The Pocket Field Guide for Wild Flower Harvesting

Van Deventer, G., Bek, D. and Ashwell, A.

Published PDF deposited in **Curve** September 2016

Original citation:

Van Deventer, G., Bek, D. and Ashwell, A. (2016) The Pocket Field Guide for Wild Flower Harvesting. South Africa: Flower Valley Conservation Trust.

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FIELD GUIDE FOR WILD FLOWER HARVESTING











Introducing The Pocket Field Guide for Wild Flower Harvesting

Many people in the Overberg earn a living from the region's wild flowers, known as fynbos. Some pick flowers for markets to sell, some remove invasive alien plants, and others are involved in conservation and nature tourism. It is important that people who work in the veld know about fynbos plants. This Pocket Field Guide for Wild Flower Harvesting describes 41 of the most popular types of fynbos plants that are picked from our region for the wild flower market. It also provides useful information to support sustainable harvesting in particular and fynbos conservation in general.

Picking flowers has an effect or impact on the veld. If we are not careful, we can damage, or even kill, plants. So, before picking flowers, it is important to ask:

- · What can be picked?
- · How much can be picked?
- · How should flowers be picked?

This guide aims to help people understand:

- the differences between the many types of fynbos plants that grow in the veld; and
- which fynbos plants can be picked, and which are scarce and should rather be left in the veld.

This field guide is available in all three main languages of the Western Cape, namely Afrikaans, English and isiXhosa.

South Africa's plants

South Africa has a significant number of indigenous (or native) plant species: about 20,000 in total. The Red List of South African Plants (http://redlist.sanbi.org/redcat.php) tells us which of these species are under threat. About three quarters (or 75%) of South Africa's threatened plants live in the Fynbos Biome.

Fynbos is a type of vegetation or veld. The name comes from a Dutch word 'fijnbosch', meaning 'fine bush', and refers to how the plants look. Most fynbos plants have small (or fine) leaves and are shrubs (or bushes) rather than trees.

The Fynbos Biome is a natural region that stretches from Vanrhynsdorp in the west to Grahamstown in the east, in a 100 to 200 kilometre-wide strip along the coast. This region has a Mediterranean climate, with cold, wet winters and hot, dry summers. In most of the rest of South Africa, the rain falls in summer and the winters are dry. Fynbos plants have to be tough to survive the long summer droughts.

Fynbos is predominantly found in nutrient poor, highly leached soils. This is another characteristic of fynbos, as very few plants choose to live on such harsh soils. Fynbos has adapted to these soil conditions, allowing it to grow in areas where many other plants cannot.

Fires are common in fynbos during the hot, dry, windy summers. In fact, fynbos needs to burn every 15 years or so. Fire helps to renew the veld because it removes the old plants, and the smoke from the fire causes seeds in the ground to germinate and grow into new plants.

Fynbos plants are threatened by:

- destruction of their habitat due to urban, agricultural and industrial development;
- · the spread of invasive alien plants;
- · inappropriate agricultural practices;
- · unsustainable picking;
- · too frequent fires.

Picking fynbos with care

Here are some things to think about:

- When fynbos flowers are removed from the veld, we prevent these flowers from making seeds that will grow into new plants. This is why we should always leave some flowers in the veld.
- If we do not know which plants can be picked, we could pick rare species that are in danger of becoming extinct.
- If we allow invasive alien plants to grow in the veld, they could shade
 the fynbos plants beneath them, and stop them from growing. We should
 remove these alien plants from the veld.
- Because fynbos is so valuable, it is protected by law (including the National Environmental Management: Biodiversity Act 2004). For example, it is illegal to plough or clear fynbos veld that has never been cleared before (e.g. to plant another crop in its place). We need to know and respect the rules that protect fynbos.
- It is illegal to pick fynbos without the correct licences from the conservation authorities, such as CapeNature. These licences provide guidelines to help us look after the fynbos.

Understanding how harvesting affects the veld helps us to look after the veld more effectively. After all, if we pick all the fynbos this year, there will be no fynbos to pick in the future. This can have a negative impact on livelihoods.

What are the Principles of Sustainable Harvesting?

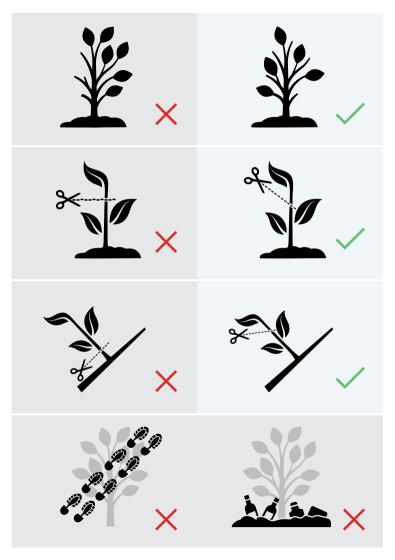
The Flower Valley Conservation Trust has worked with CapeNature, botanists, market experts and the fynbos industry over a period of ten years to develop the Sustainable Harvesting Programme (SHP). The SHP provides fynbos harvesters and suppliers with an SHP Toolkit to help them pick fynbos in a responsible manner. A key component of the Toolkit is The Sustainable Harvesting Programme Code of Best Practice for Wild Harvesters.

The SHP Code of Best Practice for Wild Harvesters has four principles that protect the environment:

- 1. Conserve biodiversity
- 2. Use wild fynbos sustainably
- 3. Comply with national and provincial regulations
- 4. Have a property management plan

These principles are outlined in more detail in the accompanying Field Guide for Wild Flower Harvesting.

Picking teams should follow the principles of good harvesting, as captured in the SHP, when picking flowers in the veld. The diagrams on the following page illustrate some of the key principles.



Fynbos plants of the Agulhas Plain and beyond

The rest of this Pocket Field Guide for Wild Flower Harvesting describes 41 species (or types) of fynbos plants that grow on the Agulhas Plain. These species were selected as they are the most commonly harvested species. Many of these plants also grow in other parts of the Cape Floral Kingdom. They are all harvested for flowers or greens.

The Agulhas Plain is a biodiversity hotspot. Many of the plants that grow here are vulnerable (at risk) because of invasive alien plants, urban and agricultural development, and harvesting. Many plants are endemic (unique) to the area. If they die out here, they cannot be replaced.

The 41 indigenous plant species belong to eight plant families. The plants are grouped first by their family in alphabetical order, starting with the Asteraceae and ending with the Rutaceae. They are then listed by their genus and species names, in alphabetical order.

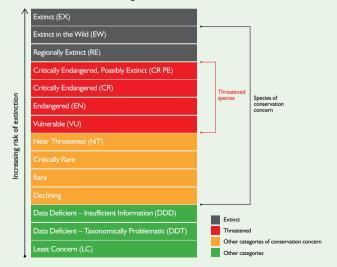
Each plant species has a description and a photograph to help you recognise it in the veld. You will find out where each species is most likely to grow. You will also learn which species are common and can be harvested, and which are threatened and should be left in the veld.

Plant descriptions and Key

Each of the plant descriptions includes:

- · A colour photograph of the flower;
- · The name of the family to which the plant belongs;
- The scientific name of the plant (the genus and species);
- · Common names of the plant;
- · The height of the plant;
- · Where the plant grows;
- · How the plant is used,
- Conservation information, as listed in the Red List of South African
 Plants, which assesses the conservation status of South Africa's entire flora.

South African Red List categories



Plant descriptions and Key

Red Data List:

- Green label this plant is common (least concern), so it may be picked for the market, with the relevant CapeNature licences.
- Orange label this species is declining. It can be picked with the relevant CapeNature licences.
- Orange label this species is near threatened. It can be picked, with authorisation from CapeNature.
- Red label this species is vulnerable. It can be picked, with authorisation from CapeNature.

The Agulhas Plain, was the pilot site for the SHP.A Vulnerability Index (VI) has been developed which tells us the extent to which harvesting increases the vulnerability of species found on the Agulhas Plain. Not all the species in this guide have this information. This is because some of these species are not found naturally on the Agulhas Plain. However, they may be present and be harvested if they have been artificially sown.

The Vulnerability Index scoring:

- 1 4: Common species;
- 5 6: Species that should be monitored;
- 7 8: Species that are a priority to monitor;
- 9 11: No-go species that should not be picked.

The following refers to the Geographical Range where the species occurs:

- Widespread means the plant occurs on more than 500km² of land.
- Localised means the plant occurs on less than 500km² of land.

The following refers to how abundant the species is:

- Common means that the species occurs in dense populations within a range greater than 500km².
- Localised means the species occurs in small, scattered groups over a range less than 500km².

Plant descriptions

Plant descriptions

Family	Genus & Species	Family	Genus & Species
1 Asteraceae	Phaenocoma prolifera	22 Proteaceae	Leucadendron xanthoconus
2	Stoebe plumosa	23	Leucospermum cordifolium
3	Syncarpha vestita	24	Leucospermum truncatulum
4 Bruniaceae	Berzelia abrotanoides	25	Mimetes cucullatus
5	Berzelia lanuginosa	26	Protea compacta
6	Brunia albiflora	27	Protea cynaroides
7	Brunia laevis	28	Protea eximia
8	Brunia noduliflora	29	Protea longifolia
9	Staavia radiata	30	Protea neriifolia
10 Ericaceae	Erica coccinea	31	Protea obtusifolia
11	Erica imbricata	32	Protea repens
12	Erica plukenetii	33	Protea scolymocephala
13 Proteaceae	Aulax umbellata	34	Protea speciosa
14	Leucadendron coniferum	35	Protea sulphurea
15	Leucadendron laureolum	36	Protea susannae
16	Leucadendron linifolium	37 Restionaceae	Thamnochortus insignis
17	Leucadendron meridianum		
18	Leucadendron muirii	38 Rhamnaceae	Phylica ericoides
19	Leucadendron platyspermum	39 Rubiaceae	Anthospermum aethiopicum
20	Leucadendron rubrum	40 Rutaceae	Acmadenia heterophylla
21	Leucadendron salicifolium	41	Agathosma betulina

Plant attributes key



Reproduction



Usage

Plant attributes key



Geographical range



Flowering season

Plant height



Where



Conservation status



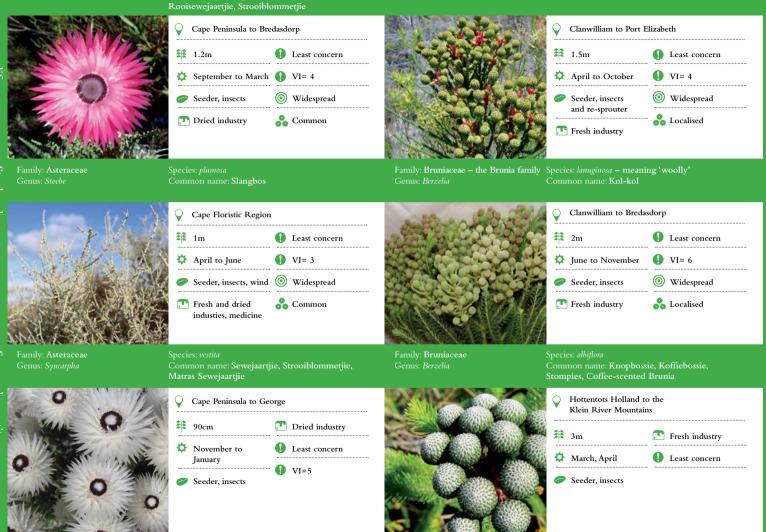
Abundance



Family: Asteraceae

Common name: Cape everlasting,



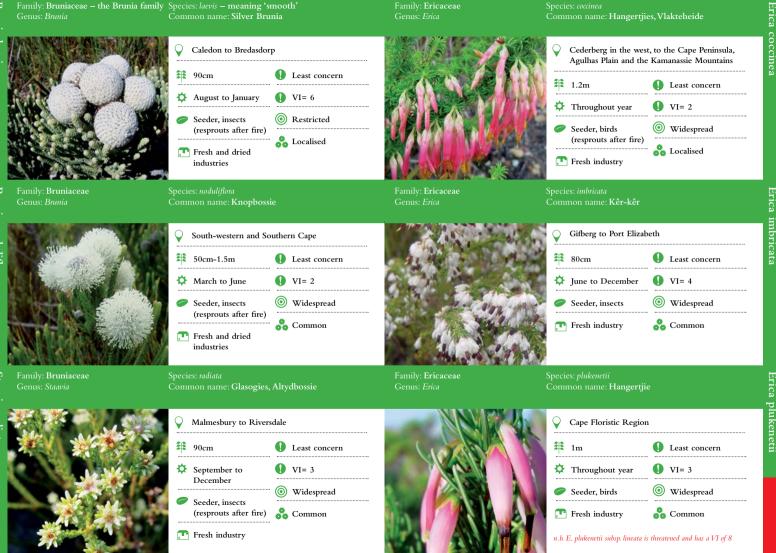


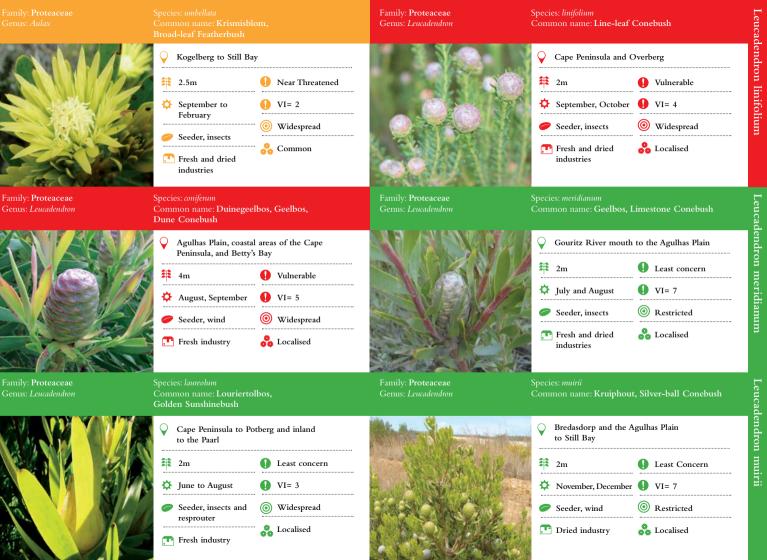
Family: Bruniaceae

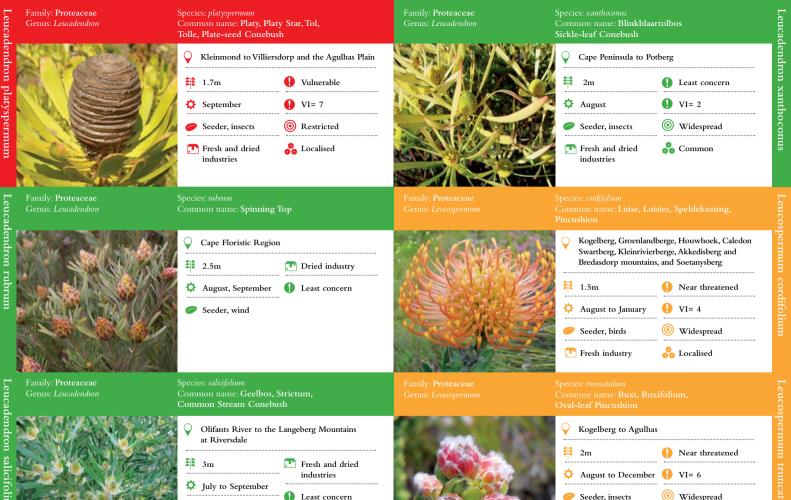
Common name: Bloed kol-kol

Genus: Berzelia





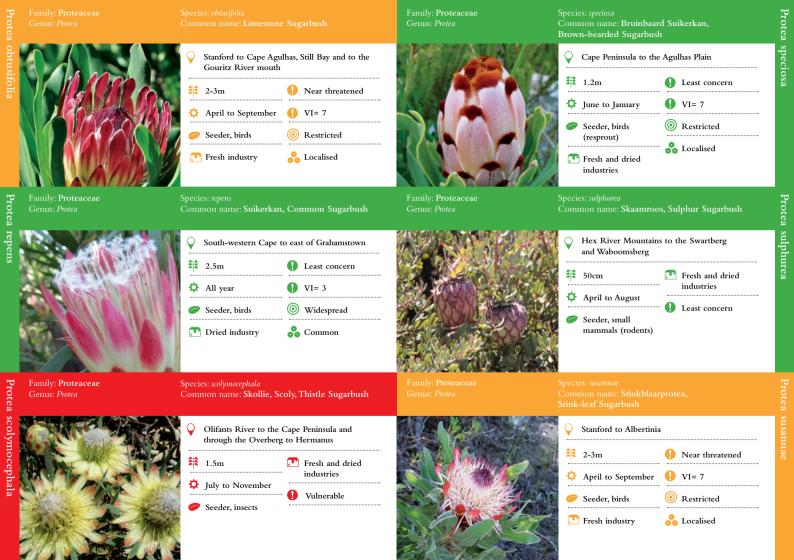




Seeder, wind

Fresh and dried industries





















Authors: Gerhard van Deventer, Dr David Bek, Dr Alice Ashwell

Editors: Heather D'Alton, Ross Turner, Bronwyn Botha, Dr Alex Hughes,

Professor Cheryl McEwan

Acknowledgements

- Newcastle University's Economic and Social Research Council (ESRC) Impact Acceleration Scheme provided funding for this Field Guide. Underpinning the guide is research on sustainable wild flower harvesting funded by ESRC (grant reference ES/K005626/1 led by Dr Alex Hughes) and by The Leverhulme Trust (grant reference RF150138 led by Professor Cheryl McEwan). Dr David Bek and Gerhard van Deventer worked on these projects.
- Fernkloof Nature Reserve and friends, including Sandy Jenkin and Ronnie Hazell, who provided many of the photographs and much of the botanical information.
- Tony Rebelo, Nicky van Berkel and Carina Lochner who provided photographs via the iSpot platform (http://www.ispotnature.org/communities/southern-africa).
- Kobus Tollig Photography and Heather D'Alton, who provided many of the photographs used in the Field Guide.
- D Millenium Multi Events, Mntambo Nakwa, Londeka Zondi and Mkhululi Silandela, who helped to translate the text into isiXhosa.
- · Ronel Beukes, who translated the text into Afrikaans.
- Roger Bailey, Conservation Manager at the Flower Valley Conservation Trust, who provided specialist advice.

This abbreviated version of the Field Guide for Wild Harvesters is available online at:

http://www.flowervalley.org.za/fieldguidecardsA6.pdf

A more detailed version of the Field Guide for Wild Harvesters is available online at:

http://www.flowervalley.org.za/fieldguidebooklet.pdf

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The production of the Field Guide for Wild Flower Harvesting has been supported by the ESRC, the European Union and the WWF Nedbank Green Trust. The contents of this publication are the sole responsibility of Flower Valley Conservation Trust and the authors, and can in no way be taken to reflect the views of the European Union or the WWF Nedbank Green Trust.







Flower Valley Conservation Trust PBO no: 930 011 712 NPO no: 083-402-NPO

Contact Details PO Box 354 Bredasdorp 7280 South Africa

Tel. +27 (0)28 425 2218 Email: fynbos@flowervalley.co.za Website: www.flowervalley.org.za Facebook: FlowerValley Conservation Trust

Twitter Handle: @flowervalleyct





