

6. TAXONOMIC DESCRIPTION

Excerpt from: Maslin, B.R. (1999). *Acacia* miscellany 16. The taxonomy of fifty-five species of *Acacia*, primarily Western Australian, in section *Phyllodineae* (Leguminosae: Mimosoideae). *Nuytsia*. **13(3)**: 367.

Dense, rounded *shrub* 0.5-2 m tall, to about 2 m across, branching at ground level. *Bark* dark grey, roughened towards base of main stems, otherwise smooth. *Branchlets* terete, very obscurely ribbed, shortly pilose, the raised leaf bases prominent on older parts where phyllodes have fallen. *Stipules* absent. *Phyllodes* terete or slightly compressed, 5-8 mm long, 0.3-0.4 mm wide, rather crowded, some sub-verticillate (although commonly obliquely so), some scattered, patent (except erect on new shoots), \pm straight or sometimes slightly recurved, slender, very finely wrinkled when dry, glabrous or sparsely pilose; *nervation* superficially not discernable; *apex* obliquely narrowed to a minute yet distinct excentric mucro; *pulvinus* minute (c. 0.3 mm long) yet distinct (at 10 mag.) *Gland* seemingly absent. *Inflorescence* an extremely reduced, 1(2)-headed raceme; axis 0.5-1 mm long, ebracteate at base, terminated by a vegetative bud; *peduncles* 3-4 mm long, densely puberulous, hairs pale yellow; *basal peduncular bract* solitary, persistent, scarious, c. 1 mm long, glabrous, light brown. *Heads* globular to very slightly obloid, 4 mm diam. (dry), 25-flowered, golden; *bracteoles* c.2 mm long, acuminate and slightly exerted in mature buds; base auriculate, puberulous, otherwise \pm glabrous; *claw* c. 0.5 mm long. *Flowers* 5-merous; *calyx* $\frac{3}{5}$ length of corolla, gamosepalous, dissected for $\frac{1}{4}$ - $\frac{1}{2}$ its length, densely puberulous; hairs pale yellow except silvery at apices of lobes; *petals* 1.5-2 mm long, free, nerves not evident, appressed-puberulous on upper $\frac{1}{3}$ - $\frac{1}{2}$ with pale yellow hairs, or glabrous. *Pod* narrowly oblong, to 25 mm long, 4-5 mm wide, firmly chartaceous to thinly coriaceous, sparsely to moderately pilose with pale yellow or white hairs, slightly viscid, brown; dehisced vales curved to sigmoid. *Seeds* longitudinal, ovoid, 3-3.5 mm long, 2 mm wide, compressed (1 mm thick), brown, moderately shiny; *pleurogram* very obscure, open at hilar end; *areole* c. 1 mm long, c.5 mm wide; *funicle* not seen; aril subterminal, \pm clavate, c. 2 mm long, extending $\frac{1}{3}$ - $\frac{1}{2}$ down one side of seed.

SUMMARY OF RECOVERY ACTIONS AND COSTS

| Recovery actions | Year 1 | | | Year 2 | | | Year 3 | | | Year 4 | | | Year 5 | | |
|---|---------------|-------|-------|---------------|-------|-------|---------------|-------|-------|---------------|-------|-------|---------------|-------|-------|
| | DEC | Other | Ext. | DEC | Other | Ext. | DEC | Other | Ext. | DEC | Other | Ext. | DEC | Other | Ext. |
| Coordinate recovery actions | 1,000 | 300 | 100 | 1,000 | 300 | 100 | 1,000 | 300 | 100 | 1,000 | 300 | 100 | 1,000 | 300 | 100 |
| Liaise with relevant land managers | 800 | | 500 | 800 | | 500 | 800 | | 500 | 800 | | 500 | 800 | | 500 |
| Monitor populations | 1,300 | | 400 | 1,300 | | 400 | 1,300 | | 400 | 1,300 | | 400 | 1,300 | | 400 |
| Seek security of tenure for Subpopulation | 1,300 | | 300 | 100 | | 100 | 100 | | 100 | 100 | | 100 | 100 | | 100 |
| Promote awareness | 1,000 | | 600 | | | | 1,000 | | | | | | 1,000 | | |
| Conduct further surveys | 1,500 | | 500 | | | | 1,500 | | 500 | | | | 1,500 | | 500 |
| Develop and implement fire and disturbance trials | 4,500 | 1,000 | 1,400 | 700 | | 400 | 4,500 | 1,000 | 1,400 | 700 | | 400 | 4,500 | 1,000 | 1,400 |
| Develop and implement a fire management strategy | 1,500 | | 600 | | | | | | | | | | | | |
| Collect seed and other material to preserve genetic diversity | 1,800 | | 1,000 | | | | 1,800 | | 1,000 | | | | 1,800 | | 1,000 |
| Undertake weed control and follow up with regular monitoring and additional control if required | 1,500 | | 800 | 1,500 | | 800 | 1,500 | | 800 | 1,500 | | 800 | 1,500 | | 800 |
| Obtain biological and ecological information | 2,000 | 1,000 | 2,000 | 2,000 | 1,000 | 2,000 | 2,000 | 800 | 1,000 | 300 | | 200 | 300 | | 200 |
| Map habitat critical to the survival of <i>Acacia leptalea</i> | | | | 900 | | 2,100 | | | | | | | | | |
| Review the need for further recovery actions | | | | | | | | | | 1,500 | | | | | |
| Total | 18,200 | 2,300 | 8,200 | 8,300 | 1,300 | 6,400 | 15,500 | 2,100 | 5,800 | 7,200 | 300 | 2,500 | 13,800 | 1,300 | 5,000 |
| Yearly Total | 28,700 | | | 16,000 | | | 23,400 | | | 10,000 | | | 20,100 | | |

Ext. = External funding (funding to be sought), Other = funds contributed by NHT, in kind contribution and BGPA

Total DEC: \$63,000
 Total Other: \$7,300
 Total External Funding: \$27,900
Total Costs: \$98,200