

WATTLE

Acacias of Australia

Acacia stigmatophylla A.Cunn. ex Benth.



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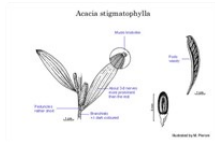
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See illustration.



Acacia stigmatophylla occurrence map.
Occurrence map generated via Atlas of Living
Australia (<https://www.ala.org.au>).

Family

Fabaceae

Distribution

Occurs in tropical N.T. and W.A., N of 17°30'S.

Description

Shrub to 3 m high, spreading, **resinous**. Bark smooth, dark grey. **Branchlets** angular to almost flattened, red-brown or light brown, **glabrous** or occasionally **puberulous**; ridges resin-crenulated. Phyllodes narrowly **elliptic** or rarely **±oblanceolate**, **straight** or slightly **curved**, (2.5–) 4–7 (–9) cm long, 6–18 (–28) mm wide, slightly **oblique** at base, with a small knob-like **muco** at apex, with slightly **undulate** margins, **±glabrous**, with 3 prominent **longitudinal** nerves reaching base and 2–4 subprominent parallel nerves; minor nerves 4–6 (–8) per mm, rarely **anastomosing** or indistinct from fine **longitudinal** wrinkling when dry; **gland** 1, **±conspicuous**, basal. Spikes 1.5–5 cm long, bright lemon-yellow. Flowers widely spaced, 5-merous; **calyx** 0.5–0.75 mm long, **cupular**, dissected by less than 1/5, **glabrous**; **corolla** 0.8–1.3 mm long, dissected to 1/2–2/3, with petals with prominent **midrib**; **ovary** **glabrous**. Pods narrowly **oblanceolate**, basally narrowed, flat, 2.8–7.2 cm long, 4–8 mm wide, **crustaceous** to thinly **woody**, brown, paler over seeds, obliquely **reticulate**, **glabrous**, opening elastically from apex; margins and seed-partitions thick. Seeds **oblique**, broadly **oblong-elliptic**, 4–6 mm long, brown or dark brown; **areole** open, **depressed**, dark brown; **funicle-aril** narrowly conical.

Phenology

Flowers Feb., May & June.

Habitat

Grows in stony, skeletal, sandy soils over laterite, sandstone, quartzite or granite, in monsoon forest along the coast or on the ranges in savannah grassland or eucalypt woodland.

Specimens

W.A.: near Wren Gorge, *M.Hancock* 506 (CANB, NSW, PERTH); 6 miles [9.7 km] W of Inglis Gap, Leopold Ra., *I.V.Newman* 640 (NSW); Lennard R. Falls, King Leopold Ra., W Kimberleys, 22 July 1974, *J.H.Willis* (MEL, NSW). N.T.: Victoria R., *F.Mueller* (MEL27245); Stuart Hwy, c. 29 miles [46.4 km] NW of Katherine, *L.Adams* 864 (CANB, NSW).

Notes

A member of the tropical Australian '*A. stigmatophylla* group' which also includes the spicate inflorescence species *A. cataractae*, *A. calligera*, *A. wickhamii* and possibly *A. oncinocarpa*, *A. drepanocarpa* and other species, along with taxa with capitula, including *A. anserina*, *A. delicatula*, *A. manipularis*, *A. nuperima*, *A. perpusilla*, *A. producta*, *Acacia* sp. Kununurra (G.Lullfitz 6195), *A. stellaticeps*, *A. translucens*, *A. setulifera*, *A. subternata* and *A. yirkallensis*. This group links sect. *Juliflorae* with sect. *Plurinerves*, and is characterised by being mostly resinous shrubs having branchlets with minutely resin-crenulated ridges, phyllodes with numerous closely spaced, slightly anastomosing longitudinal nerves (1–3 main nerves), flowers 5-merous, petals with a midrib, and legumes being narrowly oblanceolate tapering gradually to base, opening elastically from a hooked apex, with woody flat valves with oblique nerves and prominent margins on the outer surface and partitions between the seeds on the inner surface, *vide* M.D.Tindale, *Telopea* 2: (1980).

FOA Reference

Data derived from *Flora of Australia* Volumes 11A (2001), 11B (2001) and 12 (1998), products of ABRS, ©Commonwealth of Australia

Author

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This identification key and fact sheets are available as a mobile application:



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Department of
Biodiversity, Conservation
and Attractions
Western Australian Herbarium



Australian
Biological
Resources
Study



URL: <https://keys.lucidcentral.org/keys/v3/wattle>
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