

A check list of the plant species at the site of the Kenya and Japan Social Forestry Training Project, Kitui, Kenya

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A botanical survey aimed at compiling a checklist of the common plants from the site, and its surrounding, of the Kenya and Japan Social Forestry Training Project, Kitui, Kenya, was conducted in 1989 and 1990. The purpose of the checklist was to provide basic information for an ecological study of the area. A checklist of plants arranged alphabetically by scientific names and with their local Kamba names is presented. In addition, a separate list of local names arranged alphabetically is also included to facilitate cross-reference.

Key words: Kenya, drought deciduous woodland, Kamba-language

INTRODUCTION

The site of the Kenya and Japan Social Forestry Training Project Kitui is located at ca. 01° 06' S and 38°E at about 1,088 m above sea level (Fig. 1). The rainfall distribution is bimodal with peaks of short rains in March/April and long rains in November/December and with annual mean temperature of 20°C and total precipitation of 800 mm (Fig. 2). This places the site in agro-climatic zone (v) which is semi-arid, characterised by a medium to low plant growth potential (Sombroek et al 1980). The area is inhabited by the Kamba ethnic community who grow subsistence crops such as maize, beans, pigeon peas, cassava etc. but also keep cattle, goats, sheep as well as donkeys, the latter mainly for transport. The predominant vegetation type is that of *Acacia-Commiphora* wooded bushland (Pratt et al 1966). The actual vegetation however is dominated by *Commiphora africana* and *Lannea triphylla* which have been left uncut since they are unsuitable for either timber or firewood.

METHOD

Plant specimens were collected in and around the site of the Kenya and Japan Social Forestry Training Project at Kitui and identified using the Kenya Trees and Shrubs (Dale and Greenway 1961) and the Upland Kenya Wild Flowers (Agnew 1974). The local names were given by the local informants from the Kamba tribe. Specimens were pressed and dried and later confirmed at the East African Herbarium, Nairobi. The local names and spellings were verified and counter checked by specimens by a research officer who is a native of Kitui.

RESULTS

A total of 133 plant species in 92 genera distributed in 48 families were recorded as the most common plants comprising the vegetation at the vicinity of the Kenya and Japan Social Forestry Training Project at Kitui. These were tabulated into a checklist, which is appended in this paper.

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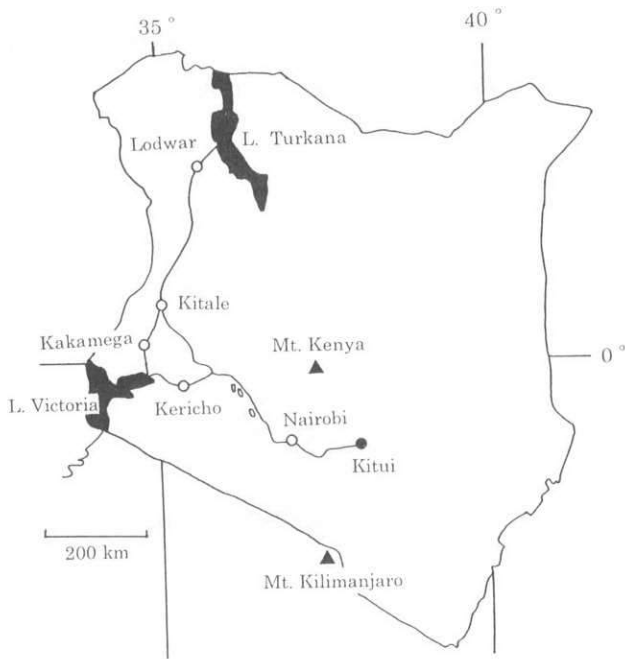


Fig. 1. The location (solid circle) where plant specimens were collected in Kitui, Kenya.

(KEFRI), for preparing the meteorological data and Mr. M.T.E. Mbuvi for verifying and checking the spellings of the local Kamba names.

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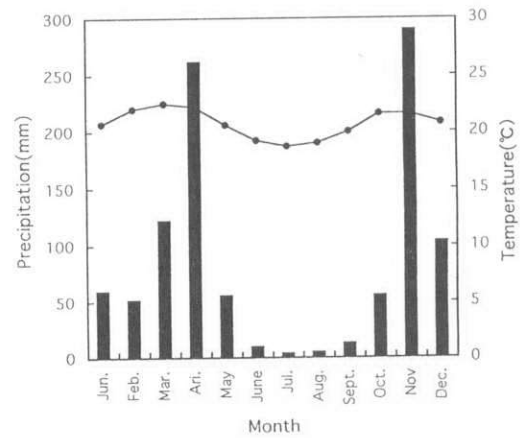


Fig. 2. Temperature and precipitation at Kitui, Kenya (1°22'lat., 38°long. and 1088 m alt.) during 1963-1979.

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Appendix 1. Scientific names alphabetically listed.

Species name	Family name	Local name in Kamba
<i>Acacia brevispica</i> Harms ssp. <i>brevispica</i>	Mimosaceae	Mukuswi
<i>Acacia mellifera</i> (Vahl) Benth.	Mimosaceae	Muthiia
<i>Acacia nilotica</i> (L.) Del.	Mimosaceae	Musemei
<i>Acacia reficiens</i> Wawra ssp. <i>misera</i> (Vatke) Brenan	Mimosaceae	
<i>Acacia senegal</i> (L.) Willd.	Mimosaceae	Mung'ole
<i>Acacia tortilis</i> (Forssk.) Hayne	Mimosaceae	Mwaa
<i>Acalypha fruticosa</i> Forssk.	Euphorbiaceae	Mukulua
<i>Acanthospermum hispidum</i> DC.	Compositae	Ikongo
<i>Achyranthes aspera</i> L.	Amaranthaceae	Utheke
<i>Albizia amara</i> (Roxb.) Boiv.	Mimosaceae	Mwoa
<i>Albizia anthelmintica</i> Brongn.	Mimosaceae	Mwoa-syo-kinai
<i>Arundinaria alpina</i> K.Schum.	Gramineae	Muangi
<i>Aspilia mossambicensis</i> (Oliv.) Willd.	Compositae	Muuti
<i>Azanza garckeana</i> (F.Hoffm.) Exell & Hillcoat	Malvaceae	Mutoo
<i>Balanites aegyptiaca</i> (L.) Del	Balanitaceae	Mululuwi
<i>Balanites glabra</i> Mildbr & Schlecht.	Balanitaceae	Mululuwi
<i>Boscia angustifolia</i> A.Rich.	Capparaceae	Mululi
<i>Boscia coriacea</i> Pax.	Capparaceae	Isivu
<i>Boswellia neglecta</i> S.Moore	Burseraceae	Kinondo
(<i>B. hildebrandtii</i> Engl.)		
<i>Capparis tomentosa</i> Lam.	Capparaceae	Kitandambo
<i>Carica papaya</i> L.	Caricaceae	Muvavai
<i>Carissa edulis</i> (Forssk.) Vahl	Apocynaceae	Mutote/, Mukawa
<i>Casuarina equisetifolia</i> L.	Casuarinaceae	—
<i>Chloris roxburghiana</i> Schult.	Gramineae	—
<i>Clerodendrum eriophyllum</i> Guerke	Verbenaceae	Muumba
<i>Commiphora africana</i> (A.Rich.) Engl.	Burseraceae	Itungu, Mutungu
<i>Commiphora baluensis</i> Engl.	Burseraceae	Itula, Mutula
<i>Commiphora campestris</i> Engl.	Burseraceae	—
(<i>C. scheffleri</i> Engl.)		
<i>Commiphora eminii</i> Engl. ssp.		
<i>zimmermannii</i> (Engl.) Gillett	Burseraceae	Mutunguka
(<i>C. zimmermannii</i> Engl.)		
<i>Commiphora habessinica</i> (O.Berg) Engl.	Burseraceae	Muondu, Kitungati
(<i>C. madagascariensis</i> Jacq.)		
<i>Commiphora mildbraedii</i> Engl.	Burseraceae	Itongwa
(<i>C. riparia</i> Engl.)		
<i>Commiphora rostrata</i> Engl. var. <i>rostrata</i>	Burseraceae	Inywa manzi
<i>Commiphora schimperi</i> (O.Berg) Engl.	Burseraceae	Mutungu
(<i>C. buraensis</i> Engl., <i>C. trothae</i> Engl.)		
<i>Commiphora samharenis</i> Schweinf.		
ssp. <i>terebinthina</i> (Vollesen) Gillett	Burseraceae	—
<i>Cordia sinensis</i> Lam.	Boraginaceae	Kithea, Muthea
(<i>C. gharaf</i> (Forssk.) Aschers)		
<i>Cordia monoica</i> Roxb.	Boraginaceae	Muthiia
(<i>C. ovalis</i> DC)		
<i>Crotalaria scassellattii</i> Chiov	Papilionaceae	—
<i>Croton macrostachyus</i> Del.	Euphorbiaceae	Mwalula
<i>Croton megalocarpus</i> Hutch.	Euphorbiaceae	Muthulu
<i>Cupressus lusitanica</i> Mill.	Cupressaceae	—
<i>Cynium cameronianum</i> (Oliv.) Engl.	Scrophulariaceae	—
<i>Dalbergia melanoxylon</i> Guill. & Perr.	Papilionaceae	Muvingo
<i>Delonix elata</i> (L.) Gamble	Caesalpiniaceae	Muange
<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	Mimosaceae	Munoo mathoka
<i>Digitaria macroblephala</i> (Hack) St.	Gramineae	—
<i>Disperma kilimandscharicum</i>		
(Lindau) Dayton	Acanthaceae	—
<i>Endoslemon tereticaulis</i> (Poir.) Ashby	Labiatae	Muuta
<i>Entada leptostachya</i> Harms	Mimosaceae	Mwaittha
<i>Enteropogon macrostachus</i>		
(Hochst.) A. Rich.	Gramineae	—

Appendix 1. (Continued)

<i>Eragrostis rigidior</i> Pilg.	Gramineae	Koluka na nzi
<i>Erythrina abyssinica</i> DC.	Papilionaceae	Kivuti
<i>Euclaea racemosa</i> Murr. ssp. <i>schimperii</i> (A. DC.) F. White (<i>E. schimperii</i> A. DC.)	Ebenaceae	Mukinyai
<i>Euphorbia candelabrum</i> Kotschy	Euphorbiaceae	Kyaa
<i>Euphorbia scheffleri</i> Pax	Euphorbiaceae	Kilembwa
<i>Euphorbia tirucalli</i> L.	Euphorbiaceae	Ndau
<i>Evolvulus alsinoides</i> (L.) L.	Convolvulaceae	Mutwa-iteta
<i>Faurea saligna</i> Harv.	Proteaceae	—
<i>Ficus sur</i> Forssk. (<i>F. capensis</i> Thunb.)	Moraceae	Muumo
<i>Ficus vasta</i> Forssk. (<i>F. wakefieldii</i> Hutch.)	Moraceae	Muumbu
<i>Flueggea virosa</i> (Willd.) Voigt. (<i>Securinea virosa</i> (Willd.) Baill.)	Euphorbiaceae	Mukululu
<i>Gnidia latifolia</i> (Oliv.) Gilg (<i>Lasiosiphon latifolius</i> (Oliv.) Brenan)	Thymeleaceae	Muthila, Musinziili
<i>Grewia bicolor</i> Juss.	Tiliaceae	Mulawa
<i>Grewia ectasicarpa</i> S. Moore	Tiliaceae	Mutuva
<i>Grewia mollis</i> Juss.	Tiliaceae	—
<i>Grewia similis</i> K. Schum.	Tiliaceae	Mutuva
<i>Grewia tembensis</i> Fres.	Tiliaceae	Mutuva
<i>Grewia villosa</i> Willd.	Tiliaceae	Muvu
<i>Gutenbergia cordifolia</i> Benth.	Compositae	Kameawioo
<i>Helichrysum glumaceum</i> DC.	Compositae	—
<i>Hermannia oliveri</i> K. Schum.	Sterculiaceae	Ughuundu
<i>Heteropogon contortus</i> (L.) Roem & Schult.	Gramineae	—
<i>Hibiscus micranthus</i> L. f.	Malvaceae	Mulalambila
<i>Hypoestes verticillaris</i> (Linn. f.) Roem & Schult.	Acanthaceae	—
<i>Indigofera arrecta</i> A. Rich.	Papilionaceae	Musuusuu
<i>Indigofera spinosa</i> Forssk.	Papilionaceae	—
<i>Indigofera vohemarensis</i> Baill.	Papilionaceae	Lung'uyu
<i>Indigofera volkensii</i> Taub.	Papilionaceae	—
<i>Ipomoea obscura</i> (L.) Ker-Gawl.	Convolvulaceae	Lithuyi
<i>Justicia diclipteroides</i> Lindau	Acanthaceae	—
<i>Kigelia africana</i> (Lam.) Benth.	Bignoniaceae	Kiatine
<i>Lannea schweinfurthii</i> (Engl.) Engl. var. <i>stuhlmannii</i> (Engl.) Kokw.	Anacardiaceae	Muasi
<i>Lannea triphylla</i> (A. Rich.) Engl.	Anacardiaceae	Muthaalwa
<i>Lantana viburnoides</i> (Forssk.) Vahl	Verbenaceae	Muvisavisi
<i>Maerua angolensis</i> DC.	Capparaceae	Mukolekya
<i>Maerua decumbens</i> (Brongn.) De Wolf (<i>M. subcordata</i> (Gilg) De Wolf)	Capparaceae	Kinaatha
<i>Mangifera indica</i> L.	Anacardiaceae	Muembe
<i>Maytenus putterlickioides</i> (Loes.) Exell & Mendonca	Celastraceae	Muthunzi
<i>Melia volkensii</i> Guerke	Meliaceae	Mukau
<i>Newtonia hildebrandii</i> (Vatke) Torre var. <i>hildebrandii</i>	Mimosaceae	Mukame
<i>Ochna ovata</i> F. Hoffm.	Ochnaceae	Mutandi
<i>Ocimum basilicum</i> L.	Labiatae	Mutaa
<i>Ocimum suave</i> Willd.	Labiatae	Mukandu
<i>Ocimum kilimandscharicum</i> Guerke	Labiatae	—
<i>Odontella fischeri</i> (Engl.) Balle	Loranthaceae	—
<i>Ormocarpum kirkii</i> S. Moore	Papilionaceae	Muthingii
<i>Oxygonum sinuatum</i> (Meisn.) Dammer	Polygonaceae	Songe
<i>Pavonia arabica</i> Boiss.	Malvaceae	—
<i>Pavonia elegans</i> Boiss.	Malvaceae	—
<i>Pavonia patens</i> (Andr.) Chiov.	Malvaceae	—
<i>Phoenix reclinata</i> Jacq.	Palmae	Makindu
<i>Ptilostigma thonningii</i> (Schumach.) Milne-Redh.	Caesalpiniaceae	Mukolokolo
<i>Plumbago zeylanica</i> L.	Plumbaginaceae	Mungaatha
<i>Premna oligotricha</i> Bak.	Verbenaceae	Mukakaa

Appendix 1. (Continued)

<i>Psidium guajava</i> L.	Myrtaceae	Muvela
<i>Pupalia lappacea</i> (L.) Juss. var. <i>velutina</i> (Moq.) Hook. f.	Amaranthaceae	Kyaamata
<i>Rhus natalensis</i> Krauss	Anacardiaceae	Muthuku, Muthu
<i>Salvadora persica</i> L.	Salvadoraceae	Mukayau
<i>Senna longiracemosa</i> (Vatke) Lock (<i>Cassia longiracemosa</i> Vatke)	Caesalpiniaceae	Munyungamai
<i>Senna siamea</i> (Lam.) Irwin & Barneby (<i>Cassia siamea</i> Lam.)	Caesalpiniaceae	"Mukengeeka"
<i>Senna spectabilis</i> (DC.) Irwin & Barneby (<i>Cassia spectabilis</i> DC.)	Caesalpiniaceae	"Mukengeeka"
<i>Solanum incanum</i> L.	Solanaceae	Mutong
<i>Solanum renschii</i> Vatke	Solanaceae	Mutongatonga
<i>Sphaerathus ukambensis</i> Vatke & O. Hoffm.	Compositae	Nzou-ya-iiia
<i>Sporobolus fimbriatus</i> Nees	Gramineae	"Mukengeeka"
<i>Steganotaenia araliacea</i> Hochst.	Umbelliferae	Muvuavui
<i>Sterculia africana</i> (Lour.) Fiori (<i>S. rhynchocarpa</i> K. Schum.)	Sterculiaceae	Kyuusya
<i>Striga asiatica</i> (L.) Ktze	Scrophulariaceae	—
<i>Strychnos decussata</i> (Pappe) Gilg.	Loganiaceae	Mutolongwe
<i>Strychnos henningsii</i> Gilg	Loganiaceae	Muteta
<i>Tamarindus indica</i> L.	Caesalpiniaceae	Muthumula
<i>Tarchonanthus camphoratus</i> L.	Compositae	—
<i>Teclea simplicifolia</i> (Engl.) Verdoorn	Rutaceae	Mutuiyu
<i>Terminalia brownii</i> Fresen.	Combretaceae	Muuku
<i>Terminalia prunioides</i> Laws.	Combretaceae	Mutoo-o
<i>Themeda triandra</i> Forssk.	Gramineae	—
<i>Tridax procumbens</i> L.	Compositae	Ndongi
<i>Vangueria infausta</i> Burch. ssp. <i>rotundata</i> (Robyns) Verdc. (<i>V. rotundata</i> (Robyns) Verdc.)	Rubiaceae	Kikomoa
<i>Vigna membranacea</i> A. Rich.	Papilionaceae	Nthooko-kavii
<i>Waltheria indica</i> L.	Sterculiaceae	—
<i>Zanthoxylum chalybeum</i> Engl. var. <i>chalybeum</i> (<i>Fagara chalybea</i> (Engl.) Engl.)	Rutaceae	Mukenea
<i>Ziziphus mucronata</i> Willd. ssp. <i>mucronata</i>	Rhamnaceae	Kitola-usuu/kiia
<i>Zornia glochidiata</i> DC.	Papilionaceae	—

Appendix 2. Kamba names alphabetically listed.

Local name in Kamba	Species name	Family name
Ikongo	<i>Acanthospermum hispidum</i>	Acanthaceae
Inywa manzi	<i>Commiphora rostrata</i> var. <i>rostrata</i>	Burseraceae
Isivu	<i>Boscia coriacea</i>	Capparaceae
Itongwa	<i>Commiphora mildbraedii</i>	Burseraceae
Itula	<i>Commiphora baluensis</i>	Burseraceae
Itungu, Mutungu	<i>Commiphora africana</i>	Burseraceae
Kamea wioo	<i>Gutenbergia cordifolia</i>	Compositae
Kiatine	<i>Kigelia africana</i>	Bignoniaceae
Kikomoa	<i>Vangueria infausta</i>	Rubiaceae
Kilembwa	<i>Euphorbia scheffleri</i>	Euphorbiaceae
Kinatha	<i>Maerua decumbens</i>	Capparaceae
Kinodo	<i>Boswellia neglecta</i>	Burseraceae
Kitandambo	<i>Capparis tomentosa</i>	Capparaceae
Kithea, Muthea	<i>Cordia sinensis</i>	Boraginaceae
Kitola-usuu, Kiia	<i>Ziziphus mucronata</i> ssp. <i>mucronata</i>	Rhamnaceae
Kitungati, Muondu	<i>Commiphora habessinica</i>	Burseraceae
Kivuti	<i>Erythrina abyssinica</i>	Papilionaceae
Koluka na nzi	<i>Eragrostis rigidior</i>	Gramineae
Kyaa	<i>Euphorbia candelabrum</i>	Euphorbiaceae
Kyaamata	<i>Pupalia lappacea</i>	Amaranthaceae
Kyuusya	<i>Sterculia africana</i>	Steruliaceae
Lithuyi	<i>Ipomoea obscura</i>	Convolvulaceae
Lung'uyu	<i>Indigofera vohemarensis</i>	Papilionaceae
Makindu	<i>Phoenix reclinata</i>	Palmae
Muange	<i>Delonix elata</i>	Caesalpiniaceae
Muangi	<i>Arundinaria alpina</i>	Gramineae
Muasi	<i>Lanea schweinfurthii</i>	Anacardiaceae
Muembe, Mwembe	<i>Mangifera indica</i>	Anacardiaceae
Mukakaa	<i>Premna oligotricha</i>	Verbenaceae
Mukame	<i>Newtonia hildebrandtii</i> var. <i>hildebrandtii</i>	Mimosaceae
Mukandu	<i>Ocimum suave</i>	Labiatae
Mukenea	<i>Zanthoxylum chalybeum</i> var. <i>chalybeum</i>	Rutaceae
"Mukengeka"	<i>Senna siamea</i>	Caesalpiniaceae
"Mukengeka"	<i>Senna spectabilis</i>	Caesalpiniaceae
Mukinyai	<i>Euclea racemosa</i> ssp. <i>schimperii</i>	Ebenaceae
Mukolokolo	<i>Piliostigma thonningii</i>	Papilionaceae
Mukolekya	<i>Maerua angolensis</i>	Capparaceae
Mukulua	<i>Acalypha fruticosa</i>	Euphorbiaceae
Mukuluu	<i>Flueggea virosa</i>	Euphorbiaceae
Mukuswi	<i>Acacia brevispica</i> ssp. <i>brevispica</i>	Mimosaceae
Mulalambile	<i>Hibiscus micranthus</i>	Malvaceae
Mulawa	<i>Grewia bicolor</i>	Tiliaceae
Mululi	<i>Boscia angustifolia</i>	Capparaceae
Mululuwi	<i>Balanites aegyptiaca</i>	Balanitaceae
Mululuwi	<i>Balanites glabra</i>	Balanitaceae
Mungaatha	<i>Plumbago zeylanica</i>	Plumbaginaceae
Mungole	<i>Acacia senegal</i>	Mimosaceae
Munoa mathoka	<i>Dichrostachys cinerea</i>	Mimosaceae
Munyuungamai	<i>Senna longiracemosa</i>	Caesalpiniaceae
Muondu, Kitungati	<i>Commiphora habessinica</i>	Burseraceae
Musemei	<i>Acacia nilotica</i>	Mimosaceae
Musenziili, Muthila	<i>Gnidia latifolia</i>	Thymeleaceae
Musuusuu	<i>Indigofera arrecta</i>	Papilionaceae
Mutaa	<i>Ocimum basilicum</i>	Labiatae
Mutandi	<i>Ochna ovata</i>	Ochnaceae
Muteta	<i>Strychnos henningsii</i>	Loganiaceae
Muthalwa	<i>Lanea triphylla</i>	Anacardiaceae
Mutheu	<i>Rhus natalensis</i>	Anacardiaceae
Muthiia	<i>Acacia mellifera</i>	Mimosaceae
Muthiia	<i>Cordia monoica</i>	Boraginaceae
Muthulu	<i>Croton megalocarpus</i>	Euphorbiaceae
Muthingii	<i>Ormocarpum kirkii</i>	Papilionaceae

Appendix 2. (Continued)

Muthumula	<i>Tamarindus indica</i>	Caesalpiniaceae
Muthunzi	<i>Maylenus putterlickioides</i>	Celastraceae
Mutolongwe	<i>Strychnos decussata</i>	Loganiaceae
Mutongatongu	<i>Solanum renschii</i>	Solanaceae
Mutongu	<i>Solanum incanum</i>	Solanaceae
Mutoo	<i>Azanza garckeana</i>	Malvaceae
Mutoo-o	<i>Terminalia prunioides</i>	Combretaceae
Mutuiyu	<i>Teclea simplicifolia</i>	Rutaceae
Mutungu	<i>Commiphora schimperi</i>	Burseraceae
Mutunguka	<i>Commiphora eminii</i> ssp. <i>zimmermanii</i>	Burseraceae
Mutuva	<i>Grewia ectasicarpa</i>	Tiliaceae
Mutuva	<i>Grewia similis</i>	Tiliaceae
Mutuva	<i>Grewia tembensis</i>	Tiliaceae
Mutwa-iteta	<i>Evolvulus alsinoides</i>	Convolvulaceae
Muuku	<i>Terminalia brownii</i>	Combretaceae
Muumba	<i>Clerodendrum eriophyllum</i>	Verbenaceae
Muumbu	<i>Ficus vasta</i>	Moraceae
Muumo	<i>Ficus sur</i>	Moraceae
Muuti	<i>Aspilia mossambicensis</i>	Compositae
Muvavai	<i>Carica papaya</i>	Caricaceae
Muvela	<i>Psidium guajava</i>	Myrtaceae
Muvingo	<i>Dalbergia melanoxylon</i>	Papilionaceae
Muvu	<i>Grewia villosa</i>	Tiliaceae
Muvuavui	<i>Steganoaenia araliacea</i>	Umbelliferae
Mwaa	<i>Acacia tortilis</i>	Mimosaceae
Mwalula	<i>Croton macrostachyus</i>	Euphorbiaceae
Mwaitha	<i>Entada leptostachya</i>	Mimosaceae
Mwembe, Muembe	<i>Mangifera indica</i>	Anacardiaceae
Mwoa	<i>Albizia amara</i>	Mimosaceae
Mwoa-syo-kinai	<i>Albizia anthelmintica</i>	Mimosaceae
Ndau	<i>Euphorbia tirucalli</i>	Euphorbiaceae
Ndonai	<i>Tridax procumbens</i>	Compositae
Nthooka-kavii	<i>Vigna membranacea</i>	Papilionaceae
Nzou-ya-iiia	<i>Sphaeranthus ukambensis</i>	Compositae
Songe	<i>Oxygonum sinuatum</i>	Polygonaceae
Uthekethe	<i>Achyranthes aspera</i>	Amaranthaceae
Uthuunduu	<i>Hermannia oliveri</i>	Sterculiaceae

Plants whose local names were not recorded

<i>Acacia reficiens</i> ssp. <i>misera</i>	Mimosaceae	<i>Hypoestes verticillaris</i>	Acanthaceae
<i>Casuarina equisetifolia</i>	Casuarinaceae	<i>Indigofera spinosa</i>	Papilionaceae
<i>Chloris roxburghiana</i>	Gramineae	<i>Indigofera volkensii</i>	Papilionaceae
<i>Commiphora campestris</i>	Burseraceae	<i>Justicia diclipteroides</i>	Acanthaceae
<i>Commiphora samharensis</i>		<i>Ocimum kilimandscharicum</i>	Labiatae
ssp. <i>terebinthina</i>	Burseraceae	<i>Omdontella fischeri</i>	Loranthaceae
<i>Crotalaria scassellattii</i>	Papilionaceae	<i>Pavonia arabica</i>	Malvaceae
<i>Cupressus lusitanica</i>	Cupressaceae	<i>Pavonia alegans</i>	Malvaceae
<i>Cycnium cameronianum</i>	Scrophulariaceae	<i>Pavonia patens</i>	Malvaceae
<i>Digitaria macroblephala</i>	Gramineae	<i>Sporobolus fimbriatus</i>	Gramineae
<i>Disperma kilimandscharicum</i>	Acanthaceae	<i>Striga asiatica</i>	Scrophulariaceae
<i>Enteropogon macrostachyus</i>	Gramineae	<i>Tarchonanthus camphoratus</i>	Compositae
<i>Fauvea saligana</i>	Proteaceae	<i>Themeda triandra</i>	Gramineae
<i>Grewia mollis</i>	Tiliaceae	<i>Waltheria indica</i>	Sterculiaceae
<i>Helichrysum glumaceum</i>	Compositae	<i>Zornia glochiata</i>	Papilionaceae
<i>Heteropogon contortus</i>	Gramineae		