

## Appendix A

Red Data Plant Species recorded from Gauteng. Flowering season and suitable habitat are indicated to assist with field surveys. Red Data priority groupings are indicated including, in descending order of priority, A1, A2, A3 and B priority groupings. Priority groupings are not applicable (N/A) to near threatened species. Species listed as A1 are endemic to the province, A2 endemic to Gauteng + one other province or country, A3 endemic to Gauteng and two other provinces or countries etc.

SPECIES	CONSERVATION STATUS	FLOWERING SEASON	SUITABLE HABITAT	PRIORITY GROUPING
<i>Agrostis eriantha</i> var. <i>planifolia</i>	DD	December	Plants grow in typical bankenveld grassveld on flat or undulating plains. The grass grows in amongst other grass species often in full sunlight.	A1
<i>Aloe peglerae</i>	EN	July-August	Rocky places, often on gravelly quartzite, confined mainly to the Magaliesberg range, usually on the northern slopes and summit; scanty grassland, very little soil.	A2
<i>Barleria rehmannii</i>	NT	December-March	Sandy and gravelly soil, open bushveld, rocky slopes.	N/A
<i>Bowiea volubilis</i>	NT	September-April	Shady places, steep rocky slopes and in open woodland, under large boulders in bush or low forest.	N/A
<i>Brachiaria subulifolia</i>	NT	September-November	Frequently in damp or seepage areas on sandy soils.	N/A
<i>Brachystelma discoideum</i>	VU	November	Savanna in gravelly sandy soil.	A3
<i>Calamagrostis epigeios</i> var. <i>capensis</i>	NT	January-May	Vleis.	N/A
<i>Ceropegia decidua</i> subsp. <i>pretoriensis</i>	CR	December-April	Direct sunshine or shaded situations, rocky outcrops of the quartzitic Magaliesberg mountain series, in pockets of soil among rocks, in shade of shrubs and low trees, can be seen twining around grass spikes.	A1
<i>Ceropegia turricula</i>	NT	December-February	Unknown.	N/A
<i>Cineraria longipes</i>	EN	March-May	Koppies to the south of Johannesburg, amongst rocks and along seep lines in association with <i>Pteridium</i> .	A1
<i>Cleome conrathii</i>	CR	May	On stony slopes, usually on sandy soil, open to closed deciduous woodland, quartzites, red sandy soil, all aspects, 1515m.	A3
<i>Cucumis humifructus</i>	EN	January & April	Woodland and grassland, on deep sand.	B
<i>Delosperma davyi</i>	DD	August-March	On dolomite rocks at the edge of dense, shady scrub above river.	A1
<i>Delosperma framesii</i>	DD	August-March	Ridges, hills.	A1
<i>Delosperma gautengense</i>	EN	August-March	Among rocks of Magaliesberg quartzite in grassland in transition to sour grassveld.	A1
<i>Delosperma leendertziae</i>	DD	August-March	Rocky ridges.	A2



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<i>Delosperma macellum</i>	CR	August-March	In loose gravel in open places near trees.	A1
<i>Delosperma purpureum</i>	CR	August-March	Quartzite slopes: S aspect, usually on steep dipping rock strata forming slabs/sheets; skeletal soil associated with "sheet rock mat formation" typified by the sedge <i>Coleochloa setifera</i> .	A1
<i>Delosperma vogtsii</i>	EN	August-March	On rather steep south facing slopes of quartzite in mountain grassveld.	A1
<i>Encephalartos lanatus</i>	NT	March-September	Open to closed woodland on the slopes of sheltered wooded kloofs or ridges and sheltered rocky ledges.	N/A
<i>Encephalartos middelburgensis</i>	CR	Unknown	Open and grassy with rather sparse bush and tree cover in sheltered valleys, steep rocky slopes.	A2
<i>Eulophia coddii</i>	EN	Early December	Steep hillsides on soil derived from sandstone, grassland or mixed bush.	A2
<i>Eulophia leachii</i>	VU	December-January	Bushveld under trees on stony, black and heavy soils.	B
<i>Frithia humilis</i>	VU	December-February	Sandy flat areas associated with rough rocky outcrops.	A2
<i>Frithia pulchra</i>	NT	December-January	Shallow soil pockets between small, gravelly quartzite stones on large flat slabs of rock. On summits and top of Magaliesberg.	N/A
<i>Gladiolus robertsoniae</i>	NT	October-December	Grassland, shale slopes.	N/A
<i>Habenaria bicolor</i>	NT	January-March	Terrestrial in drained grassland, recorded from about 1800m.	N/A
<i>Habenaria mossii</i>	EN	March-April	Open grassland on dolomite or in black sandy soil.	A1
<i>Heteranthera callifolia</i>	NT	February	Swampy areas, vleis, pans or rock pools.	N/A
<i>Holothrix micrantha</i>	EN	October	Terrestrial on grassy cliffs, recorded from 1500 to 1800 m.	A1
<i>Holothrix randii</i>	VU	September-January	Grassy slopes & rocky ledges.	B
<i>Khadia beswickii</i>	CR	October-March	Open areas on shallow surfaces above rocks in grassland.	A1
<i>Kniphofia typhoides</i>	NT	February-March	Heavy, black clay soil, climax <i>Themeda triandra</i> grassland, low lying marshy ground - pans or vleis.	N/A
<i>Lepidium mossii</i>	DD	Unknown	Unknown.	A2
<i>Lithops lesliei</i> subsp. <i>lesliei</i> var. <i>rubrobrunnea</i>	DD	April	Grassland with dark pinkish-red ferruginous shaly siltstone.	A1
<i>Lotononis adpressa</i> subsp. <i>leptantha</i>	CR	February-May	Open grassland.	A1
<i>Macleodium pretoriense</i>	EX	April	Hillsides.	A1
<i>Melolobium subspicatum</i>	CR	October-May	Grassland.	A1

SPECIES	CONSERVATION STATUS	FLOWERING SEASON	SUITABLE HABITAT	PRIORITY GROUPING
<i>Nerine gracilis</i>	VU	February-March	Undulating grasslands in damp, moist areas; the plants grow in full sun in damp depressions, near pans or on the edges of streams; grassland, riverbanks, vleis.	A2
<i>Nuxia glomerulata</i>	NT	October-June	On open hillsides, rocky western slopes or in deep rocky ravines.	N/A
<i>Trachyandra erythrorrhiza</i>	VU	September-October	Marshy areas, grassland, usually in black turf marshes.	A3

Source: Threatened plants for Gauteng were obtained from GDACE (2004), including the most recent updates to Pfab & Victor (2002)'s list. Pfab & Victor (2002) updated the list of threatened plants in Gauteng according to the updated IUCN Species Survival Commission (2000) criteria. The new system differs from the earlier approach in that it targets more specifically taxa that are in danger of going extinct rather than those that are simply rare, using quantitative methods of assessment