



## Taxonomic Paper

# Checklist of Serengeti Ecosystem Grasses

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## Abstract

We present the first taxonomic checklist of the Poaceae species of the Serengeti, Tanzania. A review of the literature and herbarium specimens recorded 200 species of grasses, in line with similar studies in other parts of East Africa. The checklist is supported by a total of 939 herbarium collections. Full georeferenced collection data is made available alongside a summary checklist in pdf format. More than a quarter of the species are known from a single collection highlighting the need for further research, especially concerning the rare species and their distribution.

## Keywords

Tanzania, Poaceae, Ngorongoro

## Introduction

The Serengeti Ecosystem Region (abbreviated as SER) is an area of 25,000 km<sup>2</sup>, found south of the Tanzania and Kenya border between 2° and 4° S, defined by the movement of migratory wildebeest (McNaughton 1983). The Serengeti National Park (established in 1940, 14,700 km<sup>2</sup>) and the Ngorongoro Conservation Area (established in 1959, 8,300

km<sup>2</sup>) form the majority of the SER. Both are also designated by UNESCO as World Heritage Sites and Biosphere Reserves. There are a further five smaller reserves surrounding the Serengeti National Park; Maswa in the south; Grumeti, Ikoma, and Ikorongo in the east and the Loliondo Game Controlled Area in the west (World Bank 1993). Over the border in Kenya and contiguous to the Serengeti National Park is the Masai Mara National Reserve (World Bank 1993).

## Vegetation

The SER is part of White's Somalia-Masia vegetation type (White 1983). The Serengeti plains which range from 1600-1800 m are characterised by "short" and "tall" grasslands and woody savanna with rocky outcrops called "kopje" (Anderson and Talbot 1965, Lind and Morrison 1974, Herlocker 1975). The short grasslands in the east are dominated by *Sporobolus* and *Kyllinga* species whilst in the west the tall grasslands are dominated by *Pennisetum*, *Andropogon* and *Themeda* species (Lind and Morrison 1974). Intermediate grasslands of *Cynodon* and *Sporobolus* are found between the short and tall grassland areas. Seventeen different grassland communities have been characterised (McNaughton 1983) : six short grassland communities, three tall and eight medium. The distribution and growth of grass species in the Serengeti plains depends on a number of factors including soil depth and texture, salt concentration, degree of wind erodability, rainfall and grazing pressure (Anderson and Talbot 1965Lind and Morrison 1974).

The Ngorongoro Conservation Area is dominated by a volcano formed 5-7 million years ago with a large central caldera formed 1-2 million years ago (Anderson and Herlocker 1973). The crater reaches over 3350 m high but the crater floor is lower at 1737 m (Anderson and Herlocker 1973). The main vegetation types are grasslands, swamps, montane heath and woodland (Herlocker and Dirschl 1972). Similar to the Serengeti plains, the distribution of the Ngorongoro grasslands are influenced by soils, climate, grazing pressures and fire (Anderson and Herlocker 1973).

## Species

The grass flora of Tanzania is documented through the Flora of Tropical East Africa (Clayton et al. 1970, Clayton et al. 1974, Clayton and Renvoize 1982). Grassland ecology in the SER has been well studied (for example Anderson and Talbot 1965, McNaughton 1983) but these studies have focused on community structure and distribution not on species composition. There are also vegetation maps for the Serengeti woody species (Herlocker 1975) and the Ngorongoro Conservation Area (Herlocker and Dirschl 1972) but full species checklists are not included. Therefore there is a requirement for a checklist of grass species to support ecological studies on the flora and fauna of the SER.

## Materials and methods

To compile the checklist specimen data were gathered from literature and herbaria sources. Specimens from the Tanzania Serengeti Ecosystem region were databased at K,

NHT and at the Serengeti Wildlife Research Centre's herbaria in 2013 and 2014. Specimens from AAU, MO and US were downloaded from GBIF on 20<sup>th</sup> May 2014 (GBIF 2014). Specimen data was obtained from EA herbarium on 3<sup>rd</sup> September 2014 from available digitised records. All specimens were databased using BRAHMS version 7.5 (Botanical Research and Herbarium Management System) software (University of Oxford 2014). Additional specimen literature citations were added from The Flora of Tropical East Africa (Clayton et al. 1970, Clayton et al. 1974, Clayton and Renvoize 1982).

All specimens where possible were georeferenced using the FTEA gazetteer (Polhill 1988) and the Serengeti official map (Hopcraft 2013). Species names, authorities, synonymy and global distribution were checked with the World Checklist of Selected Plant Families (Clayton et al. 2014).

Data was uploaded from BRAHMS following the Darwin Core Formats. The specimen barcode was set as the catalogue number when possible or if a barcode was not available a unique code from the BRAHMS Serengeti database was used. Each herbarium specimen duplicate is listed separately in the checklist. If the record was a literature citation only the institution code was set as "?" as it was unknown at which herbaria the specimen is located. Only commonly used synonyms were compiled and cited in the nomenclature section, full synonymy is available at the World Checklist of Selected Plant Families (Clayton et al. 2014). Places of publication for each species name are available in the checklist in the supplementary file.

## Checklist of Serengeti Ecosystem Grasses

### *Agrostis kilimandscharica* Mez

#### Materials

- a. scientificName: *Agrostis kilimandscharica* Mez; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *kilimandscharica*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of north -west rim; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-12; catalogNumber: K000984276; recordNumber: 165; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Agrostis kilimandscharica* Mez; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *kilimandscharica*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: east of Oldean Mountain; minimumElevationInMeters: 2347; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984277; recordNumber: 2757; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Central Africa

## ***Agrostis producta* Pilg.**

### **Materials**

- a. scientificName: *Agrostis producta* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *producta*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1959-12-27; catalogNumber: 853; recordNumber: 14; recordedBy: Vesey-FitzGerald, LDEF; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- b. scientificName: *Agrostis producta* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *producta*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K001087079; recordNumber: P3; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Agrostis producta* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Agrostis*; specificEpithet: *producta*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: 1014; recordNumber: P3; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## ***Alloteropsis cimicina* (L.) Stapf**

### **Material**

- a. scientificName: *Alloteropsis cimicina* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Alloteropsis*; specificEpithet: *cimicina*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55-3; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087080; recordNumber: 10197; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

## ***Andropogon amethystinus* Steud.**

### **Nomenclature:**

*Andropogon pratensis* Hochst. ex Hack.

### **Materials**

- a. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.;

- continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of South rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K000984025; recordNumber: P2; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of South rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: 803; recordNumber: P2; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- c. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top ridge of the Ngorongoro crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K001087082; recordNumber: 976; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, plateau between Jaeger summit and west rim of crater.; minimumElevationInMeters: 3000; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-15; catalogNumber: K001087083; recordNumber: 96; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, plateau between Jaeger summit and west rim of crater.; minimumElevationInMeters: 3000; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-15; catalogNumber: 989; recordNumber: 96; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- f. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: West of Arusha. Empakaai crater; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-08-31; catalogNumber: 990; recordNumber: 1959; recordedBy: Terry, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- g. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, top of south rim.;

- minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K001087081; recordNumber: P7; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, top of south rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: 992; recordNumber: P7; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- i. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of South rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: 1103; recordNumber: P2; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- j. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, plateau between Jaeger summit and west rim of crater.; minimumElevationInMeters: 3000; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-15; catalogNumber: 1104; recordNumber: 96; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- k. scientificName: *Andropogon amethystinus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *amethystinus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: West of Arusha. Empakaai crater; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-08-31; catalogNumber: 1105; recordNumber: 1959; recordedBy: Terry, PJ; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Yemen, India & Myanmar

## ***Andropogon chrysostachyus* Steud.**

### **Material**

- a. scientificName: *Andropogon chrysostachyus* Steud.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *chrysostachyus*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater rim; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-05-25; catalogNumber: K000984024; recordNumber: 2746; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya & Ethiopia

### ***Andropogon distachyos* L.**

#### **Materials**

- a. scientificName: *Andropogon distachyos* L.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *distachyos*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater road, south side; minimumElevationInMeters: 1829; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-11; catalogNumber: K000984035; recordNumber: 11842; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Andropogon distachyos* L.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *distachyos*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olairadad Southern Part of Ngorongoro Crater Wall.; minimumElevationInMeters: 2012; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-02-02; catalogNumber: K000984036; recordNumber: 5977; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Europe, Arabia & Africa

### ***Andropogon greenwayi* Napper**

#### **Materials**

##### *Other materials:*

- a. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.S.W. of Naabi Hill to Lake Largaia, Serengeti; minimumElevationInMeters: 1478; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-07; catalogNumber: K000984026; recordNumber: 10148; recordedBy: Greenway, PJ; Talbots, L; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1957-06-13; catalogNumber: K000984027; recordNumber: 207; recordedBy: Robson, TO; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Central Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K000984028;



- recordNumber: 371; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000984029; recordNumber: 312; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Milanja Ngorongoro highland; decimalLatitude: -3.166667; decimalLongitude: 35.45; eventDate: 1956-05-24; catalogNumber: K000984030; recordNumber: 173; recordedBy: Robson, TO; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi Entrance, Mile 36.; minimumElevationInMeters: 1676; decimalLatitude: -2.816667; decimalLongitude: 35.2; eventDate: 1961-05-26; catalogNumber: K000984031; recordNumber: 10330; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio; minimumElevationInMeters: 1700; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1989-05-28; catalogNumber: K000984032; recordNumber: 2784; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.S.W. of Naabi Hill to Lake Largaja, Serengeti; minimumElevationInMeters: 1478; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-07; catalogNumber: 292; recordNumber: 10148; recordedBy: Greenway, PJ; Talbots, L; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- i. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: East Simiyu; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1974-05-10; catalogNumber: 293; recordNumber: 326; recordedBy: Kreulen, AR; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- j. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Central Serengeti; decimalLatitude: -2.333333;



- decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: 294; recordNumber: 371; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- k. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Largaja plain.; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1965-05-16; catalogNumber: 295; recordNumber: 4692; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- l. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 539; recordNumber: 24307; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- m. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi Entrance, Mile 36.; minimumElevationInMeters: 1676; decimalLatitude: -2.816667; decimalLongitude: 35.2; eventDate: 1961-05-26; catalogNumber: 771; recordNumber: 10330; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- n. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: 773; recordNumber: 312; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- o. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Milanja Ngorongoro highland; decimalLatitude: -3.166667; decimalLongitude: 35.45; eventDate: 1956-05-24; catalogNumber: 774; recordNumber: 173; recordedBy: Robson, TO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- p. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1957-06-13; catalogNumber: 775; recordNumber: 207; recordedBy: Robson, TO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

- q. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olkiu. Between Malanja and Olbalbal scarp.; minimumElevationInMeters: 1829; eventDate: 1962-06-30; catalogNumber: 784; recordNumber: 6108; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- r. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: South of Naabi gate.; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1981-05-29; catalogNumber: 793; recordNumber: 259; recordedBy: Belsky, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- s. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olkiu. Between Malanja and Olbalbal scarp.; minimumElevationInMeters: 1829; eventDate: 1962-06-30; catalogNumber: 802; recordNumber: 6108; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

#### Isotypes:

- a. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NW by W of Naabi Hill. locally common in the southern and south-western area of the Serengeti Plains southwards of Moru Kopjes and slightly eastwards of Naabi Hill then south to Lake Lagarja.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: K000280542; recordNumber: 10165; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NW by W of Naabi Hill. locally common in the southern and south-western area of the Serengeti Plains southwards of Moru Kopjes and slightly eastwards of Naabi Hill then south to Lake Lagarja.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: PRE0664079-0; recordNumber: 10165; recordedBy: Greenway, PJ; Turner, M; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

#### Holotype:

- a. scientificName: *Andropogon greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NW by W of Naabi Hill. locally common in the southern and south-western area of the Serengeti Plains southwards of Moru Kopjes and slightly eastwards of Naabi Hill then south to Lake Lagarja.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: EA000000509; recordNumber:

10165; recordedBy: Greenway, PJ; Turner, M; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Ethiopia, Somalia & Yemen

### ***Andropogon lima* (Hack.) Stapf**

#### **Materials**

- a. scientificName: *Andropogon lima* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *lima*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; minimumElevationInMeters: 3200; decimalLatitude: -3.266667; decimalLongitude: 35.433333; catalogNumber: K000984033; recordNumber: 89004T; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Andropogon lima* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *lima*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemagarut Mt.; minimumElevationInMeters: 2987; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1988-10-24; catalogNumber: K000984034; recordNumber: 2674; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Andropogon schirensis* Hochst.**

#### **Materials**

- a. scientificName: *Andropogon schirensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *schirensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.566667; decimalLongitude: 34.683333; eventDate: 1962-08-21; catalogNumber: K000984037; recordNumber: 10768; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Andropogon schirensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Andropogon*; specificEpithet: *schirensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Wogakuria Hill; minimumElevationInMeters: 1707; decimalLatitude: -1.65; decimalLongitude: 35; eventDate: 1964-01-30; catalogNumber: K000984038; recordNumber: 12006; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical & Southern Africa

***Apochiton burttii* C.E.Hubb****Materials**

- a. scientificName: *Apochiton burttii* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Apochiton*; specificEpithet: *burttii*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Serengeti plains; minimumElevationInMeters: 1200; decimalLatitude: -2.966667; decimalLongitude: 35.366667; eventDate: 1972-04-03; catalogNumber: DB1076; recordNumber: 7266; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Apochiton burttii* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Apochiton*; specificEpithet: *burttii*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Olduvai watercourse.; decimalLatitude: -2.966667; decimalLongitude: 35.366667; eventDate: 1965-01-05; catalogNumber: DB1077; recordNumber: 4487; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Apochiton burttii* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Apochiton*; specificEpithet: *burttii*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ololgumi; verbatimLocality: Ngorongoro Conservation Area, Ololgumi, along Kakesio river, a seasonal river.; minimumElevationInMeters: 1600; decimalLatitude: -3.333; decimalLongitude: 35.033; eventDate: 1993-06-15; catalogNumber: 540; recordNumber: 657; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania endemic

***Aristida* sp.****Material**

- a. scientificName: *Aristida*; kingdom: Plantae; family: Poaceae; genus: *Aristida*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 544; recordNumber: 24279; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

***Aristida adoensis* Hochst.****Materials**

- a. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro pasture research scheme. Olgoum nr. Endulen.;

decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1962-12-24;  
 catalogNumber: 5; recordNumber: 6449; recordedBy: Newbould, JB; institutionCode: EA;  
 collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord:

PreservedSpecimen

- b. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Ngorongoro, Longo - Olbalbal.; minimumElevationInMeters: 1417; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1962-01-30; catalogNumber: 6; recordNumber: 5925; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- c. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-01-24; catalogNumber: 7; recordNumber: R56; recordedBy: Ludanga, RI; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- d. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1905-05-11; catalogNumber: 312; recordNumber: 363; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- e. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Granite Kopje; verbatimLocality: Granite Kopje 6 Miles North of Naabi, Serengeti.; minimumElevationInMeters: 1676; decimalLatitude: -2.783333; decimalLongitude: 35.333333; eventDate: 1905-05-16; catalogNumber: 313; recordNumber: 6561; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- f. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; minimumElevationInMeters: 1600; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1905-05-18; catalogNumber: 314; recordNumber: 5599; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- g. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N.W. side of Lake Magadi; minimumElevationInMeters: 1410; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: DB1081; recordNumber: 10050; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa;

- country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: DB1083; recordNumber: 10183; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- i. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; catalogNumber: DB1084; recordNumber: 601A; recordedBy: Herlocker, D; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- j. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: South of Seronera, Serengeti plains; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1972-03-14; catalogNumber: DB1085; recordNumber: 109; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- k. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; decimalLatitude: -3.25; decimalLongitude: 35.533333; eventDate: 1959-12-27; catalogNumber: DB1087; recordNumber: 12; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: 5 km north of lobo lodge; decimalLatitude: -1.933333; decimalLongitude: 35.166667; eventDate: 1981-05-31; catalogNumber: DB1089; recordNumber: 285; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- m. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N. of Lake Magadi, 10-15m. South of Seronera. Serengeti; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1958-04-24; catalogNumber: K000805344; recordNumber: 368; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- n. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000805338; recordNumber: 10183; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- o. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; decimalLatitude: -2.45; decimalLongitude:



- 34.833333; eventDate: 1961-05-15; catalogNumber: 533; recordNumber: 10183; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- p. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Granite Kopje; verbatimLocality: Granite Kopje 6 Miles North of Naabi, Serengeti.; minimumElevationInMeters: 1676; decimalLatitude: -2.783333; decimalLongitude: 35.333333; eventDate: 1963-2; catalogNumber: 534; recordNumber: 6561; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- q. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7, 8.; minimumElevationInMeters: 3018; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: K000805339; recordNumber: 9902; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- r. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7, 8.; minimumElevationInMeters: 3018; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: 536; recordNumber: 9902; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- s. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Serengeti plain near Banagi; minimumElevationInMeters: 1597; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000805337; recordNumber: 5599; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- t. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Serengeti plain near Banagi; minimumElevationInMeters: 1597; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: 538; recordNumber: 5599; recordedBy: Leippert, H; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- u. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7, 8.; minimumElevationInMeters: 3018; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: DB1082; recordNumber: 9902; recordedBy: Greenway, PJ;



- institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC;  
basisOfRecord: PreservedSpecimen
- v. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N.W. side of Lake Magadi; minimumElevationInMeters: 1410; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: 808; recordNumber: 10050; recordedBy: Greenway, PJ; Tanner, M; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- w. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro pasture research scheme. Olgoum nr. Endulen.; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1962-12-24; catalogNumber: 809; recordNumber: 6449; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- x. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro pasture research scheme. Elgoum nr. Endulen.; minimumElevationInMeters: 1981; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1962-12-24; catalogNumber: 824; recordNumber: 6449; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- y. scientificName: *Aristida adoensis* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adoensis*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Longo - Olbalbal.; minimumElevationInMeters: 1417; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1962-01-30; catalogNumber: 825; recordNumber: 5925; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa

### ***Aristida adscensionis* L.**

#### **Materials**

- a. scientificName: *Aristida adscensionis* L.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adscensionis*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; minimumElevationInMeters: 1450; decimalLatitude: -2.966667; decimalLongitude: 35.366667; eventDate: 1987-05-01; catalogNumber: K000710861; recordNumber: 2613; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Aristida adscensionis* L.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adscensionis*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1722; decimalLatitude: -2.916667; decimalLongitude:

- 35.8; eventDate: 1989-06-01; catalogNumber: K000710860; recordNumber: 2798; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Aristida adscensionis* L.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adscensionis*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 541; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- d. scientificName: *Aristida adscensionis* L.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *adscensionis*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal depression. On the North slopes of Olmoti Where they run down to the Salei Desert.; minimumElevationInMeters: 1463; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1962-5; catalogNumber: 826; recordNumber: 6026; recordedBy: Kirika, P; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Aristida barbicollis* Trin. & Rupr.

#### Materials

- a. scientificName: *Aristida barbicollis* Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *barbicollis*; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: 1230; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1968-02-21; catalogNumber: DB1090; recordNumber: 13324; recordedBy: Greenway, PJ; Kanuri, Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Aristida barbicollis* Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *barbicollis*; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1961-05-17; catalogNumber: DB1091; recordNumber: 10303; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Aristida barbicollis* Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *barbicollis*; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1961-05-17; catalogNumber: K000805098; recordNumber: 10303; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- d. scientificName: *Aristida barbicollis* Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *barbicollis*; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1961-05-17; catalogNumber: 530; recordNumber: 10303; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

## *Aristida hordeacea* Kunth

### Materials

- a. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Mihale game transect (MGT 401); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-15; catalogNumber: DB1116; recordNumber: 1077; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Mihale game transect (MGT 401); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-15; catalogNumber: DB1117; recordNumber: 1077; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: E. of Pandayega.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: K000805174; recordNumber: 443; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: E. of Pandayega.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: 526; recordNumber: 443; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- e. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: On the South Western side of Nyamuma Range and of Nyamuma Guard post on Mbalageti river. Seronera to Kirawira guard post, mile 68.8. Grumeti River.;

- minimumElevationInMeters: 1158; eventDate: 1961-04-24; catalogNumber: K000805185; recordNumber: 10089; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: On the South Western side of Nyamuma Range and of Nyamuma Guard post on Mbalageti river. Seronera to Kirawira guard post, mile 68.8. Grumeti River.; minimumElevationInMeters: 1158; eventDate: 1961-04-24; catalogNumber: 528; recordNumber: 10089; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- g. scientificName: *Aristida hordeacea* Kunth; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *hordeacea*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: On the South Western side of Nyamuma Range and of Nyamuma Guard post on Mbalageti river. Seronera to Kirawira guard post, mile 68.8. Grumeti River.; minimumElevationInMeters: 1158; eventDate: 1961-04-24; catalogNumber: DB1118; recordNumber: 10089; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical & Southern Africa

## *Aristida kenyensis* Henrard

### Materials

- a. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: E. Serengeti.; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-20; catalogNumber: 1; recordNumber: 163; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal depression, on the North slopes of Olmoti where they run down to the Salei Desert.; minimumElevationInMeters: 1463; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1962-5; catalogNumber: 2; recordNumber: 6026; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- c. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musoma; verbatimLocality: Eastern boundary; decimalLatitude: -1.5; decimalLongitude: 34.683333; eventDate: 1961-05-25; catalogNumber: DB1096; recordNumber: 10327; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- d. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Serengeti plains, simba Kopjes North; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-20; catalogNumber: DB1097; recordNumber: 186; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-13; catalogNumber: DB1098; recordNumber: 10188; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7.8; minimumElevationInMeters: 1590; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: DB1099; recordNumber: 9091; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndutu Lodge; verbatimLocality: Near road 50 m from Ndutu lodge; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB1103; recordNumber: 68; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Rim of Olduvai Gorge, inside Leakey compound; decimalLatitude: -2.966667; decimalLongitude: 35.366667; eventDate: 1981-04-20; catalogNumber: DB1104; recordNumber: 120; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- i. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: East Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-20; catalogNumber: K000805407; recordNumber: 193; recordedBy: Oteke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Longogo- Olbalbal; minimumElevationInMeters: 1417; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-01-30; catalogNumber: 511;

- recordNumber: 5925; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- k. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-13; catalogNumber: K000805403; recordNumber: 10188; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- l. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-13; catalogNumber: 513; recordNumber: 10188; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- m. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: NW side of Lake Magadi.; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: K000805397; recordNumber: 10051; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- n. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: NW side of Lake Magadi.; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: 515; recordNumber: 10051; recordedBy: Greenway, PJ; Tanner, M; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- o. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera.; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: K000805389; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera.; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: 517; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- q. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa;



- country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 7.8.; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: K000805402; recordNumber: 9901; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- r. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 7.8.; minimumElevationInMeters: 1615; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: 519; recordNumber: 9901; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- s. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Near rest Camp.; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-23; catalogNumber: K000805405; recordNumber: 354; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- t. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Near rest Camp.; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-23; catalogNumber: 521; recordNumber: 354; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- u. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000805390; recordNumber: 326; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- v. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: mile 27 ESE of Seronera camp.; minimumElevationInMeters: 1707; decimalLatitude: -2.583333; decimalLongitude: 35.183333; eventDate: 1956-12-03; catalogNumber: 524; recordNumber: 11181; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- w. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 542; recordNumber: 24297; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;



- collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- x. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 543; recordNumber: 24316; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- y. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Banagi to Seronera river crossing, down the corridor, mile 14.5 from Seronera.; minimumElevationInMeters: 1371; decimalLatitude: -2.283333; decimalLongitude: 34.983333; eventDate: 1961-04-04; catalogNumber: DB1094; recordNumber: 9973; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- z. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: NW side of Lake Magadi.; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: DB1095; recordNumber: 10051; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- aa. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musoma; verbatimLocality: Eastern boundary; decimalLatitude: -1.5; decimalLongitude: 34.683333; eventDate: 1961-05-25; catalogNumber: 804; recordNumber: 10327; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- ab. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: 805; recordNumber: 326; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- ac. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 7.8; minimumElevationInMeters: 1590; decimalLatitude: -2.433333; decimalLongitude: 34.866667; eventDate: 1961-03-27; catalogNumber: 806; recordNumber: 9091; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

- ad. scientificName: *Aristida kenyensis* Henrard; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *kenyensis*; scientificNameAuthorship: Henrard; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: East Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-20; catalogNumber: 807; recordNumber: 193; recordedBy: Oteke, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa

### ***Aristida mutabilis* Trin. & Rupr.**

#### **Materials**

- a. scientificName: *Aristida mutabilis* Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *mutabilis*; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: Footsteps of Ol Doinyo Lengai; minimumElevationInMeters: 945; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-11; catalogNumber: K000805171; recordNumber: 11349; recordedBy: Greenway, PJ; Hunter; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Aristida mutabilis* Trin. & Rupr.; kingdom: Plantae; family: Poaceae; genus: *Aristida*; specificEpithet: *mutabilis*; scientificNameAuthorship: Trin. & Rupr.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: Footsteps of Ol Doinyo Lengai; minimumElevationInMeters: 945; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-11; catalogNumber: 855; recordNumber: 11349; recordedBy: Greenway, PJ; Hunter; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

### ***Bothriochloa bladhii* (Retz.) S.T.Blake**

#### **Nomenclature:**

*Bothriochloa bladhii* (Retz.) S.T.Blake var. *bladhii*

#### **Materials**

- a. scientificName: *Bothriochloa bladhii* (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *bladhii*; scientificNameAuthorship: (Retz.) S.T.Blake; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti River; verbatimLocality: W. of Musabi; minimumElevationInMeters: 1341; decimalLatitude: -1.9; decimalLongitude: 34.95; eventDate: 1968-02-10; catalogNumber: K000984062; recordNumber: 13167; recordedBy: Greenway, PJ; Kanuri; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Bothriochloa bladhii* (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *bladhii*; scientificNameAuthorship: (Retz.) S.T.Blake;

continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti River; verbatimLocality: W. of Musabi; minimumElevationInMeters: 1341; decimalLatitude: -1.9; decimalLongitude: 34.95; eventDate: 1968-02-10; catalogNumber: DB1140; recordNumber: 13167; recordedBy: Greenway, PJ; Kanuri, Braun, H; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- c. scientificName: *Bothriochloa bladhii* (Retz.) S.T.Blake; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *bladhii*; scientificNameAuthorship: (Retz.) S.T.Blake; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti River; verbatimLocality: W. of Musabi; minimumElevationInMeters: 1341; decimalLatitude: -1.9; decimalLongitude: 34.95; eventDate: 1968-02-10; catalogNumber: DB1141; recordNumber: 13167; recordedBy: Greenway, PJ; Kanuri, Braun, H; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus**

#### **Materials**

- a. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: near Rest Camp; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-23; catalogNumber: K000984057; recordNumber: 355; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K000984058; recordNumber: 365; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N.W. of Lake Magadi; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: K000984059; recordNumber: 10048; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1143;

- recordNumber: 173; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1144; recordNumber: 194; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1993-04-20; catalogNumber: 545; recordNumber: 373; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1993-04-20; catalogNumber: 546; recordNumber: 375; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- h. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 547; recordNumber: 24274; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- i. scientificName: *Bothriochloa insculpta* (Hochst. ex A.Rich.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *insculpta*; scientificNameAuthorship: (Hochst. ex A.Rich.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N.W. of Lake Magadi; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: DB1142; recordNumber: 10048; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Southern Africa, Arabia & Asia

***Bothriochloa pertusa* (L.) A.Camus****Materials**

- a. scientificName: *Bothriochloa pertusa* (L.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *pertusa*; scientificNameAuthorship: (L.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes(North) Serengeti Plain; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-04-10; catalogNumber: DB1150; recordNumber: 273; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Bothriochloa pertusa* (L.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *pertusa*; scientificNameAuthorship: (L.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: South of Seronera, Serengeti plain; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1972-03-14; catalogNumber: DB1151; recordNumber: 102; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Bothriochloa pertusa* (L.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *pertusa*; scientificNameAuthorship: (L.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-12; catalogNumber: DB1152; recordNumber: 439; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Asia & Pacific, not previously recorded for East Africa

***Bothriochloa radicans* (Lehm.) A.Camus****Materials**

- a. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1961-06-14; catalogNumber: K000984060; recordNumber: 10378; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984061; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes Serengeti Plain;

- decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11; catalogNumber: DB1155; recordNumber: 39; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: DB1156; recordNumber: 2; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1961-06-14; catalogNumber: 810; recordNumber: 10378; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- f. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: 811; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- g. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: DB1153; recordNumber: 9838; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: 813; recordNumber: 2; recordedBy: Belsky, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- i. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1961-06-14; catalogNumber: DB115; recordNumber: 10378; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen



- j. scientificName: *Bothriochloa radicans* (Lehm.) A.Camus; kingdom: Plantae; family: Poaceae; genus: *Bothriochloa*; specificEpithet: *radicans*; scientificNameAuthorship: (Lehm.) A.Camus; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera plain; verbatimLocality: Serengeti National Park, T1; minimumElevationInMeters: 1524; decimalLatitude: -2.833333; decimalLongitude: 35; eventDate: 1972-01-14; catalogNumber: 993; recordNumber: CAWM5549; recordedBy: Mbano, BNN; William; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa, Arabia,

### ***Brachiaria* sp.**

#### **Materials**

- a. scientificName: *Brachiaria*; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 550; recordNumber: 1100; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria*; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 551; recordNumber: 1101; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

### ***Brachiaria ambigens* Chiov.**

#### **Materials**

- a. scientificName: *Brachiaria ambigens* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *ambigens*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-12-10; catalogNumber: K000984127; recordNumber: 6361; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria ambigens* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *ambigens*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-12-10; catalogNumber: 772; recordNumber: 6361; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya & Ethiopia



## ***Brachiaria arrecta* (T.Durand & Schinz) Stent**

### **Materials**

- a. scientificName: *Brachiaria arrecta* (T.Durand & Schinz) Stent; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *arrecta*; scientificNameAuthorship: (T.Durand & Schinz) Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 548; recordNumber: 24275; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria arrecta* (T.Durand & Schinz) Stent; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *arrecta*; scientificNameAuthorship: (T.Durand & Schinz) Stent; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-01-14; catalogNumber: K001087089; recordNumber: CAWM5525; recordedBy: Mbano, BNN; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

## ***Brachiaria bovonei* (Chiov.) Robyns**

### **Material**

- a. scientificName: *Brachiaria bovonei* (Chiov.) Robyns; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *bovonei*; scientificNameAuthorship: (Chiov.) Robyns; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora Air Strip; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1962-12-29; catalogNumber: K000984131; recordNumber: 10915; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

## ***Brachiaria brizantha* (A.Rich.) Stapf**

### **Materials**

- a. scientificName: *Brachiaria brizantha* (A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *brizantha*; scientificNameAuthorship: (A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-17; catalogNumber: K000984128; recordNumber: 10749; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria brizantha* (A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *brizantha*; scientificNameAuthorship: (A.Rich.) Stapf;

continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-17; catalogNumber: DB1169; recordNumber: 10749; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- c. scientificName: *Brachiaria brizantha* (A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *brizantha*; scientificNameAuthorship: (A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-21; catalogNumber: DB1170; recordNumber: 690; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical & Southern Africa, introduced elsewhere in the tropics

### ***Brachiaria dictyoneura* (Fig. & De Not.) Stapf**

#### **Nomenclature:**

*Urochloa dictyoneura* (Fig. & De Not.) Veldkamp

#### **Materials**

- a. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: 5km north of Lobo Lodge; decimalLatitude: -1.933333; decimalLongitude: 35.166667; eventDate: 1981-05-31; catalogNumber: DB1185; recordNumber: 281; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Eastern boundary of the Park; minimumElevationInMeters: 1650; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-05-25; catalogNumber: DB1186; recordNumber: 10669; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-11; catalogNumber: DB1189; recordNumber: 328; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Brachiaria dictyoneura* (Fig. & De Not.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuji Mare camp; verbatimLocality: Serengeti National Park, near

- Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 549; recordNumber: 24284; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- e. scientificName: *Urochloa dictyoneura* (Fig. & De Not.) Veldkamp; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Veldkamp; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.566667; decimalLongitude: 34.683333; eventDate: 1962-08-21; catalogNumber: K000984129; recordNumber: 10771; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Urochloa dictyoneura* (Fig. & De Not.) Veldkamp; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Veldkamp; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Bolgonja river, Mile 30; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-29; catalogNumber: K000984130; recordNumber: 10115; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Urochloa dictyoneura* (Fig. & De Not.) Veldkamp; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Veldkamp; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.566667; decimalLongitude: 34.683333; eventDate: 1962-08-21; catalogNumber: DB1188; recordNumber: 10771; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Urochloa dictyoneura* (Fig. & De Not.) Veldkamp; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *dictyoneura*; scientificNameAuthorship: (Fig. & De Not.) Veldkamp; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Bolgonja river, Mile 30; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-29; catalogNumber: DB1187; recordNumber: 10115; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa, introduced elsewhere

### ***Brachiaria eruciformis* (Sm.) Griseb.**

#### **Materials**

- a. scientificName: *Brachiaria eruciformis* (Sm.) Griseb.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *eruciformis*; scientificNameAuthorship: (Sm.) Griseb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-27; catalogNumber: K000984124; recordNumber: 10334; recordedBy: Greenway, PJ;

- institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria eruciformis* (Sm.) Griseb.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *eruciformis*; scientificNameAuthorship: (Sm.) Griseb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: near Kakesio; minimumElevationInMeters: 1600; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-29; catalogNumber: K000984125; recordNumber: 2587; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Brachiaria eruciformis* (Sm.) Griseb.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *eruciformis*; scientificNameAuthorship: (Sm.) Griseb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: DB1177; recordNumber: 9858; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Brachiaria eruciformis* (Sm.) Griseb.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *eruciformis*; scientificNameAuthorship: (Sm.) Griseb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-27; catalogNumber: DB1179; recordNumber: 10334; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Brachiaria eruciformis* (Sm.) Griseb.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *eruciformis*; scientificNameAuthorship: (Sm.) Griseb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera, Serengeti plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1178; recordNumber: 212; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread in Europe, Arabia, Africa & Asia

### ***Brachiaria leersioides* (Hochst.) Stapf**

#### **Materials**

- a. scientificName: *Brachiaria leersioides* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *leersioides*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1198; recordNumber: 146; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- b. scientificName: *Brachiaria leersioides* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *leersioides*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; verbatimLocality: Engaruka basin; minimumElevationInMeters: 870; decimalLatitude: -2.983333; decimalLongitude: 35.95; eventDate: 1970-02-20; catalogNumber: DB1201; recordNumber: 6577; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

### *Brachiaria rugulosa* Stapf

#### Materials

- a. scientificName: *Brachiaria rugulosa* Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *rugulosa*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simiyu; verbatimLocality: East Simiyu; decimalLatitude: -2.916667; decimalLongitude: 34.8; eventDate: 1974-05-10; catalogNumber: DB1194; recordNumber: 325; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria rugulosa* Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *rugulosa*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Between Moru Kopjes and Naabi Hill Tracks, Central Plains, Serengeti; minimumElevationInMeters: 1425; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1962-05-18; catalogNumber: DB1195; recordNumber: 10645; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Zambia & Zimbabwe

### *Brachiaria scalaris* (Mez.) Pilg.

#### Material

- a. scientificName: *Brachiaria scalaris* (Mez.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *scalaris*; scientificNameAuthorship: (Mez.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olairadad, South side of Ngorongoro crater Rim; decimalLatitude: -3; decimalLongitude: 35.833333; eventDate: 1962-02-02; catalogNumber: 827; recordNumber: 5952; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

***Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf****Materials**

- a. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; minimumElevationInMeters: 1570; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1968-02-13; catalogNumber: K000984122; recordNumber: 13179; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: north east of Oldean Mtn.; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984123; recordNumber: 2753; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National park, Naabi gate; decimalLatitude: -2.333333; decimalLongitude: 34.833333; catalogNumber: DB1206; recordNumber: 6591; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes Serengeti Plain; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11; catalogNumber: DB1208; recordNumber: 15; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Downeys Dam; verbatimLocality: 1500 m South of Downeys Dam, west of road to Nzaki.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1968-02-23; catalogNumber: DB1209; recordNumber: 249; recordedBy: Braun, HMH; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: South of Seronera Serengeti Plain; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1972-03-13; catalogNumber: DB1210; recordNumber: 87; recordedBy:

- Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; decimalLatitude: -3; decimalLongitude: 35.833333; eventDate: 1961-04-30; catalogNumber: 828; recordNumber: 5856; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- h. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot. 36M, 0386088, 9763754 UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1138; recordNumber: 855; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- i. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Near Robanda Hill, 36M, 689097, 9763522 UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-29; catalogNumber: 1139; recordNumber: 885; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- j. scientificName: *Brachiaria semiundulata* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *semiundulata*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; minimumElevationInMeters: 1570; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1968-02-13; catalogNumber: DB1203; recordNumber: 13179; recordedBy: Greenway, PJ; Kanuri; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Asia

## ***Brachiaria serrifolia* (Hochst.) Stapf**

### **Materials**

- a. scientificName: *Brachiaria serrifolia* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *serrifolia*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olongogo; verbatimLocality: Olongogo; minimumElevationInMeters: 1371; decimalLatitude: -3; decimalLongitude: 35.333333; eventDate: 1962-12-14; catalogNumber: K000984126; recordNumber: 6380; recordedBy: Newbould, JB;



institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Brachiaria serrifolia* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *serrifolia*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olongogo; verbatimLocality: Olongogo; minimumElevationInMeters: 1371; decimalLatitude: -3; decimalLongitude: 35.333333; eventDate: 1962-12-14; catalogNumber: 820; recordNumber: 6380; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Brachiaria subulifolia* (Mez) Clayton**

#### **Material**

- a. scientificName: *Brachiaria subulifolia* (Mez) Clayton; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *subulifolia*; scientificNameAuthorship: (Mez) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-18; catalogNumber: DB1219; recordNumber: 578; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

### ***Brachiaria xantholeuca* (Hack.) Stapf**

#### **Materials**

- a. scientificName: *Brachiaria xantholeuca* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *xantholeuca*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI tennis court; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1221; recordNumber: 186; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Brachiaria xantholeuca* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *xantholeuca*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: 2.5 km south of Downey's dam near Seronera.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.816667; eventDate: 1968-02-23; catalogNumber: DB1222; recordNumber: 250; recordedBy: Braun, HMH; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Brachiaria xantholeuca* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Brachiaria*; specificEpithet: *xantholeuca*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: 2.5 km south of Downey's dam near Seronera.;

minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.816667; eventDate: 1968-02-23; catalogNumber: 350; recordNumber: 250; recordedBy: Braun, HMH; institutionCode: WAG; collectionCode: Herbarium; ownerInstitutionCode: WAG; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Brachypodium flexum* Nees**

#### **Material**

- a. scientificName: *Brachypodium flexum* Nees; kingdom: Plantae; family: Poaceae; genus: *Brachypodium*; specificEpithet: *flexum*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater, outer southern slope,; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-01-24; catalogNumber: DB1241; recordNumber: 504; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Bromus leptoclados* Nees**

#### **Materials**

- a. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo forest; verbatimLocality: Ngorongoro Conservation Area, Oloronyo Forest.; minimumElevationInMeters: 2650; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 552; recordNumber: 768; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: S.E. slope of crater.; minimumElevationInMeters: 1829; maximumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087088; recordNumber: 3363; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Munge gorge; minimumElevationInMeters: 2530; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1932-09-16; catalogNumber: K001087084; recordNumber: 4362; recordedBy: Burt, BD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- d. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: rim; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1956-12-07; catalogNumber: K001087085; recordNumber: 9131; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 1371; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1933-07-08; catalogNumber: K001087086; recordNumber: 283; recordedBy: Staples, RR; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Bromus leptoclados* Nees; kingdom: Plantae; family: Poaceae; genus: *Bromus*; specificEpithet: *leptoclados*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area, Empakai, top of south rim elevation.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-27; catalogNumber: K001087087; recordNumber: P58; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

### *Calamagrostis epigejos* (L.) Roth

#### Materials

- a. scientificName: *Calamagrostis epigejos* (L.) Roth; kingdom: Plantae; family: Poaceae; genus: *Calamagrostis*; specificEpithet: *epigejos*; scientificNameAuthorship: (L.) Roth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater top of North - west rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-12; catalogNumber: DB1258; recordNumber: 167; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Calamagrostis epigejos* (L.) Roth; kingdom: Plantae; family: Poaceae; genus: *Calamagrostis*; specificEpithet: *epigejos*; scientificNameAuthorship: (L.) Roth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater top of North - west rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-12; catalogNumber: 353; recordNumber: 167; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

## *Cenchrus abyssinicus* (Hack.) Morrone

### Nomenclature:

*Odontelytrum abyssinicum* Hack.

### Materials

- a. scientificName: *Odontelytrum abyssinicum* Hack.; kingdom: Plantae; family: Poaceae; genus: *Odontelytrum*; specificEpithet: *abyssinicum*; scientificNameAuthorship: Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-07; catalogNumber: 936; recordNumber: 118; recordedBy: Goddard, J; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- b. scientificName: *Odontelytrum abyssinicum* Hack.; kingdom: Plantae; family: Poaceae; genus: *Odontelytrum*; specificEpithet: *abyssinicum*; scientificNameAuthorship: Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olgoro Njuki, Ngorongoro crater floor.; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-25; catalogNumber: K001087115; recordNumber: 12617; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Odontelytrum abyssinicum* Hack.; kingdom: Plantae; family: Poaceae; genus: *Odontelytrum*; specificEpithet: *abyssinicum*; scientificNameAuthorship: Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olgoro Njuki, Ngorongoro crater floor.; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-25; catalogNumber: K001087116; recordNumber: 12617; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

## *Cenchrus ciliaris* L.

### Materials

- a. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Near Banagi.; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1971-01-08; catalogNumber: 300; recordNumber: 2143B; recordedBy: Brown, ES; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Near S.R.I.; minimumElevationInMeters: 1600; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1973-10-18; catalogNumber: 302;

- recordNumber: 73/46; recordedBy: Bonnefille, R; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-28; catalogNumber: 303; recordNumber: 398; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- d. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Lake Lagarja.; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: 304; recordNumber: 4464; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute Compound.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: DB1263; recordNumber: 1; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Inside Leakey compound, Olduvai Gorge; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1981-04-16; catalogNumber: DB1264; recordNumber: 116; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ntudu Lodge; verbatimLocality: Near road 50 m from Ndutu lodge.; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB1265; recordNumber: 69; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute Compound.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1266; recordNumber: 165; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- i. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Lake Lagarja.; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: DB1269; recordNumber: 4464; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- j. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti.; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: DB1270; recordNumber: 9856; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- k. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera to Banagi, Mile 3.8.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: DB1271; recordNumber: 9955; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: T1 Serengeti national Park Simba Kopje; minimumElevationInMeters: 1700; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1970-12-08; catalogNumber: DB1272; recordNumber: 5454; recordedBy: Harris, BJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- m. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: Gol Kopjes.; decimalLatitude: -2.833333; decimalLongitude: 35; eventDate: 1972-03-30; catalogNumber: DB1273; recordNumber: 250; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- n. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-12; catalogNumber: DB1274; recordNumber: 416; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- o. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park.; minimumElevationInMeters: 1466; decimalLatitude: -2.36; decimalLongitude: 34.5; eventDate: 2004-03-06; catalogNumber: 553; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- p. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 554; recordNumber: 24281; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;



- collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- q. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti.; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.8333333; eventDate: 1961-03-20; catalogNumber: 761; recordNumber: 9856; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- r. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera to Banagi, Mile 3.8.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.8333333; eventDate: 1961-04-03; catalogNumber: K000748227; recordNumber: 9955; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- s. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti.; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.8333333; eventDate: 1961-03-20; catalogNumber: K000748224; recordNumber: 9856; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- t. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera to Banagi, Mile 3.8.; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.8333333; eventDate: 1961-04-03; catalogNumber: 818; recordNumber: 9955; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- u. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Mt; verbatimLocality: Embagai Mt; West Arusha; minimumElevationInMeters: 1981; decimalLatitude: -2.9333333; decimalLongitude: 35.8166667; eventDate: 1932-02-06; catalogNumber: K000748168; recordNumber: 344; recordedBy: Thompson, IH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- v. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro Conservation Area: Olduvai. shifting sands 5-6km NW of confluence of Main and side Gorges; minimumElevationInMeters: 1580; decimalLatitude: -2.95; decimalLongitude: 35.1666667; eventDate: 1977-09-27; catalogNumber: K000748194; recordNumber: 19306; recordedBy: Leakey, MD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- w. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: 1341; decimalLatitude: -2.3333333; decimalLongitude:

- 34.833333; eventDate: 1958-04-21; catalogNumber: K000748218; recordNumber: 336; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- x. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: 1341; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-21; catalogNumber: 850; recordNumber: 336; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- y. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal escarpment; minimumElevationInMeters: 1524; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1961-03-18; catalogNumber: 994; recordNumber: 5725; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- z. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal escarpment; minimumElevationInMeters: 1524; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1961-03-18; catalogNumber: 995; recordNumber: 5725; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- aa. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1417; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1962-01-30; catalogNumber: 996; recordNumber: 5931; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- ab. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1417; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1962-01-30; catalogNumber: 997; recordNumber: 5931; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- ac. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera camp; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1959-12-22; catalogNumber: 998; recordNumber: 12; recordedBy: Jacob, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- ad. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1554; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1966-02-16; catalogNumber: 999; recordNumber: 253; recordedBy: Goddard,

- J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- ae. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Near Robanda Hill, 36M, 689097, 9763522 UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-29; catalogNumber: 1145; recordNumber: 883; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- af. scientificName: *Cenchrus ciliaris* L.; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *ciliaris*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Loliondo; verbatimLocality: Ngorongoro conservation area, past Loliondo township, northward along the road to Tanzania- Kenya border; minimumElevationInMeters: 2080; decimalLatitude: -2.05; decimalLongitude: 35.616667; eventDate: 1992-02-18; catalogNumber: 1146; recordNumber: 1111; recordedBy: Macha; Leliyo, G; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

## *Chloris* sp.

### Materials

- a. scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 573; recordNumber: 24262; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 574; recordNumber: 24286; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 575; recordNumber: 24296; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

- d. scientificName: *Chloris*; kingdom: Plantae; family: Poaceae; genus: *Chloris*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 576; recordNumber: 24305; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

## *Chloris gayana* Kunth

### Materials

- a. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000984200; recordNumber: 317; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984201; recordNumber: 34; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: the 3rd . crossing from Seronera on the Banagi road.; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: K000984202; recordNumber: 9969; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Serengeti plains; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1956-07-04; catalogNumber: K000984203; recordNumber: 681; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Old Boma; minimumElevationInMeters: 2134; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1971-11; catalogNumber: K000984204; recordNumber: 5650; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- f. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K000984205; recordNumber: 6302; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute compound.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1275; recordNumber: 164; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Lake Lagarja.; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1964-12-15; catalogNumber: DB1277; recordNumber: 4462; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- i. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Ngorongoro; minimumElevationInMeters: 2100; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1960-02-11; catalogNumber: DB1278; recordNumber: 130; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- j. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-19; catalogNumber: DB1281; recordNumber: 656; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- k. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-18; catalogNumber: DB1282; recordNumber: 575; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, outer northern slope.; minimumElevationInMeters: 2000; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: DB1283; recordNumber: 531; recordedBy: Frame, GW; institutionCode:

- SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- m. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 557; recordNumber: 372; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- n. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 558; recordNumber: 376; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- o. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndeyan 4 km North-west of Endulen.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-07-16; catalogNumber: 559; recordNumber: 703; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- p. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, ca. 12 km Northwest of Endulen Village; minimumElevationInMeters: 1700; decimalLatitude: -3.166; decimalLongitude: 35.2; eventDate: 1993-07-19; catalogNumber: 560; recordNumber: 714; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- q. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo forest; verbatimLocality: Ngorongoro Conservation Area, Oloronyo Forest.; minimumElevationInMeters: 2650; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 561; recordNumber: 766; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- r. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nasiporiong; verbatimLocality: Ngorongoro Conservation Area, Nasiporiong.; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 562; recordNumber: 819; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- s. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country:



- Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Masek; verbatimLocality: Ngorongoro Conservation Area, Masek Southwest of Lake Magadi; minimumElevationInMeters: 1600; decimalLatitude: -3.033; decimalLongitude: 35.05; eventDate: 1993-09-21; catalogNumber: 563; recordNumber: 923; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- t. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 564; recordNumber: 942; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- u. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 565; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- v. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Central Plains; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1286; decimalLatitude: -2.27; decimalLongitude: 34.5; eventDate: 2004-03-09; catalogNumber: 566; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- w. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli road 3000m from the junction at the footprints site.; minimumElevationInMeters: 1646; decimalLatitude: -3.271389; decimalLongitude: 35.173889; eventDate: 2008-04-09; catalogNumber: 1117; recordNumber: 1186; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- x. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli road 3000m from the junction at the footprints site.; minimumElevationInMeters: 1646; decimalLatitude: -3.271389; decimalLongitude: 35.173889; eventDate: 2008-04-09; catalogNumber: 1118; recordNumber: 1186; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NCAA; collectionCode: Herbarium; ownerInstitutionCode: NCAA; basisOfRecord: PreservedSpecimen
- y. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country:

- Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Along the road to TAWIRI research centre. 36 M, 0360699, 9732458 UTM.; minimumElevationInMeters: 1519; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-02-02; catalogNumber: 1119; recordNumber: 935; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- z. scientificName: *Chloris gayana* Kunth; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *gayana*; scientificNameAuthorship: Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro conservation area; minimumElevationInMeters: 1700; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1992-02-16; catalogNumber: 1120; recordNumber: 1048; recordedBy: Macha; Leliyo, G; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread, native to Tropical Africa

### *Chloris pycnothrix* Trin.

#### Materials

- a. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000984196; recordNumber: 303; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Serengeti; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000984197; recordNumber: 329; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti, Endarbark; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: K000984198; recordNumber: 440; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K000984199; recordNumber: 9874; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- e. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndotu Lodge; verbatimLocality: 5 km west of Ndotu Lodge; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB1287; recordNumber: 50; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI Tennis Court.; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1289; recordNumber: 192; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 567; recordNumber: 366; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- h. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 568; recordNumber: 706; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- i. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nasiporiong; verbatimLocality: Ngorongoro Conservation Area, Nasiporiong'; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 569; recordNumber: 814; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- j. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Ngorongoro Conservation Area, Olbalbal.; minimumElevationInMeters: 1300; decimalLatitude: -3.05; decimalLongitude: 35.4; eventDate: 1993-09-10; catalogNumber: 570; recordNumber: 882; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- k. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45;

- decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: DB1284; recordNumber: 9874; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Chloris pycnothrix* Trin.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *pycnothrix*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: DB1288; recordNumber: 9874; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Chloris virgata* Sw.

#### Materials

- a. scientificName: *Chloris virgata* Sw.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *virgata*; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984206; recordNumber: 9863; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chloris virgata* Sw.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *virgata*; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI tennis court; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB1296; recordNumber: 204; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Chloris virgata* Sw.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *virgata*; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-07; catalogNumber: 572; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- d. scientificName: *Chloris virgata* Sw.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *virgata*; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: DB1297; recordNumber: 9863; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Chrysochloa orientalis* (C.E.Hubb) Swallen****Materials**

- a. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1 Serengeti National Park Mihale game Transect (MGT 202); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-14; catalogNumber: DB1300; recordNumber: 2004; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1 Serengeti National Park Mihale game Transect (MGT 202); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-14; catalogNumber: 380; recordNumber: 2004; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: DSM; collectionCode: Herbarium; ownerInstitutionCode: DSM; basisOfRecord: PreservedSpecimen
- c. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1 Serengeti National Park Mihale game Transect (MGT 202); decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-14; catalogNumber: DB1301; recordNumber: 2004; recordedBy: Suleiman, HO; Lyaruu, HVM; Lyamuya, N; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI Airfield; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1981-05-15; catalogNumber: DB1302; recordNumber: 219; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumeti Plains; verbatimLocality: Grumetii plains.; minimumElevationInMeters: 1200; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1965-04-26; catalogNumber: DB1303; recordNumber: 4655; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera.;

- decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1304; recordNumber: 216; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-21; catalogNumber: DB1306; recordNumber: 216; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K001087090; recordNumber: 9873; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Chrysochloa orientalis* (C.E.Hubb) Swallen; kingdom: Plantae; family: Poaceae; genus: *Chrysochloa*; specificEpithet: *orientalis*; scientificNameAuthorship: (C.E.Hubb) Swallen; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Endarbark; verbatimLocality: Serengeti area.; eventDate: 1958-05-09; catalogNumber: K001087091; recordNumber: 438; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Uganda & Democratic Republic of Congo

### ***Chrysopogon plumulosus* Hochst.**

#### **Nomenclature:**

*Chrysopogon aucheri* (Boiss.) Stapf var. *quinqueplumis* (A.Rich) Stapf

#### **Materials**

- a. scientificName: *Chrysopogon plumulosus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Chrysopogon*; specificEpithet: *plumulosus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Serengeti; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1968-3; catalogNumber: K000984066; recordNumber: EAH12695; recordedBy: Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chrysopogon plumulosus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Chrysopogon*; specificEpithet: *plumulosus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta; verbatimLocality: East Serengeti; minimumElevationInMeters: 1722; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-11-26; catalogNumber: K001087095; recordNumber: 251; recordedBy: Oteke, J; institutionCode:



K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Chrysopogon plumulosus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Chrysopogon*; specificEpithet: *plumulosus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; verbatimLocality: Olgarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K001087096; recordNumber: 6396; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Ctenium somalense* (Chiov.) Chiov.**

#### **Nomenclature:**

*Ctenium concinnum* Nees var. *minus* Pilg.

#### **Material**

- a. scientificName: *Ctenium concinnum* Nees var. *minus* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Ctenium*; specificEpithet: *concinnum*; infraspecificEpithet: *minus*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1962-08-21; catalogNumber: K001087094; recordNumber: 10767; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Cymbopogon* sp.**

#### **Material**

- a. scientificName: *Cymbopogon*; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Serengeti National Park, along the road to Nabaka gate. 36M, 0668594, 9748618 UTM.; minimumElevationInMeters: 1305; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-02-01; catalogNumber: 1148; recordNumber: 917; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

## *Cymbopogon caesius* (Hook. & Arn.) Stapf

### Nomenclature:

*Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy

### Materials

- a. scientificName: *Cymbopogon caesius* (Hook. & Arn.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *caesius*; scientificNameAuthorship: (Hook. & Arn.) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: N.W. and W. of Lake Magadi; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: K000984046; recordNumber: 10046; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cymbopogon caesius* (Hook. & Arn.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *caesius*; scientificNameAuthorship: (Hook. & Arn.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engitati Hill; verbatimLocality: W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1707; decimalLatitude: -3.133333; decimalLongitude: 35.55; eventDate: 1966-07-24; catalogNumber: K000984047; recordNumber: 12607; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cymbopogon caesius* (Hook. & Arn.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *caesius*; scientificNameAuthorship: (Hook. & Arn.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000984049; recordNumber: 10186; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *excavatus*; scientificNameAuthorship: (Hochst.) Stapf ex Burtt Davy; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: mile 46.6 from Bologonja river via Kleins Camp; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000984048; recordNumber: 10129; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *excavatus*; scientificNameAuthorship: (Hochst.) Stapf ex Burtt Davy; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984050; recordNumber: 39; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

***Cymbopogon pospischilii* (K.Schum.) C.E.Hubb****Materials**

- a. scientificName: *Cymbopogon pospischilii* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *pospischilii*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Simiyu river; verbatimLocality: S. boundary, Mile 10.2 west; minimumElevationInMeters: 1463; decimalLatitude: -2.916667; decimalLongitude: 34.8; eventDate: 1961-06-18; catalogNumber: K000984051; recordNumber: 10380; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cymbopogon pospischilii* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Cymbopogon*; specificEpithet: *pospischilii*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: E. plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1973-02-07; catalogNumber: K000984052; recordNumber: 2; recordedBy: Herlocker, D; Hoeck, H; Kreulen, AR; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

***Cynodon* sp.****Materials**

- a. scientificName: *Cynodon*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, ca. 12 km Northwest of Endulen Village; minimumElevationInMeters: 1700; decimalLatitude: -3.116; decimalLongitude: 35.2; eventDate: 1993-04-27; catalogNumber: 581; recordNumber: 452; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cynodon*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 582; recordNumber: 24259; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cynodon*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 583; recordNumber: 24268; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

- d. scientificName: *Cynodon*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 584; recordNumber: 24270; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cynodon*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 585; recordNumber: 24318; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- f. scientificName: *Cynodon*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Gorgor swamp; minimumElevationInMeters: 1707; decimalLatitude: -3.16667; decimalLongitude: 35.583333; eventDate: 1994-11-20; catalogNumber: 1114; recordNumber: 5656; recordedBy: Chuwa, S; Amiyo, T; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

## *Cynodon aethiopicus* Clayton & Harlan

### Materials

- a. scientificName: *Cynodon aethiopicus* Clayton & Harlan; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *aethiopicus*; scientificNameAuthorship: Clayton & Harlan; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, 15 km Northwest of Endulen village.; minimumElevationInMeters: 1700; decimalLatitude: -3.116; decimalLongitude: 35.2; eventDate: 1993-04-27; catalogNumber: 578; recordNumber: 446; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cynodon aethiopicus* Clayton & Harlan; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *aethiopicus*; scientificNameAuthorship: Clayton & Harlan; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 579; recordNumber: 708; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

***Cynodon dactylon* (L.) Pers.****Materials**

- a. scientificName: *Cynodon dactylon* (L.) Pers.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *dactylon*; scientificNameAuthorship: (L.) Pers.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Salei Plain; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-26; catalogNumber: K000984212; recordNumber: 383; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cynodon dactylon* (L.) Pers.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *dactylon*; scientificNameAuthorship: (L.) Pers.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000984213; recordNumber: 321; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cynodon dactylon* (L.) Pers.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *dactylon*; scientificNameAuthorship: (L.) Pers.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1707; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11; catalogNumber: K000984225; recordNumber: 6315; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Cynodon nlemfuensis* Vanderyst****Materials**

- a. scientificName: *Cynodon nlemfuensis* Vanderyst; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater, South Rim, outer slopes, road to Karatu, 5 km before junction to Lemala; minimumElevationInMeters: 2350; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1977-09-20; catalogNumber: K000984223; recordNumber: 19178; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cynodon nlemfuensis* Vanderyst; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: shifting sands 5-6 km NW of confluence of Main and Side Gorges; minimumElevationInMeters: 1580; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-27; catalogNumber: K000984224; recordNumber: 19305; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, introduced elsewhere

*Cynodon nlemfuensis* var. *nlemfuensis*

## Materials

- a. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K000984216; recordNumber: 2791; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; minimumElevationInMeters: 1679; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1989-10-19; catalogNumber: K000984217; recordNumber: 2867; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984218; recordNumber: 9859; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: North of Engare Nanyuki, North Serengeti; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1958-04-23; catalogNumber: K000984219; recordNumber: 360; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor; minimumElevationInMeters: 1520; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1972-12-12; catalogNumber: K000984220; recordNumber: 80; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-15; catalogNumber: K000984221;



- recordNumber: 95; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Cynodon nlemfuensis* Vanderyst var. *nlemfuensis*; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *nlemfuensis*; scientificNameAuthorship: Vanderyst; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: South of Lemuta hill; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1958-04-22; catalogNumber: K000984222; recordNumber: 350; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, introduced elsewhere

### ***Cynodon nlemfuensis* var. *robustus* Clayton & J.R.Harlan**

#### **Material**

- a. scientificName: *Cynodon nlemfuensis* Vanderyst var. *robustus* Clayton & J.R.Harlan; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *nlemfuensis*; infraspecificEpithet: *robustus*; scientificNameAuthorship: Clayton & J.R.Harlan; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000984215; recordNumber: 300; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Cynodon plectostachyus* (K.Schum.) Pilg.**

#### **Materials**

- a. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K000984210; recordNumber: 2790; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera lodge, Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-16; catalogNumber: K000984211; recordNumber: 10190; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county:

- Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984214; recordNumber: 9855; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 580; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: North of; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1958-04-29; catalogNumber: K001087092; recordNumber: 410; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Cynodon plectostachyus* (K.Schum.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Cynodon*; specificEpithet: *plectostachyus*; scientificNameAuthorship: (K.Schum.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; decimalLatitude: -2.983333; decimalLongitude: 35.616667; eventDate: 1966-02-24; catalogNumber: K001087093; recordNumber: 6356; recordedBy: Leippert; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa, introduced elsewhere

## ***Dactyloctenium* sp.**

### **Material**

- a. scientificName: *Dactyloctenium*; kingdom: Plantae; family: Poaceae; genus: *Dactyloctenium*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 590; recordNumber: 24306; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

***Dactyloctenium aegyptium* (L.) Willd.****Material**

- a. scientificName: *Dactyloctenium aegyptium* (L.) Willd.; kingdom: Plantae; family: Poaceae; genus: *Dactyloctenium*; specificEpithet: *aegyptium*; scientificNameAuthorship: (L.) Willd.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 586; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Dactyloctenium geminatum* Hack.****Nomenclature:**

*Dactyloctenium bogdanii* S.M.Phillips

**Materials**

- a. scientificName: *Dactyloctenium bogdanii* S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Dactyloctenium*; specificEpithet: *bogdanii*; scientificNameAuthorship: S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Orkuman; verbatimLocality: Ngorongoro Conservation Area. Along a dry riverine close to Orkuman river; minimumElevationInMeters: 1550; decimalLatitude: -3.033; decimalLongitude: 35.283; eventDate: 1993-05-03; catalogNumber: 587; recordNumber: 487; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Dactyloctenium bogdanii* S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Dactyloctenium*; specificEpithet: *bogdanii*; scientificNameAuthorship: S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 588; recordNumber: 707; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- c. scientificName: *Dactyloctenium bogdanii* S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Dactyloctenium*; specificEpithet: *bogdanii*; scientificNameAuthorship: S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo-o-ogol; verbatimLocality: Ngorongoro Conservation Area, Oldonyo-o-ogol.; minimumElevationInMeters: 1700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1994-03-07; catalogNumber: 589; recordNumber: 1128; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

***Deschampsia flexuosa* (L.) Trin.****Nomenclature:***Aira caryophyllaea* Leers**Material**

- a. scientificName: *Aira caryophyllaea* Leers; kingdom: Plantae; family: Poaceae; genus: *Aira*; specificEpithet: *caryophyllaea*; scientificNameAuthorship: Leers; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1962-06-14; catalogNumber: 852; recordNumber: 6097; recordedBy: Newbould, JB; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread***Dichanthium annulatum* (Forssk.) Stapf****Material**

- a. scientificName: *Dichanthium annulatum* (Forssk.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Dichanthium*; specificEpithet: *annulatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1417; decimalLatitude: -2.32; decimalLongitude: 34.73; eventDate: 2004-02-07; catalogNumber: 591; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread***Dichanthium annulatum* var. *annulatum*****Material**

- a. scientificName: *Dichanthium annulatum* (Forssk.) Stapf var. *annulatum*; kingdom: Plantae; family: Poaceae; genus: *Dichanthium*; specificEpithet: *annulatum*; infraspecificEpithet: *annulatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Robanda village, road to the water pool, CG01 plot 36M, 0386088, 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1147; recordNumber: 819B; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Digitaria* sp.****Materials**

- a. scientificName: *Digitaria*; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kelogi; verbatimLocality: Ngorongoro Conservation Area, Kelogi.; minimumElevationInMeters: 1550; decimalLatitude: -3.033; decimalLongitude: 35.283; eventDate: 1993-05-03; catalogNumber: 597; recordNumber: 482; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Digitaria*; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 598; recordNumber: 709; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- c. scientificName: *Digitaria*; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmekeke; verbatimLocality: Ngorongoro Conservation Area, below the lower water tank at Olmekeke pipeline.; minimumElevationInMeters: 1700; decimalLatitude: -3.25; decimalLongitude: 35.516; eventDate: 1993-09-09; catalogNumber: 599; recordNumber: 880; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- d. scientificName: *Digitaria*; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 600; recordNumber: 1094; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Digitaria*; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo-ogol; verbatimLocality: Ngorongoro Conservation Area, Oldonyo-o-ogol.; minimumElevationInMeters: 1700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1994-03-07; catalogNumber: 601; recordNumber: 1119; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

***Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf****Nomenclature:**

*Digitaria scalarum* (Schweinf.) Chiov.

**Materials**

- a. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county:

- Serengeti; locality: Serengeti National Park; verbatimLocality: 1km South of South East Kopjes.; minimumElevationInMeters: 1500; decimalLatitude: -2.033333; decimalLongitude: 34.833333; eventDate: 1968-04-15; catalogNumber: 306; recordNumber: 283; recordedBy: Braun, HMH; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Eastern boundary, Serengeti 10.6miles from Soitayai.; minimumElevationInMeters: 1646; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-03-01; catalogNumber: K001087106; recordNumber: 10488; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Central Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K001087110; recordNumber: 372; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Engare Nanyuki, Serengeti.; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K001087109; recordNumber: 6304; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Seronera -Naabi hill road. 6 miles North of Simba Kopje.; minimumElevationInMeters: 1585; decimalLatitude: -2.633333; decimalLongitude: 34.916667; eventDate: 1970-03-18; catalogNumber: 310; recordNumber: 6617; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- f. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 592; recordNumber: 370; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713;



- decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 593; recordNumber: 24321; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- h. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Eastern boundary, Serengeti 10.6miles from Soitayai.; minimumElevationInMeters: 1646; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-03-01; catalogNumber: 829; recordNumber: 10488; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- i. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Central Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: 830; recordNumber: 372; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- j. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Engare Nanyuki, Serengeti.; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: 831; recordNumber: 6304; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- k. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On SE slope of crater; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087105; recordNumber: 3366; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- l. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On SE slope of crater; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: 1001; recordNumber: 3366; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- m. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: crater floor; minimumElevationInMeters: 1737; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-10-10; catalogNumber: 1002; recordNumber: E27;

- recordedBy: Gilbert, VC; institutionCode: EA; collectionCode: Herbarium;  
ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- n. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, outer eastern slope.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-01-26; catalogNumber: 1003; recordNumber: 510; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- o. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater floor north of main lake; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: K001087107; recordNumber: 147; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater floor north of main lake; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: 1005; recordNumber: 147; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- q. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, outer northern slope.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: 1006; recordNumber: 535; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- r. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1700; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-03-04; catalogNumber: 1007; recordNumber: 81; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- s. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-04-07; catalogNumber: 1008; recordNumber: 89; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

- t. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1700; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-04-08; catalogNumber: 1009; recordNumber: 97; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- u. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: At the top of Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1936-06-24; catalogNumber: K001087108; recordNumber: 972; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- v. scientificName: *Digitaria abyssinica* (Hochst. ex A.Rich.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor of Ngorongoro crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-05-04; catalogNumber: K001087111; recordNumber: 4155; recordedBy: West, D; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### *Digitaria diagonalis* (Nees) Stapf

#### **Nomenclature:**

*Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.

#### **Materials**

- a. scientificName: *Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *diagonalis*; infraspecificEpithet: *uniglumis*; scientificNameAuthorship: (A.Rich) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora river; verbatimLocality: Tabora river, mile 46.6 from the Bologonja river via Klein's camp.; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K001087216; recordNumber: 10127; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *diagonalis*; infraspecificEpithet: *uniglumis*; scientificNameAuthorship: (A.Rich) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lerong; verbatimLocality: West side of Lemagrut; minimumElevationInMeters: 2286; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1961-02-02; catalogNumber: K001087218;

- recordNumber: 5634; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Digitaria diagonalis* Stapf var. *uniglumis* (A.Rich) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *diagonalis*; infraspecificEpithet: *uniglumis*; scientificNameAuthorship: (A.Rich) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: Southern foothills of Lemagrut.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1963-1; catalogNumber: K001087219; recordNumber: 6498; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

## *Digitaria macroblephara* (Hack. ex Schinz) Paoli

### Materials

- a. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti plain entrance of National Park near Lake Magadi; minimumElevationInMeters: 1600; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000984085; recordNumber: 5595; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1580; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-27; catalogNumber: K000984086; recordNumber: 19304; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Soitayai; verbatimLocality: North of Soitayai (Serengeti area); decimalLatitude: -2.466667; decimalLongitude: 35.333333; eventDate: 1958-04-23; catalogNumber: K000984087; recordNumber: 362; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Central Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-21; catalogNumber: K000984088; recordNumber: 339; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- e. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Lake Magadi, South Seronera; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1958-04-28; catalogNumber: K000984089; recordNumber: 401; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; verbatimLocality: South of Lemuta hill; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1958-04-22; catalogNumber: K000984090; recordNumber: 351; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984091; recordNumber: 9837; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: W. Serengeti plains; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-03-16; catalogNumber: K000984092; recordNumber: 96; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Sand hill; verbatimLocality: Central Serengeti National Park; decimalLatitude: -2.833333; decimalLongitude: 35; eventDate: 1954-01-24; catalogNumber: K000984093; recordNumber: 48; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyaraswiga; verbatimLocality: North West Escarpment of Nyaraswiga plateau; decimalLatitude: -2.366667; decimalLongitude: 34.783333; eventDate: 1967-01-22; catalogNumber: K000984094; recordNumber: 99; recordedBy: Braun, HMM; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- k. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*;

scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio River; verbatimLocality: S. Serengeti; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1941-02-06; catalogNumber: K000984095; recordNumber: 2107; recordedBy: Hornby; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- l. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldiang'arang'ar Ang'ata; decimalLatitude: -2.8; decimalLongitude: 35.416667; eventDate: 1963-2; catalogNumber: K000984096; recordNumber: 6544; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- m. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 594; recordNumber: 24257; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- n. scientificName: *Digitaria macroblephara* (Hack. ex Schinz) Paoli; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *macroblephara*; scientificNameAuthorship: (Hack. ex Schinz) Paoli; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot. 36M, 0386088, 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1144; recordNumber: 829; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Uganda, Ethiopia, Somalia & Sudan

## ***Digitaria nodosa* Parl.**

### **Material**

- a. scientificName: *Digitaria nodosa* Parl.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *nodosa*; scientificNameAuthorship: Parl.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endoinyo Emboleh; verbatimLocality: Endoinyo Emboleh, Ngorongoro crater; minimumElevationInMeters: 1768; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1963-1; catalogNumber: K001087104; recordNumber: 6521; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Asia & Arabia



***Digitaria rivae* (Chiov.) Stapf****Material**

- a. scientificName: *Digitaria rivae* (Chiov.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *rivae*; scientificNameAuthorship: (Chiov.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 595; recordNumber: 24294; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

***Digitaria ternata* A.Rich.Stapf****Materials**

- a. scientificName: *Digitaria ternata* A.Rich.Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *ternata*; scientificNameAuthorship: A.Rich.Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 596; recordNumber: 367; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Digitaria ternata* A.Rich.Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *ternata*; scientificNameAuthorship: A.Rich.Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaai crater; verbatimLocality: Ngorongoro conservation area, Empakaai crater, top of east rim.; minimumElevationInMeters: 2400; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-13; catalogNumber: 1141; recordNumber: 87; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- c. scientificName: *Digitaria ternata* A.Rich.Stapf; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *ternata*; scientificNameAuthorship: A.Rich.Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro conservation area.; minimumElevationInMeters: 1524; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1988-04-18; catalogNumber: 1142; recordNumber: 2637; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Digitaria velutina* (Forssk.) P.Beauv.****Materials**

- a. scientificName: *Digitaria velutina* (Forssk.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *velutina*; scientificNameAuthorship: (Forssk.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1962-04-09; catalogNumber: K000984097; recordNumber: 10573; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Digitaria velutina* (Forssk.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *velutina*; scientificNameAuthorship: (Forssk.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi to Seronera river crossing down the corridor, mile 14.5 from Seronera.; decimalLatitude: -2.3; decimalLongitude: 34.966667; eventDate: 1961-04-04; catalogNumber: K000984098; recordNumber: 9972; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Digitaria velutina* (Forssk.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Digitaria*; specificEpithet: *velutina*; scientificNameAuthorship: (Forssk.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1961-11-20; catalogNumber: K000984099; recordNumber: 6409; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

***Diheteropogon amplexens* var. *amplexens* (Nees) Clayton****Materials**

- a. scientificName: *Diheteropogon amplexens* (Nees) Clayton var. *amplexens*; kingdom: Plantae; family: Poaceae; genus: *Diheteropogon*; specificEpithet: *amplexens*; infraspecificEpithet: *amplexens*; scientificNameAuthorship: (Nees) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.566667; decimalLongitude: 34.683333; eventDate: 1962-08-09; catalogNumber: K000984040; recordNumber: 10770; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Diheteropogon amplexens* (Nees) Clayton var. *amplexens*; kingdom: Plantae; family: Poaceae; genus: *Diheteropogon*; specificEpithet: *amplexens*; infraspecificEpithet: *amplexens*; scientificNameAuthorship: (Nees) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tutishi river; verbatimLocality: N.W. of Tutishi river near the Lake Magadi track; minimumElevationInMeters: 1402; decimalLatitude: -2.616667; decimalLongitude: 34.766667; eventDate: 1962-12-22; catalogNumber: K000984041; recordNumber: 10905; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Diheteropogon amplexens* (Nees) Clayton var. *amplexens*; kingdom: Plantae; family: Poaceae; genus: *Diheteropogon*; specificEpithet: *amplexens*; infraspecificEpithet: *amplexens*; scientificNameAuthorship: (Nees) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile, 7.8; minimumElevationInMeters: 1615; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-27; catalogNumber: K000984042; recordNumber: 9900; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Diheteropogon amplexens* (Nees) Clayton var. *amplexens*; kingdom: Plantae; family: Poaceae; genus: *Diheteropogon*; specificEpithet: *amplexens*; infraspecificEpithet: *amplexens*; scientificNameAuthorship: (Nees) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: The corridor, Banagi to Orangi river, mile 26.8 from Seronera; minimumElevationInMeters: 1371; decimalLatitude: -2.183333; decimalLongitude: 35.1; eventDate: 1961-04-04; catalogNumber: K000984043; recordNumber: 9975; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow**

#### **Nomenclature:**

*Leptochloa caudata* (K.Schum.) N.Snow

#### **Materials**

- a. scientificName: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-09; catalogNumber: K000984264; recordNumber: 10152; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Campi ya Mawi; verbatimLocality: N.E. of Campi ya Mawi and the Togora plains; minimumElevationInMeters: 1768; decimalLatitude: -2.166667; decimalLongitude: 35; eventDate: 1968-02-28; catalogNumber: K000984265; recordNumber: 13345; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Dinebra caudata* (K.Schum.) P.M. Peterson & N.Snow; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *caudata*; scientificNameAuthorship: (K.Schum.) P.M. Peterson & N.Snow; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; minimumElevationInMeters: 1707; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1962-05-23; catalogNumber: K000984266; recordNumber: 10665; recordedBy: Greenway, PJ;

institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Uganda, Rwanda and Democratic Republic of Congo

### *Dinebra retroflexa* (Vahl) Panz.

#### Materials

- a. scientificName: *Dinebra retroflexa* (Vahl) Panz.; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; scientificNameAuthorship: (Vahl) Panz.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli valley on the hip of stones covering the hominid footprints site.; minimumElevationInMeters: 1708; decimalLatitude: -3.226944; decimalLongitude: 35.191111; eventDate: 2008-04-10; catalogNumber: 1112; recordNumber: 1202; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- b. scientificName: *Dinebra retroflexa* (Vahl) Panz.; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; scientificNameAuthorship: (Vahl) Panz.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli valley; verbatimLocality: Esere-Laetoli road, Laetoli valley on the hip of stones covering the hominid footprints site.; minimumElevationInMeters: 1708; decimalLatitude: -3.226944; decimalLongitude: 35.191111; eventDate: 2008-04-10; catalogNumber: 1113; recordNumber: 1202; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NCAA; collectionCode: Herbarium; ownerInstitutionCode: NCAA; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Dinebra retroflexa* var. *condensata* S.M.Philips

#### Materials

- a. scientificName: *Dinebra retroflexa* (Vahl) Panz. var. *condensata* S.M.Philips; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; infraspecificEpithet: *condensata*; scientificNameAuthorship: S.M.Philips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi; verbatimLocality: East of Musabi, Grumeti river.; decimalLatitude: -2.233333; decimalLongitude: 34.466667; eventDate: 1968-02-10; catalogNumber: 872; recordNumber: 13168; recordedBy: Greenway, PJ; Kanuri, Braun; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- b. scientificName: *Dinebra retroflexa* (Vahl) Panz. var. *condensata* S.M.Philips; kingdom: Plantae; family: Poaceae; genus: *Dinebra*; specificEpithet: *retroflexa*; infraspecificEpithet: *condensata*; scientificNameAuthorship: S.M.Philips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyakoromo Guard Post; verbatimLocality: Nyakaoromo guard post to Ndabaka.; minimumElevationInMeters: 1097; decimalLatitude: -2.2; decimalLongitude: 34.05; eventDate: 1962-04-19; catalogNumber: K001087167; recordNumber: 10613; recordedBy: Greenway, PJ; Watson, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

***Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.**

**Nomenclature:**

*Leptochloa fusca* (L.) Kunth | *Leptochloa fusca* (L.) Kunth subsp. *fuscafusca*

**Materials**

- a. scientificName: *Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Diplachne*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: SE side of Ngorongoro crater floor. Hippo pool.; decimalLatitude: -3.25; decimalLongitude: 35.583333; eventDate: 1966-07-21; catalogNumber: K001087168; recordNumber: 12593; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Diplachne*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater floor, Gorigor swamp, western end.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1977-10-09; catalogNumber: K001087170; recordNumber: 19521; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Diplachne fusca* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Diplachne*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Titushi river near Lake Magadi, Musoma district.; minimumElevationInMeters: 1432; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1961-04-13; catalogNumber: K001087171; recordNumber: 10043; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Ngorongoro Crater; minimumElevationInMeters: 1646; decimalLatitude: -3.183333; decimalLongitude: 35.533333; eventDate: 1966-07-05; catalogNumber: K000984261; recordNumber: 12535; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbalageti river; verbatimLocality: N.W. of Serengeti; decimalLatitude: -2.883333; decimalLongitude: 34.9; eventDate: 1956-12-16; catalogNumber: K000984262; recordNumber: 9027; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Titushi river flats;

verbatimLocality: mile 14 from Seronera, Serengeti; minimumElevationInMeters: 800; decimalLatitude: -2.616667; decimalLongitude: 34.766667; eventDate: 1962-03-06; catalogNumber: K000984263; recordNumber: 10501; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- g. scientificName: *Leptochloa fusca* (L.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 641; recordNumber: 24322; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- h. scientificName: *Leptochloa fusca* (L.) Kunth subsp. *fusca*; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *fusca*; infraspecificEpithet: *fusca*; scientificNameAuthorship: (L.) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Serengeti plains, head waters of the Mbalangeti river.; minimumElevationInMeters: 1554; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1968-02-14; catalogNumber: K001087169; recordNumber: 13183; recordedBy: Greenway, PJ; Kanuri; Boer de; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Disakisperma obtusiflorum* (Hochst.) P.M. Peterson & N.Snow**

#### **Nomenclature:**

*Leptochloa obtusiflora* Hochst.

#### **Materials**

- a. scientificName: *Leptochloa obtusiflora* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *obtusiflora*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi to Seronera river crossing the corridor, mile 14.5 from Seronera; minimumElevationInMeters: 1371; decimalLatitude: -2.3; decimalLongitude: 34.966667; eventDate: 1961-04-04; catalogNumber: K000984259; recordNumber: 9971; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Leptochloa obtusiflora* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Leptochloa*; specificEpithet: *obtusiflora*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Kleins Camp to Bolgonja river; minimumElevationInMeters: 1646; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1962-05-25; catalogNumber: K000984260; recordNumber: 10666; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen



**Distribution:** Tropical Africa & Arabia

***Disakisperma yemenicum* (Schweinf.) P.M.Peterson & N.Snow**

**Nomenclature:**

*Coelachyrum yemenicum* (Schweinf.) S.M.Phillips; *Cypholepis yemenica* (Schweinf.) Chiov.

**Materials**

- a. scientificName: *Coelachyrum yemenicum* (Schweinf.) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Coelachyrum*; specificEpithet: *yemenicum*; scientificNameAuthorship: (Schweinf.) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 577; recordNumber: 24254; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki springs; verbatimLocality: Ngare Nanyuki springs, Serengeti Central Plains; minimumElevationInMeters: 1615; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-06-04; catalogNumber: K001087097; recordNumber: 10694; recordedBy: Greenway, PJ; Turner; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldiang'aranga; verbatimLocality: East Serengeti; minimumElevationInMeters: 1707; decimalLatitude: -2.8; decimalLongitude: 35.416667; eventDate: 1963-2; catalogNumber: K001087098; recordNumber: 6543; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; verbatimLocality: Masai district, gorge below the Engaruka road. Top of the escarpment above the gorge.; minimumElevationInMeters: 974; decimalLatitude: -2.983333; decimalLongitude: 35.616667; eventDate: 1970-02-27; catalogNumber: K001087099; recordNumber: 25551; recordedBy: Richards, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; minimumElevationInMeters: 1000; decimalLatitude: -2.983333; decimalLongitude: 35.95; eventDate: 1966-02-24; catalogNumber: K001087100; recordNumber: 6362; recordedBy: Leppert; institutionCode: K;

- f. collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen  
scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1460; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1987-05-01; catalogNumber: K001087101; recordNumber: 2608; recordedBy: Chuwa, S; institutionCode: K;
- g. collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen  
scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-12-27; catalogNumber: K001087102; recordNumber: 2857; recordedBy: Chuwa, S; institutionCode: K;
- h. collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen  
scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plains, 2 miles west of the eastern boundary.; minimumElevationInMeters: 1737; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-05-30; catalogNumber: K001087103; recordNumber: 10678; recordedBy: Greenway, PJ; Watson, M; institutionCode: K;
- i. collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen  
scientificName: *Cypholepis yemenica* (Schweinf.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Cypholepis*; specificEpithet: *yemenica*; scientificNameAuthorship: (Schweinf.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: -9999; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1973-12-06; catalogNumber: 1111; recordNumber: 2; recordedBy: Banyikwa, FF; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Arabia, Eastern & Southern Africa

### ***Echinochloa brevipedicellata* (Peter) Clayton**

#### **Material**

- a. scientificName: *Echinochloa brevipedicellata* (Peter) Clayton; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *brevipedicellata*; scientificNameAuthorship: (Peter) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1905-05-28; catalogNumber: 291; recordNumber: 3B; recordedBy: Banyikwa, FF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania & Kenya

***Echinochloa colona* (L.) Link****Materials**

- a. scientificName: *Echinochloa colona* (L.) Link; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *colona*; scientificNameAuthorship: (L.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 602; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- b. scientificName: *Echinochloa colona* (L.) Link; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *colona*; scientificNameAuthorship: (L.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.27; decimalLongitude: 34.58; eventDate: 2004-03-09; catalogNumber: 603; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- c. scientificName: *Echinochloa colona* (L.) Link; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *colona*; scientificNameAuthorship: (L.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1548; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-12; catalogNumber: 604; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Echinochloa haploclada* (Stapf) Stapf****Materials**

- a. scientificName: *Echinochloa haploclada* (Stapf) Stapf; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *haploclada*; scientificNameAuthorship: (Stapf) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Riverside, Serengeti National Park, Banagi.; minimumElevationInMeters: 1350; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1965-03-03; catalogNumber: K001087221; recordNumber: 5605; recordedBy: Leippert; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Echinochloa haploclada* (Stapf) Stapf; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *haploclada*; scientificNameAuthorship: (Stapf) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-03-17; catalogNumber: K001087222; recordNumber: 9839; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Echinochloa haploclada* (Stapf) Stapf; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *haploclada*; scientificNameAuthorship: (Stapf) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo springs; verbatimLocality: Serengeti national park.; minimumElevationInMeters: -9999; decimalLatitude: -2.033333; decimalLongitude: 35.216667; eventDate: 1967-09-01; catalogNumber: K001087223; recordNumber: 5391; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Echinochloa ugandensis* Snowden & C.E.Hubb.**

#### **Materials**

- a. scientificName: *Echinochloa ugandensis* Snowden & C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *ugandensis*; scientificNameAuthorship: Snowden & C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: 934; recordNumber: 9860; recordedBy: Greenway, PJ; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- b. scientificName: *Echinochloa ugandensis* Snowden & C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Echinochloa*; specificEpithet: *ugandensis*; scientificNameAuthorship: Snowden & C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-25; catalogNumber: 935; recordNumber: 12616; recordedBy: Greenway, PJ; Kanuri; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

### ***Ehrharta erecta* Lam.**

#### **Nomenclature:**

*Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.

#### **Materials**

- a. scientificName: *Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Ehrharta*; specificEpithet: *erecta*; infraspecificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: valley north-west of Jaeger Summit. Ngorongoro Conservation Area.; minimumElevationInMeters: 3047; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: K000984284; recordNumber: 186; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Ehrharta*; specificEpithet: *erecta*; infraspecificEpithet: *abyssinica*;

scientificNameAuthorship: (Hochst.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; verbatimLocality: Crater Highlands; minimumElevationInMeters: 2591; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1962-07-30; catalogNumber: K000984285; recordNumber: 6248; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Ehrharta erecta* Lam. var. *abyssinica* (Hochst.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Ehrharta*; specificEpithet: *erecta*; infraspecificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemigrut; verbatimLocality: Ngorongoro conservation area, Lemigrut, south-east slope.; minimumElevationInMeters: 2625; decimalLatitude: -3.186667; decimalLongitude: 35.378889; eventDate: 2004-07-04; catalogNumber: 1143; recordNumber: EN803; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Eleusine jaegeri* Pilg.**

#### **Materials**

- a. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2800; decimalLatitude: -3; decimalLongitude: 35.35; eventDate: 1993-06-17; catalogNumber: 605; recordNumber: 664; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area, Sendui, close to ole Senguyans boma.; minimumElevationInMeters: 2650; decimalLatitude: -2.916; decimalLongitude: 35.716; eventDate: 1993-07-22; catalogNumber: 606; recordNumber: 718; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Rhino lodge; verbatimLocality: Ngorongoro Conservation Area, Entim e Rotian, close to Rhino-lodge.; minimumElevationInMeters: 2200; decimalLatitude: -3.25; decimalLongitude: 35.516; eventDate: 1993-08-29; catalogNumber: 607; recordNumber: 861; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Armakutian;

- verbatimLocality: Ngorongoro Conservation Area, Armakutian, above Alchorai and the upper water tank in Loomyoni.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.483; eventDate: 1993-09-15; catalogNumber: 608; recordNumber: 909; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area Headquarters, upper edge of crater.; minimumElevationInMeters: 2405; decimalLatitude: -3.24529; decimalLongitude: 35.48797; eventDate: 2012-06-18; catalogNumber: 609; recordNumber: 24299; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater; eventDate: 1956-08-03; catalogNumber: 796; recordNumber: s.n.; recordedBy: Napper, D; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2317; maximumElevationInMeters: 2317; eventDate: 1965-06-10; catalogNumber: 797; recordNumber: 122; recordedBy: Goddard, J; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- h. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: The rim of the crater.; minimumElevationInMeters: 2042; eventDate: 1985-12-09; catalogNumber: 798; recordNumber: 244; recordedBy: Khayota, B; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- i. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2286; maximumElevationInMeters: 2286; eventDate: 1935-1; catalogNumber: 799; recordNumber: 89; recordedBy: Moreau, RE; Moreau, WM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- j. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: South East slope of the crater.; minimumElevationInMeters: 2439; maximumElevationInMeters: 2439; eventDate: 1933-02-22; catalogNumber: K000766126; recordNumber: 3368; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- k. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa;



- country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: South East slope of the crater.; minimumElevationInMeters: 2439; maximumElevationInMeters: 2439; eventDate: 1933-02-22; catalogNumber: 819; recordNumber: 3368; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- l. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, Ngorongoro, top of south rim.; minimumElevationInMeters: 3018; decimalLatitude: -2.916667; decimalLongitude: 35.8; eventDate: 1972-09-03; catalogNumber: 821; recordNumber: 46; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- m. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, outer eastern slope of Ngorongoro.; minimumElevationInMeters: 2130; decimalLatitude: -2.916667; decimalLongitude: 35.8; eventDate: 1972-08-14; catalogNumber: 822; recordNumber: 43; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- n. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater; eventDate: 1956-08-03; catalogNumber: K000766124; recordNumber: s.n.; recordedBy: Napper, D; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- o. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, Ngorongoro, top of south rim.; minimumElevationInMeters: 3018; decimalLatitude: -2.916667; decimalLongitude: 35.8; eventDate: 1972-09-03; catalogNumber: K000766132; recordNumber: 46; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater wall above Laroda.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1932-09-12; catalogNumber: K000766136; recordNumber: 4302; recordedBy: Burt, BD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- q. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1935-1; catalogNumber: K000766127; recordNumber: 90; recordedBy: Moreau, Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- r. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1935-1; catalogNumber: 1012; recordNumber: 90; recordedBy: Moreau; Moreau; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- s. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater south rim, outer slopes. Junction to Lemala.; minimumElevationInMeters: 2100; maximumElevationInMeters: 2350; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1977-09-15; catalogNumber: K000766129; recordNumber: 19056; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- t. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; minimumElevationInMeters: 2682; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1956-12-09; catalogNumber: K000766125; recordNumber: 9149; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- u. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemagarut Mt.; verbatimLocality: M.Oldeani.; minimumElevationInMeters: 2896; decimalLatitude: -3.166667; decimalLongitude: 35.35; eventDate: 1948-11-01; catalogNumber: K000766137; recordNumber: 49; recordedBy: Salt, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- v. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: West rim of crater.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1961-6; catalogNumber: K000766138; recordNumber: G41; recordedBy: Bogdan; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- w. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: crater edge.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-21; catalogNumber: K000766139; recordNumber: 898; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- x. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top ridge of Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K001087163; recordNumber: 981; recordedBy: Pole Evans, IB; Erens, J; institutionCode:

K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- y. scientificName: *Eleusine jaegeri* Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *jaegeri*; scientificNameAuthorship: Pilg.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top of the Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K001087164; recordNumber: 979; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** East Africa

### ***Eleusine multiflora* Hochst. ex A.Rich.**

#### **Materials**

- a. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti.; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1962-04-09; catalogNumber: 297; recordNumber: 10574; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 610; recordNumber: 24272; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1524; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1941-4; catalogNumber: 787; recordNumber: B2584; recordedBy: Bally, PRO; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Old Boma.; minimumElevationInMeters: 2134; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1961-02-11; catalogNumber: 788; recordNumber: 5652; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

- e. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Empakaai Crater, Conservation Area; top of East rim.; minimumElevationInMeters: 2450; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1974-01-22; catalogNumber: 789; recordNumber: 501; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti.; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1962-04-09; catalogNumber: K001087160; recordNumber: 10574; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Old Boma.; minimumElevationInMeters: 2134; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1961-02-11; catalogNumber: K001087161; recordNumber: 5652; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Eleusine multiflora* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Eleusine*; specificEpithet: *multiflora*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1989-05-30; catalogNumber: K001087162; recordNumber: 2787; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

## ***Elionurus muticus* (Spreng.) Kuntze**

### **Nomenclature:**

*Elionurus argenteus* Nees

### **Materials**

- a. scientificName: *Elionurus argenteus* Nees; kingdom: Plantae; family: Poaceae; genus: *Elionurus*; specificEpithet: *argenteus*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1962-08-21; catalogNumber: K000984053; recordNumber: 10769; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Elionurus argenteus* Nees; kingdom: Plantae; family: Poaceae; genus: *Elionurus*; specificEpithet: *argenteus*; scientificNameAuthorship: Nees; continent: Africa;

country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mara River Guard Post; verbatimLocality: Mara River guard post, mile 87 from Seronera.; minimumElevationInMeters: 1280; decimalLatitude: -1.583333; decimalLongitude: 34.833333; eventDate: 1961-10-04; catalogNumber: K000984054; recordNumber: 10238; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Elionurus argenteus* Nees; kingdom: Plantae; family: Poaceae; genus: *Elionurus*; specificEpithet: *argenteus*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo range; verbatimLocality: East boundary, Lobo range; minimumElevationInMeters: 1981; decimalLatitude: -1.966667; decimalLongitude: 35.216667; eventDate: 1961-05-18; catalogNumber: K000984055; recordNumber: 10307; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Enneapogon* sp.**

#### **Material**

- a. scientificName: *Enneapogon*; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 612; recordNumber: 24265; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

### ***Enneapogon cenchroides* (Licht.) C.E.Hubb**

#### **Materials**

- a. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *cenchroides*; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mosonik; verbatimLocality: West of Lake Natron; minimumElevationInMeters: 1219; decimalLatitude: -2.583333; decimalLongitude: 35.8; eventDate: 1962-11-29; catalogNumber: K000984272; recordNumber: 6356; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *cenchroides*; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Mgungu River; minimumElevationInMeters: 1341; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: K000984273; recordNumber: 10345; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *cenchroides*; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Salambala; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1829; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-11-21; catalogNumber: K000984274; recordNumber: 6294; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Enneapogon cenchroides* (Licht.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *cenchroides*; scientificNameAuthorship: (Licht.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-04; catalogNumber: 611; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Arabia & Asia

### ***Enneapogon desvauxii* P.Beauv.**

**Nomenclature:**

*Enneapogon brachystachyus* Stapf

**Materials**

- a. scientificName: *Enneapogon brachystachyus* Stapf; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *brachystachyus*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Slope of Ibalba, from Ngorongoro.; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1957-03-12; catalogNumber: K001087166; recordNumber: 202; recordedBy: Robson, TO; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Enneapogon desvauxii* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *desvauxii*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: North of Olbalbal.; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1958-04-29; catalogNumber: K001087165; recordNumber: 412; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Asia & Americas

### ***Enneapogon persicus* Boiss.**

**Nomenclature:**

*Enneapogon elegans* (Nees ex Steud.) Stapf

## Materials

- a. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *persicus*; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Dam Paddock, Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-19; catalogNumber: K000984267; recordNumber: 10071; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *persicus*; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-7; catalogNumber: K000984268; recordNumber: 13605; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *persicus*; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: mile 8 E. of Naabi Hill and three miles from the Eastern boundary; minimumElevationInMeters: 1646; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1962-03-15; catalogNumber: K000984269; recordNumber: 10524; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *persicus*; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ipumba Kopje; verbatimLocality: S. Boundary; minimumElevationInMeters: 1524; decimalLatitude: -3.266667; decimalLongitude: 34.833333; eventDate: 1961-06-06; catalogNumber: K000984270; recordNumber: 10367; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Enneapogon persicus* Boiss.; kingdom: Plantae; family: Poaceae; genus: *Enneapogon*; specificEpithet: *persicus*; scientificNameAuthorship: Boiss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Mgungu river; minimumElevationInMeters: 1341; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: K000984271; recordNumber: 10347; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

## *Enteropogon* sp.

### Material

- a. scientificName: *Enteropogon*; kingdom: Plantae; family: Poaceae; genus: *Enteropogon*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi plains; verbatimLocality: T1. Serengeti National Park. Musabi plains.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.55;



eventDate: 2004-03-07; catalogNumber: 613; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

### ***Enteropogon macrostachyus* (Hochst. ex A.Rich) Munro ex Benth.**

#### **Material**

- a. scientificName: *Enteropogon macrostachyus* (Hochst. ex A.Rich) Munro ex Benth.; kingdom: Plantae; family: Poaceae; genus: *Enteropogon*; specificEpithet: *macrostachyus*; scientificNameAuthorship: (Hochst. ex A.Rich) Munro ex Benth.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-29; catalogNumber: K000766110; recordNumber: 9928; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Eragrostis* sp.**

#### **Materials**

- a. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 617; recordNumber: 24261; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 618; recordNumber: 24267; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 619; recordNumber: 24271; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.;

minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 620; recordNumber: 24283; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

- e. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 621; recordNumber: 24290; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 622; recordNumber: 24291; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 623; recordNumber: 24292; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- h. scientificName: *Eragrostis*; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 624; recordNumber: 24302; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

## ***Eragrostis aethiopica* Chiov.**

### **Materials**

- a. scientificName: *Eragrostis aethiopica* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aethiopica*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1958-04-27; catalogNumber: K000984237; recordNumber: 388; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis aethiopica* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aethiopica*; scientificNameAuthorship: Chiov.; continent: Africa;

country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1962-03-23; catalogNumber: K000984238; recordNumber: 10542; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

## *Eragrostis aspera* (Jacq.) Nees

### Materials

- a. scientificName: *Eragrostis aspera* (Jacq.) Nees; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aspera*; scientificNameAuthorship: (Jacq.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Eastern Hillock; minimumElevationInMeters: 1676; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-06-02; catalogNumber: K000984227; recordNumber: 10359; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis aspera* (Jacq.) Nees; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *aspera*; scientificNameAuthorship: (Jacq.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-16; catalogNumber: K000984228; recordNumber: 10192; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Arabia & Asia

## *Eragrostis cilianensis* (All.) Janch.

### Nomenclature:

*Eragrostis polysperma* Peter

### Materials

#### Other materials:

- a. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira Plains; minimumElevationInMeters: 1189; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1968-02-20; catalogNumber: K000984244; recordNumber: 13313; recordedBy: Greenway, PJ; Kanuri, Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyaraswiga Hill; minimumElevationInMeters: 1341; decimalLatitude: -2.366667; decimalLongitude: 34.783333; eventDate: 1962-03-05; catalogNumber: K000984245;

- recordNumber: 10495; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; verbatimLocality: Olgarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K000984246; recordNumber: 6392; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor; minimumElevationInMeters: 1707; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: K000984247; recordNumber: 2799; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000984248; recordNumber: 9983; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: In gorge N.E. Ol Doinyo Lengai; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000984249; recordNumber: 11353; recordedBy: Greenway, PJ; Hunter, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: South side of Lake Magadi, Mile 18 from Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-03-06; catalogNumber: K000984250; recordNumber: 10504; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engaruka; minimumElevationInMeters: 997; decimalLatitude: -2.983333; decimalLongitude: 35.95; eventDate: 1966-02-24; catalogNumber: K000984251; recordNumber: 6359; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Eragrostis cilianensis* (All.) Janch.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *cilianensis*; scientificNameAuthorship: (All.) Janch.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:

Olbalbal; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-20; catalogNumber: K000984252; recordNumber: 322; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

*Isotype:*

- a. scientificName: *Eragrostis polysperma* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *polysperma*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Arusha: Deutsch Ost-Afrika: Landschaft Winter Hochland: Rand des Ngorongoro Kessels.; minimumElevationInMeters: 2200; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1926-07-22; catalogNumber: W0027741; recordNumber: 43114; recordedBy: Peter, A; institutionCode: W; collectionCode: Herbarium; ownerInstitutionCode: W; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Eragrostis exasperata* Peter**

**Materials**

- a. scientificName: *Eragrostis exasperata* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *exasperata*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo springs; verbatimLocality: Serengeti N.P.; decimalLatitude: -1.966667; decimalLongitude: 35.216667; eventDate: 1967-09-01; catalogNumber: K000984229; recordNumber: 5392; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis exasperata* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *exasperata*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; minimumElevationInMeters: 1554; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-06-22; catalogNumber: K000984230; recordNumber: 10388; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis exasperata* Peter; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *exasperata*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-02; catalogNumber: K000984231; recordNumber: 9952; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Eragrostis heteromera* Stapf****Materials**

- a. scientificName: *Eragrostis heteromera* Stapf; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *heteromera*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984232; recordNumber: 9840; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis heteromera* Stapf; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *heteromera*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka Guard Post; minimumElevationInMeters: 1128; decimalLatitude: -2.166667; decimalLongitude: 34.883333; eventDate: 1968-02-22; catalogNumber: K000984233; recordNumber: 13330; recordedBy: Greenway, PJ; Kanuri, Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis heteromera* Stapf; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *heteromera*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984234; recordNumber: 37; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eragrostis heteromera* Stapf; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *heteromera*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Excavation 6 km north of Simba kopjes; minimumElevationInMeters: 1500; decimalLatitude: -2.633333; decimalLongitude: 34.916667; eventDate: 1967-05-23; catalogNumber: K000984235; recordNumber: 228; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eragrostis heteromera* Stapf; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *heteromera*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1417; decimalLatitude: -2.23; decimalLongitude: 34.73; eventDate: 2004-02-07; catalogNumber: 614; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Eragrostis hispida* K.Schum.****Materials**

- a. scientificName: *Eragrostis hispida* K.Schum.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *hispida*; scientificNameAuthorship: K.Schum.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp, Mile 57; minimumElevationInMeters: 1646; decimalLatitude: -1.85; decimalLongitude: 35.416667; eventDate: 1961-04-06; catalogNumber: K000984226; recordNumber: 9996; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis hispida* K.Schum.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *hispida*; scientificNameAuthorship: K.Schum.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Between Campi ya Mporu and Klein's camp; minimumElevationInMeters: 1554; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1963-01-14; catalogNumber: K001087157; recordNumber: 10939; recordedBy: Greenway, PJ; Turner; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Eragrostis humidicola* Napper****Material**

- a. scientificName: *Eragrostis humidicola* Napper; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *humidicola*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Mile 46.6 from the Bologonja river via Klein's camp.; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-05-01; catalogNumber: K001087220; recordNumber: 10134; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Kenya, Tanzania, Uganda, Democratic Republic of Congo & Rwanda

***Eragrostis papposa* (Roem. & Schult.) Steud.****Nomenclature:**

*Eragrostis aulacosperma* (Fresen.) Steud.

**Materials**

- a. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal, Olbaata; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333;



- eventDate: 1962-12-14; catalogNumber: K000984253; recordNumber: 6374; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: SE part of park.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-11-21; catalogNumber: 298; recordNumber: 99; recordedBy: Kreulen, AR; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Serengeti.; minimumElevationInMeters: 1524; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1965-05-16; catalogNumber: 299; recordNumber: 4687; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Depression. Olbaata; minimumElevationInMeters: 1371; eventDate: 1962-02-07; catalogNumber: 790; recordNumber: 5991; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Longogo.; minimumElevationInMeters: 1417; eventDate: 1962-01-30; catalogNumber: 791; recordNumber: 5934; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 10km to the SE.; minimumElevationInMeters: 1500; decimalLatitude: -2.933333; decimalLongitude: 35.083333; eventDate: 1968-02-27; catalogNumber: 794; recordNumber: 256; recordedBy: Braun, HMM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Northern slope of Naabi Hill.; minimumElevationInMeters: 1500; decimalLatitude: -2.883333; decimalLongitude: 35.083333; eventDate: 1968-03-29; catalogNumber: 795; recordNumber: 274; recordedBy: Braun, HMM; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

- h. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Olbalbal, Olbaata; minimumElevationInMeters: 1371; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1962-12-14; catalogNumber: 816; recordNumber: 6374; recordedBy: Newbould, JB; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- i. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1959-02-19; catalogNumber: 823; recordNumber: 1675; recordedBy: Heady, HF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- j. scientificName: *Eragrostis papposa* (Roem. & Schult.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *papposa*; scientificNameAuthorship: (Roem. & Schult.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-19; catalogNumber: 1010; recordNumber: 1695; recordedBy: Heady, AF; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Africa & Asia

### ***Eragrostis pilosa* (L.) P.Beauv.**

#### **Materials**

- a. scientificName: *Eragrostis pilosa* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *pilosa*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyaraswiga Hill; decimalLatitude: -2.366667; decimalLongitude: 34.783333; eventDate: 1958-04-27; catalogNumber: K000984236; recordNumber: 395; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis pilosa* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *pilosa*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K001087156; recordNumber: 9875; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Eragrostis racemosa* (Thunb.) Steud.****Materials**

- a. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *racemosa*; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Klein's Camp, Mile 55.3; minimumElevationInMeters: 1798; decimalLatitude: -1.866667; decimalLongitude: 35.4; eventDate: 1961-05-17; catalogNumber: K000984241; recordNumber: 10302; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *racemosa*; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Handajenga; minimumElevationInMeters: 1219; decimalLatitude: -2.25; decimalLongitude: 34.1; eventDate: 1968-02-21; catalogNumber: K000984242; recordNumber: 13318; recordedBy: Greenway, PJ; Kanuri, Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *racemosa*; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Mile 46.6 from Bolgonja river via Kleins Camp; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000984243; recordNumber: 10130; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eragrostis racemosa* (Thunb.) Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *racemosa*; scientificNameAuthorship: (Thunb.) Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area 3 km south of Endulen Village.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-08-06; catalogNumber: 615; recordNumber: 776; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Eragrostis schweinfurthii* Chiov.****Materials**

- a. scientificName: *Eragrostis schweinfurthii* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *schweinfurthii*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: on top of the Ngorongoro crater ridge; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000984239; recordNumber: 908; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Eragrostis schweinfurthii* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *schweinfurthii*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: north east of Oldean Mtn.; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984240; recordNumber: 2751; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.

#### Materials

- a. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Mokilal; verbatimLocality: N. E. of Oldean Mountain; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1989-05-25; catalogNumber: K000984254; recordNumber: 2751b; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: K000984255; recordNumber: 90; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000984256; recordNumber: 25130; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; minimumElevationInMeters: 1463; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K000984257; recordNumber: 72; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti;

minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-18; catalogNumber: K000984258; recordNumber: 9847; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- f. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area, Sendui, close to ole Senguyans boma.; minimumElevationInMeters: 2650; decimalLatitude: -2.916; decimalLongitude: 35.716; eventDate: 1993-07-22; catalogNumber: 616; recordNumber: 717; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eragrostis tenuifolia* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *tenuifolia*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: 1094; recordNumber: 90; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Eragrostis viscosa* Trin.

### Materials

- a. scientificName: *Eragrostis viscosa* Trin.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *viscosa*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki springs; verbatimLocality: Eastern boundary of Serengeti National Park, Engare Nanyuki (Nyanuki) Springs.; minimumElevationInMeters: 1615; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-06-05; catalogNumber: K001087158; recordNumber: 10703; recordedBy: Greenway, PJ; Turner; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eragrostis viscosa* Trin.; kingdom: Plantae; family: Poaceae; genus: *Eragrostis*; specificEpithet: *viscosa*; scientificNameAuthorship: Trin.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: At junction of Olduvai to Loliondo roads and Bangi-Seronera old road, just north of Olduvai gorge.; minimumElevationInMeters: 1524; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1964-04-02; catalogNumber: K001087159; recordNumber: 4028; recordedBy: Verdcourt, B; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Asia & Arabia

***Eriochloa* sp.****Material**

- a. scientificName: *Eriochloa*; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.27; decimalLongitude: 34.58; eventDate: 2004-03-09; catalogNumber: 626; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

***Eriochloa fatmensis* (Hochst. & Steud.) Clayton****Nomenclature:**

*Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.

**Materials**

- a. scientificName: *Eriochloa fatmensis* (Hochst. & Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *fatmensis*; scientificNameAuthorship: (Hochst. & Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 625; recordNumber: 371; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eriochloa fatmensis* (Hochst. & Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *fatmensis*; scientificNameAuthorship: (Hochst. & Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Along the road to Nabaka gate, 36M, 068713, 9750232 UTM.; minimumElevationInMeters: 1314; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-01-31; catalogNumber: 1136; recordNumber: 899; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eriochloa fatmensis* (Hochst. & Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *fatmensis*; scientificNameAuthorship: (Hochst. & Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot, 36M, 0386088; 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1137; recordNumber: 839; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Naibardad Hill; verbatimLocality: Eluwanit Dam, near Naibardad, South East Serengeti.; minimumElevationInMeters: 1753;

- decimalLatitude: -3.116667; decimalLongitude: 35.1; eventDate: 1965-1; catalogNumber: K000765974; recordNumber: 6515; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000765975; recordNumber: 319; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000765979; recordNumber: 9861; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: Esere, near Kakesio, Ngorongoro conservation area.; minimumElevationInMeters: 1760; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-29; catalogNumber: K000766014; recordNumber: 2585; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Olndulen; verbatimLocality: Olndulen, Serengeti area.; eventDate: 1958-04-29; catalogNumber: K000766016; recordNumber: 414; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1981-05-15; catalogNumber: K001087112; recordNumber: 2097K; recordedBy: Chuwa, SM; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Eriochloa nubica* (Steud.) Hack. & Stapf ex Thell.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *nubica*; scientificNameAuthorship: (Steud.) Hack. & Stapf ex Thell.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: Esere, near Kakesio, Ngorongoro conservation area.; minimumElevationInMeters: 1760; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-29; catalogNumber: 1100; recordNumber: 2585; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen



**Distribution:** Tropical Africa & Arabia

### ***Eriochloa meyeriana* (Nees) Pilg.**

#### **Materials**

- a. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: westwards on the Grumeti river; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1956-11-19; catalogNumber: K000984119; recordNumber: 9036; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-12; catalogNumber: K000984120; recordNumber: 10179; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Serengeti; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-12; catalogNumber: DB0360; recordNumber: 10179; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eriochloa meyeriana* (Nees) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Eriochloa*; specificEpithet: *meyeriana*; scientificNameAuthorship: (Nees) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Seronera River below Sid Downeys Dam; minimumElevationInMeters: 1410; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1962-04-15; catalogNumber: DB0361; recordNumber: 10600; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Eustachys paspaloides* (Vahl) Lanza & Mattei**

#### **Materials**

- a. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N); minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 627; recordNumber: 24264; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;

- collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 628; recordNumber: 24295; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka Plains; verbatimLocality: South of Ndalaka plains; minimumElevationInMeters: 1280; decimalLatitude: -2.116667; decimalLongitude: 33.916667; eventDate: 1956-12-01; catalogNumber: K001087147; recordNumber: 9093; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-22; catalogNumber: K001087145; recordNumber: 347; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: West Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K001087146; recordNumber: 65; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Entrance to National Park, Maswa district.; minimumElevationInMeters: 1600; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K001087148; recordNumber: 5596; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti.; minimumElevationInMeters: 1554; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1961-03-18; catalogNumber: K001087149; recordNumber: 9845; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- h. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti.; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1958-04-24; catalogNumber: K001087150; recordNumber: 364; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Eustachys paspaloides* (Vahl) Lanza & Mattei; kingdom: Plantae; family: Poaceae; genus: *Eustachys*; specificEpithet: *paspaloides*; scientificNameAuthorship: (Vahl) Lanza & Mattei; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Along the road to Nabaka gate, 36M, 0680713, 9750232 UTM; minimumElevationInMeters: 1314; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-01-31; catalogNumber: 1115; recordNumber: 909; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Exothea abyssinica* (Hochst. ex A.Rich.) Andersson**

#### **Materials**

- a. scientificName: *Exothea abyssinica* (Hochst. ex A.Rich.) Andersson; kingdom: Plantae; family: Poaceae; genus: *Exothea*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2700; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 629; recordNumber: 771; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Exothea abyssinica* (Hochst. ex A.Rich.) Andersson; kingdom: Plantae; family: Poaceae; genus: *Exothea*; specificEpithet: *abyssinica*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemigrut; verbatimLocality: Ngorongoro conservation area, Lemigrut, south east slope.; minimumElevationInMeters: 2625; decimalLatitude: -3.186667; decimalLongitude: 35.378889; eventDate: 2004-07-04; catalogNumber: 1156; recordNumber: EN758; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

### ***Festuca obturbans* St.-Yves**

#### **Material**

- a. scientificName: *Festuca obturbans* St.-Yves; kingdom: Plantae; family: Poaceae; genus: *Festuca*; specificEpithet: *obturbans*; scientificNameAuthorship: St.-Yves; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater;

verbatimLocality: rim; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1905-05-14; catalogNumber: K000984283; recordNumber: 9140; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya & Yemen

## ***Harpachne schimperi* A.Rich.**

### **Materials**

- a. scientificName: *Harpachne schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Harpachne*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 630; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- b. scientificName: *Harpachne schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Harpachne*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 631; recordNumber: 24266; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Harpachne schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Harpachne*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 632; recordNumber: 24285; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- d. scientificName: *Harpachne schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Harpachne*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 633; recordNumber: 24293; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- e. scientificName: *Harpachne schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Harpachne*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.;

minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 634; recordNumber: 24319; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

### *Helictotrichon elongatum* (Hochst. ex A.Rich.) C.E.Hubb

#### Material

- a. scientificName: *Helictotrichon elongatum* (Hochst. ex A.Rich.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *elongatum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-26; catalogNumber: K000984279; recordNumber: P82; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.

#### Materials

- a. scientificName: *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *lachnanthum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: On crater rim. Embagai Crater; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1956-12-07; catalogNumber: K001087142; recordNumber: 9130; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *lachnanthum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1961-01-07; catalogNumber: K001087144; recordNumber: 5614; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Helictotrichon lachnanthum* (Hochst. ex A.Rich.) C.E.Hubb.; kingdom: Plantae; family: Poaceae; genus: *Helictotrichon*; specificEpithet: *lachnanthum*; scientificNameAuthorship: (Hochst. ex A.Rich.) C.E.Hubb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area, Empakaai crater, north slope of Jaeger

summit.; minimumElevationInMeters: 3100; decimalLatitude: -2.933333;  
 decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: K001087143;  
 recordNumber: 189; recordedBy: Frame, GW; institutionCode: K; collectionCode:  
 Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Ghana, Ethiopia, Kenya, Tanzania & Uganda

***Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult.**

**Materials**

- a. scientificName: *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Heteropogon*; specificEpithet: *contortus*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984039; recordNumber: 9857; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Heteropogon*; specificEpithet: *contortus*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 635; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- c. scientificName: *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Heteropogon*; specificEpithet: *contortus*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot. 36M, 0386088, 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1154; recordNumber: 847; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- d. scientificName: *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Heteropogon*; specificEpithet: *contortus*; scientificNameAuthorship: (L.) P.Beauv. ex Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater, Misigiyo, 15.1km from NCAA headquarters.; minimumElevationInMeters: 2270; decimalLatitude: -3.21; decimalLongitude: 35.354167; eventDate: 1997-06-17; catalogNumber: 1155; recordNumber: 3; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Hyparrhenia* sp.****Materials**

- a. scientificName: *Hyparrhenia*; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1307; decimalLatitude: -2.27; decimalLongitude: 34.53; eventDate: 2004-03-09; catalogNumber: 638; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia*; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemigrut; verbatimLocality: Ngorongoro conservation area, Lemigrut, south east slope.; minimumElevationInMeters: 2625; decimalLatitude: -3.186667; decimalLongitude: 35.378889; eventDate: 2004-07-04; catalogNumber: 1150; recordNumber: EN789; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

***Hyparrhenia anamesa* Clayton****Material**

- a. scientificName: *Hyparrhenia anamesa* Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *anamesa*; scientificNameAuthorship: Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Between Ngoitoktok springs and Oljoro Nyuki River, Ngorongoro crater floor; minimumElevationInMeters: 1768; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-21; catalogNumber: K000984012; recordNumber: 12598; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Hyparrhenia anthistirioides* (Hochst. & A.Rich.) Andersson ex Stapf****Materials**

- a. scientificName: *Hyparrhenia anthistirioides* (Hochst. & A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *anthistirioides*; scientificNameAuthorship: (Hochst. & A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ndugani Kopjes; verbatimLocality: S.W. Beacon, mile 26; minimumElevationInMeters: 1493; decimalLatitude: -3.25; decimalLongitude: 34.833333; eventDate: 1961-06-06; catalogNumber: K000984015; recordNumber: 10363; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia anthistirioides* (Hochst. & A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *anthistirioides*; scientificNameAuthorship: (Hochst. & A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes;



minimumElevationInMeters: 1585; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1968-02-13; catalogNumber: K000984016; recordNumber: 13177; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Hyparrhenia anthistirioides* (Hochst. & A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *anthistirioides*; scientificNameAuthorship: (Hochst. & A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli; verbatimLocality: Ngorongoro, Esere-Laetoli road, Laetoli road 2100m from the junction to the footprints site.; minimumElevationInMeters: 1630; decimalLatitude: -3.279444; decimalLongitude: 35.174444; eventDate: 2008-04-08; catalogNumber: 1152; recordNumber: 1165; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Hyparrhenia cymbaria* (L.) Stapf

#### Material

- a. scientificName: *Hyparrhenia cymbaria* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *cymbaria*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2286; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1936-6; catalogNumber: K000984017; recordNumber: 119; recordedBy: Tosbrooke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

### *Hyparrhenia dregeana* (Nees) Stapf ex Stent

#### Material

- a. scientificName: *Hyparrhenia dregeana* (Nees) Stapf ex Stent; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *dregeana*; scientificNameAuthorship: (Nees) Stapf ex Stent; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater; minimumElevationInMeters: 1829; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-15; catalogNumber: K000984014; recordNumber: 1343; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

## *Hyparrhenia filipendula* (Hochst.) Stapf

### Materials

- a. scientificName: *Hyparrhenia filipendula* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *filipendula*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Duma river air strip; decimalLatitude: -2.666667; decimalLongitude: 34.333333; eventDate: 1962-12-26; catalogNumber: K000765579; recordNumber: 10911; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia filipendula* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *filipendula*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Tabora, Mile 46.6 from the Bolongonja river via Klein's camp.; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000765598; recordNumber: 10128; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Hyparrhenia filipendula* (Hochst.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *filipendula*; scientificNameAuthorship: (Hochst.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Bolongonja river to Tabora river via Klein's camp Mile 25; minimumElevationInMeters: 1585; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1961-04-30; catalogNumber: K000765627; recordNumber: 10125; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

## *Hyparrhenia finitima* (Hochst.) Andersson ex Stapf

### Material

- a. scientificName: *Hyparrhenia finitima* (Hochst.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *finitima*; scientificNameAuthorship: (Hochst.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera Dam Paddock, Serengeti; minimumElevationInMeters: 1158; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-19; catalogNumber: K000984006; recordNumber: 10072; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Hyparrhenia hirta* (L.) Stapf****Materials**

- a. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engitati Hill; verbatimLocality: W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1646; decimalLatitude: -3.133333; decimalLongitude: 35.55; eventDate: 1966-07-24; catalogNumber: K000984002; recordNumber: 12608; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1983-01-10; catalogNumber: K000984003; recordNumber: 2227; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater Rim; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-05-25; catalogNumber: K000984004; recordNumber: 2745; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; minimumElevationInMeters: 1448; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1961-04-06; catalogNumber: K000984005; recordNumber: 9999; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater floor; minimumElevationInMeters: 1920; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-16; catalogNumber: K000984013; recordNumber: 1637; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 636; recordNumber: s.n.; recordedBy: Metele, P; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- g. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa;

- country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Engitai Hill; verbatimLocality: W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1646; decimalLatitude: -3.133333; decimalLongitude: 35.55; eventDate: 1966-07-24; catalogNumber: 1106; recordNumber: 12608; recordedBy: Greenway, PJ; Kanuri; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- h. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Crater Rim; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-05-25; catalogNumber: 1107; recordNumber: 2745; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- i. scientificName: *Hyparrhenia hirta* (L.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *hirta*; scientificNameAuthorship: (L.) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakaai crater; verbatimLocality: Ngorongoro conservation area, Empakaai crater, inside east rim.; minimumElevationInMeters: 2350; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-22; catalogNumber: 1149; recordNumber: 182; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Hyparrhenia papillipes* (Hochst. ex A.Rich.) Andersson ex Stapf

#### Materials

- a. scientificName: *Hyparrhenia papillipes* (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *papillipes*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: On an inselberg three miles west of the Eastern boundary near the Engari Nanyuki headwaters; minimumElevationInMeters: 1646; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-06-05; catalogNumber: K000984020; recordNumber: 10704; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia papillipes* (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *papillipes*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti central plain, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K000984021; recordNumber: 10690; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Hyparrhenia papillipes* (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *papillipes*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; continent: Africa;

- country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-07-18; catalogNumber: K000984022; recordNumber: 6185; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Hyparrhenia papillipes* (Hochst. ex A.Rich.) Andersson ex Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *papillipes*; scientificNameAuthorship: (Hochst. ex A.Rich.) Andersson ex Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 1730; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1927-09-18; catalogNumber: K000984023; recordNumber: 494; recordedBy: Giemeisel, QL; Rehart, LW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa, Yemen & Madagascar

### *Hyparrhenia pilgeriana* C.E.Hubb

#### Materials

- a. scientificName: *Hyparrhenia pilgeriana* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *pilgeriana*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, top of northeast rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-29; catalogNumber: K000984018; recordNumber: 140; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia pilgeriana* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *pilgeriana*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: K000984019; recordNumber: 92; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Hyparrhenia pilgeriana* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *pilgeriana*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: 1108; recordNumber: 92; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- d. scientificName: *Hyparrhenia pilgeriana* C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *pilgeriana*; scientificNameAuthorship: C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, top of northeast rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-29; catalogNumber: 1109; recordNumber: 140;

recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium;  
ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Hyparrhenia quarrei* Robyns

### Material

- a. scientificName: *Hyparrhenia quarrei* Robyns; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *quarrei*; scientificNameAuthorship: Robyns; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 637; recordNumber: 24309; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Hyparrhenia rufa* (Nees) Stapf

### Materials

- a. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Subiti Hill; verbatimLocality: East of Subiti Hill; decimalLatitude: -3.433333; decimalLongitude: 34.95; eventDate: 1958-05-03; catalogNumber: K000984007; recordNumber: 426; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi; verbatimLocality: Mile 8, W. of Musabi; decimalLatitude: -2.233333; decimalLongitude: 34.466667; eventDate: 1962-04-20; catalogNumber: K000984008; recordNumber: 10619; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. Beacon Area; minimumElevationInMeters: 1524; decimalLatitude: -3.283333; decimalLongitude: 34.8; eventDate: 1962-03-27; catalogNumber: K000984009; recordNumber: 10554; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Hyparrhenia rufa* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Hyparrhenia*; specificEpithet: *rufa*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality:

Nyamakachowe; minimumElevationInMeters: 1189; decimalLatitude: -2.45; decimalLongitude: 34.55; eventDate: 1962-03-07; catalogNumber: K000984010; recordNumber: 10507; recordedBy: Greenway, PJ; Tanner, M; Allen, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Hyperthelia dissoluta* (Nees ex Steud.) Clayton

#### Materials

- a. scientificName: *Hyperthelia dissoluta* (Nees ex Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyperthelia*; specificEpithet: *dissoluta*; scientificNameAuthorship: (Nees ex Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp, Mile 57; minimumElevationInMeters: 1646; decimalLatitude: -1.85; decimalLongitude: 35.416667; eventDate: 1961-04-06; catalogNumber: K000984044; recordNumber: 9992; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Hyperthelia dissoluta* (Nees ex Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyperthelia*; specificEpithet: *dissoluta*; scientificNameAuthorship: (Nees ex Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira Guard Post; verbatimLocality: From Kirawira Guard Post to Seronera on the return, Mile 95.1; minimumElevationInMeters: 1250; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1961-04-24; catalogNumber: K000984045; recordNumber: 10090; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Hyperthelia dissoluta* (Nees ex Steud.) Clayton; kingdom: Plantae; family: Poaceae; genus: *Hyperthelia*; specificEpithet: *dissoluta*; scientificNameAuthorship: (Nees ex Steud.) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 639; recordNumber: 24287; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Ischaemum afrum* (J.F.Gmel.) Dandy

#### Materials

- a. scientificName: *Ischaemum afrum* (J.F.Gmel.) Dandy; kingdom: Plantae; family: Poaceae; genus: *Ischaemum*; specificEpithet: *afrum*; scientificNameAuthorship: (J.F.Gmel.) Dandy; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-11; catalogNumber: K000984056; recordNumber: 11846; recordedBy: Greenway, PJ; Kanuri;



institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Ischaemum afrum* (J.F.Gmel.) Dandy; kingdom: Plantae; family: Poaceae; genus: *Ischaemum*; specificEpithet: *afrum*; scientificNameAuthorship: (J.F.Gmel.) Dandy; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro CA; verbatimLocality: Ngorongoro conservation area, Noiti volcanic lahar, alkaline rocks area.; minimumElevationInMeters: 1800; decimalLatitude: -3.210833; decimalLongitude: 35.220556; eventDate: 2004-07-02; catalogNumber: 1151; recordNumber: EN729; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & India

### ***Leersia* sp.**

#### **Material**

- a. scientificName: *Leersia*; kingdom: Plantae; family: Poaceae; genus: *Leersia*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, Shore of Lake Ngoitoktok.; minimumElevationInMeters: 1752; decimalLatitude: -3.21029; decimalLongitude: 35.60078; eventDate: 2012-06-19; catalogNumber: 640; recordNumber: 24323; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

### ***Leersia denudata* Launert**

#### **Materials**

- a. scientificName: *Leersia denudata* Launert; kingdom: Plantae; family: Poaceae; genus: *Leersia*; specificEpithet: *denudata*; scientificNameAuthorship: Launert; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater floor.; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1966-10-10; catalogNumber: 785; recordNumber: E25; recordedBy: Gilbert, VC; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Leersia denudata* Launert; kingdom: Plantae; family: Poaceae; genus: *Leersia*; specificEpithet: *denudata*; scientificNameAuthorship: Launert; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Floor. Munge swamp N. W. Ngorongoro.; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1966-07-14; catalogNumber: 786; recordNumber: 12570; recordedBy: Greenway, PJ; Kanuri, K; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

***Leersia hexandra* Sw.****Material**

- a. scientificName: *Leersia hexandra* Sw.; kingdom: Plantae; family: Poaceae; genus: *Leersia*; specificEpithet: *hexandra*; scientificNameAuthorship: Sw.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Near Fig- Tree kopje; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1963-1; catalogNumber: K001087151; recordNumber: 6523; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Loudetia* sp.****Material**

- a. scientificName: *Loudetia*; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 643; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

***Loudetia arundinacea* (Hochst. ex A.Rich.) Hochst. ex Steud.****Materials**

- a. scientificName: *Loudetia arundinacea* (Hochst. ex A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *arundinacea*; scientificNameAuthorship: (Hochst. ex A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Mile 55 from Seronera to Kirawira Guard Post; minimumElevationInMeters: 1219; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1961-04-24; catalogNumber: K000984070; recordNumber: 10087; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Loudetia arundinacea* (Hochst. ex A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *arundinacea*; scientificNameAuthorship: (Hochst. ex A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 642; recordNumber: 24282; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Loudetia kagerensis* (K.Schum.) C.E.Hubb**

#### **Materials**

- a. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kampi ya pofu; minimumElevationInMeters: 1768; decimalLatitude: -2.166667; decimalLongitude: 35; eventDate: 1968-02-28; catalogNumber: K000984067; recordNumber: 13347; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp, Mile 57; minimumElevationInMeters: 1646; decimalLatitude: -1.85; decimalLongitude: 35.416667; eventDate: 1961-04-06; catalogNumber: K000984068; recordNumber: 9991; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; verbatimLocality: Mile 46.6 from the Bolgonja River via Kleins Camp; minimumElevationInMeters: 1615; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-04-30; catalogNumber: K000984069; recordNumber: 10133; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Loudetia kagerensis* (K.Schum.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Loudetia*; specificEpithet: *kagerensis*; scientificNameAuthorship: (K.Schum.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nyamakachowe Hill; decimalLatitude: -2.45; decimalLongitude: 34.55; eventDate: 1958-04-28; catalogNumber: K000984071; recordNumber: 397; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Melinis* sp.**

#### **Material**

- a. scientificName: *Melinis*; kingdom: Plantae; family: Poaceae; genus: *Melinis*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park.; minimumElevationInMeters: 1466; decimalLatitude: -2.36; decimalLongitude: 34.5; eventDate: 2004-03-06; catalogNumber: 645; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

***Melinis repens* (Willd.) Zizka****Material**

- a. scientificName: *Melinis repens* (Willd.) Zizka; kingdom: Plantae; family: Poaceae; genus: *Melinis*; specificEpithet: *repens*; scientificNameAuthorship: (Willd.) Zizka; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-04; catalogNumber: 644; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Microchloa kunthii* Desv.****Materials**

- a. scientificName: *Microchloa kunthii* Desv.; kingdom: Plantae; family: Poaceae; genus: *Microchloa*; specificEpithet: *kunthii*; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1 Seronera Serengeti.; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1963-12-14; catalogNumber: DB0225; recordNumber: 12969; recordedBy: Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Microchloa kunthii* Desv.; kingdom: Plantae; family: Poaceae; genus: *Microchloa*; specificEpithet: *kunthii*; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1 Seronera Serengeti.; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1963-12-14; catalogNumber: 316; recordNumber: 12969; recordedBy: Tanner, M; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- c. scientificName: *Microchloa kunthii* Desv.; kingdom: Plantae; family: Poaceae; genus: *Microchloa*; specificEpithet: *kunthii*; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 646; recordNumber: 710; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- d. scientificName: *Microchloa kunthii* Desv.; kingdom: Plantae; family: Poaceae; genus: *Microchloa*; specificEpithet: *kunthii*; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbili-Esere; verbatimLocality: Ngorongoro Conservation Area, Olbili-Esere.; minimumElevationInMeters: 1600; decimalLatitude: -3.283; decimalLongitude: 35.166; eventDate: 1994-01-23; catalogNumber: 647; recordNumber: 1016; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Microchloa kunthii* Desv.; kingdom: Plantae; family: Poaceae; genus: *Microchloa*; specificEpithet: *kunthii*; scientificNameAuthorship: Desv.; continent: Africa;

- country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 648; recordNumber: 24255; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- f. scientificName: *Microchloa kunthii* Desv.; kingdom: Plantae; family: Poaceae; genus: *Microchloa*; specificEpithet: *kunthii*; scientificNameAuthorship: Desv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 649; recordNumber: 24288; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

## *Odyssea paucinervis* (Nees) Stapf

### Materials

- a. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 650; recordNumber: 24312; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro crater, Lake Magadi (soda lake); minimumElevationInMeters: 1545; decimalLatitude: -3.183333; decimalLongitude: 35.533333; eventDate: 1966-09-10; catalogNumber: K001087154; recordNumber: E40; recordedBy: Gilbert, VC; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: East side of Lake Magadi, Ngorongoro crater floor.; minimumElevationInMeters: 1661; decimalLatitude: -3.183333; decimalLongitude: 35.533333; eventDate: 1966-07-14; catalogNumber: K001087152; recordNumber: 12576; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:

Lake Magadi; verbatimLocality: East side of Lake Magadi, Ngorongoro crater floor.; minimumElevationInMeters: 1661; decimalLatitude: -3.183333; decimalLongitude: 35.533333; eventDate: 1966-07-14; catalogNumber: K001087153; recordNumber: 12576; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- e. scientificName: *Odyssea paucinervis* (Nees) Stapf; kingdom: Plantae; family: Poaceae; genus: *Odyssea*; specificEpithet: *paucinervis*; scientificNameAuthorship: (Nees) Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: West side of Lake Magadi, Ngorongoro crater floor.; minimumElevationInMeters: 1661; decimalLatitude: -3.183333; decimalLongitude: 35.533333; eventDate: 1966-7; catalogNumber: K001087155; recordNumber: 13597; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

### ***Oldeania alpina* (K.Schum.) Stapleton**

#### **Nomenclature:**

*Arundinaria alpina* K.Schum.

#### **Materials**

- a. scientificName: *Arundinaria alpina* K.Schum.; kingdom: Plantae; family: Poaceae; genus: *Arundinaria*; specificEpithet: *alpina*; scientificNameAuthorship: K.Schum.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Whole south and south east side of the mountain to the crater rim and part of the crater wall.; minimumElevationInMeters: 2896; maximumElevationInMeters: 3185; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1932-09-23; catalogNumber: K001087114; recordNumber: 4223; recordedBy: Burt, BD; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Arundinaria alpina* K.Schum.; kingdom: Plantae; family: Poaceae; genus: *Arundinaria*; specificEpithet: *alpina*; scientificNameAuthorship: K.Schum.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Ngorongoro Conservation Area, Oldean Mountain; minimumElevationInMeters: 2439; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1988-10-21; catalogNumber: K001087113; recordNumber: 2679; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Oplismenus compositus* (L.) P.Beauv.****Material**

- a. scientificName: *Oplismenus compositus* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Oplismenus*; specificEpithet: *compositus*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: T1, Bologonja River.; minimumElevationInMeters: 1440; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: DB0232; recordNumber: 10754; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Oplismenus hirtellus* (L.) P.Beauv.****Material**

- a. scientificName: *Oplismenus hirtellus* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Oplismenus*; specificEpithet: *hirtellus*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Serengeti National Park, Kirawin; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1965-04-27; catalogNumber: DB0238; recordNumber: 4657; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Oropetium capense* Stapf****Material**

- a. scientificName: *Oropetium capense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Oropetium*; specificEpithet: *capense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: DB0241; recordNumber: 9854; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Africa & Arabia



***Oryza eichingeri* Peter****Material**

- a. scientificName: *Oryza eichingeri* Peter; kingdom: Plantae; family: Poaceae; genus: *Oryza*; specificEpithet: *eichingeri*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Serengeti National Park Nyamburi; minimumElevationInMeters: 1500; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1973-11-04; catalogNumber: DB0246; recordNumber: 7591; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Sri Lanka

***Panicum* sp.****Materials**

- a. scientificName: *Panicum*; kingdom: Plantae; family: Poaceae; genus: *Panicum*; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; verbatimLocality: Moru Kapjes area; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1969-02-27; catalogNumber: DB0405; recordNumber: 26; recordedBy: Braun, HMH; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum*; kingdom: Plantae; family: Poaceae; genus: *Panicum*; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Along the road from Muguma to Musoma on the Serengeti Plains at Nyichoka village.; minimumElevationInMeters: 1460; eventDate: 1992-02-20; catalogNumber: 1125; recordNumber: 1146; recordedBy: Macha, Leliyo, G; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

***Panicum atosanguineum* Hochst. ex A.Rich.****Materials**

- a. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endoinyo Emboleh; verbatimLocality: Olbalbal Escarpment; minimumElevationInMeters: 1829; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1963-2; catalogNumber: K000984144; recordNumber: 6569; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1890; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1987-04-29; catalogNumber: K000984146; recordNumber: 2586; recordedBy:

- Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: N.W. side of Lake Lagarja; minimumElevationInMeters: 1478; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1961-05-07; catalogNumber: K000984147; recordNumber: 10149; recordedBy: Greenway, PJ; Talbots, L; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Kitu Hill; verbatimLocality: Duma river - Mamerehe Guard Post, S.E. of Kitu Hill; minimumElevationInMeters: 1219; decimalLatitude: -2.45; decimalLongitude: 34.316667; eventDate: 1962-04-20; catalogNumber: K000984148; recordNumber: 10621; recordedBy: Greenway, PJ; Tanner, M; Watson; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Naabi south Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-16; catalogNumber: DB0250; recordNumber: 128; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 9 km south -east of Naabi Hill.; minimumElevationInMeters: 1500; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1969-03-26; catalogNumber: DB0251; recordNumber: 270; recordedBy: Brown, HM; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: 9 km south -east of Naabi Hill.; minimumElevationInMeters: 1500; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1969-03-26; catalogNumber: 323; recordNumber: 270; recordedBy: Brown, HM; institutionCode: WAG; collectionCode: Herbarium; ownerInstitutionCode: WAG; basisOfRecord: PreservedSpecimen
- h. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Kitu Hill; verbatimLocality: Duma river - Mamerehe Guard Post, S.E. of Kitu Hill; minimumElevationInMeters: 1219; decimalLatitude: -2.45; decimalLongitude: 34.316667; eventDate: 1962-04-20; catalogNumber: DB0252; recordNumber: 10621; recordedBy: Greenway, PJ; Tanner, M; Watson; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- i. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: T1, N. of lake Magadi on the Seronera track.; minimumElevationInMeters: 1380; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1961-04-20; catalogNumber: DB0253; recordNumber: 10081; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- j. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: 10 km north of lake Lagarje; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1981-04-10; catalogNumber: DB0254; recordNumber: 79; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- k. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Naabi south Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-16; catalogNumber: DB0378; recordNumber: 128; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Panicum atosanguineum* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *atosanguineum*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: ca. 5km from the Serengeti National Park boundary towards the west. Near Robanda hill. 36M, 0689110, 97634640 UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1124; recordNumber: 858A; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

## ***Panicum calvum* Stapf**

### **Material**

- a. scientificName: *Panicum calvum* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *calvum*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: 3 km from Crater view point; minimumElevationInMeters: 2250; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-01-24; catalogNumber: K000984152; recordNumber: 89038C; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Panicum chionachne* Mez

### Materials

- a. scientificName: *Panicum chionachne* Mez; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *chionachne*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater east rim; minimumElevationInMeters: 2460; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-11-13; catalogNumber: DB0267; recordNumber: 7606; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum chionachne* Mez; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *chionachne*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, Inside east rim elevation.; minimumElevationInMeters: 2350; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-22; catalogNumber: DB0268; recordNumber: 181; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum chionachne* Mez; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *chionachne*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, Inside east rim elevation.; minimumElevationInMeters: 2350; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-22; catalogNumber: 329; recordNumber: 181; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Panicum coloratum* L.

### Nomenclature:

*Panicum coloratum* L. var. *minus* Stapf ex Chiov.

### Materials

- a. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta; verbatimLocality: E. of Serengeti; minimumElevationInMeters: 1585; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-23; catalogNumber: K000984132; recordNumber: 208; recordedBy: Oteke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15;

- catalogNumber: K000984135; recordNumber: 10187; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi; verbatimLocality: N.W. of Naabi; decimalLatitude: -2.933333; decimalLongitude: 35.083333; eventDate: 1958-04-24; catalogNumber: K000984136; recordNumber: 369; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esere; verbatimLocality: near Kakesio; minimumElevationInMeters: 1600; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1987-04-28; catalogNumber: K000984137; recordNumber: 2583; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: South of Lake Magadi, Mile 10.6 from Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-03-06; catalogNumber: K000984138; recordNumber: 10505; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: South of Lake Magadi, Mile 10.6 from Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-03-06; catalogNumber: DB0276; recordNumber: 10505; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Naabi Hill (North) Serengeti Plains.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1972-03-22; catalogNumber: DB0277; recordNumber: 228; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: Simba North Serengeti Plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-17; catalogNumber: DB0278; recordNumber: 166; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- i. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge;

- verbatimLocality: 15 km south of Lobo Lodge; decimalLatitude: -2.116667; decimalLongitude: 35.166667; eventDate: 1981-5; catalogNumber: DB0279; recordNumber: 237; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- j. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI Compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB0280; recordNumber: 212; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- k. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: W. of Seronera, Serengeti; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: DB0281; recordNumber: 10187; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: SRI compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB0282; recordNumber: 244; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- m. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: T1, Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: DB0283; recordNumber: 9862; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- n. scientificName: *Panicum coloratum* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: Serengeti National park. Zebra Kopjes; decimalLatitude: -2.833333; decimalLongitude: 34.833333; eventDate: 1970-02-10; catalogNumber: DB0294; recordNumber: 365; recordedBy: Braun, MH; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- o. scientificName: *Panicum coloratum* L. var. *minus* Stapf ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; infraspecificEpithet: *minus*; scientificNameAuthorship: Stapf ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Central plains, N.E. of Naabi hill; minimumElevationInMeters: 1646; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1962-03-15; catalogNumber: K000984133; recordNumber: 10529; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen



- p. scientificName: *Panicum coloratum* L. var. *minus* Stapf ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; infraspecificEpithet: *minus*; scientificNameAuthorship: Stapf ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kambi ya Nyoka; decimalLatitude: -3.3; decimalLongitude: 35.583333; eventDate: 1989-01-21; catalogNumber: K000984134; recordNumber: 89033; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- q. scientificName: *Panicum coloratum* L. var. *minus* Stapf ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *coloratum*; infraspecificEpithet: *minus*; scientificNameAuthorship: Stapf ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Central plains, N.E. of Naabi hill; minimumElevationInMeters: 1646; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1962-03-15; catalogNumber: DB0399; recordNumber: 10529; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Panicum commutatum* Schult.**

#### **Nomenclature:**

*Panicum joorii* Vasey

#### **Materials**

- a. scientificName: *Panicum joorii* Vasey; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *joorii*; scientificNameAuthorship: Vasey; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 652; recordNumber: 24263; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum joorii* Vasey; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *joorii*; scientificNameAuthorship: Vasey; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 653; recordNumber: 24277; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum joorii* Vasey; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *joorii*; scientificNameAuthorship: Vasey; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 654; recordNumber: 24278; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen



**Distribution:** North & South America

***Panicum deustum* Thunb.**

**Materials**

- a. scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *deustum*; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-13; catalogNumber: DB0296; recordNumber: 522; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *deustum*; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-12; catalogNumber: DB0297; recordNumber: 418; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *deustum*; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-13; catalogNumber: DB0298; recordNumber: 523; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *deustum*; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera Kopjes; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1971-06-22; catalogNumber: DB0304; recordNumber: s.n.; recordedBy: Unknown; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum deustum* Thunb.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *deustum*; scientificNameAuthorship: Thunb.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 651; recordNumber: 24311; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Afghanistan

***Panicum humile* Steud.****Nomenclature:***Panicum watense* Mez**Material**

- a. scientificName: *Panicum watense* Mez; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *watense*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 658; recordNumber: 24304; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread***Panicum hygrocharis* Steud.****Materials**

- a. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: below Sid Downeys Dam; minimumElevationInMeters: 1432; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1962-04-15; catalogNumber: K000984139; recordNumber: 10599; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Munge Swamp; verbatimLocality: N. W. side of Ngorongoro Crater floor; minimumElevationInMeters: 1661; decimalLatitude: -3.083333; decimalLongitude: 35.666667; eventDate: 1966-07-14; catalogNumber: K000984140; recordNumber: 12573; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 15.3; minimumElevationInMeters: 1585; decimalLatitude: -2.6; decimalLongitude: 34.983333; eventDate: 1961-06-03; catalogNumber: K000984141; recordNumber: 10354; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lerai stream;

- verbatimLocality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.216667; decimalLongitude: 35.5; eventDate: 1962-07-31; catalogNumber: K000984142; recordNumber: 6252; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: below Sid Downeys Dam; minimumElevationInMeters: 1432; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1962-04-15; catalogNumber: DB0401; recordNumber: 10599; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 15.3; minimumElevationInMeters: 1585; decimalLatitude: -2.6; decimalLongitude: 34.983333; eventDate: 1961-06-03; catalogNumber: DB0400; recordNumber: 10354; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 1500; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1965-07-27; catalogNumber: DB0396; recordNumber: 4770; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Panicum hygrocharis* Steud.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hygrocharis*; scientificNameAuthorship: Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1974-05-04; catalogNumber: DB0391; recordNumber: 321; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## ***Panicum hymeniochilum* Nees**

### **Material**

- a. scientificName: *Panicum hymeniochilum* Nees; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *hymeniochilum*; scientificNameAuthorship: Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Ngorongoro Conservation area, Oldean Mountain; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1983-04-19; catalogNumber: K000984145; recordNumber: 2471; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Panicum infestum* Andersson**

#### **Material**

- a. scientificName: *Panicum infestum* Andersson; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *infestum*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Serengeti National Park. Kiriwira; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1965-04-27; catalogNumber: DB0320; recordNumber: 4658; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Panicum massaiense* Stapf**

#### **Materials**

- a. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. Beacon area; minimumElevationInMeters: 1524; decimalLatitude: -2.083333; decimalLongitude: 34.333333; eventDate: 1962-03-27; catalogNumber: K000984149; recordNumber: 10551; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.W. of Naabi Hill; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1958-05-03; catalogNumber: K000984150; recordNumber: 417; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; verbatimLocality: Mbono and Simiyu river junctions; minimumElevationInMeters: 1387; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: K000984151; recordNumber: 10371; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; verbatimLocality: Mbono and Simiyu river junctions; minimumElevationInMeters: 1387; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: DB0330; recordNumber: 10371; recordedBy: Greenway, PJ; Tanner, M; institutionCode:

SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- e. scientificName: *Panicum massaiense* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *massaiense*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. Beacon area; minimumElevationInMeters: 1524; decimalLatitude: -2.083333; decimalLongitude: 34.333333; eventDate: 1962-03-27; catalogNumber: DB0373; recordNumber: 10551; recordedBy: Greenway, PJ; Tanner, M; Harvey, G; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## ***Panicum maximum* Jacq.**

### **Nomenclature:**

*Megathyrsus maximus* (Jacq.) B.K.Simon & S.W.L.Jacobs

### **Materials**

- a. scientificName: *Megathyrsus maximus* (Jacq.) B.K.Simon & S.W.L.Jacobs; kingdom: Plantae; family: Poaceae; genus: *Megathyrsus*; specificEpithet: *maximus*; scientificNameAuthorship: (Jacq.) B.K.Simon & S.W.L.Jacobs; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-11; catalogNumber: DB0344; recordNumber: 371; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Megathyrsus maximus* (Jacq.) B.K.Simon & S.W.L.Jacobs; kingdom: Plantae; family: Poaceae; genus: *Megathyrsus*; specificEpithet: *maximus*; scientificNameAuthorship: (Jacq.) B.K.Simon & S.W.L.Jacobs; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1980-01-21; catalogNumber: DB0345; recordNumber: 5; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Megathyrsus maximus* (Jacq.) B.K.Simon & S.W.L.Jacobs; kingdom: Plantae; family: Poaceae; genus: *Megathyrsus*; specificEpithet: *maximus*; scientificNameAuthorship: (Jacq.) B.K.Simon & S.W.L.Jacobs; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Serengeti, Sri Airstrip (Serengeti Research Institute); decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1981-05-15; catalogNumber: DB0346; recordNumber: 226; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nasiporiong; verbatimLocality: Ngorongoro Conservation Area, Nasiporiong'; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 655; recordNumber: 817; recordedBy: Ellemann,

- L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 656; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- f. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-02-09; catalogNumber: 657; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- g. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Naibardad Hill; verbatimLocality: South Serengeti; minimumElevationInMeters: 1798; decimalLatitude: -3.116667; decimalLongitude: 35.1; eventDate: 1962-12-22; catalogNumber: K000765296; recordNumber: 6434; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000765311; recordNumber: 9981; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: DB0343; recordNumber: 9981; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- j. scientificName: *Panicum maximum* Jacq.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *maximum*; scientificNameAuthorship: Jacq.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ngamuriak; verbatimLocality: East Serengeti.; minimumElevationInMeters: 1981; eventDate: 1962-11-21; catalogNumber: K000765310; recordNumber: 6279; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Panicum monticola* Hook.f.****Materials**

- a. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: K000984153; recordNumber: 154; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: DB0261; recordNumber: 154; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: 1159; recordNumber: 154; recordedBy: Frame, GW; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum monticola* Hook.f.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *monticola*; scientificNameAuthorship: Hook.f.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation Area, inside east rim; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: 1160; recordNumber: 154; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Panicum poioides* Stapf****Nomenclature:**

*Panicum graciliculme* Napper

**Materials****Isotypes:**

- a. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera;



verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530;  
 decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17;  
 catalogNumber: K000255564; recordNumber: 9841; recordedBy: Greenway, PJ;  
 institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord:  
 PreservedSpecimen

- b. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: PRE0591637-0; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen
- c. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: NY00414078; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: NY; collectionCode: Herbarium; ownerInstitutionCode: NY; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: US00731055; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: PRE0031839-0; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen

*Other materials:*

- a. scientificName: *Panicum graciliculme* Napper; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *graciliculme*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera, Serengeti; minimumElevationInMeters: 1530; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: DB0374; recordNumber: 9841; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum poioides* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *poioides*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti;

decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1974-05-10; catalogNumber: DB0369; recordNumber: 323; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- c. scientificName: *Panicum poioides* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *poioides*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; minimumElevationInMeters: 1470; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1960-01-24; catalogNumber: DB0375; recordNumber: 247; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Panicum poioides* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *poioides*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Near small Kopje, west of Seronera offices and workshops; minimumElevationInMeters: 1470; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-03-21; catalogNumber: DB0376; recordNumber: 269; recordedBy: Hubert, MHB; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Panicum poioides* Stapf; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *poioides*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1470; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-03-09; catalogNumber: DB0377; recordNumber: 264; recordedBy: Hubert, MHB; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Panicum repens* L.

### Materials

- a. scientificName: *Panicum repens* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *repens*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Ngorongoro Conservation Area, Oldean Mountain; minimumElevationInMeters: 2378; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1988-10-21; catalogNumber: K000984143; recordNumber: 2678; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Panicum repens* L.; kingdom: Plantae; family: Poaceae; genus: *Panicum*; specificEpithet: *repens*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 2001-02-15; catalogNumber: DB0382; recordNumber: 1094; recordedBy: Suleiman, HO; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Paspalidium geminatum* (Forssk.) Stapf****Nomenclature:***Setaria geminata* (Forssk.) Veldkamp**Materials**

- a. scientificName: *Paspalidium geminatum* (Forssk.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Paspalidium*; specificEpithet: *geminatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi Mgungu river; minimumElevationInMeters: 1320; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: DB0456; recordNumber: 10348; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Paspalidium geminatum* (Forssk.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Paspalidium*; specificEpithet: *geminatum*; scientificNameAuthorship: (Forssk.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi; verbatimLocality: Banagi Mgungu river; minimumElevationInMeters: 1320; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1961-05-31; catalogNumber: K001087172; recordNumber: 10348; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread***Paspalum scrobiculatum* L.****Nomenclature:***Paspalum commersonii* Lam.**Material**

- a. scientificName: *Paspalum commersonii* Lam.; kingdom: Plantae; family: Poaceae; genus: *Paspalum*; specificEpithet: *commersonii*; scientificNameAuthorship: Lam.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-17; catalogNumber: K000984121; recordNumber: 10744; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread***Pennisetum* sp.****Material**

- a. scientificName: *Pennisetum*; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kelogi; verbatimLocality: Ngorongoro Conservation Area, Kelogi.;

minimumElevationInMeters: 1550; decimalLatitude: -3.033; decimalLongitude: 35.283; eventDate: 1993-05-03; catalogNumber: 678; recordNumber: 481; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

## ***Pennisetum clandestinum* Hochst. ex Chiov.**

### **Nomenclature:**

*Cenchrus clandestinus* (Hochst. ex Chiov.) Morrone

### **Materials**

- a. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area, Sendui, close to ole Senguyans boma.; minimumElevationInMeters: 2650; decimalLatitude: -2.916; decimalLongitude: 35.716; eventDate: 1993-07-22; catalogNumber: 659; recordNumber: 715; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2400; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-08-05; catalogNumber: 660; recordNumber: 774; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Esongoyo; verbatimLocality: Ngorongoro Conservation Area, Esongoyo, forest 23 km from Alaililai.; decimalLatitude: -3.166; decimalLongitude: 35.466; eventDate: 1993-08-22; catalogNumber: 661; recordNumber: 833; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- d. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Rhino lodge; verbatimLocality: Ngorongoro Conservation Area, Entim e Rotian, close to Rhino-lodge.; minimumElevationInMeters: 2200; decimalLatitude: -3.25; decimalLongitude: 35.516; eventDate: 1993-08-29; catalogNumber: 662; recordNumber: 863; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 663; recordNumber: 944; recordedBy:

- Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- f. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Armakutian; verbatimLocality: Ngorongoro Conservation Area, Armakutian, above Alchorai and the upper water tank in Loomyoni.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.483; eventDate: 1993-09-15; catalogNumber: 664; recordNumber: 910b; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, top of east rim.; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-17; catalogNumber: K000766339; recordNumber: 103; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Pennisetum clandestinum* Hochst. ex Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *clandestinum*; scientificNameAuthorship: Hochst. ex Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, top of east rim.; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-17; catalogNumber: DB0422; recordNumber: 103; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Native to Eastern Africa, introduced widely

## *Pennisetum mezianum* Leeke

### Materials

- a. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopja, Serengeti Plain; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11; catalogNumber: DB0432; recordNumber: 17; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti National Park. Serengeti Research Institute compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB0429; recordNumber: 172; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- c. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Near Naabi Hill; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1974-01-07; catalogNumber: DB0428; recordNumber: 229; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; verbatimLocality: Ngorongoro Conservation Area, Olbalbal west of the swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1993-12-10; catalogNumber: 665; recordNumber: 985; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbili-Esere; verbatimLocality: Ngorongoro Conservation Area, Olbili-Esere.; minimumElevationInMeters: 1600; decimalLatitude: -3.283; decimalLongitude: 35.166; eventDate: 1994-01-23; catalogNumber: 666; recordNumber: 1017; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- f. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-04; catalogNumber: 667; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- g. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000766238; recordNumber: 318; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: North Serengeti, North of Engare Nanyuki.; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1958-04-23; catalogNumber: K000766243; recordNumber: 361; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-15; catalogNumber: K000766244; recordNumber: 1505; recordedBy:

- Headly, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000766254; recordNumber: 9836; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- k. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: DB0433; recordNumber: 9836; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- l. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja; verbatimLocality: Ngorongoro conservation areas, Serengeti National Park, Southern edge of Lake Lagarja (=Ndutu); minimumElevationInMeters: 1700; maximumElevationInMeters: 1730; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1977-10-01; catalogNumber: K000766255; recordNumber: 19340; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- m. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti Plain; minimumElevationInMeters: 1432; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K000766240; recordNumber: 70; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- n. scientificName: *Pennisetum mezianum* Leeke; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *mezianum*; scientificNameAuthorship: Leeke; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera airdrome; verbatimLocality: Musoma district.; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000766246; recordNumber: 294; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Pennisetum polystachion* (L.) Schult.**

#### **Material**

- a. scientificName: *Pennisetum polystachion* (L.) Schult.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *polystachion*; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:



Ologumi; verbatimLocality: Ngorongoro Conservation Area, Ologumi, along Kakesio river, a seasonal river.; minimumElevationInMeters: 1600; decimalLatitude: -3.333; decimalLongitude: 35.033; eventDate: 1993-06-15; catalogNumber: 669; recordNumber: 658; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Pennisetum polystachion* subsp. *atrichum* (Stapf & C.E.Hubb) Brunken

#### Material

- a. scientificName: *Pennisetum polystachion* (L.) Schult. subsp. *atrichum* (Stapf & C.E.Hubb) Brunken; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *polystachion*; infraspecificEpithet: *atrichum*; scientificNameAuthorship: (Stapf & C.E.Hubb) Brunken; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. West of Endulen airstrip.; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-04-14; catalogNumber: 668; recordNumber: 355; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Pennisetum polystachion* subsp. *polystachion*

#### Materials

- a. scientificName: *Pennisetum polystachion* (L.) Schult. subsp. *polystachion*; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *polystachion*; infraspecificEpithet: *polystachion*; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area Sendui.; minimumElevationInMeters: 2450; decimalLatitude: -2.916; decimalLongitude: 35.7; eventDate: 1993-07-22; catalogNumber: 670; recordNumber: 721; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum polystachion* (L.) Schult. subsp. *polystachion*; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *polystachion*; infraspecificEpithet: *polystachion*; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oltebesi; verbatimLocality: Ngorongoro Conservation Area, Oltebesi above Ndiyan village; minimumElevationInMeters: 2100; decimalLatitude: -3.166; decimalLongitude: 35.283; eventDate: 1993-09-29; catalogNumber: 671; recordNumber: 934; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pennisetum polystachion* (L.) Schult. subsp. *polystachion*; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *polystachion*; infraspecificEpithet: *polystachion*; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo;

verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 672; recordNumber: 945; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

- d. scientificName: *Pennisetum polystachion* (L.) Schult. subsp. *polystachion*; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *polystachion*; infraspecificEpithet: *polystachion*; scientificNameAuthorship: (L.) Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1993-08-05; catalogNumber: 673; recordNumber: 7763; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Pennisetum riparium* Hochst. ex A.Rich.

#### Nomenclature:

*Cenchrus dowsonii* (Stapf & C.E.Hubb) Morrone | *Pennisetum dowsonii* Stapf

#### Materials

- a. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-17; catalogNumber: K000984072; recordNumber: 1663; recordedBy: Heady, HF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2195; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1961-02-08; catalogNumber: K000984073; recordNumber: 31; recordedBy: Senga, C; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Ngorongoro Conservation Area, Rotian glade; minimumElevationInMeters: 2300; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1989-01-13; catalogNumber: K000984074; recordNumber: 89016A; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate:

- 1959-02-17; catalogNumber: 939; recordNumber: 1663; recordedBy: Heady, AF; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- e. scientificName: *Pennisetum dowsonii* Stapf; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *dowsonii*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Munge Swamp; verbatimLocality: NW end of Munge Swamp, Ngorongoro crater.; minimumElevationInMeters: 1676; decimalLatitude: -3; decimalLongitude: 35.65; eventDate: 1966-07-08; catalogNumber: K001087173; recordNumber: 12547; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Uganda, Ethiopia & Burundi

### *Pennisetum setaceum* (Forssk.) Chiov.

#### Nomenclature:

*Cenchrus setaceus* (Forssk.) Morrone

#### Materials

- a. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 20; minimumElevationInMeters: 1585; decimalLatitude: -2.65; decimalLongitude: 35.333333; eventDate: 1961-06-03; catalogNumber: K000984081; recordNumber: 10356; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Serengeti plain; minimumElevationInMeters: 1524; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1968-02-08; catalogNumber: K000984082; recordNumber: 13152; recordedBy: Greenway, PJ; Kanuri; Limbrey, H; Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lolgarien; verbatimLocality: Oldoinyo-Gol; minimumElevationInMeters: 1524; decimalLatitude: -2.6; decimalLongitude: 35.383333; eventDate: 1961-5; catalogNumber: K000984083; recordNumber: 4; recordedBy: Newbould, JB; Thesiger, WP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Nasera rock; minimumElevationInMeters: 1700; decimalLatitude: -3; decimalLongitude: 35.5; eventDate: 1987-04-30; catalogNumber: K000984084; recordNumber: 2599; recordedBy:

- Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Naabi hill, mile 20; minimumElevationInMeters: 1585; decimalLatitude: -2.65; decimalLongitude: 35.333333; eventDate: 1961-06-03; catalogNumber: DB0442; recordNumber: 10356; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kelogi; verbatimLocality: Ngorongoro Conservation Area, Kelogi.; minimumElevationInMeters: 1550; decimalLatitude: -3.033; decimalLongitude: 35.283; eventDate: 1993-05-03; catalogNumber: 674; recordNumber: 483; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Pennisetum setaceum* (Forssk.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *setaceum*; scientificNameAuthorship: (Forssk.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Serengeti plain; minimumElevationInMeters: 1524; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1968-02-08; catalogNumber: DB0443; recordNumber: 13152; recordedBy: Greenway, PJ; Kanuri, Limbrey, H; Braun, H; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Pennisetum sphacelatum* (Nees) T.Durand & Schinz**

**Nomenclature:**

*Pennisetum schimperi* A.Rich. | *Cenchrus sphacelatus* (Nees) Morrone

**Materials**

- a. scientificName: *Cenchrus sphacelatus* (Nees) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *sphacelatus*; scientificNameAuthorship: (Nees) Morrone; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 555; recordNumber: 24308; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Ngorongoro crater rim near windy Gap, 8 miles N. of Crater lodge; minimumElevationInMeters: 1829; decimalLatitude: -3.166667;

- decimalLongitude: 35.583333; eventDate: 1964-06-18; catalogNumber: K000984075; recordNumber: 601; recordedBy: Welch, JR; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pennisetum schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Old Boma; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1961-02-11; catalogNumber: K000766298; recordNumber: 5651; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Pennisetum schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-18; catalogNumber: K000766300; recordNumber: 1670; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Pennisetum schimperi* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *schimperi*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top ridge of the Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000766299; recordNumber: 970; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *sphacelatum*; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, 1 mile southwest, along main road.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-03; catalogNumber: DB0445; recordNumber: 124; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *sphacelatum*; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2800; decimalLatitude: -3; decimalLongitude: 35.35; eventDate: 1993-06-17; catalogNumber: 675; recordNumber: 665; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- h. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *sphacelatum*; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndeyan 4 km North-west of Endulen Village.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.283;

- eventDate: 1993-07-16; catalogNumber: 676; recordNumber: 698; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- i. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *sphacelatum*; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Armakutian; verbatimLocality: Ngorongoro Conservation Area, Armakutian, above Alchorai and the upper water tank in Loomyoni.; minimumElevationInMeters: 2000; decimalLatitude: -3.2; decimalLongitude: 35.483; eventDate: 1993-09-15; catalogNumber: 677; recordNumber: 910a; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- j. scientificName: *Pennisetum sphacelatum* (Nees) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *sphacelatum*; scientificNameAuthorship: (Nees) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai Crater, 1 mile southwest, along main road.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-03; catalogNumber: 1102; recordNumber: 124; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Pennisetum squamulatum* Fresen.**

#### **Nomenclature:**

*Cenchrus squamulatum* (Fresen.) Morrone

#### **Materials**

- a. scientificName: *Pennisetum squamulatum* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *squamulatum*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Barafu Kopjes; minimumElevationInMeters: 1768; decimalLatitude: -2.5; decimalLongitude: 35.416667; eventDate: 1968-02-12; catalogNumber: K001087174; recordNumber: 13173; recordedBy: Greenway, PJ; Kanuri, M; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pennisetum squamulatum* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *squamulatum*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Barafu Kopjes; minimumElevationInMeters: 1768; decimalLatitude: -2.5; decimalLongitude: 35.416667; eventDate: 1968-02-12; catalogNumber: DB0449; recordNumber: 13173; recordedBy: Greenway, PJ; Kanuri, M; Turner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pennisetum squamulatum* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *squamulatum*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K001087175; recordNumber: 6401;

recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium;  
ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Ethiopia & Eritrea

## ***Pennisetum stramineum* Peter**

### **Nomenclature:**

*Cenchrus stramineus* (A. Peter) Morrone

### **Materials**

- a. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Simba Kopjes; verbatimLocality: Simba Kopjes (North) Serengeti plains; decimalLatitude: -2.7; decimalLongitude: 34.916667; eventDate: 1972-03-11; catalogNumber: DB0441; recordNumber: 43; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Nduvu Lodge; verbatimLocality: Near road 50 m from Nduvu Lodge; decimalLatitude: -3.02; decimalLongitude: 34.996944; eventDate: 1981-04-10; catalogNumber: DB0439; recordNumber: 66; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation area. Empakaai Crater, outer northern slope.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: DB0438; recordNumber: 533; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: Near Naabi Hill; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1974-01-07; catalogNumber: DB0437; recordNumber: 230; recordedBy: Kreulen, AR; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Cenchrus stramineus* (A. Peter) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *stramineus*; scientificNameAuthorship: (A. Peter) Morrone; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 556; recordNumber: 24276;



recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord:

PreservedSpecimen

- f. scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: W. of Naabi Hill; minimumElevationInMeters: 1676; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1956-12-11; catalogNumber: K000984076; recordNumber: 9159; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-14; catalogNumber: K000984077; recordNumber: 10053; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-15; catalogNumber: K000984078; recordNumber: 1503; recordedBy: Heady, HF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Central Serengeti plains; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-21; catalogNumber: K000984079; recordNumber: 341; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000984080; recordNumber: 299; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- k. scientificName: *Pennisetum stramineum* Peter; kingdom: Plantae; family: Poaceae; genus: *Pennisetum*; specificEpithet: *stramineum*; scientificNameAuthorship: Peter; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-14; catalogNumber: DB0440; recordNumber: 10053; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Arabia

***Pennisetum trachyphyllum* Pilg.****Nomenclature:**

*Cenchrus trachyphyllum* (Pilg.) Morrone

**Material**

- a. scientificName: *Cenchrus trachyphyllum* (Pilg.) Morrone; kingdom: Plantae; family: Poaceae; genus: *Cenchrus*; specificEpithet: *trachyphyllum*; scientificNameAuthorship: (Pilg.) Morrone; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro Conservation area north east slope.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-09-09; catalogNumber: DB0451; recordNumber: 238; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Central Africa

***Perotis patens* Gand.****Materials**

- a. scientificName: *Perotis patens* Gand.; kingdom: Plantae; family: Poaceae; genus: *Perotis*; specificEpithet: *patens*; scientificNameAuthorship: Gand.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Bolgonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-13; catalogNumber: DB0478; recordNumber: 495; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Perotis patens* Gand.; kingdom: Plantae; family: Poaceae; genus: *Perotis*; specificEpithet: *patens*; scientificNameAuthorship: Gand.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Kleins Camp Mile 55. 3; minimumElevationInMeters: 1140; decimalLatitude: -1.883333; decimalLongitude: 35.383333; eventDate: 1961-05-17; catalogNumber: DB0474; recordNumber: 10198; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Phalaris arundinacea* L.****Materials**

- a. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, NCAA headquarters; minimumElevationInMeters: 2400; decimalLatitude: -3; decimalLongitude: 36; eventDate: 1997-08-21; catalogNumber: 679; recordNumber: s.n.; recordedBy: Metele, P;

- institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO;  
basisOfRecord: PreservedSpecimen
- b. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Olmoti crater, floor on eastern side.; minimumElevationInMeters: 3048; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1956-12-08; catalogNumber: K001065326; recordNumber: 9147; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 1981; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1956-11-21; catalogNumber: K001065328; recordNumber: 3270; recordedBy: Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Upland grassland near Rest Camp, Ngorongoro.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1963-01-07; catalogNumber: K001065327; recordNumber: 1682; recordedBy: Napper, D; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area. Empakaai crater, deep depression, northeast of Jaeger Summit.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: K001065322; recordNumber: 187; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Ngorongoro conservation area. Empakaai crater, deep depression, northeast of Jaeger Summit.; minimumElevationInMeters: 2200; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-06-23; catalogNumber: DB0480; recordNumber: 187; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemala Forest; verbatimLocality: Ngorongoro conservation area. Lemala forest (Rotian glade); minimumElevationInMeters: 2134; decimalLatitude: -3.116667; decimalLongitude: 35.666667; eventDate: 1988-10-28; catalogNumber: K001065323; recordNumber: 2725; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- h. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Rotian glade; verbatimLocality: Ngorongoro conservation area. Rotian glade, N.H.F.R.; minimumElevationInMeters: 2300; decimalLatitude: -3.116667; decimalLongitude: 35.666667; eventDate: 1989-01-15; catalogNumber: K001065324; recordNumber: 89016E; recordedBy: Pocs, T; Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Phalaris arundinacea* L.; kingdom: Plantae; family: Poaceae; genus: *Phalaris*; specificEpithet: *arundinacea*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Ngorongoro conservation area. Nainokanoka. Olmoti crater floor.; minimumElevationInMeters: 2800; decimalLatitude: -3; decimalLongitude: 35.633333; eventDate: 1977-10-10; catalogNumber: K001065325; recordNumber: 19559; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Phragmites australis* (Cav.) Trin. ex Steud.**

#### **Material**

- a. scientificName: *Phragmites australis* (Cav.) Trin. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Phragmites*; specificEpithet: *australis*; scientificNameAuthorship: (Cav.) Trin. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1961-06-13; catalogNumber: K000984275; recordNumber: 10377; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Poa annua* L.**

#### **Materials**

- a. scientificName: *Poa annua* L.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *annua*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: rim, S. side; minimumElevationInMeters: 2256; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-05; catalogNumber: K000984282; recordNumber: 12531; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Poa annua* L.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *annua*; scientificNameAuthorship: L.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area Headquarters, upper edge of crater.; minimumElevationInMeters: 2405; decimalLatitude: -3.24529; decimalLongitude: 35.48797; eventDate: 2012-06-18; catalogNumber: 680; recordNumber: 24301;

recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;  
collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord:  
PreservedSpecimen

**Distribution:** Widespread

### *Poa leptoclada* Hochst. ex A.Rich.

#### Materials

- a. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; verbatimLocality: Crater highlands; minimumElevationInMeters: 2591; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1962-07-30; catalogNumber: K000984280; recordNumber: 6244; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; minimumElevationInMeters: 3018; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1956-12-07; catalogNumber: K000984281; recordNumber: 9137; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area Headquarters, upper edge of crater.; minimumElevationInMeters: 2405; decimalLatitude: -3.24529; decimalLongitude: 35.48797; eventDate: 2012-06-18; catalogNumber: 681; recordNumber: 24300; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- d. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro crater rim, south side.; minimumElevationInMeters: 2256; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1966-07-05; catalogNumber: K001087127; recordNumber: 12530; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the south east slope of crater.; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K001087128; recordNumber: 3361; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- f. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldeani Mt; verbatimLocality: Oldiani; minimumElevationInMeters: 2286; decimalLatitude: -3.266667; decimalLongitude: 35.433333; eventDate: 1935-1; catalogNumber: K001087130; recordNumber: 96; recordedBy: Moreau; Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater, top of south rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K001087129; recordNumber: P17; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Poa leptoclada* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Poa*; specificEpithet: *leptoclada*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro FR; verbatimLocality: Ngorongoro forest reserve, near crater road.; decimalLatitude: 3.166667; decimalLongitude: 35.583333; eventDate: 1961-03-04; catalogNumber: K001087131; recordNumber: 5681; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Pogonarthria squarrosa* (Roem. & Schult.) Pilg.**

#### **Material**

- a. scientificName: *Pogonarthria squarrosa* (Roem. & Schult.) Pilg.; kingdom: Plantae; family: Poaceae; genus: *Pogonarthria*; specificEpithet: *squarrosa*; scientificNameAuthorship: (Roem. & Schult.) Pilg.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55.3.; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087132; recordNumber: 10199; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Pogononeura biflora* Napper**

#### **Materials**

##### *Isotypes:*

- a. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.;

- minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: K000366539; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: NY00431431; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: NY; collectionCode: Herbarium; ownerInstitutionCode: NY; basisOfRecord: PreservedSpecimen
- c. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: PRE0784719-0; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen
- d. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: PRE0696292-0; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: PRE; collectionCode: Herbarium; ownerInstitutionCode: PRE; basisOfRecord: PreservedSpecimen
- e. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: US00289117; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

#### Holotypes:

- a. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.; minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: EA000000530; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: 80 km from Seronera via Musabi Guard Post.;



minimumElevationInMeters: 1310; decimalLatitude: -2.166667; decimalLongitude: 35.5; eventDate: 1961-04-25; catalogNumber: EA000000531; recordNumber: 10091; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

*Other materials:*

- a. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Kirawira guard post, Musoma district.; minimumElevationInMeters: 1128; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1962-04-18; catalogNumber: K001087133; recordNumber: 10608; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Pogononeura biflora* Napper; kingdom: Plantae; family: Poaceae; genus: *Pogononeura*; specificEpithet: *biflora*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi-Nyamuma; verbatimLocality: Musabi - Nyamuma Guard post. Musoma district.; minimumElevationInMeters: 1234; decimalLatitude: -2.333333; decimalLongitude: 34.333333; eventDate: 1962-04-20; catalogNumber: K001087134; recordNumber: 10620; recordedBy: Greenway, PJ; Turner, M; Watson, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania & Uganda

***Polypogon monspeliensis* (L.) Desf.**

**Materials**

- a. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; verbatimLocality: Musabi - Nyamuma Guard post. Musoma district.; minimumElevationInMeters: 1676; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1953-11-09; catalogNumber: K001087135; recordNumber: 1738; recordedBy: Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1965-11-17; catalogNumber: 866; recordNumber: H217; recordedBy: Herlocker, D; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- c. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lengusa; verbatimLocality: T.N.P. Serengeti South; eventDate: 1969-12-19; catalogNumber: K001087136; recordNumber: 5; recordedBy: Ole Sayalal, P; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- d. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Klein's camp; minimumElevationInMeters: 1707; decimalLatitude: -1.7; decimalLongitude: 35.216667; eventDate: 1962-05-23; catalogNumber: K001087137; recordNumber: 10657; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Polypogon monspeliensis* (L.) Desf.; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *monspeliensis*; scientificNameAuthorship: (L.) Desf.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro conservation area. Endulen (Oldogum river); minimumElevationInMeters: 1737; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1989-10-28; catalogNumber: K001087138; recordNumber: 2897; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Polypogon schimperianus* (Hochst. ex Steud.) Cope

#### Material

- a. scientificName: *Polypogon schimperianus* (Hochst. ex Steud.) Cope; kingdom: Plantae; family: Poaceae; genus: *Polypogon*; specificEpithet: *schimperianus*; scientificNameAuthorship: (Hochst. ex Steud.) Cope; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nainokanoka; verbatimLocality: crater highland; minimumElevationInMeters: 3048; decimalLatitude: -3.016667; decimalLongitude: 35.683333; eventDate: 1962-07-29; catalogNumber: K000984278; recordNumber: 6237; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### *Psilolemma jaegeri* (Pilg.) S.M.Phillips

#### Materials

- a. scientificName: *Psilolemma jaegeri* (Pilg.) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Psilolemma*; specificEpithet: *jaegeri*; scientificNameAuthorship: (Pilg.) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 682; recordNumber: 24320; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Psilolemma jaegeri* (Pilg.) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Psilolemma*; specificEpithet: *jaegeri*; scientificNameAuthorship: (Pilg.) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbalageti river; verbatimLocality: North west serengeti; decimalLatitude: -2.883333;

- decimalLongitude: 34.9; eventDate: 1956-11-16; catalogNumber: K001087141; recordNumber: 9028; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Psilolemma jaegeri* (Pilg.) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Psilolemma*; specificEpithet: *jaegeri*; scientificNameAuthorship: (Pilg.) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: East Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11; catalogNumber: K001087140; recordNumber: 6314; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Kenya, Uganda & Democratic Republic of Congo

### *Schmidtia pappophoroides* Steud. ex J.A.Schmidt.

#### Nomenclature:

*Schmidtia bulbosa* Stapf

#### Material

- a. scientificName: *Schmidtia pappophoroides* Steud. ex J.A.Schmidt.; kingdom: Plantae; family: Poaceae; genus: *Schmidtia*; specificEpithet: *pappophoroides*; scientificNameAuthorship: Steud. ex J.A.Schmidt.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55.3.; minimumElevationInMeters: 1798; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087139; recordNumber: 10301; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

### *Setaria* sp.

#### Material

- a. scientificName: *Setaria*; kingdom: Plantae; family: Poaceae; genus: *Setaria*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmoti crater; verbatimLocality: Crater Highlands Olmoti Crater; minimumElevationInMeters: 2700; decimalLatitude: -3; decimalLongitude: 35.083333; eventDate: 1959-12-27; catalogNumber: DB0647; recordNumber: 17; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

### *Setaria homonyma* (Steud.) Chiov.

#### Materials

- a. scientificName: *Setaria homonyma* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steud.) Chiov.;

continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor near south wall, 0.5 mile south of Leraï forest; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1973-03-10; catalogNumber: K000984100; recordNumber: 83; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Setaria homonyma* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steud.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; minimumElevationInMeters: 1402; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1962-04-11; catalogNumber: K000984101; recordNumber: 10588; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria homonyma* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steud.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor near south wall, 0.5 mile south of Leraï forest; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1973-03-10; catalogNumber: 1099; recordNumber: 83; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- d. scientificName: *Setaria homonyma* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *homonyma*; scientificNameAuthorship: (Steud.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Enduleni, Olindogom stream.; minimumElevationInMeters: 1730; decimalLatitude: -3.217778; decimalLongitude: 35.268333; eventDate: 2004-06-29; catalogNumber: 1130; recordNumber: EN663; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

## *Setaria incrassata* (Hochst.) Hack.

### Materials

- a. scientificName: *Setaria incrassata* (Hochst.) Hack.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *incrassata*; scientificNameAuthorship: (Hochst.) Hack.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira; verbatimLocality: Kiriwira; minimumElevationInMeters: 1200; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1965-04-25; catalogNumber: DB0585; recordNumber: 4651; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria incrassata* (Hochst.) Hack.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *incrassata*; scientificNameAuthorship: (Hochst.) Hack.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro Conservation Area. Enduleni Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266;

eventDate: 1993-04-20; catalogNumber: 683; recordNumber: 374; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

- c. scientificName: *Setaria incrassata* (Hochst.) Hack.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *incrassata*; scientificNameAuthorship: (Hochst.) Hack.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Masapi Serengeti area; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-05-09; catalogNumber: K000765110; recordNumber: 433; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Setaria kagerensis* Mez

#### Materials

- a. scientificName: *Setaria kagerensis* Mez; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *kagerensis*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Banagi; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-30; catalogNumber: K000984102; recordNumber: 9946; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria kagerensis* Mez; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *kagerensis*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Olairadad S. side of Ngorongoro Crater wall.; minimumElevationInMeters: 2012; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-02-02; catalogNumber: K000984103; recordNumber: 5973; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria kagerensis* Mez; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *kagerensis*; scientificNameAuthorship: Mez; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Banagi; minimumElevationInMeters: 1524; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-30; catalogNumber: DB0648; recordNumber: 9946; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Setaria longiseta* P.Beauv.

#### Materials

- a. scientificName: *Setaria longiseta* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *longiseta*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bologonja; verbatimLocality: Bologonja; decimalLatitude: -1.783333; decimalLongitude: 35.2;

eventDate: 1972-04-24; catalogNumber: DB0620; recordNumber: 732a; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

- b. scientificName: *Setaria longiseta* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *longiseta*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Balogonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-10; catalogNumber: DB0619; recordNumber: 614; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Setaria megaphylla* (Steud.) T.Durand & Schinz

#### Materials

- a. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1930-07-27; catalogNumber: K000984106; recordNumber: 284; recordedBy: Staples, RR; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: K000984107; recordNumber: 10757; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kogatende; verbatimLocality: Kogatende - Nyamburi; decimalLatitude: -1.583333; decimalLongitude: 34.933333; catalogNumber: DB0624; recordNumber: 698; recordedBy: Herlocker, D; Asao, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja river; minimumElevationInMeters: 1463; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1962-08-18; catalogNumber: DB0622; recordNumber: 10757; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Setaria megaphylla* (Steud.) T.Durand & Schinz; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *megaphylla*; scientificNameAuthorship: (Steud.) T.Durand & Schinz; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Crater wall.;

minimumElevationInMeters: 1890; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: 1131; recordNumber: 2793; recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

### ***Setaria orthosticha* K.Schum. ex R.A.W.Herrm.**

#### **Material**

- a. scientificName: *Setaria orthosticha* K.Schum. ex R.A.W.Herrm.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *orthosticha*; scientificNameAuthorship: K.Schum. ex R.A.W.Herrm.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Gursi river, west of Enduleni.; minimumElevationInMeters: 1700; decimalLatitude: -3.211111; decimalLongitude: 35.220556; eventDate: 2004-06-25; catalogNumber: 1135; recordNumber: EN545; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### ***Setaria poiretiana* (Schult.) Kunth**

#### **Nomenclature:**

*Setaria caudula* Stapf

#### **Materials**

- a. scientificName: *Setaria caudula* Stapf; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *caudula*; scientificNameAuthorship: Stapf; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2286; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1935-1; catalogNumber: K000984105; recordNumber: 94; recordedBy: Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria poiretiana* (Schult.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *poiretiana*; scientificNameAuthorship: (Schult.) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Wall along the road leading up from crater; minimumElevationInMeters: 1890; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1989-06-01; catalogNumber: K000984104; recordNumber: 2794; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria poiretiana* (Schult.) Kunth; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *poiretiana*; scientificNameAuthorship: (Schult.) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Wall along the road leading up from crater; minimumElevationInMeters: 1890; decimalLatitude: -3.166667; decimalLongitude:



35.583333; eventDate: 1989-06-01; catalogNumber: 1098; recordNumber: 2794;  
 recordedBy: Chuwa, S; institutionCode: NHT; collectionCode: Herbarium;  
 ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

## ***Setaria pumila* (Poir.) Roem. & Schult.**

### **Nomenclature:**

*Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb

### **Materials**

- a. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Simiyu Guard Post and return, Mile 41.3; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-27; catalogNumber: K000984111; recordNumber: 10107; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. of Beacon area; minimumElevationInMeters: 1554; decimalLatitude: -3.283333; decimalLongitude: 34.8; eventDate: 1962-03-26; catalogNumber: K000984112; recordNumber: 10545; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Simiyu Guard Post and return, Mile 41.3; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-27; catalogNumber: DB0640; recordNumber: 10107; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Setaria pallide-fusca* (Schumach.) Stapf & C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pallide-fusca*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Beacon Area; verbatimLocality: S.W. of Beacon area; minimumElevationInMeters: 1554; decimalLatitude: -3.283333; decimalLongitude: 34.8; eventDate: 1962-03-26; catalogNumber: DB0642; recordNumber: 10545; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Setaria pumila* (Poir.) Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pumila*; scientificNameAuthorship: (Poir.) Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South of Seronera Serengeti plains;

- decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1972-03-14; catalogNumber: DB0641; recordNumber: 108; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Setaria pumila* (Poir.) Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pumila*; scientificNameAuthorship: (Poir.) Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Plains; verbatimLocality: South West Beacon Area; minimumElevationInMeters: 1500; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-03-27; catalogNumber: DB0639; recordNumber: 10552; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Setaria pumila* (Poir.) Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pumila*; scientificNameAuthorship: (Poir.) Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Endulen Hospital.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-20; catalogNumber: 684; recordNumber: 369; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- h. scientificName: *Setaria pumila* (Poir.) Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pumila*; scientificNameAuthorship: (Poir.) Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli; verbatimLocality: Esere-Laetoli road, Laetoli road, 900m, from the junction to the footprints site.; minimumElevationInMeters: 1625; decimalLatitude: -3.291389; decimalLongitude: 35.173889; eventDate: 2008-04-08; catalogNumber: 1133; recordNumber: 1138; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- i. scientificName: *Setaria pumila* (Poir.) Roem. & Schult.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *pumila*; scientificNameAuthorship: (Poir.) Roem. & Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli; verbatimLocality: Esere-Laetoli road, Laetoli road, 900m, from the junction to the footprints site.; minimumElevationInMeters: 1625; decimalLatitude: -3.291389; decimalLongitude: 35.173889; eventDate: 2008-04-08; catalogNumber: 1134; recordNumber: 1138; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NCAA; collectionCode: Herbarium; ownerInstitutionCode: NCAA; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss

**Nomenclature:**

*Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *torta* (Stapf) Clayton |  
*Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton

## Materials

- a. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984116; recordNumber: 36; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1974-02-01; catalogNumber: DB0606; recordNumber: 534; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai Crater, top of South rim.; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-26; catalogNumber: DB0596; recordNumber: 5; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- d. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Seronera river, the 3rd crossing from Seronera on the Banagi road.; minimumElevationInMeters: 1410; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: DB0592; recordNumber: 676; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: 5 km north of Lobo Lodge; decimalLatitude: -1.933333; decimalLongitude: 35.166667; eventDate: 1981-05-31; catalogNumber: DB0589; recordNumber: 278; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Belongonja; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1972-04-27; catalogNumber: DB0588; recordNumber: 805; recordedBy:

- Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- g. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1315; decimalLatitude: -2.27; decimalLongitude: 34.61; eventDate: 2004-03-09; catalogNumber: 685; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- h. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1494; decimalLatitude: -2.43; decimalLongitude: 34.82; eventDate: 2004-02-05; catalogNumber: 686; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- i. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 687; recordNumber: 11; recordedBy: Metele, P; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- j. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 1096; recordNumber: 11; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- k. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Near Robanda Hill, 36M, 689097, 9763522 UTM.; minimumElevationInMeters: 1416; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-29; catalogNumber: 1128; recordNumber: 882; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- l. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa;

- country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Ndabaka- Seronera road. 0702390, 9731772 UTM; minimumElevationInMeters: 1494; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2004-02-04; catalogNumber: 1129; recordNumber: 708; recordedBy: Mboya, EI; Shombe, H; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- m. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; scientificNameAuthorship: (Schumach.) Stapf & C.E.Hubb ex Moss; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enduleni; verbatimLocality: Ngorongoro conservation area, Curusi river, west of Enduleni.; minimumElevationInMeters: 1700; decimalLatitude: -3.211111; decimalLongitude: 35.220556; eventDate: 2004-06-25; catalogNumber: 1132; recordNumber: EN551; recordedBy: Njau, E; Leliyo, G; Andrew, P; Bamford, M; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- n. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *sericea*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: K000984114; recordNumber: 9968; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- o. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *sericea*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: E. side; minimumElevationInMeters: 1371; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-04-11; catalogNumber: K000984115; recordNumber: 10594; recordedBy: Greenway, PJ; Tanner, M; Rensburgh, HJ van; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *sericea*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of the southern rim; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: K000984117; recordNumber: P5; recordedBy: Frame, GW; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- q. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *sericea*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: E. side; minimumElevationInMeters: 1371; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1962-04-11; catalogNumber: DB0591; recordNumber: 10594; recordedBy: Greenway, PJ; Tanner, M; Rensburgh, HJ van;

- institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- r. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *sericea*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-03; catalogNumber: DB0590; recordNumber: 9968; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- s. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *sericea* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *sericea*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: top of the southern rim; minimumElevationInMeters: 2900; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-02-28; catalogNumber: 1097; recordNumber: P5; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- t. scientificName: *Setaria sphacelata* (Schumach.) Stapf & C.E.Hubb ex Moss var. *torta* (Stapf) Clayton; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sphacelata*; infraspecificEpithet: *torta*; scientificNameAuthorship: (Stapf) Clayton; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ngamuriak; verbatimLocality: E. Serengeti; minimumElevationInMeters: 2042; decimalLatitude: -2.833333; decimalLongitude: 35; eventDate: 1962-11-21; catalogNumber: K000984113; recordNumber: 6290; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Setaria sulcata* Raddi**

#### **Material**

- a. scientificName: *Setaria sulcata* Raddi; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *sulcata*; scientificNameAuthorship: Raddi; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Bolgonja; verbatimLocality: Serengeti National Park; decimalLatitude: -1.783333; decimalLongitude: 35.2; eventDate: 1970-04-13; catalogNumber: DB0629; recordNumber: 521; recordedBy: Schmidt, W; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Native to Central & South America, introduced in Tanzania

### ***Setaria verticillata* (L.) P.Beauv.**

#### **Materials**

- a. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.;



- continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.983333; eventDate: 1961-04-05; catalogNumber: K000984108; recordNumber: 9980; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio; verbatimLocality: Kakessio; minimumElevationInMeters: 1768; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1961-04-07; catalogNumber: K000984109; recordNumber: 5810; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; minimumElevationInMeters: 1829; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1961-06-07; catalogNumber: K000984110; recordNumber: 16; recordedBy: Msuya, EZM; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 1981-05-11; catalogNumber: DB0650; recordNumber: 136; recordedBy: Belsky, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndeyan 4 km North-west of Endulen Village.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-07-16; catalogNumber: 688; recordNumber: 694; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- f. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Enja Shori; verbatimLocality: Ngorongoro Conservation Area, along Enja Shori.; minimumElevationInMeters: 1500; decimalLatitude: -3.033; decimalLongitude: 35.266; eventDate: 1993-07-19; catalogNumber: 689; recordNumber: 711; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Nasiporiong; verbatimLocality: Ngorongoro Conservation Area, Nasiporiong'; minimumElevationInMeters: 1800; decimalLatitude: -3.2; decimalLongitude: 35.2; eventDate: 1993-08-19; catalogNumber: 690; recordNumber: 818; recordedBy: Ellemann,



- L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- h. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.27; decimalLongitude: 34.58; eventDate: 2004-03-09; catalogNumber: 691; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- i. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1290; decimalLatitude: -2.27; decimalLongitude: 34.55; eventDate: 2004-02-02; catalogNumber: 692; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- j. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli; verbatimLocality: Esere-Laetoli road, at the junction to the Laetoli footprints.; minimumElevationInMeters: 1616; decimalLatitude: -3.291389; decimalLongitude: 35.173611; eventDate: 2008-04-07; catalogNumber: 1126; recordNumber: 1119; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- k. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Laetoli; verbatimLocality: Esere-Laetoli road, at the junction to the Laetoli footprints.; minimumElevationInMeters: 1616; decimalLatitude: -3.291389; decimalLongitude: 35.173611; eventDate: 2008-04-07; catalogNumber: 1127; recordNumber: 1119; recordedBy: Mollel, NP; Mboya, EI; institutionCode: NCAA; collectionCode: Herbarium; ownerInstitutionCode: NCAA; basisOfRecord: PreservedSpecimen
- l. scientificName: *Setaria verticillata* (L.) P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Setaria*; specificEpithet: *verticillata*; scientificNameAuthorship: (L.) P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.983333; eventDate: 1961-04-05; catalogNumber: DB0651; recordNumber: 9980; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Snowdenia petitiانا* (A.Rich.) C.E.Hubb****Materials**

- a. scientificName: *Snowdenia petitiانا* (A.Rich.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Snowdenia*; specificEpithet: *petitiانا*; scientificNameAuthorship: (A.Rich.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai crater, top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: DB0655; recordNumber: 94; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- b. scientificName: *Snowdenia petitiانا* (A.Rich.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Snowdenia*; specificEpithet: *petitiانا*; scientificNameAuthorship: (A.Rich.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakaai crater; inside east rim.; minimumElevationInMeters: 2300; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-05-30; catalogNumber: DB0654; recordNumber: 169; recordedBy: Frame, GW; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- c. scientificName: *Snowdenia petitiانا* (A.Rich.) C.E.Hubb; kingdom: Plantae; family: Poaceae; genus: *Snowdenia*; specificEpithet: *petitiانا*; scientificNameAuthorship: (A.Rich.) C.E.Hubb; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Empakai crater, top of east rim; minimumElevationInMeters: 2600; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1973-03-14; catalogNumber: 1101; recordNumber: 94; recordedBy: Frame, GW; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Yemen

***Sorghum arundinaceum* (Desv.) Stapf****Nomenclature:**

*Sorghum verticilliflorum* (Steud.) Stapf

**Materials**

- a. scientificName: *Sorghum arundinaceum* (Desv.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *arundinaceum*; scientificNameAuthorship: (Desv.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1303; decimalLatitude: -2.27; decimalLongitude: 34.61; eventDate: 2004-02-06; catalogNumber: 693; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sorghum verticilliflorum* (Steud.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *verticilliflorum*; scientificNameAuthorship: (Steud.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Seronera River near Seronera-

Serengeti.; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-20; catalogNumber: K000731349; recordNumber: 10321; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

## ***Sorghum versicolor* Andersson**

### **Materials**

- a. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ndoha Plains; verbatimLocality: Eastwards of Ndoha plains; minimumElevationInMeters: 1219; decimalLatitude: -2.5; decimalLongitude: 34.416667; eventDate: 1961-04-20; catalogNumber: K000984063; recordNumber: 10075; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Subiti Hill; verbatimLocality: N.E. of Subiti Hill; decimalLatitude: -3.433333; decimalLongitude: 34.95; eventDate: 1958-05-03; catalogNumber: K000984064; recordNumber: 425; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; minimumElevationInMeters: 1493; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: K000984065; recordNumber: 10368; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Mbono river; minimumElevationInMeters: 1493; decimalLatitude: -3.116667; decimalLongitude: 34.833333; eventDate: 1961-06-07; catalogNumber: DB0661; recordNumber: 10368; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sorghum versicolor* Andersson; kingdom: Plantae; family: Poaceae; genus: *Sorghum*; specificEpithet: *versicolor*; scientificNameAuthorship: Andersson; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Ndoha Plains; verbatimLocality: Eastwards of Ndoha plains; minimumElevationInMeters: 1219; decimalLatitude: -2.5; decimalLongitude: 34.416667; eventDate: 1961-04-20; catalogNumber: DB0660; recordNumber: 10075; recordedBy: Greenway, PJ; Tanner, M; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

***Sporobolus* sp.****Materials**

- a. scientificName: *Sporobolus*; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Ngorongoro Conservation Area, Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.983; decimalLongitude: 35.35; eventDate: 1993-08-18; catalogNumber: 716; recordNumber: 805; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus*; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation area Olduvai Gorge.; minimumElevationInMeters: 2250; decimalLatitude: -2.99; decimalLongitude: 35.35; eventDate: 1905-06-19; catalogNumber: 718; recordNumber: s.n.; recordedBy: Phillipson, PB; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen

***Sporobolus africanus* (Poir.) Robyns & Tournay****Nomenclature:**

*Sporobolus capensis* (P.Beauv.) Kunth

**Materials**

- a. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngoitoktok springs; verbatimLocality: E. side of Ngorongoro Crater floor; minimumElevationInMeters: 1707; decimalLatitude: -3.2; decimalLongitude: 35.616667; eventDate: 1966-07-21; catalogNumber: K000984168; recordNumber: 12597; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1550; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1967-05-05; catalogNumber: K000984169; recordNumber: 210; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: SE slope of crater.; minimumElevationInMeters: 2439; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1933-02-22; catalogNumber: K000495994; recordNumber: 3367; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- d. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On the top ridge of crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000495993; recordNumber: 974; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus africanus* (Poir.) Robyns & Tournay; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *africanus*; scientificNameAuthorship: (Poir.) Robyns & Tournay; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: crater rim, forest near crater road.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1961-03-04; catalogNumber: K000495992; recordNumber: 5694; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Sporobolus agrostoides* Chiov.

#### Material

- a. scientificName: *Sporobolus agrostoides* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *agrostoides*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mgungu river; verbatimLocality: 2 km upstream from Banagi; minimumElevationInMeters: 1350; decimalLatitude: -2.5; decimalLongitude: 35.333333; eventDate: 1957-01-24; catalogNumber: K000984158; recordNumber: 115; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Sporobolus confinis* (Steud.) Chiov.

#### Nomenclature:

*Sporobolus affinis* A.Rich. | *Sporobolus phyllotrichus* Hochst.

#### Materials

- a. scientificName: *Sporobolus affinis* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *affinis*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: floor, N.E. side; minimumElevationInMeters: 1524; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1965-06-11; catalogNumber: K000984179; recordNumber: 11844; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Sporobolus affinis* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *affinis*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-17; catalogNumber: K000495985; recordNumber: 1646; recordedBy: Heady, AF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus confinis* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *confinis*; scientificNameAuthorship: (Steud.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: S. Northern Tanzania. Hill in Northern Eastern part of crater floor; minimumElevationInMeters: 1900; decimalLatitude: -3.25; decimalLongitude: 35.5; eventDate: 1967-11-26; catalogNumber: K000984180; recordNumber: 167; recordedBy: Braun, HMM; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus confinis* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *confinis*; scientificNameAuthorship: (Steud.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 694; recordNumber: 24303; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus confinis* (Steud.) Chiov.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *confinis*; scientificNameAuthorship: (Steud.) Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: SE part of crater floor.; minimumElevationInMeters: 1750; decimalLatitude: -3.25; decimalLongitude: 35.5; eventDate: 1967-02-25; catalogNumber: K000495984; recordNumber: 160; recordedBy: Braun, HMM; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern Africa & Yemen

### *Sporobolus consimilis* Fresen.

#### Materials

- a. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: West side of Lake Magadi; minimumElevationInMeters: 1432; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1961-04-13; catalogNumber: K000984174; recordNumber: 10045; recordedBy: Greenway, PJ; Tanner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes;

- verbatimLocality: Moru Main Water Holes; decimalLatitude: -2.75; decimalLongitude: 34.75; eventDate: 1956-12-10; catalogNumber: K000984175; recordNumber: 9154; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-07-14; catalogNumber: K000984176; recordNumber: 6173; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: mile 3.7; minimumElevationInMeters: 1493; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-06-03; catalogNumber: K000984177; recordNumber: 10352; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1500; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1977-09-26; catalogNumber: K000984178; recordNumber: 19301; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ologumi; verbatimLocality: Ngorongoro Conservation Area. Collected along dry riverine, ca. 5 km South of Kakesio Village. Ologumi.; minimumElevationInMeters: 1800; decimalLatitude: -3.066; decimalLongitude: 35.05; eventDate: 1993-05-13; catalogNumber: 695; recordNumber: 544; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- g. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Ngorongoro Conservation Area, Olduvai Gorge; minimumElevationInMeters: 1400; decimalLatitude: -2.983; decimalLongitude: 35.35; eventDate: 1993-08-18; catalogNumber: 696; recordNumber: 804; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- h. scientificName: *Sporobolus consimilis* Fresen.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *consimilis*; scientificNameAuthorship: Fresen.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbili; verbatimLocality: Ngorongoro Conservation Area, Olbili (12 km from Endulen).; minimumElevationInMeters: 1400; decimalLatitude: -3.283; decimalLongitude: 35.166; eventDate: 1994-02-17; catalogNumber: 697; recordNumber: 1061; recordedBy:



Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

***Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.**

**Nomenclature:**

*Sporobolus humifusus* (Kunth) Kunth var. *cordofanus* (Hochst. ex Steud.) R.L.Massey

**Materials**

- a. scientificName: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: dam site; minimumElevationInMeters: 1432; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-05; catalogNumber: K000984192; recordNumber: 9985; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olkarien; minimumElevationInMeters: 1371; decimalLatitude: -2.6; decimalLongitude: 35.366667; eventDate: 1962-12-20; catalogNumber: K000984193; recordNumber: 6405; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: Between Gol Kopjes and depressions in north eastern direction; minimumElevationInMeters: 1500; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1967-05-18; catalogNumber: K000984194; recordNumber: 223; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Grumechem; verbatimLocality: E. boundary from Grumechem entrance to Naabi entrance, mile 23; minimumElevationInMeters: 1707; decimalLatitude: -2.3; decimalLongitude: 35.25; eventDate: 1961-05-25; catalogNumber: K000984195; recordNumber: 10329; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*; scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi;

verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.;  
 minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude:  
 35.51548; eventDate: 2012-06-19; catalogNumber: 698; recordNumber: 24313;  
 recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US;  
 collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord:  
 PreservedSpecimen

- f. scientificName: *Sporobolus cordofanus* (Hochst. ex Steud.) Hérincq ex Coss.; kingdom:  
 Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *cordofanus*;  
 scientificNameAuthorship: (Hochst. ex Steud.) Hérincq ex Coss.; continent: Africa;  
 country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river;  
 decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-27;  
 catalogNumber: K000495975; recordNumber: 393; recordedBy: Paulo, S; institutionCode:  
 K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord:  
 PreservedSpecimen

**Distribution:** Tropical Africa

### *Sporobolus coromandelianus* (Retz.) Kunth

#### Material

- a. scientificName: *Sporobolus coromandelianus* (Retz.) Kunth; kingdom: Plantae; family:  
 Poaceae; genus: *Sporobolus*; specificEpithet: *coromandelianus*;  
 scientificNameAuthorship: (Retz.) Kunth; continent: Africa; country: Tanzania;  
 stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National  
 Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651;  
 decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16;  
 catalogNumber: 699; recordNumber: 24269; recordedBy: Peterson, PM; Soreng, RJ;  
 Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium;  
 ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Sporobolus discosporus* Nees

#### Materials

- a. scientificName: *Sporobolus discosporus* Nees; kingdom: Plantae; family: Poaceae;  
 genus: *Sporobolus*; specificEpithet: *discosporus*; scientificNameAuthorship: Nees;  
 continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:  
 Soitayai; verbatimLocality: (Soit Ayai in Serengeti map); decimalLatitude: -2.416667;  
 decimalLongitude: 35.333333; eventDate: 1958-04-23; catalogNumber: K000495977;  
 recordNumber: 363; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium;  
 ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus discosporus* Nees; kingdom: Plantae; family: Poaceae;  
 genus: *Sporobolus*; specificEpithet: *discosporus*; scientificNameAuthorship: Nees;  
 continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:  
 Soitayai; verbatimLocality: (Soit Ayai in Serengeti map); decimalLatitude: -2.416667;  
 decimalLongitude: 35.333333; eventDate: 1958-04-23; catalogNumber: 890;

recordNumber: 363; recordedBy: Paulo, S; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

***Sporobolus festivus* Hochst. ex A.Rich.**

**Materials**

- a. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000984170; recordNumber: 9842; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ikoma; minimumElevationInMeters: 1371; decimalLatitude: -2.066667; decimalLongitude: 34.616667; eventDate: 1954-02-19; catalogNumber: K000984171; recordNumber: 41; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: E. Serengeti; minimumElevationInMeters: 1524; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-07-18; catalogNumber: K000984172; recordNumber: 6183; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, Mile 10; minimumElevationInMeters: 1646; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-27; catalogNumber: K000984173; recordNumber: 9906; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-04; catalogNumber: 700; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst.

ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 701; recordNumber: 24256; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

- g. scientificName: *Sporobolus festivus* Hochst. ex A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *festivus*; scientificNameAuthorship: Hochst. ex A.Rich.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 702; recordNumber: 24289; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

### *Sporobolus fimbriatus* (Nees ex Trin.) Nees

#### **Nomenclature:**

*Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent

#### **Materials**

- a. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Ndabaka Plains; minimumElevationInMeters: 1280; decimalLatitude: -2.116667; decimalLongitude: 34.916667; eventDate: 1956-12-01; catalogNumber: K000984159; recordNumber: 9092; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-20; catalogNumber: K000984165; recordNumber: 9852; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi; verbatimLocality: N.W. of Naabi; decimalLatitude: -2.933333; decimalLongitude: 35.083333; eventDate: 1958-04-24; catalogNumber: K000984166; recordNumber: 370; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality:

- Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 703; recordNumber: 24258; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, Naabi Hill Gate (at 0.5 km N).; minimumElevationInMeters: 1734; decimalLatitude: -2.83139; decimalLongitude: 34.99672; eventDate: 2012-06-16; catalogNumber: 704; recordNumber: 24260; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Mbuzi Mare camp; verbatimLocality: Serengeti National Park, near Mbuzi Mare camp.; minimumElevationInMeters: 1552; decimalLatitude: -2.23332; decimalLongitude: 34.96467; eventDate: 2012-06-17; catalogNumber: 705; recordNumber: 24280; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- g. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1947-10-15; catalogNumber: 887; recordNumber: 1320; recordedBy: Bogdan; collectionCode: Herbarium; ownerInstitutionCode: ?; basisOfRecord: PreservedSpecimen
- h. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K000495986; recordNumber: 6298; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: East Serengeti; decimalLatitude: -2.383333; decimalLongitude: 34.95; eventDate: 1958-04-24; catalogNumber: K000495989; recordNumber: 374; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, road to the water pool, CG01 plot. .36M, 0386088; 9763754 UTM.; minimumElevationInMeters: 1388;

- decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1121; recordNumber: 846; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- k. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; scientificNameAuthorship: (Nees ex Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Seneto east. Localized along the crater wall.; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1994-11-11; catalogNumber: 1122; recordNumber: 5729; recordedBy: Chuwa, S; Amiyo, T; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- l. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: 3 miles W. of the Eastern boundary; minimumElevationInMeters: 1646; decimalLatitude: -2.7; decimalLongitude: 35.433333; eventDate: 1963-2; catalogNumber: K000984160; recordNumber: 10735; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- m. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: S.E. slope of Naabi Hill on the side of the main track; minimumElevationInMeters: 1646; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1962-08-10; catalogNumber: K000984161; recordNumber: 10737; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- n. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti plain entrance of National Park near lake Magadi; minimumElevationInMeters: 1600; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000984167; recordNumber: 5598; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- o. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000495991; recordNumber: 9982; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country:



- Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera, Serengeti.; minimumElevationInMeters: 1463; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000495990; recordNumber: 10189; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- q. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-07-20; catalogNumber: K000495987; recordNumber: 6189; recordedBy: Newbould, JB; Thesiger, WP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- r. scientificName: *Sporobolus fimbriatus* (Nees ex Trin.) Nees var. *latifolius* Stent; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *fimbriatus*; infraspecificEpithet: *latifolius*; scientificNameAuthorship: Stent; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: Eastern boundary, Serengeti, mile 10.6 from the Soitayai road.; minimumElevationInMeters: 1646; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-03-01; catalogNumber: K000495988; recordNumber: 10487; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Sporobolus ioclados* (Trin.) Nees

#### Nomenclature:

*Sporobolus marginatus* Hochst. ex A.Rich. | *Sporobolus verdcourtii* Napper |  
*Sporobolus laetevirens* Coss. | *Sporobolus kentrophyllum* (K.Schum.) Clayton |  
*Sporobolus rangei* Pilg.

#### Materials

- a. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Headwaters; minimumElevationInMeters: 1585; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1956-12-04; catalogNumber: K000984188; recordNumber: 9107; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal swamp; verbatimLocality: Ngorongoro Conservation Area, south-western part of Olbalbal swamp.; minimumElevationInMeters: 1350; decimalLatitude: -3.05; decimalLongitude: 35.466; eventDate: 1994-03-03; catalogNumber: 706; recordNumber: 1095; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen



- c. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo-o-ogol; verbatimLocality: Ngorongoro Conservation Area, Oldonyo-o-ogol.; minimumElevationInMeters: 1700; decimalLatitude: -2.75; decimalLongitude: 35.45; eventDate: 1994-03-07; catalogNumber: 707; recordNumber: 1118; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Musabi plains; verbatimLocality: T1. Serengeti National Park. Musabi plains.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-03-07; catalogNumber: 708; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1294; decimalLatitude: -2.27; decimalLongitude: 34.55; eventDate: 2004-03-09; catalogNumber: 709; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation area Olduvai Gorge.; minimumElevationInMeters: 2250; decimalLatitude: -2.99; decimalLongitude: 35.35; eventDate: 1905-06-19; catalogNumber: 710; recordNumber: s.n.; recordedBy: Phillipson, PB; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- g. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: North east boundary, Mile 15 from Naabi Hill.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: K000722864; recordNumber: 10156; recordedBy: Greenway, PJ; Turner, M; Talbots, TL; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti plain, entrance of National park near Lake Magadi.; minimumElevationInMeters: 1600; decimalLatitude: -2.75; decimalLongitude: 34.833333; eventDate: 1965-03-02; catalogNumber: K000722847; recordNumber: 5597; recordedBy: Leippert, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees;

- continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Mile 10 from Seronera on the Nyaraswega-Banagi Hill circuit.; minimumElevationInMeters: 1417; decimalLatitude: -2.188333; decimalLongitude: 34.835833; eventDate: 1962-05-22; catalogNumber: K000722879; recordNumber: 10652; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Salei Plain; verbatimLocality: West of Salei plains; decimalLatitude: -2.833333; decimalLongitude: 35.666667; eventDate: 1958-04-29; catalogNumber: K000722854; recordNumber: 407; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- k. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ang'ata Salei; minimumElevationInMeters: 1371; decimalLatitude: -2.666667; decimalLongitude: 35.666667; eventDate: 1963-2; catalogNumber: K000722865; recordNumber: 6568; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- l. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000722919; recordNumber: 9843; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- m. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: West of Seronera; minimumElevationInMeters: 1463; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-05-15; catalogNumber: K000495978; recordNumber: 10185; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- n. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Titushi river, mile 14.7; minimumElevationInMeters: 1493; decimalLatitude: -2.534167; decimalLongitude: 34.750278; eventDate: 1961-04-27; catalogNumber: K000722920; recordNumber: 10101; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- o. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ang'ata Salei; verbatimLocality: Watumi, Ang'ata Salei; minimumElevationInMeters: 1524; decimalLatitude: -2.666667; decimalLongitude: 35.666667; eventDate: 1963-12; catalogNumber: K000722922; recordNumber: 6572; recordedBy: Newbould, JB;

- institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: North from Lake Magadi, mile 7 towards Seronera.; minimumElevationInMeters: 1493; decimalLatitude: -2.633333; decimalLongitude: 34.833333; eventDate: 1962-03-06; catalogNumber: K000722903; recordNumber: 10506; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- q. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: In a gorge, north east of Ol Doinyo Lengai.; minimumElevationInMeters: 853; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000722905; recordNumber: 11352; recordedBy: Greenway, PJ; Hunter, H; Hunter; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- r. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; minimumElevationInMeters: 1524; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-03-01; catalogNumber: K000722906; recordNumber: 10480; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- s. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; minimumElevationInMeters: 1250; decimalLatitude: -2.95; decimalLongitude: 35.583333; eventDate: 1958-04-20; catalogNumber: K000722907; recordNumber: 327; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- t. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti; verbatimLocality: South Serengeti.; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-22; catalogNumber: K000495979; recordNumber: 345; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- u. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Seronera to Soitayai, mile 10.; minimumElevationInMeters: 1646; decimalLatitude: -2.333333; decimalLongitude: 34.978333; eventDate: 1961-03-27; catalogNumber: K000722892; recordNumber: 9904; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- v. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality:

- Seronera Lodge; verbatimLocality: Serengeti; minimumElevationInMeters: 1448; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 1961-05-16; catalogNumber: K000722893; recordNumber: 10191; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- w. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta hill; decimalLatitude: -2.75; decimalLongitude: 35.266667; eventDate: 1958-04-22; catalogNumber: K000722890; recordNumber: 349; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- x. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Endarbark; verbatimLocality: Endarbark, Serengeti area.; eventDate: 1958-05-09; catalogNumber: K000722883; recordNumber: 439; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- y. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1341; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-21; catalogNumber: K000722884; recordNumber: 332; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- z. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Moru Kopjes; decimalLatitude: -2.7; decimalLongitude: 34.8; eventDate: 1958-04-27; catalogNumber: K000722885; recordNumber: 391; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- aa. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti plains.; minimumElevationInMeters: 1371; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-03-16; catalogNumber: K000495980; recordNumber: 97; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- ab. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Serengeti plains.; minimumElevationInMeters: 1463; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1954-02-08; catalogNumber: K000495981; recordNumber: 64; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- ac. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality:

Salei Plain; decimalLatitude: -2.833333; decimalLongitude: 35.666667; eventDate: 1958-04-29; catalogNumber: K000495982; recordNumber: 406; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- ad. scientificName: *Sporobolus ioclados* (Trin.) Nees; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *ioclados*; scientificNameAuthorship: (Trin.) Nees; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ang'ata Salei; verbatimLocality: East Serengeti; decimalLatitude: -2.666667; decimalLongitude: 35.666667; eventDate: 1962-11; catalogNumber: K000722867; recordNumber: 236; recordedBy: Oteke, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa, Arabia & Asia

### *Sporobolus macranthelus* Chiov.

#### Nomenclature:

*Sporobolus greenwayi* Napper

#### Materials

- a. scientificName: *Sporobolus greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 2134; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-01-20; catalogNumber: K000984155; recordNumber: 2104; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus greenwayi* Napper; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *greenwayi*; scientificNameAuthorship: Napper; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kimba; verbatimLocality: Ngorongoro Crater rim, S.W. side.; minimumElevationInMeters: 2256; decimalLatitude: -3.25; decimalLongitude: 35.5; eventDate: 1966-07-03; catalogNumber: K000984156; recordNumber: 12526; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus macranthelus* Chiov.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *macranthelus*; scientificNameAuthorship: Chiov.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio River; minimumElevationInMeters: 1700; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1988-04-18; catalogNumber: K000984157; recordNumber: 2631; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Sporobolus nervosus* Hochst.****Materials**

- a. scientificName: *Sporobolus nervosus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *nervosus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai Gorge; verbatimLocality: Ngorongoro Conservation area, 2 km from the south gorge, Oldupai gorge.; minimumElevationInMeters: 1450; decimalLatitude: -2.95; decimalLongitude: 35.166667; eventDate: 1988-04-18; catalogNumber: K000984154; recordNumber: 2636; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus nervosus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *nervosus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olbalbal; decimalLatitude: -2.95; decimalLongitude: 35.283333; eventDate: 1958-04-28; catalogNumber: K000984182; recordNumber: 402; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa & Arabia

***Sporobolus panicoides* A.Rich.****Materials**

- a. scientificName: *Sporobolus panicoides* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *panicoides*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area. Between Endulen Hospital and Ndiyan.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.266; eventDate: 1993-04-22; catalogNumber: 711; recordNumber: 394; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus panicoides* A.Rich.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *panicoides*; scientificNameAuthorship: A.Rich.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio; verbatimLocality: Serengeti, North of Kakesio; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1958-05-03; catalogNumber: K000495976; recordNumber: 428; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa & Yemen



***Sporobolus pellucidus* Hochst.****Materials**

- a. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-18; catalogNumber: K000984162; recordNumber: 9846; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endoinyo Emboleh; minimumElevationInMeters: 1676; decimalLatitude: -3.083333; decimalLongitude: 35.416667; eventDate: 1962-12-14; catalogNumber: K000984163; recordNumber: 6375; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Campi ya Mawi; minimumElevationInMeters: 1554; decimalLatitude: -2.166667; decimalLongitude: 35; eventDate: 1963-01-14; catalogNumber: K000984164; recordNumber: 10943; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus pellucidus* Hochst.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pellucidus*; scientificNameAuthorship: Hochst.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1550; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1967-05-05; catalogNumber: K000984183; recordNumber: 211; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Arabia

***Sporobolus pyramidalis* P.Beauv.****Materials**

- a. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Kirawira Plains; minimumElevationInMeters: 1189; decimalLatitude: -2.166667; decimalLongitude: 34.15; eventDate: 1968-02-20; catalogNumber: K000984184; recordNumber: 13312; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1463;



decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-04-19; catalogNumber: K000984185; recordNumber: 10068; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- c. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tabora; minimumElevationInMeters: 1554; decimalLatitude: -1.816667; decimalLongitude: 34.633333; eventDate: 1961-06-22; catalogNumber: K000984186; recordNumber: 10389; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Kakesio plain; minimumElevationInMeters: 1750; decimalLatitude: -3.316667; decimalLongitude: 35.033333; eventDate: 1988-04-17; catalogNumber: K000984187; recordNumber: 2626; recordedBy: Chuwa, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-04; catalogNumber: 712; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus pyramidalis* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *pyramidalis*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lobo Lodge; verbatimLocality: Serengeti National Park, on top of Lobo Ridge above Lobo Lodge.; minimumElevationInMeters: 1817; decimalLatitude: -1.99967; decimalLongitude: 35.16778; eventDate: 2012-06-17; catalogNumber: 713; recordNumber: 24298; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### *Sporobolus rigidifolius* (Trin.) Mez ex Veldkamp

#### Material

- a. scientificName: *Sporobolus rigidifolius* (Trin.) Mez ex Veldkamp; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *rigidifolius*; scientificNameAuthorship: (Trin.) Mez ex Veldkamp; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 714; recordNumber: 24317; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago,

F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US;  
basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Sporobolus sanguineus* Rendle

### Nomenclature:

*Sporobolus homblei* De Wild.

### Materials

- a. scientificName: *Sporobolus homblei* De Wild.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *homblei*; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Southern shore of Lake Magadi, North - East of Lerai forest, Ngorongoro Crater; minimumElevationInMeters: 1650; decimalLatitude: -3.25; decimalLongitude: 35.5; eventDate: 1967-11-26; catalogNumber: K000984189; recordNumber: 165; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus homblei* De Wild.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *homblei*; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1676; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1962-07-14; catalogNumber: K000984190; recordNumber: 6170; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus homblei* De Wild.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *homblei*; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Engare Nanyuki; verbatimLocality: Serengeti; minimumElevationInMeters: 1768; decimalLatitude: -2.616667; decimalLongitude: 35.216667; eventDate: 1962-11-22; catalogNumber: K000984191; recordNumber: 6297; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus homblei* De Wild.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *homblei*; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Barelamangi salt lick; verbatimLocality: T1; eventDate: 1961-04-30; catalogNumber: K000495997; recordNumber: 10138; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus homblei* De Wild.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *homblei*; scientificNameAuthorship: De Wild.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Hippo pool - Ngorongoro; verbatimLocality: Near Hippo pool, SE side of Ngorongoro crater floor.; decimalLatitude: -3.25; decimalLongitude: 35.583333; eventDate: 1966-07-21; catalogNumber: K000495996; recordNumber: 12594; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus homblei* De Wild.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *homblei*; scientificNameAuthorship: De Wild.; continent:

Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Lowest part of crater floor.; minimumElevationInMeters: 1829; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-01-20; catalogNumber: K000495995; recordNumber: 2105; recordedBy: Vesey-FitzGerald, LDEF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

## *Sporobolus spicatus* (Vahl) Kunth

### Materials

- a. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 715; recordNumber: 24315; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- b. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera dam site; minimumElevationInMeters: 1448; decimalLatitude: -2.433333; decimalLongitude: 34.816667; eventDate: 1961-04-05; catalogNumber: K000765003; recordNumber: 9984; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo Lengai Mt.; verbatimLocality: SE slopes (occurs also on NE slopes & probably on hill sides); minimumElevationInMeters: 1219; maximumElevationInMeters: 1829; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1932-02-02; catalogNumber: K000495983; recordNumber: 286; recordedBy: Clair-Thompson, GN; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olduvai; verbatimLocality: Ngorongoro conservancy area. Olduvai, confluence of main and side gorges. Bottom of gorge, west bank, site of Zinjanthropus.; minimumElevationInMeters: 1500; maximumElevationInMeters: 1520; decimalLatitude: -2.95; decimalLongitude: 35.166667; catalogNumber: K000722994; recordNumber: 19298; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ol Doinyo Lengai; verbatimLocality: East of; minimumElevationInMeters: 914;

- decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1964-03-12; catalogNumber: K000722997; recordNumber: 11350; recordedBy: Greenway, PJ; Hunter, J; Hunter; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldonyo Lengai Mt.; verbatimLocality: At foot of volcano.; minimumElevationInMeters: 914; decimalLatitude: -2.75; decimalLongitude: 35.9; eventDate: 1970-02-26; catalogNumber: K000722986; recordNumber: 25538; recordedBy: Richards, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- g. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; minimumElevationInMeters: 1341; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-21; catalogNumber: K000722992; recordNumber: 330; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- h. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill; verbatimLocality: NE boundary, mile 15 from Naabi hill.; decimalLatitude: -2.883333; decimalLongitude: 35.033333; eventDate: 1961-05-10; catalogNumber: K000765010; recordNumber: 10158; recordedBy: Greenway, PJ; Turner, M; Talbots, TL; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- i. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1463; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1961-05-09; catalogNumber: K000765002; recordNumber: 10151; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- j. scientificName: *Sporobolus spicatus* (Vahl) Kunth; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *spicatus*; scientificNameAuthorship: (Vahl) Kunth; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Gol Kopjes; verbatimLocality: Gol kopjes, mile 8 east of Naabi hill and mile 3 from the eastern boundary.; minimumElevationInMeters: 1646; eventDate: 1962-03-15; catalogNumber: K000765004; recordNumber: 10525; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Sporobolus stapfianus* Gand.****Material**

- a. scientificName: *Sporobolus stapfianus* Gand.; kingdom: Plantae; family: Poaceae; genus: *Sporobolus*; specificEpithet: *stapfianus*; scientificNameAuthorship: Gand.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; verbatimLocality: Between Lake Largaia and Naabi entrance; minimumElevationInMeters: 1500; decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1967-05-15; catalogNumber: K000984181; recordNumber: 214; recordedBy: Braun, HMH; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

***Tetrapogon roxburghiana* (Schult.) P.M.Peterson****Nomenclature:**

*Chloris roxburghiana* Schult

**Materials**

- a. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 03/20/1961; catalogNumber: K000984207; recordNumber: 9851; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; minimumElevationInMeters: 1371; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 02/08/1954; catalogNumber: K000984208; recordNumber: 59; recordedBy: Brooks, GP; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: rest camp; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 04/23/1958; catalogNumber: K000984209; recordNumber: 353; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute Compound; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 05/11/1981; catalogNumber: DB1290; recordNumber: 168; recordedBy: Belsky, PJ; institutionCode:

- SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- e. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Institute; verbatimLocality: Serengeti Research Institute A; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 11/24/1972; catalogNumber: DB1291; recordNumber: s.n.; recordedBy: Unknown; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- f. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti Research Centre.; minimumElevationInMeters: 1550; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 02/09/2004; catalogNumber: 571; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- g. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 03/20/1961; catalogNumber: DB1294; recordNumber: 9851; recordedBy: Greenway, PJ; institutionCode: SWRC; collectionCode: Herbarium; ownerInstitutionCode: SWRC; basisOfRecord: PreservedSpecimen
- h. scientificName: *Chloris roxburghiana* Schult.; kingdom: Plantae; family: Poaceae; genus: *Chloris*; specificEpithet: *roxburghiana*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; minimumElevationInMeters: 1417; decimalLatitude: -2.433333; decimalLongitude: 34.85; eventDate: 02/09/2004; catalogNumber: 1116; recordNumber: 747; recordedBy: Mboya, E; Shombe, H; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Asia

### ***Themeda* sp.**

#### **Material**

- a. scientificName: *Themeda*; kingdom: Plantae; family: Poaceae; genus: *Themeda*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Irmisigiyo; verbatimLocality: Ngorongoro Conservation Area, Irmisigiyo; minimumElevationInMeters: 2350; decimalLatitude: -3.2; decimalLongitude: 35.366; eventDate: 1993-09-30; catalogNumber: 728; recordNumber: 943; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen

***Themeda triandra* Forssk.****Materials**

- a. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Lake Magadi; verbatimLocality: Serengeti, near lake Magadi.; minimumElevationInMeters: 1524; decimalLatitude: -2.633333; decimalLongitude: 34.9; eventDate: 1905-05-18; catalogNumber: 311; recordNumber: 1045L; recordedBy: Brown, ES; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area, Ndeyan 4 km North-west of Endulen Village.; minimumElevationInMeters: 1900; decimalLatitude: -3.2; decimalLongitude: 35.283; eventDate: 1993-07-16; catalogNumber: 719; recordNumber: 699; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- c. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Sendui; verbatimLocality: Ngorongoro Conservation Area Sendui.; minimumElevationInMeters: 2450; decimalLatitude: -2.916; decimalLongitude: 35.7; eventDate: 1993-07-22; catalogNumber: 720; recordNumber: 722; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- d. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oloronyo; verbatimLocality: Ngorongoro Conservation Area, Oloronyo.; minimumElevationInMeters: 2700; decimalLatitude: -3.2; decimalLongitude: 35.35; eventDate: 1993-08-05; catalogNumber: 721; recordNumber: 772; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- e. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Olmekeke; verbatimLocality: Ngorongoro Conservation Area, Olmekeke.; minimumElevationInMeters: 2100; decimalLatitude: -3.166; decimalLongitude: 35.283; eventDate: 1993-09-21; catalogNumber: 722; recordNumber: 918; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen
- f. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oltebesi; verbatimLocality: Ngorongoro Conservation Area, Oltebesi above Ndiyan village; minimumElevationInMeters: 2100; decimalLatitude: -3.166; decimalLongitude: 35.283; eventDate: 1993-09-29; catalogNumber: 723; recordNumber: 932; recordedBy: Ellemann, L; institutionCode: AAU; collectionCode: Herbarium; ownerInstitutionCode: AAU; basisOfRecord: PreservedSpecimen



- g. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti National Park; verbatimLocality: T1. Serengeti National Park. Ndabaka-Seronera Road.; minimumElevationInMeters: 1297; decimalLatitude: -2.28; decimalLongitude: 34.5; eventDate: 2004-02-07; catalogNumber: 724; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- h. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 725; recordNumber: 10; recordedBy: Metele, P; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- i. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Shinyanga; locality: Naabi Hill Gate; verbatimLocality: Serengeti National Park, at 12 km NW of Naabi Hill Gate.; minimumElevationInMeters: 1651; decimalLatitude: -2.73597; decimalLongitude: 34.95284; eventDate: 2012-06-16; catalogNumber: 726; recordNumber: 24273; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- j. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Ngorongoro Conservation Area, rim of Ngorongoro Crater (descent gate).; minimumElevationInMeters: 2168; decimalLatitude: -3.15462; decimalLongitude: 35.47717; eventDate: 2012-06-19; catalogNumber: 727; recordNumber: 24310; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen
- k. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera airdrome; verbatimLocality: Musoma district.; minimumElevationInMeters: 1524; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1958-04-18; catalogNumber: K000748908; recordNumber: 293; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- l. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-17; catalogNumber: K000748918; recordNumber: 9835; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- m. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Lake Lagarja;

- verbatimLocality: Ngorongoro conservation area, Serengeti NP, southern edge of Lake Lagarka (=Ndutu); decimalLatitude: -3; decimalLongitude: 35.033333; eventDate: 1977-10-01; catalogNumber: K000748930; recordNumber: 19343; recordedBy: Raynal, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- n. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: On top ridge of Ngorongoro crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1938-06-24; catalogNumber: K000748933; recordNumber: 971; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- o. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro; minimumElevationInMeters: 2286; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1935-1; catalogNumber: K000748955; recordNumber: 95; recordedBy: Moreau; Moreau; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- p. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-04-19; catalogNumber: K000748909; recordNumber: 316; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- q. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: Growing on plains at bottom of crater.; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1958-06-24; catalogNumber: K001087191; recordNumber: 944; recordedBy: Pole Evans, IB; Erens, J; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- r. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Empakai Crater; verbatimLocality: Embagai; minimumElevationInMeters: 1524; maximumElevationInMeters: 1829; decimalLatitude: -2.933333; decimalLongitude: 35.816667; eventDate: 1932-02-05; catalogNumber: K001087192; recordNumber: 413; recordedBy: Clair-Thompson, GN; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- s. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; verbatimLocality: T2. Ngorongoro Crater, Misigiyo, 15.1 km from NCAA headquarters; minimumElevationInMeters: 2270; decimalLatitude: -3; decimalLongitude: 35; eventDate: 1997-06-17; catalogNumber: 1110; recordNumber: 10; recordedBy: Metele, P; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

- t. scientificName: *Themeda triandra* Forssk.; kingdom: Plantae; family: Poaceae; genus: *Themeda*; specificEpithet: *triandra*; scientificNameAuthorship: Forssk.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, Robanda village, road to the water pool, CG01 plot, 36M 0386088, 9763754 UTM; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1157; recordNumber: 819C; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

### ***Trachypogon spicatus* (L.f.) Kuntze**

#### **Materials**

- a. scientificName: *Trachypogon spicatus* (L.f.) Kuntze; kingdom: Plantae; family: Poaceae; genus: *Trachypogon*; specificEpithet: *spicatus*; scientificNameAuthorship: (L.f.) Kuntze; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, mile 55.3; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087190; recordNumber: 10200; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- b. scientificName: *Trachypogon spicatus* (L.f.) Kuntze; kingdom: Plantae; family: Poaceae; genus: *Trachypogon*; specificEpithet: *spicatus*; scientificNameAuthorship: (L.f.) Kuntze; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Karawera; verbatimLocality: Seronera to Karawera guard post, Mile 55.; minimumElevationInMeters: 1219; eventDate: 1961-04-24; catalogNumber: K001087189; recordNumber: 10088; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa & Americas

### ***Tragus* sp.**

#### **Material**

- a. scientificName: *Tragus*; kingdom: Plantae; family: Poaceae; genus: *Tragus*; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lake Magadi; verbatimLocality: Ngorongoro Conservation Area, W side of Lake Magadi.; minimumElevationInMeters: 1739; decimalLatitude: -3.17713; decimalLongitude: 35.51548; eventDate: 2012-06-19; catalogNumber: 730; recordNumber: 24314; recordedBy: Peterson, PM; Soreng, RJ; Romaschenko, K; Mbago, F; institutionCode: US; collectionCode: Herbarium; ownerInstitutionCode: US; basisOfRecord: PreservedSpecimen

***Tragus berteronianus* Schult.****Materials**

- a. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Research Centre; verbatimLocality: T1. Serengeti National Park. Serengeti Research Centre. Tawiri Hostel.; minimumElevationInMeters: 1551; decimalLatitude: -2.38; decimalLongitude: 34.85; eventDate: 2004-03-04; catalogNumber: 729; recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- b. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; verbatimLocality: Serengeti; minimumElevationInMeters: 1554; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1961-03-21; catalogNumber: K001087176; recordNumber: 9864; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Salei Plain; verbatimLocality: West of Salei plain.; decimalLatitude: -2.833333; decimalLongitude: 35.666667; eventDate: 1958-04-29; catalogNumber: K001087177; recordNumber: 408; recordedBy: Paulo, S; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Tragus berteronianus* Schult.; kingdom: Plantae; family: Poaceae; genus: *Tragus*; specificEpithet: *berteronianus*; scientificNameAuthorship: Schult.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Robanda village; verbatimLocality: Serengeti district, road to the water pool, CG01 plot. .36M, 0386088; 9763754 UTM.; minimumElevationInMeters: 1388; decimalLatitude: -2.083333; decimalLongitude: 34.666667; eventDate: 2003-01-28; catalogNumber: 1123; recordNumber: 817; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Widespread

***Tricholaena teneriffae* (L.f.) Link****Materials**

- a. scientificName: *Tricholaena teneriffae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *teneriffae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Oldiang'arangar; verbatimLocality: East Serengeti; minimumElevationInMeters: 2134; decimalLatitude: -2.8; decimalLongitude: 35.416667; eventDate: 1962-11-19; catalogNumber: K001087187; recordNumber: 6266; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Tricholaena teneriffae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *teneriffae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti Central Plains; verbatimLocality: Serengeti central plains, NE side.; minimumElevationInMeters: 1676; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-04; catalogNumber: K001087186; recordNumber: 10697; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Tricholaena teneriffae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *teneriffae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Tutiahi river; verbatimLocality: NW of Tutiahi river, near the Lake Magadi Track.; minimumElevationInMeters: 1402; eventDate: 1962-12-22; catalogNumber: K001087185; recordNumber: 10904; recordedBy: Greenway, PJ; Turner, M; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Tricholaena teneriffae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *teneriffae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Lemuta; verbatimLocality: East Serengeti; minimumElevationInMeters: 1707; decimalLatitude: -2.7; decimalLongitude: 35.266667; eventDate: 1962-07-16; catalogNumber: K001087184; recordNumber: 6179; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- e. scientificName: *Tricholaena teneriffae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *teneriffae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Ngorongoro Crater; decimalLatitude: -3.166667; decimalLongitude: 35.583333; eventDate: 1959-02-16; catalogNumber: K001087183; recordNumber: 1631; recordedBy: Heady, HF; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- f. scientificName: *Tricholaena teneriffae* (L.f.) Link; kingdom: Plantae; family: Poaceae; genus: *Tricholaena*; specificEpithet: *teneriffae*; scientificNameAuthorship: (L.f.) Link; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera river; verbatimLocality: Headwaters of the Seronera river, Musoma district. On the northern side of the Serengeti Central Plains.; minimumElevationInMeters: 1463; decimalLatitude: -2.333333; decimalLongitude: 34.833333; eventDate: 1962-06-13; catalogNumber: K001087188; recordNumber: 10718; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Africa, Asia & Europe

## ***Trichoneura ciliata* (Peter) S.M.Phillips**

### **Materials**

- a. scientificName: *Trichoneura ciliata* (Peter) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Trichoneura*; specificEpithet: *ciliata*; scientificNameAuthorship: (Peter) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, Mile 55.;

minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: K001087178; recordNumber: 10196; recordedBy: Greenway, PJ; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

- b. scientificName: *Trichoneura ciliata* (Peter) S.M.Phillips; kingdom: Plantae; family: Poaceae; genus: *Trichoneura*; specificEpithet: *ciliata*; scientificNameAuthorship: (Peter) S.M.Phillips; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera-Klein's camp; verbatimLocality: Seronera to Klein's camp, Mile 55.; minimumElevationInMeters: 1768; decimalLatitude: -1.769167; decimalLongitude: 35.3975; eventDate: 1961-05-17; catalogNumber: 895; recordNumber: 10196; recordedBy: Greenway, PJ; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen

**Distribution:** Tanzania, Ethiopia & Kenya

### *Tripogon minimus* (A.Rich.) Hochst. ex Steud.

#### Materials

- a. scientificName: *Tripogon minimus* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Tripogon*; specificEpithet: *minimus*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 35.833333; eventDate: 1968-12-19; catalogNumber: 783; recordNumber: 322; recordedBy: Braun, HMH; institutionCode: EA; collectionCode: Herbarium; ownerInstitutionCode: EA; basisOfRecord: PreservedSpecimen
- b. scientificName: *Tripogon minimus* (A.Rich.) Hochst. ex Steud.; kingdom: Plantae; family: Poaceae; genus: *Tripogon*; specificEpithet: *minimus*; scientificNameAuthorship: (A.Rich.) Hochst. ex Steud.; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera; minimumElevationInMeters: 1500; decimalLatitude: -2.45; decimalLongitude: 34.833333; eventDate: 1968-12-19; catalogNumber: K001087180; recordNumber: 322; recordedBy: Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen

**Distribution:** Tropical Africa

### *Urochloa brachyura* (Hack.) Stapf

#### Nomenclature:

*Urochloa geniculata* C.E.Hubb

#### Materials

- a. scientificName: *Urochloa brachyura* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *brachyura*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Seronera Lodge; verbatimLocality: T1. Area around Frankfurt Zoological Society Headquarters and Seronera Lodge.; minimumElevationInMeters: 1512; decimalLatitude: -2.44; decimalLongitude: 34.82; eventDate: 2004-02-09; catalogNumber: 731;

- recordNumber: s.n.; recordedBy: Mboya, E; institutionCode: MO; collectionCode: Herbarium; ownerInstitutionCode: MO; basisOfRecord: PreservedSpecimen
- b. scientificName: *Urochloa brachyura* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *brachyura*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Togoro Plains; minimumElevationInMeters: 1463; decimalLatitude: -2.166667; decimalLongitude: 34.916667; eventDate: 1968-02-28; catalogNumber: K001087181; recordNumber: 13344; recordedBy: Greenway, PJ; Kanuri; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- c. scientificName: *Urochloa brachyura* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *brachyura*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Banagi Hill; verbatimLocality: Roadside south east of Banagi Hill; minimumElevationInMeters: 1400; decimalLatitude: -2.3; decimalLongitude: 34.833333; eventDate: 1967-03-31; catalogNumber: K001087182; recordNumber: 198; recordedBy: Braun, H; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen
- d. scientificName: *Urochloa brachyura* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *brachyura*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Along the road to TAWIRI research centre, 36M, 0360699, 9732458 UTM.; minimumElevationInMeters: 1519; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-02-02; catalogNumber: 1140; recordNumber: 934; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen
- e. scientificName: *Urochloa brachyura* (Hack.) Stapf; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *brachyura*; scientificNameAuthorship: (Hack.) Stapf; continent: Africa; country: Tanzania; stateProvince: Mara; county: Serengeti; locality: Serengeti NP; verbatimLocality: Along the road to TAWIRI research centre, 36M, 0360699, 9732458 UTM.; minimumElevationInMeters: 1519; decimalLatitude: -2.25; decimalLongitude: 34.333333; eventDate: 2003-02-02; catalogNumber: 1164; recordNumber: 934; recordedBy: Mollel, NP; Rusch, GM; Mwakalebe, G; institutionCode: NHT; collectionCode: Herbarium; ownerInstitutionCode: NHT; basisOfRecord: PreservedSpecimen

**Distribution:** Eastern & Southern Africa

### *Urochloa panicoides* P.Beauv.

#### Material

- a. scientificName: *Urochloa panicoides* P.Beauv.; kingdom: Plantae; family: Poaceae; genus: *Urochloa*; specificEpithet: *panicoides*; scientificNameAuthorship: P.Beauv.; continent: Africa; country: Tanzania; stateProvince: Arusha; county: Ngorongoro; locality: Endulen; verbatimLocality: Ngorongoro Conservation Area; minimumElevationInMeters: 1829; decimalLatitude: -3.183333; decimalLongitude: 35.15; eventDate: 1963-1; catalogNumber: K000984118; recordNumber: 5512; recordedBy: Newbould, JB; institutionCode: K; collectionCode: Herbarium; ownerInstitutionCode: K; basisOfRecord: PreservedSpecimen



**Distribution:** Widespread

## Analysis

### Species

In total 939 herbarium specimens, housed in six herbaria were digitised for the SER. These represented 200 species from 77 genera. The most frequently collected species was *Sporobolus ioclados* (Trin.) Nees with 30 specimens (Table 1). Twenty species are known from ten or more herbarium specimens. However 54 species in the SER are only known from one herbarium record. The most commonly collected genus was *Sporobolus*, followed by *Panicum* and *Pennisetum* (Table 2). Most grass species recorded from the SER have a widespread distribution across Tropical Africa with only one Tanzanian endemic species recorded, *Apochiton burtii* C.E.Hubb. One species has not been recorded in mainland Africa before (*Bothriochloa pertusa* (L.) A.Camus), and this could be a new introduction or a possible misidentification and needs further investigation. We have not been able to verify reported records of *Aristida pilgeri* Henrad and *Digitaria milanijana* (Rendle) Stapf and these species are not included in the checklist.

Table 1.

The top ten commonly collected species in the Serengeti Ecosystem Region

| Species  | Number of specimens |
|--|---------------------|
| <i>Sporobolus ioclados</i> (Trin.) Nees                | 30                  |
| <i>Cenchrus ciliaris</i> L.                            | 22                  |
| <i>Chloris gayana</i> Kunth                            | 22                  |
| <i>Eleusine jaegeri</i> Pilg.                          | 21                  |
| <i>Aristida adoensis</i> Hochst.                       | 18                  |
| <i>Aristida kenyensis</i> Henrad                       | 18                  |
| <i>Themeda triandra</i> Forssk.                        | 18                  |
| <i>Digitaria abyssinica</i> (Hochst. ex A.Rich.) Stapf | 17                  |
| <i>Sporobolus fimbriatus</i> (Nees ex Trin.) Nees      | 16                  |
| <i>Panicum coloratum</i> L.                            | 14                  |

Table 2.

The top ten commonly collected genera in the Serengeti Ecosystem Region

| Genus             | Number of specimens |
|-------------------|---------------------|
| <i>Sporobolus</i> | 119                 |
| <i>Panicum</i>    | 65                  |
| <i>Pennisetum</i> | 59                  |
| <i>Eragrostis</i> | 57                  |
| <i>Aristida</i>   | 47                  |
| <i>Setaria</i>    | 45                  |
| <i>Digitaria</i>  | 41                  |
| <i>Chloris</i>    | 39                  |
| <i>Brachiaria</i> | 36                  |
| <i>Eleusine</i>   | 27                  |

### Collectors

Gustav Albert Peter collected the first ever grass specimen from the Ngorongoro crater in July 1926 (the type of *Eragrostis polysperma*, now accepted as *E. cilianensis* (All.) Janch.). The first Serengeti National Park grass specimen was not collected until October 1947 by Alexey Bogdan (*Sporobolus fimbriatus* (Nees ex Trin.) Nees). In total there were 66 different principal collectors of herbarium specimens. However one collector, Peter Greenway collected 250 specimens from SER, 26% of the total (Table 3). Due to Greenway's collecting efforts along with John Newbould the 1960's was the most prolific decade for collecting with over 350 specimens. Four type specimens were collected from SER, three with Greenway as the principal collector.

Table 3.

Principal collectors with highest numbers of specimens collected

| Principal collector | Years of collections | Number of specimens collected (% of total specimens) |
|---------------------|----------------------|--|
| Greenway, P.J.      | 1956-1968            | 250 (28%)  |
| Ellemann, L.        | 1993-1994            | 79 (9%)  |
| Peterson, P.M.      | 2012                 | 70 (8%)  |
| Newbould, J.B.      | 1962-1965            | 66 (7%)  |
| Paulo, S.           | 1958                 | 65 (7%)  |

## Collecting intensity across SER

Specimens have been collected across the SER (Fig. 1) but there has been a collecting bias towards certain areas. For example 124 herbarium specimens have been collected in the area around the Serengeti Wildlife Research Centre and 103 specimens from the Ngorongoro Crater. The five smaller reserves (Maswa, Grumeti, Ikoma, Ikorongo and Loliondo) have few collections compared to the Serengeti National Park and the Ngorongoro Conservation Area.

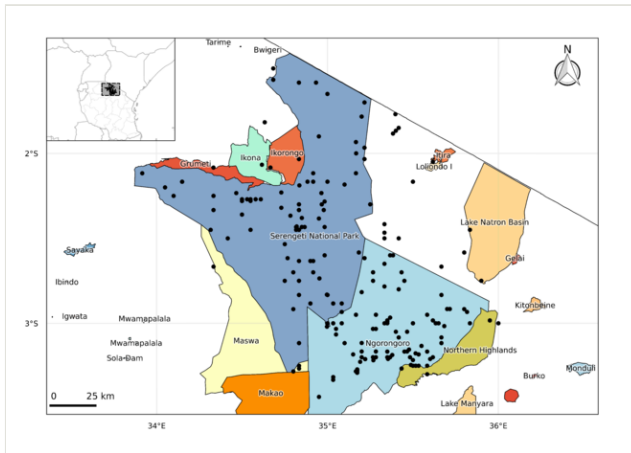


Figure 1.

Distribution of grass specimens within the Serengeti Ecosystem Region

## Discussion

The SER has a comparable number of grass species to other Tanzania National Parks with 200 species. The Selous Game Reserve checklist (Vollesen 1980) recorded 239 species of Poaceae and the Mkomazi National Park (Vollesen et al. 1999) recorded 123 species. There is also a similar low level of endemism with only one Tanzanian endemic species found in the SER, one Tanzanian endemic in the Selous Game Reserve and no endemic species in the Mkomazi National Park. In this checklist over a quarter of species are only known from one herbarium specimen. Further research into these species is required, to determine whether they are genuinely rare or merely undercollected. The digitisation of grasses from East African herbaria, Kew and using GBIF records allowed us to find records of these undercollected species: if the checklist had been produced with only East African or only European herbarium specimens then some of these species would have been missed.

The checklist allows researchers to see which species have been commonly collected by botanists but there may be some bias. There is a strong bias in the places that botanists have collected with high numbers of specimens from near the Serengeti Wildlife Research

Institute and at the Ngorongoro Crater but there also could be a bias towards collection of the most attractive or well known species.

## Acknowledgements

The authors thank Tim Pearce and Kaj Vollesen for supporting JEN visit to Kew; Simon Kangethe and John Kimeu for contributing specimen data from EA and answering queries; digitisation staff at NHT and EA for data entry and georeferencing work; research staff at the Serengeti Wildlife Research Centre and finally Michael T Anderson and James Probert for contributing unpublished species lists for the Serengeti to allow us to ensure we had not missed any species for this checklist.

## Author contributions

EW, JEN and MV designed research, JEN and EW collected data, EW, PF and MV analysed data, EW and MV wrote the paper and all authors commented on paper.

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## Supplementary material

### Suppl. material 1: Checklist of Serengeti Ecosystem Grasses

**Authors:** E.V.Williams, J. Elia Ntandu, P.Ficinski & M.Vorontsova

**Data type:** Species occurrences

**Brief description:** Checklist of species with species names including authorities, place of publication, global distribution and specimen citation (locality collected, principal collector, collector's number and herbaria duplicates).

**Filename:** Checklist of Serengeti Ecosystem Grasses\_supplementaryfile.pdf - [Download file](#) (504.67 kb)