

WATTLE

Acacias of Australia

Acacia mangium Willd.



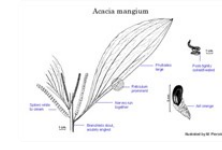
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Acacia mangium occurrence map.
Occurrence map generated via Atlas of Living
Australia (<https://www.ala.org.au>).

Common Name

Mangium, Hickory Wattle, Black Wattle

Family

Fabaceae

Distribution

Occurs in tropical Qld, in coastal areas N of 19°S. Also recorded from southern Moluccas, Aroe Is. and southern New Guinea, *vide* LPedley, *Contrib. Queensland Herb.* 18: 14 (1975). Cultivated on Melville Is. N.T., where it has become weedy in places. Extensively cultivated in SE Asia (see below).

Description

Tree 7–30 m high, with branches spreading from near ground level or with **bole** to 4.5 m high. Bark corrugated or coarsely cracked, grey to dark brown. **Branchlets** stout, acutely angled, brown, fawn or green, **glabrous**, sometimes **scurfy**. Phyllodes obliquely narrowly **elliptic** to **elliptic**, normally 11–27 cm long, 23–95 mm wide, thinly **coriaceous** or papery, **glabrous**, with 3 or 4 (–5) main prominent nerves (**confluent** at base of phyllodes near lower margin); minor nerves strongly **anastomosing** to form a fine **reticulum**, with elongated **interstices**; **gland** 1, basal, to 4.5 mm above **pulvinus**. Spikes 5–12 cm long, loosely arranged, white to cream-coloured. Flowers 5-**merous**; **calyx** 0.6–0.8 mm long, dissected to 1/5–1/4, **pubescent**; **corolla** 1.8–2 mm long, dissected to 1/2, with **glabrous** petals; **ovary** densely hairy. Pods **linear**, openly **coiled** and twisted or sometimes tightly spirally **coiled**, 3–5.5 mm wide, **coriaceous** to subwoody, **glabrous**. Seeds **longitudinal**, **oblong-elliptic** to slightly reniform, 3.5–5 mm long, black, minutely pitted; **areole** almost closed; **aril** bright orange.

Phenology

Flowers Mar., May and July.

Habitat

Grows on the edge of rainforests and on margins of mangrove communities.

Specimens

Qld: Cardwell, *R.G.Coveny 6599 & P.Hind* (A, AD, BRI, CANB, NSW, PERTH, UC, US); at Daintree R. Ferry, *I.V.Newman 527* (NSW); 3 km along road to Mt Molloy from Cook Hwy, *I.R.Telford 9453 & G.Butler* (CANB, NSW); c. 16 km N of Ingham, Bruce Hwy, *P.G.Wilson & C.F.Puttock* (BRI, MEL, NSW, QRS, UNSW13332).

Notes

Acacia mangium is widely-planted as an exotic. In SE Asia it is a major plantation species where it is grown for pulp and paper production and for saw logs. Commercial use is also made of *A. auriculiformis* × *mangium* hybrids by this industry. Further details of ecology, utilisation, etc. of *A. mangium* are given in J.C.Doran & J.W.Turnbull (eds), *Australian Trees & Shrubs: Species for Land Rehabilitation & Farm Planting in the Tropics* 178–181 (1997).

Presumed hybrids involving this species and *A. polystachya* as parents have been collected in Qld (e.g. Crystal Ck, c. 15 km N of Rollingstone, *J.Moriarty 1108*, PERTH).

This species has been confused with *A. holosericea* from which it can be distinguished by the nerves of the phyllodes and its more arborescent habit.

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