

http://www.bulbsociety.org/GALLERY_OF_THE_WORLD'S_BULBS/GRAPHICS/Babiana/Babiana_tubulosa/Babiana_tubulosa.html



Babiana tubulosa

Alisha Hershman

Taxonomy

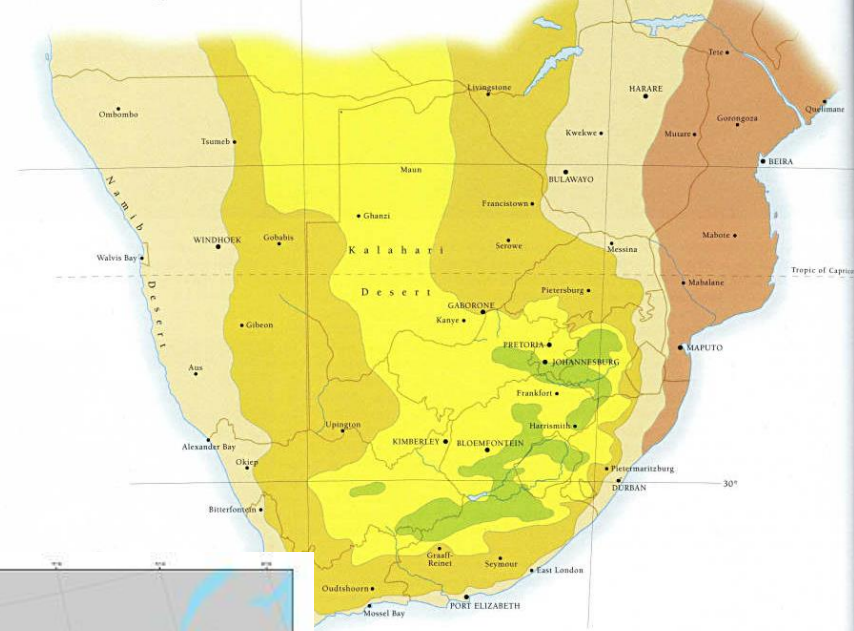
- Iridaceae
- Genus: *Babiana*
 - 80 species (49 native to Southwestern cape of Africa)
- *Babiana tubulosa*
 - Native to Western Cape
 - Range: Darling, Mamre, and Langebaan

<http://www.roomsforafrica.com/dest/south-africa/western-cape.jsp>

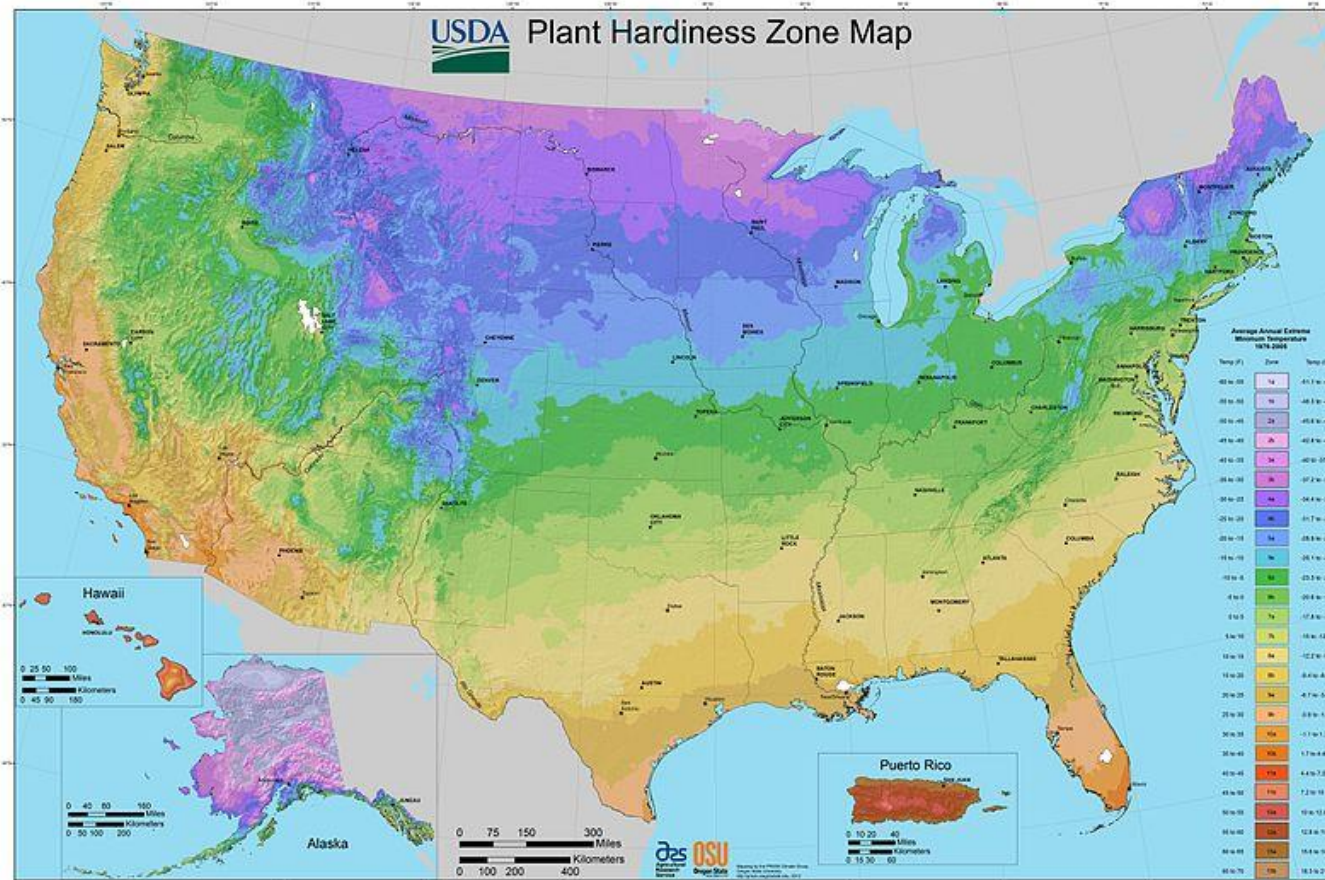


http://www.pacificbulbsociety.org/pbswiki/files/Maps/Map_SouthernAfricaHZMap1.jpg

Mediterranean Climate



USDA Plant Hardiness Zone Map



with a system of plant hardiness international standard and range minimum winter temperatures which represent regions of southern Africa. : much lower temperatures, don't

number (for example, ZONE 8). That number, which corresponds to the coldest areas in which the particular plant can survive in winter. Note that these are not the same as the average annual temperature. Because the zone number is given ZONE 7, for example, it will be 8 but not in ZONE 6. Plants grown in zone with the minimum winter temperature might well grow but they are likely to be taken from England (ZONE 7) to non-flowering evergreen in its new location. You will find the numbers a little conservative. The map does not attempt to show drought hardness; where significant text and reference table.

Zone	°F	°C
8	10 to 20	-12 to -7
9	20 to 30	-7 to -1
10	30 to 40	-1 to 4
11	40 to 50	4 to 10
12	50 to 60	10 to 16

Hardiness zones are based on the average annual minimum temperature for each zone.

http://en.wikipedia.org/wiki/File:2012_USDA_Plant_Hardiness_Zone_Map_%28USA%29.jpg

Habitat/Cultural Requirements

- Native Habitat is Fynbos Biome
 - Poor Soil
 - Well Drained, Acidic to Neutral
 - Many plants
 - Grows in full sun
 - Drought tolerant
 - Has invasive tendencies
 - May be in threat



Taxonomic Description

- Monocot
- Geophyte
 - Corms
- Leaves 5-15cm (2-6") long
- Flowers (late Winter to early Spring)
 - Showy, 5 cm (2")
 - 3" tube
 - White/Cream with red marking on lower tepals

http://redlist.sanbi.org/imgs/photos/1534-160_30_896662.jpg



Production

- Native Habitat: Seed or corm planted in autumn (March or April)
 - Grows in Winter (May-July)
 - Flowers Late Winter/Early Spring (August-October)
 - Dormant From November-February
- Propagation: Typically from corms or seed
 - Flowers in 2-3 years from seed
 - Self fertile, can self seed
- Production from Seed:
 - Sow in sand or sandy loam
 - 6-8 weeks to germinate
 - Grows for 8-12 weeks and then flowers (does not flower 1st year from seed)
- Production from Corm:
 - Plant in early spring in MN
 - Flowers Late Spring/Early Summer

Potential Market Use

- Containers
 - Mixed Border
 - Rock Garden / Wall
 - Cut flower
-
- In MN-annual
 - Can be grown in Southern CA



http://www.bidorbuy.co.za/item/9185801/Babiana_tubulosa_Seeds_Bulbous_plant_Sow_Autumn.html

Future Research/Improvements

- Earlier Germination
- Shorten Juvenility if from seed
- Cold Hardiness
- Repeat Bloom



<http://www.sfgate.com/homeandgarden/article/Showy-S-Africa-bulbs-at-home-in-Bay-Area-garden-2473749.php#photo-2036516>

Sources

- 1. Alpine Garden Society (2011). *Babiana tubulosa*. Plant Encyclopedia (29 April 2014).
- 2. City of Cape Town & Botanical Society of South Africa. South Africa's Biomes: Fynbos Biome. Biomes and Ecosystems (29 April 2014)
- 3. Goldblatt PG, John Manning. Floral biology of babiana (iridaceae: Crocoideae): Adaptive floral radiation and pollination¹. *Ann Mo Bot Gard* 2007;94(4):709-33.
- 4. Learn2Grow (2014). *Babiana tubulosa*. Learn2Grow (29 April 2014).
- 5. Manning, J.C. & Raimondo, D. (2006). *Babiana tubulosa* (Burm.f.) Ker Gawl. National Assessment: Red List of South African Plants version 2013.1. (29 April 2014).
- 6. Pacific Bulb Society (14 April 2012). *Babiana*. Pacific Bulb Society (29 April 2014).
- 7. Spooner, Amanda (15 August 2007). *Babiana tubulosa* (Burm.f.) Ker Gawl. FloraBase the Western Australian Flora. (29 April 2014).