

WATTLE

Acacias of Australia

Acacia yirrkallensis Specht



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See illustration.



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

Family

Fabaceae

Distribution

Occurs in northern N.T. in Arnhem Land N of Edith Falls (14°11'S) and E to the Gulf of Carpentaria.

Description

Shrub to 1 (–2) m high, **erect** or **prostrate**, **resinous**, branching near ground. Bark smooth, dark grey to dark brown. **Branchlets** angular, brown to dark red-brown or yellowish, **glabrous**; ridges often minutely resin-crenulated. Phyllodes very narrowly **elliptic**, narrowly **elliptic-oblong** to **linear**, **straight** to slightly **curved**, 1.5–4.5 cm long, 1.4–3 (–5.2) mm wide, thinly **coriaceous**, with prominent **stomata**, with 1 ± prominent main **nerve** and sometimes 2 ± subprominent nerves; minor nerves indistinct, parallel, sometimes sparingly ± **anastomosing**; **gland** basal, inconspicuous, 1–2 mm above **pulvinus**. Heads 3–4.5 mm diam., yellow. Flowers 10–13 per **head**, **5-merous**; **calyx** 0.9–1.1 mm long, almost free, **glabrous**; **corolla** 1.4–1.6 mm long, dissected to 1/3–1/2, **glabrous**; **ovary** **glabrous**. Pods **oblanceolate** to narrowly **oblanceolate**, basally narrowed, **straight-sided**, flat, 2–5 cm long, (4–) 7–9 (–13) mm wide, thinly **woody**, obliquely **striate**; margins and seed-partitions prominent. Seeds **oblique**, **oblong-elliptic**, 2.5–3.5 mm long, brown to dark brown; **pleurogram** with halo; **areole** elongate, open, dark brown; **funicle-aril** narrowly **turbinate**.

Phenology

Flowers June–Jan.

Habitat

Grows usually in grey sandy podsols on stony sandstone ridges and gorges, in eucalypt forest or woodland, and on laterite and bauxite.

Specimens

N.T.: Wessel Is., *P.K.Latz 3399* (BRI, CANB, DNA, MEL, NSW); 3 km N of Yirrkala turnoff to Nhulunbuy road, *D.Keith & B.Pellow 189* (NSW, SYD); Cato R., Arnhem Bay, *F.Duncan (Cato 2)* (NSW); c. 55 miles [88.5 km] W of B.H.P. Camp, *J.R.Maconochie 1563* (BRI, CANB, DNA, MEL, NSW, PERTH); c. 68 miles [109.5] km NE of Maranboy Police Stn, *M.Lazarides & L.Adams 94* (BRI, CANB, DNA, K, NSW).

Notes

A large pod variant (12–13 mm wide) occurs in inland sandstone areas, e.g. *J.Russell-Smith 5223 & D.Lucas* (DNA, PERTH).

FOA Reference

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

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



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