

South Africa

Total no. of Botanic Gardens recorded in South Africa: 19.
Approx. no. of living plant accessions recorded in these botanic gardens: Probably 60,000 to 70,000.
Approx. no. of taxa in these collections: 10,000 to 15,000 (8,000 to 10,000 spp.).
Estimated % of pre-CBD collections: Probably 70% to 80%.

Location: BELLVILLE
Founded: 1977
Garden Name: Cape Flats Nature Reserve
Address: University of the Western Cape, Private Bag X 17, BELLVILLE 7530.
Status: University
Herbarium: Yes Approx. no. of herbarium specimens: Unknown
Ex situ Collections:
No information available.
No. of taxa: 30
Rare & Endangered plants: *Atalaya multiflora*, *Medicoma cunninghamii*.
Special Conservation Collections: *Serruria furcellata*, *S. aemula*, *Leucodendron levisanus*.

Location: BETTY'S BAY
Founded: 1959 (but established in 1950 as a private garden).
Garden Name: Harold Porter National Botanic Garden
Address: National Botanical Institute, Clarence Drive, P.O. Box 35, BETTY'S BAY 7131.
Status: State
Herbarium: Yes Approx. no. of herbarium specimens: c.2,000
Ex situ Collections:
A high proportion of natural vegetation in the garden with associated plant species of coastal dunes, coastal fynbos, mountain fynbos and Afromontane forest relics. Important ex situ collections include: *Disa uniflora*, *Ericas*, *Proteaceae* in reserve, and plants indigenous to the area. 100% of the plant collections are indigenous. 75 plant families are represented in the collections of which the main families are *Asteraceae*, *Ericaceae*, *Fabaceae*, *Proteaceae* and *Restionaceae*.
No. of taxa: 508 species, representation 190 genera.
Rare & Endangered plants: About 25 threatened taxa maintained, including: *Erica porteri*, *Charadrophila capensis*, *Restionaceae*, *Leucospermum bolusii*, *Nivenia stokoei* with special emphasis given to the conservation of fynbos species.

Location: BLOEMFONTEIN
Founded: 1967
Garden Name: Free State National Botanical Garden
Address: P.O. Box 29036, Danhof 9310, BLOMFONTEIN
Sited: National Botanical Institute, Rayton Road, off Dan Pienaar Drive, Blomfontein
Status: State
Herbarium: Yes (GOFS) Approx. no. of herbarium specimens: c.5,000
Ex situ Collections:
A considerable proportion of the Garden is maintained as a natural area, with *Rhus*, *Stipagrostis*, *Eragrostis*, *Cussonia* and succulent plants. All the plants grown in the garden are indigenous. Plants indigenous to the Orange Free State, & N.W.Cape including representatives of about 12 families. The largest living collection of *Rhus* (*Anacardiaceae*) in any botanic garden.
No. of taxa: 100
Rare & Endangered plants: Yes.
Special Conservation Collections: Endangered plants of Southern Africa.

Location: CALEDON
Founded: 1927
Garden Name: Caledon Wildflower Garden
Address: P.O.Box 24, CALEDON 7230.
Status: Unknown.
Herbarium: No.
Ex situ Collections:
No information available.

No. of taxa: Unknown
Rare & Endangered plants: Unknown

Location: CLAREMONT

Founded: 1913.

Garden Name: Kirstenbosch National Botanical Garden

Address: National Botanical Institute, Private Bag X7, CLAREMONT 7735.

Situated: Rhodes Drive, Claremont, Cape Town

Status: State.

Herbarium: Yes, the Compton Herbarium Approx. no. of herbarium specimens: c.500,000.

Ex situ Collections:

Plants indigenous to Southern Africa cultivated. 99.9% of collections are of indigenous species. 187 plant families are represented in the collection. An annual seed catalogue is produced, including seeds from the Garden and from other NBI gardens.

No. of taxa: 5,000

Rare & Endangered plants: 156 threatened plant taxa are in the collection.

Special Conservation Collections: Rare and endangered Fynbos species.

Location: DURBAN

Founded: 1849

Garden Name: Durban Botanic Gardens

Address: P.O. Box 3740, DURBAN 4001.

Situated: 70 St Thomas Road, Durban, 4001.

Status: Municipal

Herbarium: No, but associated with the Natal Herbarium (NH) which holds approximately 1,000 herbarium specimens for the Garden.

Ex situ Collections:

Orchids, bromeliads, palms and cycads (full collection of indigenous species). Approximately 30% of the plant collections are of indigenous taxa.

No. of taxa: c.4,000

Rare & Endangered plants: Stangeria eriopus and other endangered cycads. A pollen bank of cycads is maintained. Medicinal plants.

Location: GEORGE

Founded: Unknown

Garden Name: The Garden Route Botanical Garden

Address: c/o Southern Cape Herbarium, P.O. Box 564, George 6530

Status: Trust administered (The Garden Route Botanical Society)

Herbarium: Yes.

Ex situ Collections:

Native plants.

No. of taxa: Unknown

Rare & Endangered plants: Yes, threatened native plants.

Location: HARRISMITH

Founded: 1967

Garden Name: Drakensberg Botanic Garden

Address: P.O. Box 157, HARRISMITH 9880.

Status: Unknown

Herbarium: Yes Approx. no. of herbarium specimens: 2,000

Ex situ Collections:

Plants indigenous to the Eastern Free State and Drakensberg area.

No. of taxa: Unknown

Rare & Endangered plants: Unknown

Location: JOHANNESBURG

Founded: 1970

Garden Name: The Johannesburg Botanic Garden

Address: PO Box 2824, JOHANNESBURG 2000.

Status: State.

Herbarium: Yes Approx. no. of herbarium specimens: 5,000
Ex situ Collections:
Rosaceae, Fabaceae, Liliaceae, Podocarpaceae, Pinaceae, Amaryllidaceae, Myrtaceae, hardy
Arecaceae, Orchidaceae. The Garden operates the National Rose Trial Grounds of South Africa.
No. of taxa: 3,000
Rare & Endangered plants: Unknown

Location: NELSPRUIT

Founded: 1970.

Garden Name: Lowveld National Botanical Garden

Address: National Botanical Institute, P.O.Box 1024, NELSPRUIT 3206.

Situated: Off White River Road, Nespuit.

Status: State

Herbarium: Yes (GLOW) Approx. no. of herbarium specimens: 8,000

Ex situ Collections:

Plants indigenous to Lowveld: trees, cycads. Much of the Garden is maintained as a natural area with
Combretum collinum, Sclerocara birrea, Lannea stuhlmannii, Peltophorum africanum, Terminalia
sericea, Pterocarpus angolensis and the grasses, Hyperthelia dissoluta, Heteropogon contortus,
Hyparrhenia hirta and Setaria sphacelata. 99% of the plant collection is of indigenous taxa. Pollen
collections of Clivia spp. and cycads are stored at low temperatures for medium-term periods. 114 plant
families are represented amongst the collections including a large Combretaceae collection and a
woody Rutaceae collection.

No. of taxa: 2,054+

Rare & Endangered plants: Yes, 120 species.

Special Conservation Collections: Rare and endangered cycads (Encephalartos spp.), maintained as
population collections of 50 to 100 individuals each.

Location: PAARL

Founded: 1957

Garden Name: Arboretum of the Municipality of Paarl

Address: PO Box 12, PAARL, Cape Province.

Status: Municipal

Herbarium: No

Ex situ Collections:

No information available.

No. of taxa: 111

Rare & Endangered plants: Unknown

Location: PIETERMARITZBURG

Founded: 1870

Garden Name: Natal National Botanical Garden

Address: National Botanical Institute, Mayor's Walk, Pietermaritzburg P.O.Box 21667, Dorpsruut
3206.

Status: State.

Herbarium: No.

Ex situ Collections:

About 80% of the Garden area is natural vegetation of Ngongoni Veld, with dominant Trimeria
grandiflora, Combretum kraussii, Halleria lucida, Themeda triandra and Aristida junciformis. About
75% of the plants in the collection are indigenous. The main families represented in the Garden are
Amaryllidaceae, Asteraceae, Iridaceae and Poaceae. Plants indigenous to Natal.

No. of taxa: c.1,500

Rare & Endangered plants: 35 species, including Kniphofia pauciflora (ex), K. leucocephala (E),
Dierama erectum (E), D. nixonianum (R), Aloe prinslooii (R) and the exotic species Camellia
crapnelliana and Aloe suzannae. Streptocarpus, Summer rainfall Gladiolus.

Location: POTCHEFSTROOM

Founded: 1962

Garden Name: Potchefstroom University Botanic Garden

Address: Potchefstroom University, POTCHEFSTROOM.

Status: University.

Herbarium: Yes Approx. no. of herbarium specimens: 23633
Ex situ Collections:
No information available.
No. of taxa: Unknown
Rare & Endangered plants: succulents: Aloe, Haworthia, Gasteria, etc.
Special Conservation Collections: Gasteria, Haworthia, Aloe.

Location: PRETORIA
Founded: 1946
Garden Name: Pretoria National Botanical Garden.
Address: National Botanical Institute, Private Bag X101, PRETORIA 0001.
Status: State.
Herbarium: Yes (PRE) Approx. no. of herbarium specimens: 1,200,000

Ex situ Collections:
A small area of the Garden (approximately 20%) is of natural vegetation of Bankenveld veld-type, with dominant plants: *Ochna pulchra*, *Strychnos spinosa* and *Englerophytum magalismsontanum*. 98% of the plant collections are of indigenous species. 2% are from Madagascar. Plant collections include a wide range of South African flora especially trees, *Encephalartos* species and many succulents.
No. of taxa: c.5,000
Rare & Endangered plants: Malagasy plants, 150 Southern African spp., *Encephalartos* spp.

Location: PRETORIA
Founded: 1934
Garden Name: Manie van der Schijff Botanic Garden
Address: Department of Botany, University of Pretoria, PRETORIA 0002.
Status: University.
Herbarium: Yes Approx. no. of herbarium specimens: 80,000
Ex situ Collections:
South African cycads and a range of plants for teaching and research.
No. of taxa: 2,000
Rare & Endangered plants: South African Cycads.

Location: RUSTENBURG
Founded: 1991
Garden Name: Tlholego Learning Centre
Address: P.O. Box 1668, Rustenburg 0300.
Status: Unknown.
Herbarium: Unknown
Ex situ Collections:
Ethnobotanicals; native food crops, medicinals, fuel, building materials, fibre, fodder. Introduced exotics for soil restoration and agroforestry.
No. of taxa: Unknown
Rare & Endangered plants: Unknown

Location: STELLENBOSCH
Founded: 1925
Garden Name: Botanical Garden University of Stellenbosch
Address: STELLENBOSCH 7599.
Status: University
Herbarium: Yes Approx. no. of herbarium specimens: Unknown
Ex situ Collections:
Welwitschia mirabilis, succulent Aizoaceae, xerophytes, *Pelargonium*.
No. of taxa: 3500
Rare & Endangered plants: *Welwitschia mirabilis*, *Worsleya* (*Hippeastrum*)

Location: WILRO PARK
Founded: 1982
Garden Name: Witwatersrand National Botanical Garden
Address: National Botanical Institute, Malcom Road, Poortview, Roodepoort, P.O.Box 2194, WILRO PARK 1731.

Status: State.

Herbarium: Yes Approx. no. of herbarium specimens: 1,500

Ex situ Collections:

Over 90% of the Garden is made up of natural vegetation of Rocky Highveld Grassland of wooded grassland slopes with *Protea caffra*, *Acacia caffra*, *Cussonia paniculata* subsp. *sinuata*, and rocky ridges with *Englerophytum magalismontanum*, *Arcylobotrys*, *Vangueria infausta* and highveld riverine forest with *Celtis africana*, *Combretum erythrophyllum* and *Kiggelaria africana*. 100% of the plant collections are of indigenous species. Special collections are maintained of the following genera: *Encephalartos*, *Ledebouria*, *Drimiopsis*, *Plectranthus*, *Aloe*, *Watsonia*, *Kniphofia*, *Agapanthus*, *Zantedeschia*, *Clivia* and *Crinum*.

No. of taxa: c.2,000 species (representing 370 genera).

Rare & Endangered plants: 163 threatened plant species in cultivation. Conservation programmes on various threatened plants are undertaken, on such species as *Aloe peglerae*, *Khadia beswickii*, *Ledebouria rupestris* and *L. galpinii*.

Special Conservation Collections: A few of the rare & endangered species in the Transvaal.

Location: WORCESTER

Founded: 1921

Garden Name: Karoo Desert National Botanical Garden

Address: National Botanical Institute, Roux Road, Panorama, Off National Road, P.O. Box 152, WORCESTER 6849.

Status: State.

Herbarium: Yes Approx. no. of herbarium specimens: 350

Ex situ Collections:

South African succulents. 99% of the plants cultivated are indigenous. The Garden maintains a seed bank and produces a regular seed list.

No. of taxa: 4,200 (including over 400 naturally occurring).

Rare & Endangered plants: Yes. c.350 - many species that are included in the South African Red Data Book.

Key reference:

Botha, D.J., Willis, C.K. and Winter, J.H.S (2000). *Southern African Botanical Gardens Needs Assessment*. Southern Africa Botanical Diversity Network Report No. 11. Pretoria, South Africa.