

Checklist of ferns and seed plants of the Golden Gate Highlands National Park, South Africa

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ABSTRACT

A list of flowering plants and ferns has been compiled for the Golden Gate Highlands National Park, which occupies an area of 11 346 hectares but excludes the adjacent QwaQwa National Park. The checklist comprises 846 taxa (823 species and 23 infraspecific taxa) representing 359 genera in 101 families. Eleven of the species are recorded in the Red Data List (Raimondo *et al.* 2010) and 64 species are naturalized exotics.

INTRODUCTION

Golden Gate Highlands National Park (GGHNP) forms part of the Transfrontier Conservation Area (TFCA) that extends from the Eastern Cape, all along the Drakensberg through KwaZulu-Natal and into the Free State Province on the South African side of the international border with Lesotho. On the Lesotho side of the border, an equal portion of land, including Sehlabathebe National Park, Ts'ehlanyane Nature Reserve and Bokong Nature Reserve, forms part of the Maluti-Drakensberg (TFCA) that covers $\pm 5\,000\text{ km}^2$ and incorporates the highest mountains in southern Africa. The extreme variability in the topography, altitude and climatic conditions within the GGHNP, results in a complex mosaic of plant communities (Kay *et al.* 1993). Several ecological studies have been undertaken (Potgieter 1982; Manfred 1990; Kay *et al.* 1993) in the area but no complete inventory of the flora has yet been published. The annotated checklist of plant species will form an important basis for future work, particularly the compilation and refinement of the Red Data List (RDL) and also vegetation mapping of the park. This information is in turn useful in the Conservation Development Framework (CDF) process undertaken by South African National Parks; that will then contribute towards effective management of the park.

STUDY AREA

Golden Gate Highlands National Park is situated in the Rooiberge of the northeastern Free State and contains the foothills of the Maluti Mountains. A locality map of the study area is shown in Figure 1. The park is $\pm 360\text{ km}$ from Johannesburg and 56 km southeast of Bethlehem, near the border between Lesotho and the Republic of South Africa. The area is situated between $28^{\circ} 33'$ and $28^{\circ} 40'$ E longitude, $28^{\circ} 28'$ and $28^{\circ} 37'$ S



FIGURE 1.—Map of Golden Gate Highlands National Park. EC, Eastern Cape; FS, Free State; KW, KwaZulu-Natal; Le, Lesotho; Li, Limpopo; Mp, Mpumalanga; NW, North-West; G, Gauteng.

latitude and altitude between 1 837 and 3 099 m (Kay *et al.* 1993). The vegetation of the park is predominantly grassland, with a very small percentage of shrub forest and Afromontane forest along the rivers and in sheltered places that are protected from fire (Manfred 1990). In the recent vegetation map for southern Africa (Mucina & Rutherford 2006), four dominant vegetation units are distinguished in the Golden Gate area, namely Northern Drakensberg Highland Grassland (Gd 5), Lesotho Highland Basalt Grassland (Gd 8), Eastern Free State Sandy Grassland (Gm 4) and Basotho Montane Shrubland (Gm 5). The park is a popular tourist attraction due to the scenic beauty and spectacular rock formations.

METHODS

Herbarium specimens were collected by several collectors over a period of more than 15 years. Most of the collections were made by the second author and by scientists of the South African National Parks Herbarium (KSAN). Other reference material and voucher specimens are from the records in the National Herbarium, Pretoria (PRE). Duplicates of the specimens are housed

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TABLE 1.—No. families, genera and species of flowering plants and ferns recorded in Golden Gate Highlands National Park

	Families	Genera	Indigenous spp.	Naturalized exotics	RDL
Pteridophyta	9	14	24	0	0
Gymnospermae	2	2	1	1	0
Angiospermae					
Dicotyledonae	69	228	481	48	7
Monocotyledonae	21	115	253	15	4
Total	101	359	759	64	11

TABLE 2.—List of species recorded in Red List (Raimondo *et al.* 2010)

Species	Family	Broad Category	IUCN Category
<i>Aloe greatheadii</i> var. <i>davyana</i>	Asphodelaceae	Lower Risk	LC
<i>Delosperma ashtonii</i>	Mesembryanthemaceae	Lower Risk	LC
<i>Diascia integerrima</i>	Scrophulariaceae	Lower Risk	LC
<i>Erica flanaganii</i>	Ericaceae	Data Deficient	LC
<i>Eucomis autumnalis</i> subsp. <i>clavata</i>	Hyacinthaceae	Data Deficient	Declining
<i>Galtonia viridiflora</i>	Hyacinthaceae	Lower Risk	LC
<i>Gymnopentzia bifurcata</i>	Asteraceae	Threatened	LC
<i>Lobelia erinus</i>	Lobeliaceae	Lower Risk	LC
<i>Merwillia plumbea</i>	Hyacinthaceae	Data Deficient	NT
<i>Protea roupelliae</i> subsp. <i>roupelliae</i>	Proteaceae	Lower Risk	LC
<i>Sisymbrium turczaninowii</i>	Brassicaceae	Lower Risk	LC

LC, Least Concern; NT, Not Threatened.

in the South African National Park Herbarium (KSAN), University of Johannesburg Herbarium (JRAU), National Herbarium (PRE) and Geo-Potts Herbarium, University of the Free State (BLFU). The nomenclature and arrangement of the checklist follow Germishuizen & Meyer (2003) and Moffett (2007). Accepted genus and species names are in bold print and collectors are shown in italics. Author citations appear in the checklist and are not repeated elsewhere. Specimens in PRE and KSAN herbaria were mostly considered for listing as voucher specimens. Duplicates were excluded, so that all the numbers of the various collectors are not included. A few herbarium specimens do not have accurate information on the collectors but they were nevertheless included in the checklist for future reference. Naturalized exotic species are marked with an asterisk.

RESULTS

A total of 846 taxa (823 species and 23 infraspecific taxa) representing 359 genera in 101 families, were recorded in Golden Gate Highlands National Park (Table 1). The largest families are the Poaceae, with 55 genera and 127 species and the Asteraceae, with 49 genera and 144 species. More than half the genera and the species are dicotyledons. Eleven species fall under the Red Data List (Table 2). The high number of naturalized exotics (64 species or more than 7 % of the flora) is noteworthy. The list includes 24 species of Pteridophyta and 66 species of woody plants (trees and shrubs) of which 12 are aliens.

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CHECKLIST

PTERIDOPHYTES

ANEMIACEAE

Mohria caffrorum (L.) Desv.; *B-E. & M. van Wyk 2323 (KSAN)*

ASPLENIACEAE

Asplenium

adiantum-nigrum L. var. **adiantum-nigrum**; *A.P. van der Linde 11 (PRE)*

aethiopicum (Burm.f.) Bech. subsp. **aethiopicum**; *B-E. & M. van Wyk 2369a (JRAU); Gertenbach & Groenewald 8979 (PRE)*

cordatum (Thunb.) Sw.; *B-E. & M. van Wyk 2964 (KSAN); A.P. van der Linde 12 (PRE)*

monanthes L.; *B.R. Roberts 3237 (BLFU)*

trichomanes L. subsp. **quadrivalens** D.E.Mey. emend. Lovis; *B.R. Roberts 3252 (BLFU); B-E. & M. van Wyk 2702 (JRAU)*

BLECHNACEAE

Blechnum L.

australe L.; *A.P. van der Linde 10 (KSAN)*

punctulatum Sw. var. **punctulatum**; *B-E. & M. van Wyk 2335 (JRAU)*

DRYOPTERIDACEAE

Polystichum monticola N.C.Anthony & Schelpe; *Gertenbach & Groenewald 9167 (PRE)*

EQUISETACEAE

Equisetum ramosissimum Desf.; *B-E. & M. van Wyk 2475 (JRAU)*

POLYPODIACEAE

Lepisorus schraderi (Mett.) Ching; *A.P. van der Linde 16 (PRE)*

Pleioptelis macrocarpa (Bory ex Willd.) Kaulf.; *B-E. & M. van Wyk 2377a (JRAU); L.C.C. Liebenberg 7583 (KSAN)*

PTERIDACEAE

Adiantum L.

capillus-veneris L.; *B-E. & M. van Wyk 2817 (KSAN); L. & P.C. Zietsman 62 (PRE)*

poiretii Wikstr.; *B-E. & M. van Wyk 2336 (JRAU); A.P. van der Linde 9 (KSAN)*

Cheilanthes Sw.

eckloniana (Kunze) Mett.; *B-E. & M. van Wyk 2306 (JRAU); L. & P.C. Zietsman 546 (PRE)*

hirta Sw.; *B-E. & M. van Wyk 2892 (KSAN); A.P. van der Linde 15 (PRE)*

quadripinnata (Forssk.) Kuhn; *B-E. & M. van Wyk 2301 (JRAU); J.C. Scheepers GG181 (PRE)*

viridis (Forssk.) Sw. var. **viridis**; *Daemane & Gerald 38 (KSAN)*

Pellaea calomelanos (Sw.) Link var. **calomelanos**; *B-E. & M. van Wyk 2322 (JRAU); Gertenbach & Groenewald 8978 (PRE)*

Pteris cretica L.; *B-E. & M. van Wyk 2363a (JRAU); P.C. Zietsman 65 (PRE)*

SELAGINELLACEAE

Selaginella P.Beauv.

caffrorum (Milde) Hieron.; *J.C. Scheepers GG165 (PRE)*

dregei (C.Presl) Hieron.; *B-E. & M. van Wyk 2332 (KSAN)*

WOODSIACEAE

Cystopteris fragilis (L.) Bernh.; *B.R. Roberts 3227 (BLFU)*

Woodsia burgessiana Gerr. ex Hook. & Baker; *B.R. Roberts 3259 (PRE)*

GYMNOSPERMS

PINACEAE

***Pinus halepensis** Mill. var. **halepensis**; *Gertenbach & Groenewald 9227 (KSAN)*

PODOCARPACEAE

Podocarpus latifolius (Thunb.) R.Br. ex Mirb.; *B-E. & M. van Wyk 2376a (JRAU); L. & P.C. Zietsman 66 (PRE)*

DICOTYLEDONS

ACANTHACEAE

Barleria monticola Oberm.; *Gertenbach & Groenewald 9109 (PRE); P.C. Zietsman 3505 (KSAN)*

Chaetacanthus setiger (Pers.) Lindl.; *P.C. Zietsman 3552 (KSAN)*

Crabbea sp.; *J.W. Potgieter 96 (BLFU)*

ACHARIACEAE

Kiggelaria africana L.; *B-E. & M. van Wyk 2696 (KSAN); B.R. Roberts 3266 (PRE)*

AMARANTHACEAE

***Achyranthes aspera** L. var. **aspera**; *B-E. & M. van Wyk 2834 (KSAN)*

***Alternanthera pungens** Kunth; *Gertenbach & Groenewald 9201 (KSAN)*

Cyathula blumeuncinulata (Schrad.) Schinz; *M.P.K Meyer 7026 (PRE); P.C. Zietsman 555 (PRE)*

ANACARDIACEAE

Searsia F.A.Barkley

burchellii (Sond. ex Engl.) Moffett; *P.C. Zietsman 3528 (PRE)*

dentata (Thunb.) Moffett; *B-E. & M. van Wyk 2472 (JRAU); B.R. Roberts 3231 (PRE)*

discolor (E.Mey. ex Sond.) Moffett; *B-E. & M. van Wyk 2498 (JRAU); Gertenbach & Groenewald 8801 (PRE)*

divaricata (Eckl. & Zeyh.) Moffett; *Gertenbach & Groenewald 9130 (PRE); B.R. Roberts 3089 (PRE)*

erosa (Thunb.) Moffett; *Gertenbach & Groenewald 9217 (PRE); Daemane & Gerald 56 (KSAN)*

laevigata (L.) F.A.Barkley; *B-E. & M. van Wyk 2380a (JRAU)*

pallens (Eckl. & Zeyh.) Moffett; *Gertenbach & Groenewald 8963 (PRE)*

pyroides (Burch.) Moffett var. **gracilis** (Engl.) Moffett; *B-E. & M. van Wyk 2389a (JRAU); Gertenbach & Groenewald 8945 (PRE)*

undulata (Jacq.) T.S.Yi, A.J.Mill & J.Wen; *M.L. Jacobs 8570 (KSAN)*

APIACEAE

Alepidea F.Delaroche

cordifolia B.-E. Van Wyk; *A. Spies 47938 (PRE); B.R. Roberts 3372 (PRE)*

peduncularis A.Rich.; *L.C.C. Liebenberg 7503 (PRE); B.R. Roberts 3210 (PRE)*

setifera N.E.Br.; *Groenewald & Daleen 8739 (PRE); B.R. Roberts 3377 (PRE)*

Berula erecta (Huds.) Coville subsp. **thunbergii** (DC.) B.L.Burt; *Gertenbach & Groenewald 8743 (PRE); L.C.C. Liebenberg 7542 (PRE)*

Bupleurum mundii Cham. & Schltldl.; *L.C.C. Liebenberg 6985 (PRE)*

Conium chaerophylloides (Thunb.) Sond.; *L.C.C. Liebenberg 7446 (PRE)*

Heteromorpha arborescens (Spreng.) Cham. & Schlecht. var. **abysinica** (A.Rich.) H.Wolff; *B-E. & M. van Wyk 2388a (JRAU); Gertenbach & Groenewald 8957 (KSAN)*

***Pastinaca sativa** L.; *L.C.C. Liebenberg 7010 (PRE)*

Peucedanum caffrum (Meisn.) E.Phillips; *B.R. Roberts 3356 (PRE)*

Polemannia Eckl. & Zeyh.

montana Schltr. & H.Wolff; *J.W. Potgieter 283 (BLFU)*

simplicior Hilliard & B.L.Burt; *R.O. Moffett & I. Crouch 4474 (PRE)*

APOCYNACEAE

Asclepias L.

humilis (E.Mey.) Schltr.; *B.R. Roberts 3422 (PRE)*

sp. *B.R. Roberts 3189 (PRE)*

- Asclepias** L. (cont.)
stellifera Schltr.; *P.C. Zietsman 2823* (PRE); *L.C.C. Liebenberg 7269* (PRE)
- Aspidoglossum** E.Mey.
interruptum (E.Mey.) Bullock; *L.C.C. Liebenberg 6912* (PRE)
lamellatum (Schltr.) Kupicha; *Gertenbach & Groenewald 8859* (PRE)
- Gomphocarpus** R.Br.
fruticosus (L.) Aiton f.
 subsp. **decipiens** (N.E.Br.) Goyder & Nicholas; *J.W. Potgieter 386* (BLFU)
 subsp. **fruticosus**; *Gertenbach & Groenewald 9117* (KSNA); *L.C.C. Liebenberg 6842* (PRE)
tomentosus Burch. subsp. **tomentosus**; *J.W. Potgieter 387* (BLFU)
- Miraglossum pulchellum** (Schltr.) Kupicha; *Gertenbach & Groenewald 8905* (PRE)
- Raphionacme hirsuta** (E.Mey.) R.A.Dyer ex E.Phillips; *B-E. & M. van Wyk 2387* (JRAU); *P.C. Zietsman 3569* (PRE)
- Riocreuxia torulosa** Decne.; *L.C.C. Liebenberg 6830* (PRE); *P.C. Zietsman 2979* (PRE)
- Schizoglossum** E.Mey.
atropurpureum E.Mey. subsp. **atropurpureum**; *L.C.C. Liebenberg 7554* (PRE)
bidens E.Mey.
 subsp. **bidens**; *L.C.C. Liebenberg 6946* (PRE)
 subsp. **pachyglossum** (Schltr.) Kupicha; *L.C.C. Liebenberg 6995* (PRE)
nitidum Schltr.; *B.R. Roberts 3150* (BLFU)
stenoglossum Schltr. subsp. **latifolium** Kupicha; *B.R. Roberts 3085* (PRE)
- Xysmalobium** R.Br.
parviflorum Harv. ex Scott-Elliott; *L.C.C. Liebenberg 7268* (PRE); *J.J. Blom 73* (PRE)
undulatum (L.) Aiton f. var. **undulatum**; *J.W. Potgieter 343* (BLFU)
- AQUIFOLIACEAE**
- Ilex mitis** (L.) Radlk. var. **mitis**; *B-E. & M. van Wyk 2382a* (JRAU); *P.C. Zietsman 2965* (PRE)
- ARALIACEAE**
- Cussonia paniculata** Eckl. & Zeyh. subsp. **sinuata** (Reyneke & Kok) De Winter; *B-E. & M. van Wyk 2382a* (JRAU); *B.R. Roberts 3405* (PRE)
- ASTERACEAE**
- Arcototis** L.
arctotoides (L.f.) O.Hoffm.; *B-E. & M. van Wyk 2690* (JRAU)
microcephala (DC.) Beauverd; *B.R. Roberts 3132* (PRE)
venusta Norl.; *H. Bezuidenhout 739* (KSAN)
- Artemisia afra** Jacq. ex Willd.; *B.R. Roberts 3312* (PRE); *L. & P.C. Zietsman 559* (PRE)
- Aster** L.
bakerianus Burt Davy ex C.A.Sm.; *B-E. & M. van Wyk 2715* (JRAU); *Gertenbach & Groenewald 8847* (KSAN)
lydenburgensis W.Lippert; *J.W. Potgieter 549* (BLFU)
perfoliatus Oliv.; *B-E. & M. van Wyk 2720* (KSAN); *B.R. Roberts 3381* (PRE)
pleicocephalus (Harv.) Hutch.; *Gertenbach & Groenewald 8932* (KSAN); *P.C. Zietsman 3272* (PRE)
- Athrixia** Ker Gawl.
angustissima DC.; *L.C.C. Liebenberg 6863* (PRE); *B.R. Roberts 3207* (PRE)
elata Sond.; *B-E. & M. van Wyk 2325* (JRAU); *P.C. Zietsman 3531* (PRE)
- Berkheya** Ehrh.
cirsiifolia (DC.) Roessler; *R. Story 1969* (PRE); *L.C.C. Liebenberg 6971* (PRE)
discolor (DC.) O.Hoffm. & Muschl.; *B-E. & M. van Wyk 2640* (KSAN)
montana J.M.Wood & M.S.Evans; *Daemane & Gerald 26* (KSAN)
onopordifolia (DC.) O.Hoffm. ex Burt Davy var. **onopordifolia**; *L. Henderson 785* (PRE)
pinnatifida (Thunb.) Thell. subsp. **stobaeoides** (Harv.) Roessler; *Gertenbach & Groenewald 9189* (KSAN)
purpurea (DC.) Mast.; *B.R. Roberts 3203* (PRE)
rhapontica (DC.) Hutch. & Burt Davy subsp. **aristosa** (DC.) Roessler var. **aristosa**; *L.C.C. Liebenberg 6869* (PRE)
rosulata Roessler; *L.C.C. Liebenberg 6949* (PRE); *B.R. Roberts 3112* (PRE)
- speciosa** (DC.) O.Hoffm.
 subsp. **lanceolata** Roessler; *L.C.C. Liebenberg 6973* (PRE); *B.R. Roberts 3243* (PRE)
 subsp. **speciosa**; *Gertenbach & Groenewald 8934* (KSAN); *L.C.C. Liebenberg 7013* (PRE)
- Chrysanthemoides monilefera** (L.) Norl. subsp. **canescens** (DC.) Norl.; *B-E. & M. van Wyk 2342* (JRAU); *Gertenbach & Groenewald 9166* (KSAN)
- Chrysocoma ciliata** L.; *B-E. & M. van Wyk 2302* (JRAU); *B.R. Roberts 3426* (PRE)
- Cineraria** L.
aspera Thunb.; *Gertenbach & Groenewald 8928* (KSAN); *L.C.C. Liebenberg 7301* (PRE)
lobata L'Hér.; *B.R. Roberts 3370* (PRE)
lyratiformis Cron; *D.G. Steyn 30* (PRE); *E. van der Berg 9946* (PRE)
***Cirsium vulgare** (Savi) Ten.; *L.C.C. Liebenberg 7533* (PRE); *B.R. Roberts 3437* (PRE)
- Conyza** Less.
***albida** Spreng; *J.W. Potgieter 407* (BLFU)
pinnata (L.f.) Kuntze; *J.W. Potgieter 21* (BLFU)
podocephala DC.; *L.C.C. Liebenberg 7423a* (PRE); *M.P.K. Meyer 6974* (PRE)
- Cotula** L.
hispidula (DC.) Harv.; *L.C.C. Liebenberg 7032* (PRE); *B.R. Roberts 3369* (PRE)
microglossa (DC.) O.Hoffm. & Kuntze ex Kuntze; *J.W. Potgieter 61* (BLFU)
***Crepis hypochaeridea** (DC.) Thell.; *B-E. & M. van Wyk 2539* (JRAU); *L.C.C. Liebenberg 7334* (PRE)
- Denekia capensis** Thunb.; *Gertenbach & Groenewald 9116* (KSAN); *P.C. Zietsman 3549* (PRE)
- Dicoma anomala** Sond. subsp. **anomala**; *B-E. & M. van Wyk 2858* (KSAN); *L. & P.C. Zietsman 548* (PRE)
- Dimorphotheca** Vaill. ex Moench
caulescens (Harv.) Harv.; *J.W. Potgieter 193* (BLFU)
jucunda E.Phillips; *P.C. Zietsman 3572* (KSAN); *A.M. Jacot Guil-larmod 2130* (PRE)
- Euryops** (Cass.) Cass.
laxus (Harv.) Burt Davy; *B.R. Roberts 3190* (BLFU)
pedunculatus N.E.Br.; *L.C.C. Liebenberg 6938* (PRE)
transvaalensis Klatt subsp. **setilobus** (N.E.Br.) B.Nord.; *P.C. Zietsman 3518* (KSAN); *L.C.C. Liebenberg 8233* (PRE)
- Felicia** Cass.
fascicularis DC.; *L.C.C. Liebenberg 7019* (PRE)
filifolia (Vent.) Burt Davy subsp. **filifolia**; *B-E. & M. van Wyk 2315a* (JRAU); *Gertenbach & Groenewald 8950* (KSAN)
muricata (Thunb.) Nees subsp. **muricata**; *Gertenbach & Groenewald 8940* (KSAN); *B.R. Roberts 3141* (PRE)
petiolata (Harv.) N.E.Br.; *B.R. Roberts 3286* (PRE)
rosulata Yeo; *L.C.C. Liebenberg 8223* (PRE)
- Gazania** Gaertn.
krebsiana Less.
 subsp. **krebsiana**; *B-E. & M. van Wyk 2368* (JRAU); *B.R. Roberts 3440* (PRE)
 subsp. **serrulata** (DC.) Roessler; *Gertenbach & Groenewald 9123* (KSAN); *P.C. Zietsman 2690* (PRE)
- Gerbera** L.
ambigua (Cass.) Sch.Bip.; *B-E. & M. van Wyk 2372* (JRAU); *L.C.C. Liebenberg 7285* (PRE)
piloselloides (L.) Cass.; *B-E. & M. van Wyk 2367* (KSAN)
viridifolia (DC.) Sch.Bip.; *S. Barendse 12* (KSAN)
- Gymnopentzia bifurcata** Benth.; *J.W. Potgieter 18* (BLFU)
- Haplocarpha scaposa** Harv.; *B-E. & M. van Wyk 2705* (PRE); *B.R. Roberts 6917* (PRE)
- Helichrysum** Mill.
adenocarpum DC. subsp. **adenocarpum**; *B-E. & M. van Wyk 2731* (JRAU); *B.R. Roberts 3272* (PRE)
appendiculatum (L.f.) Less.; *Gertenbach & Groenewald 9195* (KSAN); *B.R. Roberts 3170* (PRE)
aureonitens Sch.Bip.; *B-E. & M. van Wyk 2566* (JRAU); *R.O. Moffett 5080* (PRE)
aureum (Houtt.) Merr. var. **monocephalum** (DC.) Hilliard; *B-E. & M. van Wyk 2409* (JRAU); *B.R. Roberts 3344* (PRE)
bellum Hilliard; *B-E. & M. van Wyk 2731* (KSAN)
caespitium (DC.) Harv.; *B-E. & M. van Wyk 2310* (KSAN); *L.C.C. Liebenberg 8226* (PRE)
callicomum Harv.; *J.J. Blom 24* (PRE); *P.C. Zietsman 510* (PRE)
cephaloideum DC.; *B-E. & M. van Wyk 2756* (KSAN); *P.C. Zietsman 511* (PRE)

Helichrysum Mill. (cont.)

- cerastioides** DC. var. **cerastioides**; *A.P. Goossens 1299* (PRE)
chionosphaerum DC.; *B-E. & M. van Wyk 2503* (JRAU); *H. Bezuidenhout 748* (PRE)
cooperi Harv.; *Groenewald 8753* (KSAN); *B.R. Roberts 3371* (PRE)
cymosum (L.) D.Don subsp. **calvum** Hilliard; *L.C.C. Liebenberg 7023* (PRE)
dasycephalum O.Hoffm.; *B.R. Roberts 3092* (PRE)
dregeanum Sond. & Harv.; *B.R. Roberts 3117* (PRE)
ecklonis Sond.; *B.R. Roberts 3293* (PRE); *L.C.C. Liebenberg 7280* (PRE)
herbaceum (Andrews) Sweet; *Gertenbach & Groenewald 9176* (KSAN); *B.R. Roberts 3406* (PRE)
hypoleucum Harv.; *B-E. & M. van Wyk 2893* (JRAU); *B.R. Roberts 3291* (PRE)
infaustum J.M.Wood & M.S.Evans; *L. & P.C. Zietsman 482* (PRE)
melanacme DC.; *B-E. & M. van Wyk 2815* (KSAN); *R.O. Moffett 5121* (PRE)
miconiifolium DC.; *B-E. & M. van Wyk 2724, 2728* (JRAU); *Gertenbach & Groenewald 8834* (PRE)
mundtii Harv.; *J.C. Scheepers 1859* (PRE)
nudifolium (L.) Less.
 var. **nudifolium**; *L.C.C. Liebenberg 6801* (PRE)
 var. **pilosellum** (L.f.) Beentjie; *R.O. Moffett 5123* (PRE); *B-E. & M. van Wyk 2380* (KSAN); *L.C.C. Liebenberg 7318* (PRE)
odoratissimum (L.) Sweet; *J.C. Scheepers 1818* (PRE); *M.P.K. Meyer 7047* (PRE)
oreophilum Klatt; *L.C.C. Liebenberg 7001* (PRE); *D.B. Muller 1287* (PRE)
pallidum DC.; *J.J. Blom 70* (PRE)
platypterum DC.; *J.W. Potgieter 347* (BLFU)
psilolepis Harv.; *L.C.C. Liebenberg 6895* (PRE)
qathlambanum Hilliard; *R.A. Lubke 246* (PRE)
rugulosum Less.; *B-E. & M. van Wyk 2763* (JRAU); *Gertenbach & Groenewald 8936* (PRE)
setosum Harv.; *J.W. Potgieter 446* (BLFU); *B.R. Roberts 3305* (BLFU)
spiralepis Hilliard & B.L.Burt; *Gertenbach & Groenewald 9115* (PRE); *B.R. Roberts 3105* (PRE)
splendidum (Thunb.) Less.; *B.R. Roberts 3355* (BLFU)
subglomeratum Less.; *Daemane & Gerald 47* (KSAN); *P.C. Zietsman 484* (PRE)
sutherlandii Harv.; *J.H. Toucher 5* (KSAN); *B.R. Roberts 3358* (PRE)
Heteromma decurrens (DC.) O.Hoffm.; *L.C.C. Liebenberg 6874* (PRE); *A.M. Jacot Guillarmod 2124* (PRE)
Hirpicium armerioides (DC.) Roessler; *L.C.C. Liebenberg 8236* (PRE)
 ***Hypochaeris radicata** L.; *B-E. & M. van Wyk 2522* (JRAU); *P.C. Zietsman 2541* (PRE)
Inulanthera calva (Hutch) Källersjö; *Gertenbach & Groenewald 8907* (KSAN); *Daemane & Gerald 05* (KSAN)
Lactuca inermis Forssk.; *B-E. & M. van Wyk 2359* (JRAU)
Metalasia densa (Lam.) P.O.Karis; *B-E. & M. van Wyk 2317* (JRAU); *P.C. Zietsman 45* (PRE)
Nidorella Cass.
auriculata DC.; *L.C.C. Liebenberg 6867* (PRE)
resedifolia DC. subsp. **resedifolia**; *B.R. Roberts 3134* (PRE)
Nolletia ciliaris (DC.) Steetz; *B.R. Roberts 3201* (BLFU)
Othonna natalensis Sch.Bip.; *L.C.C. Liebenberg 7333* (PRE)
Phymaspermum acerosum (DC.) Källersjö; *J.H. Toucher 36* (KSAN); *P.C. Zietsman 3349* (PRE)
Printzia Cass.
auriculata Harv.; *Daemane & Gerald 33* (KSAN)
pyrifolia Less.; *Gertenbach & Groenewald 9204* (KSAN)
Pseudognaphalium Kirp.
luteo-album (L.) Hilliard & B.L.Burt; *J.W. Potgieter 102* (BLFU); *B.R. Roberts 3339* (BLFU)
oligandrum (DC.) Hilliard & B.L.Burt; *J.W. Potgieter 439* (BLFU)
undulatum (L.) Hilliard & B.L.Burt; *J.W. Potgieter 52* (BLFU); *B.R. Roberts 3354* (BLFU)
Relhania L'Hér. emend. K.Bremer
acerosa (DC.) K.Bremer; *B-E. & M. van Wyk 2308* (KSAN); *B.R. Roberts 3404* (PRE)
fruticosa (L.) K.Bremer; *B.R. Roberts 3380* (PRE)
Schistostephium crataegifolium (DC.) Fenzl ex Harv.; *B.R. Roberts 3187* (PRE); *P.C. Zietsman 566* (PRE)
 ***Schkuhria pinnata** (Lam.) Cabrera; *J.W. Potgieter 91* (BLFU)
Senecio L.
affinis DC.; *L.C.C. Liebenberg 7043* (PRE)

- arabidifolius** O.Hoffm.; *B.R. Roberts 3276* (BLFU)
asperulus DC.; *L. & P.C. Zietsman 477* (PRE)
burchellii DC.; *B.R. Roberts 3327* (PRE); *L.C.C. Liebenberg 6833* (PRE)
coronatus (Thunb.) Harv.; *L.C.C. Liebenberg 7276* (PRE)
crubescens Aiton var. **crepidifolius** DC.; *B-E. & M. van Wyk 2641* (KSAN); *Gertenbach & Groenewald 8832* (PRE); *B.R. Roberts 3449* (PRE); *L.C.C. Liebenberg 7041* (PRE)
glaberrimus DC.; *B-E. & M. van Wyk 2644* (JRAU); *Gertenbach & Groenewald 8850* (KSAN)
harveianus MacOwan; *B.R. Roberts 3082* (PRE); *J. Toucher 41* (PRE)
hastatus L.; *L.C.C. Liebenberg 7024* (PRE)
hieracioides DC.; *B-E. & M. van 2948* (PRE); *B.R. Roberts 3244* (PRE)
hypochoerideus DC.; *J.W. Potgieter 74* (BLFU)
inaequidens DC.; *B-E. & M. van Wyk 2542* (JRAU); *L.C.C. Liebenberg 7511* (PRE)
inornatus DC.; *L.C.C. Liebenberg 7437* (PRE); *E. van der Berg GG7* (PRE)
isatideus DC.; *B-E. & M. van Wyk 2636* (KSAN); *Gertenbach & Groenewald 9199* (PRE)
lydenburgensis Hutch. & Burt Davy; *B-E. & M. van Wyk 2629* (JRAU); *Gertenbach & Groenewald 8848* (KSAN)
mooreanus Hutch. & Burt Davy; *P.C. Zietsman 495* (PRE)
othonniflorus DC.; *B.R. Roberts 3070* (PRE); *L.C.C. Liebenberg 7517* (PRE)
purpureus L.; *B.R. Roberts 5419* (NMB)
rhomboideus Harv.; *J.W. Potgieter 264* (BLFU)
rhyncholaenus DC.; *J.W. Potgieter 486* (BLFU)
ruwenzoriensis S.Moore; *J.W. Potgieter 185* (BLFU)
serratuloides DC.; *J.W. Potgieter 349* (BLFU)
speciosus Willd.; *B.R. Roberts 3443* (BLFU)
subcoriaceus Schltr.; *L.C.C. Liebenberg 7316* (PRE)
subrubriflorus O.Hoffm.; *B.R. Roberts 3276* (PRE); *L.C.C. Liebenberg 7411* (PRE)
Seriphium plumosum L.; *B.R. Roberts 3031* (PRE)
Sonchus L.
 ***asper** (L.) Hill subsp. **asper**; *J.W. Potgieter 553* (BLFU)
nanus Sond. ex Harv.; *J.W. Potgieter 497* (BLFU)
 ***Tagetes minuta** L.; *J.W. Potgieter 504* (BLFU)
 ***Taraxacum officinale** Weber; *B.R. Roberts 3367* (PRE)
Tolpis capensis (L.) Sch.Bip.; *Gertenbach & Groenewald 8933* (KSAN); *L.C.C. Liebenberg 6898* (PRE)
Trichogyne decumbens (Thunb.) Less.; *L.C.C. Liebenberg 3337* (PRE)
Tripteris aghillana DC. var. **aghillana**; *J.W. Potgieter 471* (BLFU)
Troglophyton capillaceum (Thunb.) Hilliard & B.L.Burt subsp. **diffusum** (DC.) Hilliard; *Gertenbach & Groenewald 9197* (PRE)
Ursinia Gaertn.
alpina N.E.Br.; *B.R. Roberts 3386* (PRE); *L.C.C. Liebenberg 7028* (PRE)
montana DC. subsp. **montana**; *L.C.C. Liebenberg 7448* (PRE); *P.C. Zietsman 487* (PRE)
nana DC. subsp. **nana**; *B.R. Roberts 3195* (PRE); *P.C. Zietsman 34* (PRE)
Vernonia Schreb.
flanaganii (E.Phillips) Hilliard; *Gertenbach & Groenewald 8939* (PRE)
hirsuta (DC.) Sch.Bip. ex Walp.; *B-E. & M. van Wyk 2531* (JRAU); *B.R. Roberts 3384* (PRE)
natalensis Oliv. & Hiern; *B-E. & M. van Wyk 2576, 2608* (JRAU); *Gertenbach & Groenewald 8830* (PRE)
 ***Zinnia peruviana** (L.) L.; *Gertenbach & Groenewald 8740* (PRE)
 BORAGINACEAE
Cynoglossum L.
hispidum Thunb.; *Gertenbach & Groenewald 8929* (PRE)
lanceolatum Forssk.; *L.C.C. Liebenberg 6831* (PRE)
 ***Echium vulgare** L.; *Gertenbach & Groenewald 9188* (PRE)
Lithospermum L.
cinereum A.DC.; *E.A. Ueckermann 6997* (PRE)
hirsutum E.Mey. ex A.DC.; *Gertenbach & Groenewald 8923* (PRE)
Myosotis L.
afropalustris C.H.Wright; *L. & P.C. Zietsman 491* (PRE)
 ***sylvatica** Hoffm.; *Gertenbach & Groenewald 8897* (PRE); *B.R. Roberts 3232* (PRE)
 BRASSICACEAE
 ***Capsella bursa-pastoris** (L.) Medik.; *B-E. & M. van Wyk 2600* (JRAU)

Erucastrum strigosum (Thunb.) O.E.Schulz; *Gertenbach & Groenewald 9108* (PRE)

Heliophila L.

carnea (Thunb.) Steud.; *L.C.C. Liebenberg 6924* (PRE); *J.H. Toucher 7* (KSAN)

minima (Stephens) Marais; *P.C. Zietsman 3474* (KSAN)
rigidiuscula Sond.; *Gertenbach & Groenewald 8853* (PRE)
suavissima Burch. ex DC.; *T. Saaiman 875* (PRE)

Lepidium schinzii Thell.; *B.R. Roberts 3324* (PRE)

Sisymbrium turczaninowii Sond.; *L.C.C. Liebenberg 7468* (PRE); *P.C. Zietsman 7468* (PRE)

BUDDLEJACEAE

Buddleja L.

loricata Leeuwenb.; *B.R. Roberts 3242* (PRE); *L.C.C. Liebenberg 7294* (PRE)

salviifolia (L.) Lam.; *B-E. & M. van Wyk 2327* (JRAU); *Gertenbach & Groenewald 8942* (PRE)

Gomphostigma virgatum (L.f.) Baill.; *L.C.C. Liebenberg 7436* (PRE); *J.J. Meyer 3173* (PRE)

CAMPANULACEAE

Craterocapsa Hilliard & B.L.Burt

montana (A.DC.) Hilliard & B.L.Burt; *P.C. Zietsman 3503* (PRE); *J.M. Anderson 1063* (PRE)

tarsodes Hilliard & B.L.Burt; *Gertenbach & Groenewald 9016* (KSAN)

Wahlenbergia Schrad. ex Roth

dieterlenii (E.Phillips) Lammers; *P.C. Zietsman 3029* (PRE)

krebsii Cham. subsp. **krebsii**; *Gertenbach & Groenewald 9112* (KSAN); *B.R. Roberts 3213* (PRE)

undulata (L.f.) A.DC.; *M.L. Jacobs 8559* (PRE); *B.R. Roberts 3323* (PRE)

virgata Engl.; *S. Barendse 36* (PRE); *P.C. Zietsman 68* (PRE)

CARYOPHYLLACEAE

Cerastium arabis E.Mey. ex Fenzl; *B-E. & M. van Wyk 2628* (JRAU); *L.C.C. Liebenberg 6923* (PRE)

Dianthus

basuticus Burt Davy subsp. **basuticus** var. **basuticus**; *B-E. & M. van Wyk 2512* (JRAU); *L.C.C. Liebenberg 6841* (PRE)

micropetalus Ser.; *D.C.H. Plowes 7065* (PRE)

Silene L.

pilosellifolia Cham. & Schtdl.; *B-E. & M. van Wyk 2529* (KSAN); *Gertenbach & Groenewald 8711* (KSAN); *Gertenbach & Groenewald 8868* (KSAN)

undulata Aiton; *B.R. Roberts 3288* (PRE)

CELASTRACEAE

Gymnosporia (Wight & Arn.) Hook.f.

buxifolia (L.) Szyszyl.; *P.C. Zietsman 69* (PRE); *B-E. & M. van Wyk 2385a* (JRAU)

heterophylla (Eckl. & Zeyh.) Loes.; *B-E. & M. van Wyk 2385a* (JRAU); *Gertenbach & Groenewald 8965* (KSAN)

Maytenus Molina

acuminata (L.f.) Loes. var. **acuminata**; *B-E. & M. van Wyk 2373a* (JRAU); *Gertenbach & Groenewald 8959* (KSAN)

peduncularis (Sond.) Loes.; *B-E. & M. van Wyk 2874* (KSAN); *P.C. Zietsman 2989* (PRE)

undata (Thunb.) Blakelock; *B-E. & M. van Wyk 2383a* (JRAU); *Gertenbach & Groenewald 8976* (PRE)

CHENOPODIACEAE

Chenopodium L.

***album** L.; *L.C.C. Liebenberg 7474* (PRE); *P.C. Zietsman 3250* (PRE)

***giganteum** D.Don; *Gertenbach & Groenewald 9218* (PRE)

CONVOLVULACEAE

Convolvulus L.

natalensis Bernh. ex Krauss; *P.C. Zietsman 3241* (PRE)

sagittatus Thunb.; *M.P.K. Meyer 7044* (PRE)

thunbergii Roem. & Schult.; *L.C.C. Liebenberg 7306* (PRE)

Ipomoea L.

crassipes Hook.; *D.C.H. Plowes 7058* (PRE)

oblongata E.Mey. ex Choisy; *B.R. Roberts 3216* (PRE); *L.C.C. Liebenberg 6786* (PRE)

pellita Hallier f.; *Gertenbach & Groenewald 9154* (PRE)

CRASSULACEAE

Cotyledon orbiculata L. var. **orbiculata**; *B-E. & M. van Wyk 2451* (JRAU)

Crassula L.

alba Forssk. var. **alba**; *B-E. & M. van Wyk 2960* (PRE)

capitella Thunb. subsp. **thyrsiflora** (Thunb.) Toelken; *B-E. & M. van Wyk 2806* (KSAN)

compacta Schönland; *B-E. & M. van Wyk 2499* (JRAU); *Gertenbach & Groenewald 8986* (PRE)

dependens Bolus; *R. Story 1950* (PRE); *L. & P.C. Zietsman 540* (PRE)

lanceolata (Eckl. & Zeyh.) Endl. ex Walp. subsp. **lanceolata**; *L.C.C. Liebenberg 7531* (PRE); *B.R. Roberts 3202* (PRE)

sarcocaulis Eckl. & Zeyh. subsp. **rupicola** Toelken; *Gertenbach & Groenewald 8985* (PRE); *B.R. Roberts 3341* (PRE)

setulosa Harv. var. **setulosa**; *Gertenbach & Groenewald 8736* (KSAN); *H. Bezuidenhout HB711* (PRE)

vaginata Eckl. & Zeyh. subsp. **vaginata**; *B-E. & M. van Wyk 2866* (KSAN); *Groenewald 8714* (PRE)

CUCURBITACEAE

Coccinia hirtella Cogn.; *Gertenbach & Groenewald 8913* (KSAN); *B.R. Roberts 3315* (PRE)

Kedrostis foetidissima (Jacq.) Cogn.; *J.W. Potgieter 312* (BLFU)

Zehneria scabra (L.f.) Sond. subsp. **scabra**; *L.C.C. Liebenberg 7573* (PRE)

DIPSACACEAE

Scabiosa columbaria L.; *Gertenbach & Groenewald 8909* (KSAN); *B.R. Roberts 3027* (PRE)

EBENACEAE

Diospyros L.

austro-africana De Winter

var. **austro-africana**; *Gertenbach & Groenewald 8992* (KSAN)

var. **rubriflora** (De Winter) De Winter; *B-E. & M. van Wyk 2314, 2349a* (JRAU); *B.R. Roberts 3456* (PRE)

whyteana (Hiern) F.White; *Gertenbach & Groenewald 8962* (PRE); *B.R. Roberts 3398* (PRE)

Euclea Murray

coriacea A.DC.; *B-E. & M. van Wyk 2312* (JRAU); *L.C.C. Liebenberg 7547* (PRE)

crispa (Thunb.) Guerke subsp. **crispa**; *Gertenbach & Groenewald 8967* (KSAN); *P.C. Zietsman 3293* (PRE)

ERICACEAE

Erica L.

algida Bolus; *Gertenbach & Groenewald 9105* (PRE); *D.J.B. Killick 4535* (PRE)

alopecurus Harv. var. **alopecurus**; *Gertenbach & Groenewald 9029* (KSAN); *L.C.C. Liebenberg 8234* (PRE)

cerinthoides L. var. **cerinthoides**; *Gertenbach & Groenewald 9210* (KSAN); *A. Spies 43* (PRE)

drakensbergensis Guthrie & Bolus; *Daemane & Gerald 1* (KSAN)

flanaganii Bolus; *L.C.C. Liebenberg 7300* (PRE)

leucopelta Tausch var. **leucopelta**; *Gertenbach & Groenewald 9003* (PRE); *A. van der Zeyde 106* (PRE)

maesta Bolus var. **maesta**; *Gertenbach & Groenewald 9226* (PRE); *P.C. Zietsman 50* (PRE)

woodii Bolus var. **woodii**; *B.R. Roberts 3083, 3308* (PRE)

EUPHORBIACEAE

Acalypha punctata Meisn. var. **punctata**; *Gertenbach & Groenewald 8902* (KSAN)

Clutia L.

dregeana Scheele; *P.C. Zietsman 2986* (PRE)

hirsuta (Sond.) Müll.Arg. var. **hirsuta**; *P.C. Zietsman 2842* (PRE)

natalensis Bernh.; *B-E. & M. van Wyk 2438* (KSAN); *L.C.C. Liebenberg 6845* (PRE)

pulchella L.

var. **obtusata** Sond.; *Gertenbach & Groenewald 8960* (KSAN)

var. **pulchella**; *B-E. & M. van Wyk 2378a* (JRAU); *Gertenbach & Groenewald 8944* (PRE)

Euphorbia L.

clavarioides Boiss. var. **clavarioides**; *B-E. & M. van Wyk 2304* (JRAU); *Gertenbach & Groenewald 8995* (PRE)

Euphorbia L. (cont.)

- epicyparissias** E.Mey. ex Boiss.; *Daemane & Gerald* 22 (KSAN)
striata Thunb. var. **striata**; *B-E. & M. van Wyk* 2357 (JRAU); *Gertenbach & Groenewald* 8836 (KSAN)

FABACEAE

Acacia Mill.

- ***dealbata** Link.; *Gertenbach & Groenewald* 9222 (KSAN)
 ***decurrens** (J.C.Wendl.) Willd.; *H. Bezuidenhout* HB819 (PRE)
 ***mearnsii** De Wild.; *P.C. Zietsman* 2519 (PRE)

Argyrobium Eckl. & Zeyh.

- harveyanum** Oliv.; *P.C. Zietsman* 2561 (PRE)
negrescens Duemmer; *G. Germishuizen* 690 (PRE)
tuberosum Eckl. & Zeyh.; *B-E. & M. van Wyk* 2726 (KSAN);
L.C.C. Liebenberg 7529 (PRE)

Calpurnia E.Mey.

- intrusa** (R.Br. in W.T.Aiton.) E.Mey.; *B-E. & M. van Wyk* 2527a (JRAU); *Gertenbach & Groenewald* 8954 (KSAN)
sericea Harv.; *L.C.C. Liebenberg* 7553 (PRE); *J.C. Scheepers* 1826 (PRE)

Dichilus DC.

- lebeckioides** DC.; *I. von Teichman* 472 (PRE)
strictus E.Mey.; *B-E. & M. van Wyk* 2559 (JRAU); *L.C.C. Liebenberg* 7471a (PRE)

Dolichos angustifolius Eckl. & Zeyh.; *P.C. Zietsman* 3555 (PRE)**Elephantorrhiza elephantina** (Burch.) Skeels; *B-E. & M. van Wyk* 2497 (JRAU)**Eriosema salignum** E.Mey.; *B-E. & M. van Wyk* 2754 (KSAN); *T. Saaiman* 781 (PRE)**Indigofera** L.

- dimidiata** Vogel ex Walp.; *B-E. & M. van Wyk* 2719 (KSAN); *L.C.C. Liebenberg* 7336 (PRE)
hedyantha Eckl. & Zeyh.; *B-E. & M. van Wyk* 2816 (JRAU); *P.C. Zietsman* 3245 (PRE)
hilaris Eckl. & Zeyh. var. **hilaris**; *P.C. Zietsman* 2809 (PRE); *T. Saaiman* 737 (PRE)
rostrata Bolus; *A. Spies* 13 (PRE)
tristis E.Mey.; *Gertenbach & Groenewald* 8854 (KSAN); *L.C.C. Liebenberg* 7504 (PRE)

Lessertia DC.

- capitata** E.Mey.; *L.C.C. Liebenberg* 7289 (PRE)
depressa Harv.; *B-E. & M. van Wyk* 2779 (JRAU); *L.C.C. Liebenberg* 6939 (PRE)
pauciflora Harv. var. **pauciflora**; *B.R. Roberts* 3212 (PRE)
perennans (Jacq.) DC.
 var. **perennans**; *P.J. du Preez* 2483 (PRE)
 var. **polystachya** (Harv.) L.Bolus; *L.C.C. Liebenberg* 7277a (PRE); *B.R. Roberts* 3225 (PRE)
stricta L.Bolus; *B-E. & M. van Wyk* 2524 (PRE); *A. Ueckermann* 7039 (PRE)

Lotononis (DC.) Eckl. & Zeyh.

- adpressa** N.E.Br. subsp. **adpressa**; *B-E. & M. van Wyk* 2648 (KSAN); *G. Germishuizen* 717 (PRE)
calycina (E.Mey.) Benth.; *B-E. & M. van Wyk* 2355 (KSAN); *L.C.C. Liebenberg* 7528a (PRE)
eriantha Benth.; *P.C. Zietsman* 3247 (PRE)
foliosa Bolus; *L.C.C. Liebenberg* 7548 (PRE)
lanceolata (E.Mey.) Benth.; *L.C.C. Liebenberg* 7035 (PRE)
lava Eckl. & Zeyh.; *B-E. & M. van Wyk* 2410 (KSAN); *L.C.C. Liebenberg* 6929 (PRE)
lotononoides (Scott-Elliott) B-E. van Wyk; *B-E. & M. van Wyk* 2560 (KSAN); *G. Germishuizen* 688 (PRE)
procumbens Bolus; *Gertenbach & Groenewald* 9113 (KSAN); *L.C.C. Liebenberg* 6943 (PRE)
sericophylla Benth.; *Gertenbach & Groenewald* 8996 (PRE); *P.C. Zietsman* 549 (PRE)

Medicago laciniata** (L.) Mill. var. **laciniata**; *B-E. & M. van Wyk* 2316 (KSAN)Melilotus alba** Desr.; *B-E. & M. van Wyk* 2649 (KSAN); *Gertenbach & Groenewald* 9158 (PRE)**Melolobium** Eckl. & Zeyh.

- alpinum** Eckl. & Zeyh.; *Gertenbach & Groenewald* 9206 (PRE); *G. Germishuizen* 691 (PRE)
microphyllum (L.f.) Eckl. & Zeyh.; *B-E. & M. van Wyk* 2354 (PRE); *Gertenbach & Groenewald* 9004 (PRE)

Otholobium polystictum (Benth. ex Harv.) C.H.Stirt.; *B-E. & M. van Wyk* 2343 (KSAN); *P.C. Zietsman* 2992 (PRE)**Rhynchosia** Lour.

- caribaea** (Jacq.) DC.; *B-E. & M. van Wyk* 2829 (KSAN); *L.C.C. Liebenberg* 6900 (PRE)

reptabunda N.E.Br.; *P.C. Zietsman* 40 (PRE)**totta** (Thunb.) DC. var. **totta**; *B-E. & M. van Wyk* 2500 (KSAN); *P.C. Zietsman* 3201 (PRE)**Sutherlandia** R.Br. ex W.T.Aiton**frutescens** (L.) R.Br.; *Daemane & Gerald* 40 (KSAN)**montana** E.Phillips & R.A.Dyer; *B-E. & M. van Wyk* 2771 (KSAN)**Tephrosia** Pers.**capensis** (Jacq.) Pers. var. **capensis**; *L.C.C. Liebenberg* 6805 (PRE); *P.C. Zietsman* 2490 (PRE)**purpurea** (L.) Pers. subsp. **leptostachya** (DC.) Brummitt var. **leptostachya**; *P.C. Zietsman* 3000 (PRE)**semiglabra** Sond.; *P.C. Zietsman* 879 (PRE); *T. Saaiman* 879 (PRE)**Trifolium** L.**africanum** Ser. var. **africanum**; *B-E. & M. van Wyk* 2541 (PRE); *L.C.C. Liebenberg* 6906 (PRE)**burchellianum** Ser. subsp. **burchellianum**; *Gertenbach & Groenewald* 8922 (KSAN); *D.C.H. Plowes* 7064 (PRE)***Vicia** L.**benghalensis** L.; *J.J. Meyer* 3176 (PRE)**sativa** L. subsp. **sativa**; *Gertenbach & Groenewald* 9190 (PRE); *T. Saaiman* 850 (PRE)

FUMARIACEAE

Cysticapnos pruinosa (Bernh.) Lidén; *B.R. Roberts* 3439 (BLFU)

GENTIANACEAE

Sebaea Sol. ex R.Br.**exigua** (Oliv.) Schinz; *J.W. Potgieter* 332 (BLFU)**filiformis** Schinz; *P.C. Zietsman* 498 (PRE)**grandis** (E.Mey.) Steud.; *H. Bezuidenhout* 707 (KSAN); *P.C. Zietsman* 488 (PRE)**leciostyla** Gilg.; *Gertenbach & Groenewald* 710 (PRE); *B.R. Roberts* 3097 (PRE)**minutissima** Hilliard & B.L.Burt; *H. Bezuidenhout* 843 (KSAN)**natalensis** Schinz; *Gertenbach & Groenewald* 9002 (KSAN); *P.C. Zietsman* 3024 (PRE)**rehmannii** Schinz; *L.C.C. Liebenberg* 6902 (PRE)**sedoide** Gilg var. **confertiflora** (Schinz.) Marais; *J.W. Potgieter* 331 (BLFU)

GERANIACEAE

Geranium L.**incanum** Burm.f. var. **incanum**; *B-E. & M. van Wyk* 2624 (KSAN); *L.C.C. Liebenberg* 7337 (PRE)**magniflorum** R.Knuth; *B.R. Roberts* 3131 (PRE); *P.C. Zietsman* 3330 (PRE)**robustum** Kuntze; *Gertenbach & Groenewald* 9022 (KSAN); *L.C.C. Liebenberg* 7287 (PRE)**schlechteri** R.Kunth; *B-E. & M. van Wyk* 2549 (KSAN); *P.C. Zietsman* 2885 (PRE)**wakkerstroomianum** R.Knuth; *P.C. Zietsman* 3286 (KSAN); *T. Saaiman* 772 (PRE)**Monsonia brevisrostrata** R.Knuth; *B-E. & M. van Wyk* 2860 (KSAN); *P.C. Zietsman* 2907 (PRE)**Pelargonium** L'Hér.**alchemilloides** (L.) L'Hér.; *B-E. & M. van Wyk* 2767 (KSAN); *Gertenbach & Groenewald* 9106 (PRE)**bowkeri** Harv.; *P.C. Zietsman* 3567 (PRE); *L.C.C. Liebenberg* 8238 (PRE)**grossularioides** (L.) L'Hér.; *Gertenbach & Groenewald* 9230 (PRE)**luridum** (Andrews) Sweet; *B-E. & M. van Wyk* 2577 (KSAN)**minimum** (Cav.) Willd.; *B-E. & M. van Wyk* 2353 (KSAN)

GESNERIACEAE

Streptocarpus Lindl.**gardenii** Hook.; *L.C.C. Liebenberg* 7569 (PRE)**polyanthus** Hook. subsp. **dracomontanus** Hilliard; *B.R. Roberts* 3429 (PRE)**pusillus** Harv. ex C.B.Clarke; *B.R. Roberts* 3267 (PRE); *L.C.C. Liebenberg* 7569a (PRE)

GREYIACEAE

Greyia sutherlandii Hook. & Harv.; *B-E. & M. van Wyk* 2341 (KSAN); *Gertenbach & Groenewald* 9198 (PRE)

GUNNERACEAE

Gunnera perpensa L.; *B-E. & M. van Wyk* 2625 (KSAN); *B.R. Roberts* 3425 (PRE)

ICACINACEAE

Cassinopsis ilicifolia (Hochst.) Kuntze; *B-E. & M. van Wyk 2386a* (KSAN); *Gertenbach & Groenewald 8973* (PRE)

LAMIACEAE

Acrotome inflata Benth.; *L. & P.C. Zietsman 527* (PRE)

Ajuga ophrydis Burch. ex Benth.; *B-E. & M. van Wyk 2384* (KSAN); *L.C.C. Liebenberg 7427* (PRE)

Mentha L.

aquatica L.; *B.R. Roberts 3292* (PRE)

longifolia (L.) Huds. subsp. **capensis** (Thunb.) Briq.; *B.R. Roberts 3307* (PRE); *L.C.C. Liebenberg 6843* (PRE)

Plectranthus grallatus Briq.; *B.R. Roberts 3239* (PRE); *L.C.C. Liebenberg 7475* (PRE)

Salvia repens Burch. ex Benth.

var. **repens**; *Gertenbach & Groenewald 8916* (KSAN); *S. Barendse 49* (KSAN)

var. **transvaalensis** Hedge; *P.C. Zietsman 2904* (PRE)

Stachys L.

dregeana Benth.; *L.C.C. Liebenberg 7039* (PRE); *B.R. Roberts 3103* (PRE)

grandifolia E.Mey. ex Benth.; *L.C.C. Liebenberg 7321* (PRE); *M.P.K. Meyer 7051* (PRE)

hyssooides Burch. ex Benth.; *P.C. Zietsman 3329* (PRE)

LIMEACEAE

Limeum viscosum (J.Gay) Fenzl subsp. **viscosum** var. **glomeratum** (Eckl. & Zeyh.) Friedrich; *B.R. Roberts 3373* (PRE)

LINACEAE

Linum thunbergii Eckl. & Zeyh.; *B-E. & M. van Wyk 2526* (KSAN); *B.R. Roberts 3322* (PRE)

LOBELIACEAE

Cyphia oblongifolia Sond. & Harv.; *B.R. Roberts 3115* (PRE); *L.C.C. Liebenberg 7524* (PRE)

Lobelia L.

angolensis Engl. & Diels; *L.C.C. Liebenberg 6894* (PRE); *R.O. Mof-fett 5700* (PRE)

erinus L.; *B.R. Roberts 3138* (PRE); *P.C. Zietsman 533* (PRE)

flaccida (C.Presl.) A.DC. subsp. **flaccida**; *B-E. & M. van Wyk 2395* (KSAN); *Gertenbach & Groenewald 8924* (KSAN)

preslii A.DC.; *L.C.C. Liebenberg 6991* (PRE)

Monopsis decipiens (Sond.) Thulin; *Gertenbach & Groenewald 8869* (PRE); *B.R. Roberts 3418* (PRE)

MALVACEAE

Hibiscus L.

aethiopicus L. var. **ovatus** Harv.; *Gertenbach & Groenewald 8896* (KSAN); *P.C. Zietsman 3238* (PRE)

trionum L.; *B-E. & M. van Wyk 2547* (KSAN); *L.C.C. Liebenberg 7532* (PRE)

***Malva parviflora** L. var. **parviflora**; *B-E. & M. van Wyk 2843* (KSAN)

MELIANTHACEAE

Melianthus dregeanus Sond. subsp. **insignis** (Kuntze) S.A.Tansley; *M.L. Jacobs 8554* (PRE)

MESEMBRYANTHEMACEAE

Delosperma N.E.Br. emend. Lavis

ashtonii L.Bolus; *B-E. & M. van Wyk 2305* (KSAN)

congestum L.Bolus; *B.R. Roberts 3435* (PRE)

cooperi (Hook.f.) L.Bolus; *L.C.C. Liebenberg 7508* (PRE)

crassuloides (Haw.) L.Bolus; *P.C. Zietsman 3357* (PRE)

deleewiae Lavis; *B.R. Roberts 3410* (PRE)

hirtum (N.E.Br.) Schwantes; *L.C.C. Liebenberg 6919* (PRE)

lavisiae L.Bolus; *L.C.C. Liebenberg 7509* (PRE); *P.C. Zietsman 470* (PRE)

liebenbergii L.Bolus; *Gertenbach & Groenewald 8984* (KSAN); *L.C.C. Liebenberg 7509* (PRE)

wethamae L.Bolus; *B.R. Roberts 3411* (PRE)

Ruschia putterillii (L.Bolus) L.Bolus; *Gertenbach & Groenewald 699* (KSAN); *L.C.C. Liebenberg 7586* (PRE)

MOLLUGINACEAE

Pharnaceum detonsum Fenzl; *L.C.C. Liebenberg 6988* (PRE)

Psammotropha Eckl. & Zeyh.

mucronata (Thunb.) Fenzl

var. **foliosa** Adamson; *L.C.C. Liebenberg 6920* (PRE)

var. **marginata** Adamson; *B.R. Roberts 3304* (PRE); *P.C. Zietsman 3015* (PRE)

var. **mucronata**; *Gertenbach & Groenewald 8982* (PRE); *P.C. Zietsman 3558* (PRE)

myriantha Sond.; *L.C.C. Liebenberg 8220* (PRE)

MYRICACEAE

Morella serrata (Lam.) Killick; *B-E. & M. van Wyk 2881a* (KSAN); *P.C. Zietsman 2962* (PRE)

MYRSINACEAE

Myrsine africana L.; *B-E. & M. van Wyk 2324* (KSAN); *Gertenbach & Groenewald 8953* (PRE)

Rapanea melanophloeos (L.) Mez; *B-E. & M. van Wyk 2375a* (KSAN); *Gertenbach & Groenewald 9205* (KSAN)

OLEACEAE

***Ligustrum** sp.; *Gertenbach & Groenewald 9183* (KSAN)

OLINIACEAE

Olinia emarginata Burt Davy; *B-E. & M. van Wyk 2374a* (KSAN); *Gertenbach & Groenewald 8961* (PRE)

ONAGRACEAE

Epilobium L.

capense Buchinger ex Hochst.; *J.W. Potgieter 110* (BLFU)

hirsutum L.; *L.C.C. Liebenberg 7527* (PRE)

salignum Hausskn.; *P.C. Zietsman 2981* (PRE); *L.C.C. Liebenberg 7495* (PRE)

***Oenothera** L.

biennis L.; *L.C.C. Liebenberg 7526* (PRE)

glazioviana Micheli; *L.C.C. Liebenberg 7445* (PRE); *D.J. Steyn 31* (PRE)

indecora Cambess. subsp. **indecora**; *B-E. & M. van Wyk 2688* (KSAN)

laciniata Hill; *P.C. Zietsman 3271* (PRE)

parodiana Munz subsp. **parodiana**; *L. & P.C. Zietsman 497* (PRE)

rosea L'Hér. ex Aiton; *B-E. & M. van Wyk 2350* (KSAN); *Gertenbach & Groenewald 8841* (KSAN)

stricta Ledeb. ex Link subsp. **stricta**; *B-E. & M. van Wyk 2784* (KSAN); *T. Saaiman 854* (PRE)

tetraptera Cav.; *Gertenbach & Groenewald 8908* (KSAN); *B.R. Roberts 3360* (PRE)

OROBANCHACEAE

Cycnium racemosum Benth.; *Gertenbach & Groenewald 9015* (KSAN); *B.R. Roberts 3285* (PRE)

Harveya Hook.

coccinea (Harv.) Schltr.; *B.R. Roberts 3129* (PRE)

speciosa Bernh.; *P.C. Zietsman 2909* (PRE)

Hyobanche sanguinea L.; *L.C.C. Liebenberg 7325* (PRE)

Sopubia cana Harv. var. **cana**; *Groenewald 8717* (PRE); *L.C.C. Liebenberg 6875* (PRE)

Striga Lour.

asiatica (L.) Kuntze; *L. & P.C. Zietsman 499* (PRE)

bilabiata (Thunb.) Kuntze subsp. **bilabiata**; *L.C.C. Liebenberg 6904* (PRE); *D.C.H. Plowes 7061* (PRE)

elegans Benth.; *Gertenbach & Groenewald 8910* (KSAN); *L.C.C. Liebenberg 6986* (PRE)

OXALIDACEAE

Oxalis L.

depressa Eckl. & Zeyh.; *B-E. & M. van Wyk 2397* (KSAN)

obliquifolia Steud. ex A.Rich.; *Gertenbach & Groenewald 9121* (KSAN); *L.C.C. Liebenberg 6808* (PRE)

PAPAVERACEAE

Papaver aculeatum Thunb.; *B-E. & M. van Wyk 2618* (KSAN); *Gertenbach & Groenewald 9160* (PRE)

PHYTOLACCACEAE

Phytolacca L.

heptandra Retz.; *B.R. Roberts 3329* (PRE)

octandra L.; *B-E. & M. van Wyk 2614* (KSAN)

PIPERACEAE

Peperomia tetraphylla (G.Forst.) Hook. & Arn.; *B-E. & M. van Wyk 2364a* (KSAN)

PITTOSPORACEAE

Pittosporum viridiflorum Sims; *B-E. & M. van Wyk 2371a* (KSAN); *Gertenbach & Groenewald 8968* (KSAN)

PLANTAGINACEAE

Plantago lanceolata L.; *Gertenbach & Groenewald 9182* (PRE)

POLYGALACEAE

Muraltia alticola Schltr.; *B-E. & M. van Wyk 2942* (PRE); *B.R. Roberts 3296* (PRE)

Polygala L.

- amatymbica** Eckl. & Zeyh.; *J.W. Potgieter 475*(BLFU)
gerrardii Chodat; *Gertenbach & Groenewald 8901* (KSAN); *P.C. Zietsman 2963* (PRE)
gracilentia Burt Davy; *B.R. Roberts 3032* (PRE); *Gertenbach & Groenewald 8866* (PRE)
gymnoclada MacOwan; *Gertenbach & Groenewald 9008* (PRE)
hispidula Burch. ex DC.; *B-E. & M. van Wyk 2581* (KSAN); *Gertenbach & Groenewald 8870* (KSAN)
hottentotta C.Presl; *B-E. & M. van Wyk 2383* (KSAN); *B.R. Roberts 3135* (PRE)
ohlendorffiana Eckl. & Zeyh.; *B-E. & M. van Wyk 2528* (KSAN); *Gertenbach & Groenewald 8892* (PRE)
rehmannii Chodat; *B-E. & M. van Wyk 2571* (KSAN); *T. Saaiman 835* (PRE)
rhinostigma Chodat; *P.C. Zietsman 3564* (KSAN); *B.R. Roberts 3124* (PRE)
uncinata E.Mey. ex Meisn.; *T. Saaiman 746* (PRE)
virgata Thunb. var. **decora** (Sond.) Harv.; *Daemane & Gerald 11* (KSAN)

POLYGONACEAE

- ***Persicaria lapathifolia** (L.) Gray; *L.C.C. Liebenberg 7477* (PRE)
 ***Polygonum aviculare** L.; *B-E. & M. van Wyk 2761* (KSAN); *G. Germishuizen 4405* (PRE)

Rumex L.

- acetosella** subsp. **angiocarpus** (Murb.) Murb.; *B-E. & M. van Wyk 2762* (KSAN); *Gertenbach & Groenewald 9126* (PRE)
bequaertii De Wild.; *P.C. Zietsman 3234* (PRE)
 ***crispus** L.; *B-E. & M. van Wyk 2630* (KSAN); *Gertenbach & Groenewald 8917* (KSAN)
lanceolatus Thunb.; *L.C.C. Liebenberg 6970* (PRE); *B.R. Roberts 3331* (PRE)
steudellii Hochst. ex A.Rich.; *Gertenbach & Groenewald 9219* (PRE); *G. Germishuizen 4404* (PRE)
woodii N.E.Br.; *Gertenbach & Groenewald 8849* (PRE)

PROTEACEAE

Protea L.

- caffra** Meisn. subsp. **caffra**; *B-E. & M. van Wyk 2360* (KSAN); *Gertenbach & Groenewald 9185* (PRE)
roupelliae Meisn. subsp. **roupelliae**; *B-E. & M. van Wyk 2333* (KSAN); *Gertenbach & Groenewald 9186* (PRE)
subvestita N.E.Br.; *H. Bezuidenhout 700* (KSAN); *E.M. van Zinderen Bakker 18* (PRE)

RANUNCULACEAE

Clematis brachiata Thunb.; *B.R. Roberts 3226* (PRE); *L.C.C. Liebenberg 7564* (PRE)

Ranunculus L.

- meyeri** Harv.; *B-E. & M. van Wyk 2769* (KSAN)
multifidus Forssk.; *B-E. & M. van Wyk 2478* (KSAN); *Gertenbach & Groenewald 9162* (PRE)
Thalictrum minus L.; *B.R. Roberts 3289* (PRE); *M.P.K. Meyer 7010* (PRE)

RHAMNACEAE

Rhamnus prinoides L'Hér.; *Gertenbach & Groenewald 9211* (KSAN)

ROSACEAE

Alchemilla woodii Kuntze; *J.C. Scheepers 1860* (PRE); *L.C.C. Liebenberg 6950* (PRE)

Cliffortia L.

- filicauloides** Weim.; *B.R. Roberts 3441*(BLFU)
linearifolia Eckl. & Zeyh.; *Daemane & Gerald 34* (KSAN); *P.C. Zietsman 2617* (PRE)

nitidula (Engl.) R.E.Fr. & T.C.E.Fr. subsp. **pilosa** Weim.; *Gertenbach & Groenewald 8969* (PRE)

ramosissima Schltr.; *J.W. Potgieter 334* (BLFU)

***Cotoneaster pannosus** Franch.; *T. Saaiman 848* (PRE)

Leucosidea sericea Eckl. & Zeyh.; *Gertenbach & Groenewald 8952* (PRE); *L.C.C. Liebenberg 8229* (PRE)

***Pyrus communis** L.; *P.C. Zietsman 3507* (PRE)

***Rosa rubiginosa** L.; *B-E. & M. van Wyk 2643* (KSAN)

Rubus L.

ludwigii Eckl. & Zeyh. subsp. **ludwigii**; *B.R. Roberts 3391* (PRE); *R.G. Strey 2881* (PRE)

rigidus Sm.; *L.C.C. Liebenberg 7272* (PRE); *M. Jacobs 8557* (PRE)

RUBIACEAE

Anthospermum L.

herbaceum L.f.; *L.C.C. Liebenberg 6873* (PRE)

rigidum Eckl. & Zeyh. subsp. **rigidum**; *L.C.C. Liebenberg 6945* (PRE)

spathulatum Spreng. subsp. **spathulatum**; *B.R. Roberts 3121* (PRE)

Canthium ciliatum (Klotzsch) Kuntze; *Daemane & Gerald 07* (KSAN); *B.R. Roberts 3397* (PRE)

Galium L.

capense Thunb.

subsp. **capense**; *B.R. Roberts 3454* (PRE)

subsp. **garipense** (Sond.) Puff; *L.C.C. Liebenberg 7044* (PRE)

scabrelloides Puff; *M.P.K. Meyer 6970* (PRE)

spurium L. subsp. **africanum** Verdc.; *Gertenbach & Groenewald 8899* (PRE)

subvillosum Sond. var. **subvillosum**; *L.C.C. Liebenberg 6827* (PRE)

thunbergianum Eckl. & Zeyh.

var. **hirsutum** (Sond.) Verdc.; *P.C. Zietsman 2976* (PRE)

var. **thunbergianum**; *B.R. Roberts 3221* (PRE); *M. Jacobs 8566* (PRE)

Kohautia amatymbica Eckl. & Zeyh.; *B-E. & M. van Wyk 2377* (KSAN); *P.C. Zietsman 3515* (PRE)

Pentanisia Harv.

angustifolia (Hochst.) Hochst.; *P.C. Zietsman 2471* (PRE); *T. Saaiman 714* (PRE)

prunelloides (Klotzsch ex Eckl. & Zeyh.) Walp.; *B-E. & M. van Wyk 2346* (KSAN); *L.C.C. Liebenberg 7331* (PRE)

Pygmaeoathamnus chamaedendrum (Kuntze) Robyns var. **setulosus** Robyns; *T. Saaiman 868* (PRE); *P.C. Zietsman 3288* (PRE)

RUTACEAE

Clausena anisata (Willd.) Hook.f. ex Benth.; *B-E. & M. van Wyk 2368a* (KSAN)

SALICACEAE

***Populus alba** L.; *Gertenbach & Groenewald 9221* (PRE)

Salix L.

***babylonica** L. var. **babylonica**; *Gertenbach & Groenewald 9224* (KSAN)

caprea L.; *M. Jacobs 8572* (PRE)

***fragilis** L. var. **fragilis**; *L. Henderson 898* (PRE)

Scolopia mundii (Eckl. & Zeyh.) Warb.; *B-E. & M. van Wyk 2379a* (KSAN); *P.C. Zietsman 35* (PRE)

SANTALACEAE

Osyris lanceolata Hochst. & Steud.; *Gertenbach & Groenewald 8971* (KSAN)

Thesium L.

durum Hilliard & B.L.Burt; *B.R. Roberts 3432* (PRE)

imbricatum Thunb.; *P.C. Zietsman 3561* (PRE); *B.R. Roberts 3116* (PRE)

macrogyne A.W.Hill; *L.C.C. Liebenberg 6928* (PRE)

SCROPHULARIACEAE

Aptosimum indivisum Burch. ex Benth.; *S. Barendse 20* (KSAN)

Diascia integerrima E.Mey. ex Benth.; *B.R. Roberts 3274* (PRE); *L.C.C. Liebenberg 6990* (PRE)

Dielis rotundifolia (Hiern) Hilliard & B.L.Burt; *B.R. Roberts 3335* (PRE); *L.C.C. Liebenberg 7405* (PRE)

Glumicalyx Hiern

apiculatus (E.Mey.) Hilliard & B.L.Burt; *B.R. Roberts 3076* (PRE)

Glumicalyx Hiern (cont.)

nutans (Rolf) Hilliard & B.L.Burt; *B.R. Roberts 3198* (PRE)

Halleria lucida L.; *B-E. & M. van Wyk 2320* (KSAN); *P.C. Zietsman 2969* (PRE)

Hebenstretia L.

comosa Hochst.; *B.R. Roberts 3095* (PRE); *L.C.C. Liebenberg 6905* (PRE)

dentata L.; *M.J. Werger 1618* (PRE)

dura Choisy; *B-E. & M. van Wyk 2356a* (KSAN); *L.C.C. Liebenberg 6994* (PRE)

integrifolia L.; *B.R. Roberts 3108* (PRE)

Jamesbrittenia Kuntze

atropurpurea (Benth.) Hilliard subsp. **atropurpurea**; *B.R. Roberts 3104* (PRE)

aurantiaca (Burch.) Hilliard; *D.C.H. Plowes 7066* (PRE)

pristisepala (Hiern) Hilliard; *B.R. Roberts 3144* (PRE); *P.C. Zietsman 2894* (PRE)

stricta (Benth.) Hilliard; *L. & P.C. Zietsman 3574* (PRE)

Limosella maior Diels; *P.C. Zietsman 3574* (PRE)**Manulea** L.

buchneroides Hilliard & B.L. Burt; *S. Barendse 40* (KSAN)

crassifolia Benth.

subsp. **crassifolia**; *B.R. Roberts 3417* (BLFU)

subsp. **thodeana** (Diels) Hilliard; *B.R. Roberts 3336* (BLFU)

paniculata Benth.; *J.W. Potgieter 230* (BLFU)

Mimulus gracilis R.Br.; *T. Saaiman 871* (PRE)**Nemesia** Vent.

caerulea Hiern; *L. & P.C. Zietsman 539* (PRE)

fruticans (Thunb.) Benth.; *Gertenbach & Groenewald 9009* (KSAN)

melissifolia Benth.; *B.R. Roberts 3249* (PRE)

rupicola Hilliard; *Groenewald & Daleen 8750* (PRE); *L.C.C. Liebenberg 7534* (PRE)

umbonata (Hiern) Hilliard & B.L. Burt; *B.R. Roberts 3197* (PRE); *S. Barendse 35* (KSAN)

Phygelius E.Mey. ex Benth.

aequalis Harv. ex Hiern; *Gertenbach & Groenewald 8943* (KSAN); *B.R. Roberts 3310* (PRE)

capensis E.Mey. ex Benth.; *B-E. & M. van Wyk 2362a* (KSAN); *L.C.C. Liebenberg 6903* (PRE)

Selago L.

densiflora Rolfe; *Gertenbach & Groenewald 9133* (KSAN); *B.R. Roberts 3008* (PRE)

flanaganii Rolfe; *Daemane & Gerald 17* (KSAN)

galpinii Schltr.; *Gertenbach & Groenewald 8742* (PRE); *D.G. Steyn 29* (PRE)

innata Markötter; *L.C.C. Liebenberg 8222* (PRE)

tenuifolia (Rolfe) Hilliard; *J.W. Potgieter 93* (BLFU)

Sutera Roth

floribunda (Benth.) Kuntze; *P.C. Zietsman 42* (PRE)

halimifolia (Benth.) Kuntze; *J. Engelbrecht 595* (NMB)

neglecta (J.M. Wood & M.S. Evans) Hiern; *B.R. Roberts 3078* (PRE); *R. Story 1953* (PRE)

polelensis Hiern subsp. **polelensis**; *B.R. Roberts 3383* (PRE); *L.C.C. Liebenberg 6809* (PRE)

Veronica anagallis-aquatica L.; *Gertenbach & Groenewald 8918* (KSAN); *B.R. Roberts 3309* (PRE)**Zaluzianskya** F.W. Schmidt, nom. cons.

microsiphon (Kuntze) K. Schum.; *B.R. Roberts 3313* (PRE)

ovata (Benth.) Walp.; *B.R. Roberts 3366* (PRE)

pulvinata Killick; *J.C. Scheepers GG73* (PRE)

schmitziae Hilliard & B.L. Burt; *L.C.C. Liebenberg 68591* (PRE); *B.R. Roberts 3050* (PRE)

SOLANACEAE

***Datura ferox** L.; *Gertenbach & Groenewald 9214* (KSAN)

***Nierembergia linariifolia** Graham var. **glabriuscula** (Dunal) Cocucci & Hunziker; *Gertenbach & Groenewald 9127* (KSAN)

Solanum L.

***nigrum** L.; *J.W. Potgieter 543* (BLFU); *B.R. Roberts 3257* (BLFU)

***pseudocapsicum** L.; *Gertenbach & Groenewald 8989* (PRE); *H. Bezuidenhout 690* (KSAN)

retroflexum Dunal; *B.R. Roberts 3262* (PRE); *L.C.C. Liebenberg 6877* (PRE)

Withania somnifera (L.) Dunal; *Gertenbach & Groenewald 8930* (PRE)

STERCULIACEAE**Hermannia** L.

coccocarpa (Eckl. & Zeyh.) Kuntze; *S. Barendse 11* (KSAN)

cordata (E.Mey. ex E. Phillips) De Winter; *Gertenbach & Groenewald 8861* (PRE); *P.C. Zietsman 2873* (PRE)

depressa N.E.Br.; *B-E. & M. van Wyk 2675* (KSAN); *A.A. Mauve 4928* (PRE)

erodioides (Burch. ex DC.) Kuntze; *P.C. Zietsman 2879* (PRE)

geniculata Eckl. & Zeyh.; *R. Story 1955* (PRE)

THYMELAEACEAE**Gnidia** L.

burchellii (Meisn.) Gilg; *Gertenbach & Groenewald 8993* (KSAN); *J.M. Anderson 1060* (PRE)

caffra (Meisn.) Gilg; *T. Saaiman 733* (PRE)

capitata L.f.; *L.C.C. Liebenberg 8237* (PRE)

fastigiata Rendle; *Groenewald & Daneel 8728* (PRE)

gymnostachya (C.A. Mey.) Gilg; *Gertenbach & Groenewald 8728* (KSAN)

kraussiana Meisn. var. **kraussiana**; *B-E. & M. van Wyk 2797* (KSAN); *B.R. Roberts 3176* (PRE)

Passerina montana Thoday; *B-E. & M. van Wyk 2364* (KSAN); *Gertenbach & Groenewald 9104* (PRE)

URTICACEAE

Urtica lohulata Blume; *Groenewald 8709* (PRE); *B.R. Roberts 3269* (PRE)

VALERIANACEAE

Valeriana capensis Thunb. var. **capensis**; *L.C.C. Liebenberg 6972* (PRE); *B.R. Roberts 3415* (PRE)

VERBENACEAE

***Verbena rigida** Spreng; *Gertenbach & Groenewald 9159* (KSAN)

VITACEAE

Rhoicissus tridentata (L.f.) Wild & R.B. Drumm. subsp. **cuneifolia** (Eckl. & Zeyh.) Urton; *B-E. & M. van Wyk 2865* (KSAN); *Gertenbach & Groenewald 9157* (PRE)

MONOCOTYLEDONS**AGAPANTHACEAE**

Agapanthus campanulatus F.M. Leight. subsp. **patens** (F.M. Leight.) F.M. Leight.; *A. Spies PRE 35028* (PRE); *B.R. Roberts 3098* (PRE)

ALLIACEAE**Tulbaghia** L.

acutiloba Harv.; *Gertenbach & Groenewald 8857* (KSAN); *L.C.C. Liebenberg 8235* (PRE)

leucantha Baker; *S. Barendse 6* (KSAN)

AMARYLLIDACEAE

Boophone disticha (L.f.) Herb.; *B-E. & M. van Wyk 2303* (KSAN); *Gertenbach & Groenewald 8997* (KSAN)

Cyrtanthus Aiton

contractus N.E.Br.; *S. Barendse 24*; *P.C. Zietsman 3565* (PRE)

stenanthus Baker var. **stenanthus**; *Gertenbach & Groenewald 8842* (PRE)

tuckii Baker

var. **transvaalensis** I. Verd.; *B-E. & M. van Wyk 2467* (KSAN); *Gertenbach & Groenewald 9018* (PRE)

var. **viridilobus** I. Verd.; *G.J. Lewis 6157* (PRE)

Haemanthus humilis Jacq. subsp. **hirsutus** (Baker) Snijman; *B-E. & M. van Wyk 2441* (KSAN); *L.C.C. Liebenberg 7313* (PRE)

ANTHERICACEAE

Chlorophytum fasciculatum (Baker) Kativu; *Gertenbach & Groenewald 8893* (PRE); *S. Barendse 42* (KSAN)

ARACEAE

Zantedeschia albomaculata (Hook.) Baill.

subsp. **albomaculata**; *Gertenbach & Groenewald 9147* (KSAN); *L.C.C. Liebenberg 7442* (PRE)

subsp. **macrocarpa** (Engl.) Letty; *B.R. Roberts 3146* (PRE)

ASPARAGACEAE**Asparagus** L.

africanus Lam.; *P.C. Zietsman 3266* (PRE); *B.R. Roberts 3219* (PRE)

asparagoides (L.) Druce; *J.W. Potgieter 180* (BLFU); *B.R. Roberts 3230* (BLFU)

Asparagus L. (cont.)

- microraphis** (Kunth) Baker; *Daemane & Gerald 15* (KSAN)
plumosus Baker; *Gertenbach & Groenewald 8956* (PRE)
ramosissimus Baker; *Gertenbach & Groenewald 9169* (KSAN)

ASPHODELACEAE

- Aloe** L.
ecklonis Salm-Dyck; *B.R. Roberts 3446* (PRE); *L.C.C. Liebenberg 7443* (PRE)
greatheadii Schönland var. **davyana** (Schönland) Glen & D.S.Hardy; *B-E & M. van Wyk 2340* (KSAN)
- Bulbine** Wolf
abyssinica A.Rich.; *P.C. & L. Zietsman 1357* (PRE)
capitata Poelln.; *Gertenbach & Groenewald 9145* (PRE)
favosa (Thunb.) Schult. & Schult.f.; *L.C.C. Liebenberg 7501* (PRE)
frutescens (L.) Willd.; *L.C.C. Liebenberg 7533a* (PRE)
lagopus (Thunb.) N.E.Br.; *B.R. Roberts 3184* (BLFU)
- Kniphofia** Moench
caulescens Baker; *J.C. Scheepers 5956* (PRE); *E.A. Bruce 395* (PRE)
porphyrantha Baker; *B-E & M. van Wyk 2796* (KSAN); *B.R. Roberts 3451* (PRE)
ritualis Codd; *L.E.W. Codd 10537* (PRE); *B.R. Roberts 3452* (PRE)
triangularis Kunth subsp. **triangularis**; *J.C. Scheepers 1816* (PRE); *B.R. Roberts 3387* (PRE)
- Trachyandra** Kunth
asperata Kunth
 var. **asperata**; *Gertenbach & Groenewald 9146* (PRE); *P.C. Zietsman 3568* (PRE)
 var. **basutoensis** (Poelln.) Oberm.; *B.R. Roberts 3182* (PRE)
saltii (Baker) Oberm. var. **saltii**; *L.C.C. Liebenberg 7539* (PRE); *P.C. Zietsman 2821* (PRE)

COLCHICACEAE

- Androcymbium striatum** A.Rich.; *Gertenbach & Groenewald 9144* (PRE)
Littonia modesta Hook.; *Groenewald 8702* (PRE); *C.D. Blom 304* (PRE)

COMMELINACEAE

- Commelina africana** L. var. **lancispatha** C.B.Clark; *L.C.C. Liebenberg 7447* (PRE); *B.R. Roberts 3030* (PRE)

CYPERACEAE

- Abildgaardia ovata** (Burm.f.) Kral; *L.C.C. Liebenberg 747* (PRE)
Asolepis capensis (Kunth) Ridl.; *T. Saaiman 819* (PRE)
- Bulbostylis** Kunth
contexta (Nees) M.Bodard; *B.R. Roberts 3010* (PRE); *P.C. Zietsman 3168* (PRE)
humilis (Kunth) C.B.Clark; *L.C.C. Liebenberg 6521* (PRE)
oritrephe (Ridl.) C.B.Clark; *B.R. Roberts 3214* (PRE); *P.C. Zietsman 565* (PRE)
schoenoides (Kunth) C.B.Clark; *Gertenbach & Groenewald 8823* (PRE)
scleropus C.B.Clark; *S. Barendse 34* (PRE)
- Carex** L.
***acutiformis** Ehrh.; *L.C.C. Liebenberg 7319* (PRE); *T. Saaiman 843* (PRE)
cognata Kunth; *L.C.C. Liebenberg 7557* (PRE); *G. Germishuizen 4406* (PRE)
glomerabilis Krecs.; *P.C. Zietsman 2675* (PRE)
- Cyperus** L.
congestus Vahl; *Gertenbach & Groenewald 9200* (KSAN); *B.R. Roberts 3181* (PRE)
esculentus var. **esculentus**; *Gertenbach & Groenewald 9215* (PRE)
marginatus Thunb.; *L.C.C. Liebenberg 7555* (PRE); *M. Van Aswegen 16* (PRE)
obtusiflorus Vahl
 var. **flavissimus** (Schrad.) Boeck; *Gertenbach & Groenewald 8825* (PRE); *S. Barendse 31* (KSAN)
 var. **obtusiflorus**; *B.R. Roberts 3214* (BLFU)
rigidifolius Steud.; *B.R. Roberts 3140* (PRE); *L.C.C. Liebenberg 7413* (PRE)
rotundus L.; *J.W. Potgieter 413* (BLFU)
rupestris Kunth var. **rupestris**; *R.D. Stam 214* (PRE)
schlechteri C.B.Clark; *B.R. Roberts 3096* (PRE)
semitrifidus Schrad.; *B.R. Roberts 3039* (PRE); *P.C. Zietsman 3193* (PRE)
- Eleocharis** R.Br.
dregeana Steud.; *Gertenbach & Groenewald 9048* (PRE); *P.C. Zietsman 3233* (PRE)
stolonifera Boeck.; *L.C.C. Liebenberg 7413a* (PRE)
- Fuirena** Rottb.
coerulescens Steud.; *B.R. Roberts 3250* (BLFU)
pubescens (Poir.) Kunth. var. **pubescens**; *Gertenbach & Groenewald 8712* (KSAN); *B.R. Roberts 3250* (PRE)
- Isolepis** R.Br.
cernua (Vahl) Roem. & Schult. var. **cernua**; *Gertenbach & Groenewald 9173* (PRE); *L.C.C. Liebenberg 7530* (PRE)
costata A.Rich.; *Gertenbach & Groenewald 9044* (PRE); *B.R. Roberts 3295* (PRE)
- Kyllinga** Rottb.
erecta Schumach. var. **erecta**; *Gertenbach & Groenewald 8827* (PRE)
pauciflora Ridl.; *T. Saaiman 754* (PRE)
- Pycreus** P.Beauv.
macranthus (Boeck.) C.B.Clark; *Gertenbach & Groenewald 8824* (KSAN); *B.R. Roberts 3180* (PRE)
mundii Nees; *L.C.C. Liebenberg 7440* (PRE)
nitidus (Lam.) J.Raynal; *J.W. Potgieter 478* (BLFU)
- Schoenoxiphium** Nees
basutorum Turrill; *Gertenbach & Groenewald 9047* (PRE)
madagascariense Cherm.; *P.C. Zietsman 2951* (PRE)
perdensum Kukkonen; *B.R. Roberts 3224* (PRE)
sparteum (Wahlenb.) C.B.Clark; *Gertenbach & Groenewald 9081* (KSAN); *T. Saaiman 784* (PRE)
- Schoenus nigricans** L.; *P.C. Zietsman 76* (PRE); *R.D. Stam 207* (PRE)
- Scirpoides burkei** (C.B.Clark) Goeth., Muasya & D.A.Simpson; *Gertenbach & Groenewald 9156* (KSAN); *L.C.C. Liebenberg 6889* (PRE)
- Scirpus** L.
falsus C.B.Clark; *L.C.C. Liebenberg 7530a* (PRE)
ficinioides Kunth; *H. Bezuidenhout 751* (PRE); *L.C.C. Liebenberg 7491* (PRE)
- Scleria woodii** C.B.Clark; *Gertenbach & Groenewald 9093* (KSAN); *B.R. Roberts 3087* (PRE)

DIOSCOREACEAE

- Dioscorea sylvatica** (Kunth) Eckl. var. **sylvatica**; *L.C.C. Liebenberg 6832* (PRE); *P.C. Zietsman 2971* (PRE)

ERIOSPERMACEAE

- Eriospermum cooperi** Baker var. **cooperi**; *B.R. Roberts 3464* (PRE)

HYACINTHACEAE

- Dipcadi marlothii** Engl.; *Gertenbach & Groenewald 8851* (PRE)
- Drimia** Jacq.
multisetosa (Baker) Jessop; *P.C. Zietsman 3554* (PRE)
sphaerocephala Baker; *Gertenbach & Groenewald 8831* (PRE); *B.R. Roberts 3204* (PRE)

EUCOMIS L'HÉR.

- autumnalis** (Mill.) Chitt. subsp. **clavata** (Baker) Reyneke; *L.C.C. Liebenberg 7525a* (PRE)
bicolor Baker; *B.R. Roberts 3434* (PRE)

GALTONIA DECNE.

- candicans** Decne.; *L.C.C. Liebenberg 7562* (PRE)
viridiflora I.Verd.; *B.R. Roberts 3447* (PRE)

LEDEBOURIA ROTH

- cooperi** (Hook.f.) Jessop; *B-E & M. van Wyk 2420* (KSAN); *B.R. Roberts 3271* (PRE)
marginata (Baker) Jessop; *H. Bezuidenhout 689* (KSAN); *P.C. Zietsman 3522* (PRE)

- Merwillia plumbea** (Lindl.) Speta; *Gertenbach & Groenewald 9172* (KSAN); *L.C.C. Liebenberg 7230* (PRE)

ORNITHOGALLUM L.

- setosum** (Jacq.) J.C.Manning & Goldblatt; *L.C.C. Liebenberg 7537a* (PRE); *P.C. Zietsman 3525* (PRE)
shawii (Baker) J.C.Manning & Goldblatt; *B.R. Roberts 3137* (PRE); *M.L. Jacobs 8563* (PRE)
tortile (Baker) J.C.Manning & Goldblatt; *L.C.C. Liebenberg 7339* (PRE)

- Schizocarphus nervosus** (Burch.) Van der Merwe; *Gertenbach & Groenewald 8846* (KSAN); *P.C. Zietsman 2831* (PRE)

HYPOXIDACEAE

- Empodium elongatum** (Nel) B.L.Burr.; *P.C. Zietsman 3500* (PRE)

HYPOXIS L.

- acuminata** Baker; *B-E & M. van Wyk 2461*; *Gertenbach & Groenewald 9125* (PRE)
argentea Harv. ex Baker var. **argentea**; *Gertenbach & Groenewald 9120* (PRE); *P.C. Zietsman 3517* (PRE)

Hypoxis L. (cont.)

- costata** Baker; *B-E. & M. van Wyk* 2463 (KSAN); *Gertenbach & Groenewald* 9138 (PRE)
filiformis Baker; *L.C.C. Liebenberg* 7499 (PRE); *S. Barendse* 15 (KSAN)
gerrardii Baker; *J.W. Potgieter* 325 (BLFU)
iridifolia Baker; *L.C.C. Liebenberg* 7329 (PRE); *P.C. Zietsman* 3165 (PRE)
obtusa Burch. ex Ker Gawl.; *J.W. Potgieter* 109 (BLFU)
rigidula Baker var. **rigidula**; *Gertenbach & Groenewald* 8925 (KSAN)
villosa L.f. var. **villosa**; *Gertenbach & Groenewald* 8927 (KSAN); *Gertenbach & Groenewald* 8898 (PRE)
Rhodohypoxis baurii (Baker) Nel var. **confecta** Hilliard & B.L. Burt; *Gertenbach & Groenewald* 8852 (PRE)

IRIDACEAE

Aristea Aiton

- abyssinica** Pax; *Gertenbach & Groenewald* 8937 (PRE); *B-E. & M. van Wyk* 2580 (KSAN)
montana Baker; *B.R. Roberts* 3139 (PRE)
torulosa Klatt; *Gertenbach & Groenewald* 8704 (KSAN, PRE)
Dierama K. Koch
cooperi N.E.Br.; *L.C.C. Liebenberg* 8244 (PRE); *B.R. Roberts* 3379 (PRE)
robustum N.E.Br.; *B.R. Roberts* 3120 (PRE)

Gladiolus L.

- crassifolius** Baker; *H. Bezuidenhout* 706 (KSAN); *B.R. Roberts* 3119 (PRE)
dalenii Van Geel subsp. **dalenii**; *B.R. Roberts* 3393 (PRE); *B. Geysler* 2 (PRE)
elliottii Baker; *P.C. Zietsman* 3235 (PRE)
longicollis Baker subsp. **platypetalus** (Baker) Goldblatt & J.C. Manning; *B-E. & M. van Wyk* 2554 (KSAN); *Gertenbach & Groenewald* 8844 (PRE)
papilio Hook.f.; *B-E. & M. van Wyk* 2642 (KSAN); *Gertenbach & Groenewald* 9150 (PRE)
permeabilis D. Delaroché subsp. **edulis** (Burch. ex Ker Gawl.) Oberm.; *Gertenbach & Groenewald* 9229 (PRE); *B.R. Roberts* 3081 (PRE)
saundersii Hook.f.; *J.W. Potgieter* 369 (BLFU)

Hesperantha Ker Gawl.

- baurii** Baker subsp. **baurii**; *R. Story* 1963 (PRE); *D.B. Muller* (NMB)
candida Baker; *L.C.C. Liebenberg* 8227 (PRE)
coccinea (Bachh. & Harv.) Goldblatt & J.C. Manning; *A. Spies* 36106 (PRE); *A. Dieterlen* 917 (PRE)
leucantha Baker; *L.C.C. Liebenberg* 7011 (PRE)

Moraea Mill.

- brevistyla** (Goldblatt) Goldblatt; *P.C. Zietsman* 3514 (KSAN); *B.R. Roberts* 3403 (PRE)
huttonii (Baker) Oberm.; *H. Bezuidenhout* 698 (KSAN); *P.C. Zietsman* 37 (PRE)
modesta Killick; *S. Barendse* 2 (KSAN); *P.C. Zietsman* 58 (PRE)
robusta (Goldblatt) Goldblatt; *L.C.C. Liebenberg* 7324 (PRE)
stricta Baker; *L.C.C. Liebenberg* 8219 (PRE)

- Tritonia lineata** (Salisb.) Ker Gawl. var. **lineata**; *Gertenbach & Groenewald* 8903 (KSAN); *L.C.C. Liebenberg* 8239 (PRE)

- Watsonia lepida** N.E.Br.; *Gertenbach & Groenewald* 8843 (PRE)

JUNCACEAE

Juncus L.

- dregeanus** Kunth; *Gertenbach & Groenewald* 9045 (PRE)
exsertus Buchenau subsp. **exsertus**; *B.R. Roberts* 3345 (PRE); *P.C. Zietsman* 516 (PRE)
inflexus L.; *Gertenbach & Groenewald* 9023 (PRE); *P.C. Zietsman* 517 (PRE)
oxycarpus E.Mey. ex Kunth; *Gertenbach & Groenewald* 9046 (KSAN)
punctorius L.f.; *Gertenbach & Groenewald* 9007 (KSAN); *P.C. Zietsman* 2616 (PRE)

ORCHIDACEAE

Brownleea Harv. ex Lindl.

- galpinii** Bolus subsp. **galpinii**; *R. Story* 1964 (PRE)
macroceras Sond.; *D.J.B. Killick* 4528 (PRE)
parviflora Harv. ex Lindl.; *J.W. Potgieter* 360 (BLFU)
Corycium nigrescens Sond.; *B.R. Roberts* 3444 (PRE)
Disa versicolor Rchb.f.; *A. Spies* 35401 (PRE); *P.C. Zietsman* 2793 (PRE)

Eulophia R.Br. ex Lindl.

- aculeata** (L.f.) Spreng. subsp. **huttonii** (Rolfe) A.V.Hall; *P.C. Zietsman* 3315 (PRE)
foliosa (Lindl.) Bolus; *P.C. Zietsman* 3174 (PRE)
hians Spreng.
 var. **hians**; *L.C.C. Liebenberg* 7274 (PRE); *P.C. Zietsman* 2793 (PRE)
 var. **nutans** (Sond.) S.Thomas; *J.P.H. Acocks* 21944 (PRE)
ovalis Lindl. var. **ovalis**; *Gertenbach & Groenewald* 9153 (KSAN)
Holothrix scopularia (Lindl.) Rchb.f.; *B.R. Roberts* 3173 (PRE)
Satyrium Sw.
longicauda Lindl. var. **jacottetianum** (Kraenzl.) A.V.Hall; *B.R. Roberts* 3421 (PRE)
neglectum Schltr. subsp. **neglectum**; *S.Venter* 2876, 2884 (PRE)
parviflorum Sw.; *J.W. Potgieter* 240 (BLFU)

POACEAE

Agrostis L.

- barbuligera** Stapf var. **longipilosa** Gooss. & Papendorf; *B.R. Roberts* 3280 (PRE)
bergiana Trin. var. **bergiana**; *B.R. Roberts* 3253 (PRE)
eriantha Hack. var. **eriantha**; *Gertenbach & Groenewald* 9091 (PRE); *L.C.C. Liebenberg* 7500 (PRE)
lachnantha Nees var. **lachnantha**; *B-E. & M. van Wyk* 2868 (KSAN); *Gertenbach & Groenewald* 9050 (PRE)
Andropogon L.
amethystinus Steud.; *R.P. Ellis* 4996 (PRE)
appendiculatus Nees; *B-E. & M. van Wyk* 2645 (KSAN); *Gertenbach & Groenewald* 8808 (PRE)
distachyos L.; *Gertenbach & Groenewald* 8880 (PRE); *P.C. Zietsman* 557 (PRE)
ravus J.G. Anderson; *Gertenbach & Groenewald* 9085 (PRE); *L.C.C. Liebenberg* 7518 (PRE)

Aristida L.

- bipartita** (Nees) Trin. & Rupr.; *L.C.C. Liebenberg* 6961 (PRE)
congesta Roem. & Schult.
 subsp. **barbicollis** (Trin. & Rupr.) De Winter; *Gertenbach & Groenewald* 9161 (KSAN); *P.C. Zietsman* 568 (PRE)
 subsp. **congesta**; *B-E. & M. van Wyk* 2493 (KSAN); *Gertenbach & Groenewald* 9094 (PRE)
diffusa Trin. subsp. **burkei** (Stapf) Melderis; *B-E. & M. van Wyk* 2774 (KSAN); *Gertenbach & Groenewald* 9096 (PRE)
junciformis Trin. & Rupr.
 subsp. **galpinii** (Stapf) De Winter; *Gertenbach & Groenewald* 8878 (KSAN); *P.C. Zietsman* 3014 (PRE)
 subsp. **junciformis**; *Gertenbach & Groenewald* 9095 (PRE); *H. Bezuidenhout* 757 (PRE)
 ***Avena fatua** L.; *B-E. & M. van Wyk* 2766 (KSAN); *Gertenbach & Groenewald* 9139 (PRE)

Brachiaria (Trin.) Griseb.

- ***advena** Vickery; *L.C.C. Liebenberg* 6858 (PRE)
eruciformis (Sm.) Griseb.; *J.W. Potgieter* 168 (BLFU)
marlothii (Hack.) Stent; *R. Story* 5475 (KSAN)
serrata (Thunb.) Stapf; *B-E. & M. van Wyk* 2589 (KSAN); *Gertenbach & Groenewald* 9060 (PRE)

Brachypodium P.Beauv.

- bolusii** Stapf; *B.R. Roberts* 3065 (PRE); *L.C.C. Liebenberg* 7488 (PRE)
flexum Nees; *B.R. Roberts* 3332 (PRE); *L.C.C. Liebenberg* 6828 (PRE)

Bromus L.

- ***catharticus** Vahl; *B-E. & M. van Wyk* 2603 (KSAN); *Gertenbach & Groenewald* 8876 (PRE)
firmior (Nees) Stapf; *B-E. & M. van Wyk* 2736 (KSAN); *Gertenbach & Groenewald* 9090 (PRE)
speciosus Nees; *Gertenbach & Groenewald* 8819 (PRE); *B.R. Roberts* 3166 (PRE)

- Catalepis gracilis** Stapf & Stent; *B-E. & M. van Wyk* 2674 (KSAN); *Gertenbach & Groenewald* 9149 (KSAN)

- Chloris virgata** Sw.; *G. Potts* 4511 (PRE)

Cymbopogon Spreng.

- caesius** (Hook. & Arn.) Stapf; *Gertenbach & Groenewald* 9192 (PRE)
dieterleniae Stapf ex E. Phillips; *B-E. & M. van Wyk* 2653 (KSAN); *Gertenbach & Groenewald* 9035 (PRE)
nardus (L.) Rendle; *Gertenbach & Groenewald* 9061 (KSAN); *L.C.C. Liebenberg* 7411 (PRE)
pospischilii (K.Schum.) C.E. Hubb.; *B-E. & M. van Wyk* 2613 (KSAN); *Gertenbach & Groenewald* 9092 (PRE)

- Cymbopogon** Spreng. (cont.)
prolixus (Stapf) E. Phillips; *Gertenbach & Groenewald 8877* (PRE); *T. Saaiman 842* (PRE)
- Cynodon** Rich.
dactylon (L.) Pers.; *B-E. & M. van Wyk 2686* (KSAN); *Gertenbach & Groenewald 9193* (PRE)
hirsutus Stent; *Gertenbach & Groenewald 9041* (PRE); *B.R. Roberts 3316* (PRE)
- ***Dactylis glomerata** L.; *Gertenbach & Groenewald 9110* (KSAN)
- Digitaria** Haller f.
eriantha Steud.; *Gertenbach & Groenewald 9087* (PRE)
flaccida Stapf; *B.R. Roberts 3014* (BLFU)
monodactyla (Nees) Stapf; *B-E. & M. van Wyk 2583* (KSAN); *Gertenbach & Groenewald 9063* (PRE)
natalensis Stent; *L.C.C. Liebenberg 7459* (KSAN); *B.R. Roberts 3013* (PRE)
- ***sanguinalis** (L.) Scop.; *B.R. Roberts 3167* (PRE)
setifolia Stapf; *J.W. Potgieter 210* (BLFU)
ternata (A.Rich.) Stapf; *P.C. Zietsman 529* (PRE)
tricholaenoides Stapf; *B-E. & M. van Wyk 2611* (KSAN); *B.R. Roberts 3951* (PRE)
- Diheteropogon filifolius** (Nees) Clayton; *B-E. & M. van Wyk 2485* (KSAN); *B.R. Roberts 3062* (PRE)
- Ehrharta** Thunb.
erecta Lam.
 var. **erecta**; *B.R. Roberts 3236* (PRE); *L.C.C. Liebenberg 7455* (PRE)
 var. **natalensis** Stapf; *Gertenbach & Groenewald 9202* (PRE)
longigluma C.E.Hubb.; *R. Story 961* (PRE); *H.C. Taylor 1506* (PRE)
- Eليونurus muticus** (Spreng.) Kuntze; *B-E. & M. van Wyk 2484* (KSAN); *Gertenbach & Groenewald 8812* (PRE)
- Enneapogon desvauxii** P.Beauv.; *J.W. Potgieter 433* (BLFU)
- Eragrostis** Wolf
caesia Stapf; *H. Bezuidenhout 754* (PRE); *L. & P.C. Zietsman 485* (PRE)
capensis (Thunb.) Trin.; *B-E. & M. van Wyk 2388* (KSAN); *Gertenbach & Groenewald 8804* (PRE)
chloromelas Steud.; *Gertenbach & Groenewald 9030* (PRE); *L.C.C. Liebenberg 6822* (PRE)
curvula (Schrad.) Nees; *B-E. & M. van Wyk 2548* (KSAN); *Gertenbach & Groenewald 8884* (PRE)
gummiflua Nees; *J.W. Potgieter 216* (BLFU)
heteromera Stapf; *L.C.C. Liebenberg 7558* (PRE)
lehmanniana Nees var. **lehmanniana**; *B-E. & M. van Wyk 2654* (KSAN)
obtusa Munro ex Ficalho & Hiern; *J.W. Potgieter 431* (BLFU)
patentissima Hack.; *P.C. Zietsman 3007* (PRE)
plana Nees; *B-E. & M. van Wyk 2672* (KSAN); *Gertenbach & Groenewald 9037* (PRE)
planiculmis Nees; *Gertenbach & Groenewald 9140* (KSAN); *L.C.C. Liebenberg 7412* (PRE)
racemosa (Thunb.) Steud.; *B-E. & M. van Wyk 2495* (KSAN); *Gertenbach & Groenewald 9076* (PRE)
sclerantha Nees subsp. **sclerantha**; *J.W. Potgieter 201* (BLFU)
 ***tef** (Zucc.) Trotter; *B-E. & M. van Wyk 2590* (KSAN); *L.C.C. Liebenberg 7495* (PRE)
trichophora Coss. & Durieu; *A.P. Goossens 1085* (PRE)
- Festuca** L.
caprina Nees; *L.C.C. Liebenberg 7570* (PRE); *B.R. Roberts 3365* (PRE)
costata Nees; *B-E. & M. van Wyk 2712* (KSAN); *Gertenbach & Groenewald 8886* (PRE)
longipes Stapf; *Gertenbach & Groenewald 9100* (KSAN); *B. van Ginkel 353* (PRE)
scabra Vahl; *Gertenbach & Groenewald 9082* (PRE); *T. Saaiman 766* (PRE)
- Fingerhuthia sesleriiformis** Nees; *B-E. & M. van Wyk 2864* (KSAN); *Gertenbach & Groenewald 9066* (PRE)
- Harpochloa falx** (L.f.) Kuntze; *B-E. & M. van Wyk 2419* (KSAN); *Gertenbach & Groenewald 8821* (PRE)
- Helictotrichon** Schult.
dodii (Stapf) Schweick.; *B.R. Roberts 3163* (PRE)
hirtulum (Steud.) Schweick.; *B.R. Roberts 3222* (BLFU)
longifolium (Nees) Schweick.; *J.C. Scheepers 1820* (PRE)
turgidulum (Stapf) Schweick.; *Gertenbach & Groenewald 8879* (PRE); *B.R. Roberts 3044* (PRE)
- Hemarthria altissima** (Poir.) Stapf & C.E.Hubb.; *Gertenbach & Groenewald 8746* (PRE); *A.P. Goossens 1263* (PRE)
- Heteropogon contortus** (L.) Roem. & Schult.; *Gertenbach & Groenewald 8820* (PRE); *H. Bezuidenhout 756* (KSAN)
- Hyparrhenia** E.Fourm.
dregeana (Nees) Stapf ex Stent; *Gertenbach & Groenewald 9072* (PRE); *L.C.C. Liebenberg 6820* (KSAN)
hirta (L.) Stapf; *B-E. & M. van Wyk 2492* (KSAN); *Gertenbach & Groenewald 9069* (PRE)
quarrei Robyns; *B-E. van Wyk 2872* (KSAN)
- Imperata cylindrica** (L.) Rausch.; *B-E. & M. van Wyk 2607* (KSAN); *Gertenbach & Groenewald 9151* (PRE)
- Karroochloa purpurea** (L.f.) Conert & Türpe; *B-E. & M. van Wyk 2365* (KSAN); *Gertenbach & Groenewald 9088* (PRE)
- Koeleria capensis** (Steud.) Nees; *B-E. & M. van Wyk 2567* (KSAN); *Gertenbach & Groenewald 9064* (PRE)
- ***Lolium** L.
multiflorum Lam.; *B-E. & M. van Wyk 2717* (KSAN)
 × **perenne** L.; *Gertenbach & Groenewald 9049* (PRE)
temulentum L.; *J.W. Potgieter 203* (BLFU)
- Melica** L.
decumbens Thunb.; *J.C. Scheepers 1822* (PRE)
racemosa Thunb.; *B.R. Roberts 3428* (PRE); *L.C.C. Liebenberg 6847* (PRE)
- Melinis** P.Beauv.
nervigulumis (Franch.) Zizka; *B-E. & M. van Wyk 2496* (KSAN); *Gertenbach & Groenewald 8881* (PRE)
repens (Willd.) Zizka subsp. **repens**; *B-E. & M. van Wyk 2612* (KSAN)
- Mexmuellera** Conert
disticha (Nees) Conert; *Roberts 3156* (PRE); *L.C.C. Liebenberg 6964* (PRE)
drakensbergensis (Schweick.) Conert; *J.W. Potgieter 42* (BLFU); *B.R. Roberts 3388* (BLFU)
macowanii (Stapf) Conert; *R.P. Ellis 2394* (PRE)
stereophylla (J.G.Anderson) Conert; *B.R. Roberts 3152* (PRE); *L.C.C. Liebenberg 6963* (PRE)
stricta (Schrad.) Conert; *B-E. & M. van Wyk 2739* (KSAN); *B.R. Roberts 3301* (PRE)
- Microchloa caffra** Nees; *B-E. & M. van Wyk 2579* (KSAN); *Gertenbach & Groenewald 8805* (PRE)
- Miscanthus capensis** (Nees) Andersson; *G. Potts 4525* (PRE); *B.R. Roberts 3164* (PRE)
- Monocymbium ceresiiforme** (Nees) Stapf; *H. Bezuidenhout 761* (KSAN); *Gertenbach & Groenewald 9057* (PRE)
- Panicum** L.
coloratum L. var. **coloratum**; *J.W. Potgieter 199* (BLFU)
ecklonii Nees; *B-E. & M. van Wyk 2582* (KSAN); *Gertenbach & Groenewald 9051* (PRE)
natalense Hochst.; *Gertenbach & Groenewald 9179* (PRE); *P.C. Zietsman 3169* (PRE)
schinzii Hack.; *B-E. & M. van Wyk 2848* (KSAN); *Gertenbach & Groenewald 9073* (PRE)
- ***Paspalum dilatatum** Poir.; *B-E. & M. van Wyk 2563* (KSAN); *Gertenbach & Groenewald 9052* (PRE)
- Pennisetum** Rich.
sphacelatum (Nees) T.Durand & Schinz; *Gertenbach & Groenewald 9068* (PRE); *B.R. Roberts 3066* (PRE)
thunbergii Kunth; *B-E. & M. van Wyk 2635* (PRE); *Gertenbach & Groenewald 8875* (PRE)
- Pentascistis** (Nees) Spach
airoides (Nees) Stapf subsp. **jugorum** (Stapf) H.P.Linder; *L.C.C. Liebenberg 7492* (PRE); *R. Story 1962* (PRE)
basutorum Stapf; *Gertenbach & Groenewald 9027* (PRE); *B.R. Roberts 3388* (PRE)
oreodoxa Schweick.; *L.C.C. Liebenberg 7515* (PRE)
setifolia (Thunb.) McClean; *L.C.C. Liebenberg 6908* (PRE); *B.R. Roberts 3157* (PRE)
- ***Phalaris arundinacea** L.; *Gertenbach & Groenewald 9043* (PRE); *Groenewald & Daleen 8730* (PRE)
- Phragmites australis** (Cav.) Steud.; *P.C. Zietsman 521* (PRE); *G. Potts 4522* (PRE)
- Poa** L.
 ***annua** L.; *L.C.C. Liebenberg 7338* (PRE)
binata Nees; *B-E. & M. van Wyk 2414* (KSAN); *Gertenbach & Groenewald 8822* (PRE)
 ***pratensis** L.; *Gertenbach & Groenewald 9034* (KSAN)
- ***Polypogon viridis** (Gouan) Breistr.; *B-E. & M. van Wyk 2863* (KSAN)
- Rendlia altera** (Rendle) Chiov.; *B-E. & M. van Wyk 2370* (KSAN); *Gertenbach & Groenewald 8818* (PRE)
- Setaria** P.Beauv.
nigrirostris (Nees) T.Durand & Schinz; *B-E. & M. van Wyk 2848* (KSAN); *Gertenbach & Groenewald 8885* (PRE)

Setaria P.Beauv. (cont.)

pumila (Poir.) Roem. & Schult.; *B-E. & M. van Wyk* 2870 (KSAN); *Gertenbach & Groenewald* 9070 (PRE)

sphacelata (Schumach.) Moss

var. **sphacelata**; *B-E. & M. van Wyk* 2489 (KSAN); *Gertenbach & Groenewald* 9099 (PRE)

var. **torta** (Stapf) Clayton; *Gertenbach & Groenewald* 8814 (PRE); *P.C. Zietsman* 3018 (PRE)

Sporobolus R.Br.

africanus (Poir.) Robyns & Tournay; *B-E. & M. van Wyk* 2610 (KSAN)

centrifugus (Trin.) Nees; *B-E. & M. van Wyk* 25845 (KSAN); *Gertenbach & Groenewald* 9062 (KSAN)

Stiburus Stapf

alopecuroides (Hack.) Stapf; *Gertenbach & Groenewald* 9042 (PRE); *H. Bezuidenhout* 755 (PRE)

conrathii Hack.; *Gertenbach & Groenewald* 9033 (KSAN); *L.C.C. Liebenberg* 7322 (PRE)

Stipagrostis zeyheri (Nees) De Winter subsp. **sericans** (Hack.) De Winter; *Gertenbach & Groenewald* 9079 (KSAN)

Streblochaete longiarista (A.Rich.) Pilg.; *N. Grobbelaar* 2094 (PRE)

Themeda triandra Forssk.; *Gertenbach & Groenewald* 8803 (PRE); *B.R. Roberts* 3060 (PRE)

Trachypogon spicatus (L.f.) Kuntze; *B-E. & M. van Wyk* 2490 (KSAN); *Gertenbach & Groenewald* 9074 (PRE)

Tragus Haller

koelerioides Asch.; *Groenewald & Daneel* 8744 (PRE)

racemosus (L.) All.; *L.C.C. Liebenberg* 7540 (PRE)

Trichoneura grandiglumis (Nees) Ekman; *Gertenbach & Groenewald* 9098 (PRE)

Tristachya leucothrix Nees; *Gertenbach & Groenewald* 8807 (PRE); *B.R. Roberts* 3172 (PRE)

Urochloa panicoides P.Beauv.; *Gertenbach & Groenewald* 9078 (PRE); *L.C.C. Liebenberg* 6851 (PRE)

RESTIONACEAE

Ischyrolepis schoenoides (Kunth) H.P.Linder; *B.R. Roberts* 3389 (PRE); *L. & P.C. Zietsman* 43 (PRE)

VELLOZIACEAE

Xerophyta viscosa Baker; *Gertenbach & Groenewald* 8988 (PRE); *B.R. Roberts* 3218 (PRE)

XYRIDACEAE

Xyris capensis Thunb.; *B.R. Roberts* 3011 (PRE)