

# WATTLE

## *Acacias of Australia*

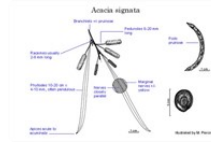
### *Acacia signata* F.Muell.



Source: WorldWideWattle ver. 2.  
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B.R. Maslin



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See illustration.



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

### Family

Fabaceae

### Distribution

Occurs from near Hamelin Pool S to Cockleshell Gully and E to near Wubin, W.A., and not common in this range.

### Description

**Shrub** or **tree** 2–4 m high, usually wispy or straggly. **Branchlets** often  $\pm$ arching or **pendulous**,  $\pm$ **pruinose**. Phyllodes often **pendulous**, **linear** to **linear-elliptic**, **straight** to **curved**, 10–20 cm long, 4–10 mm wide, tapering to **pulvinus**, **acute** to **acuminate**, **coriaceous**, grey-green to subglaucous, **glabrous**; nerves numerous, fine, subdistant, rarely **anastomosing**; midnerve most evident; marginal nerves yellow or yellowish, prominent; **pulvinus** 3–6 mm long. Inflorescences 1–4-headed racemes; **raceme axes** usually 2–8 mm long (rarely to 45 mm), **pruinose**, **glabrous**; peduncles 6–20 mm long, **glabrous**; spikes 12–23 mm long, 6–7.5 mm diam., golden. Flowers 5-**merous**; sepals united, **puberulous**. Pods **linear**, slightly raised over seeds, **curved**, c. 7 cm long and 5–6 mm wide, **coriaceous**, **pruinose**, **glabrous**. Seeds **longitudinal**, subdiscooid, **compressed**, 4–4.5 mm long, glossy, dark brown; **pleurogram** shortly U-shaped or nearly semicircular; **funicle-aril** short, thick.

### Habitat

Grows in yellow sand and sandy loam on sandplains and flats in heath, scrub and shrubland.

### Specimens

W.A.: near Hamelin Pool, *J.S.Beard 3028* (PERTH); 9.1 km on road from Kalbarri to Ajana, *R.S. & R.A.Cowan A807* (CANB, K, NY, PERTH, US); 0.3 km N of Wubin on Wubin–Mullewa rd, *N.Hoyle 332* (MEL, PERTH); 19.2 km N of Cockleshell Gully, *W.A.Loneragan 67.032* (PERTH); 6.5 km N of Coorow, Geraldton Hwy, *B.R.Maslin 4335* (PERTH).

### Notes

Although the racemes are commonly 2–8 mm long, much longer ones (to 4.5 cm), are found occasionally (e.g., 12.8 km SW of Winchester, 1 Sept. 1974, *C.Chapman*, PERTH); examples of several racemes per axil are also found occasionally (e.g. from Witcherina, *G.Phillips for A.M.Ashby 4838*, NY, PERTH). Data on habit are limited, but a wispy or straggly form from the Murchison R. area is often noted; there are other collections that omit such detail and a very few which note the plant as a compact shrub (e.g. 5 km S of Winchester, Sept. 1974, *C.Chapman*, PERTH, and from near the mouth of the Murchison R., *J.S.Beard 2035*, PERTH).

Formerly confused with *A. yorkrakinensis* subsp. *acrita* which differs largely in its regularly densely branching habit, by its somewhat shorter pulvinus with red or brown phyllode margins and by its oblong-elliptic seeds with a conspicuous funicle-aril and elongate U-shaped pleurogram. There may also be a difference in phyllode colour, but the paucity of observations of this characteristic, as well as of habit and fruits, makes assessment of the taxa extremely difficult; future studies may suggest they be combined, each with infraspecific rank. *Acacia yorkrakinensis* extends SE from the Perenjori–Wubin area which is the southern end of the range of *A. signata*.

### 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:



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