

WATTLE

Acacias of Australia

Acacia kimberleyensis W.Fitzg.



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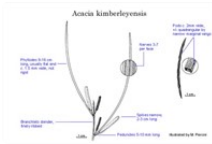
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See illustration.



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

Family

Fabaceae

Distribution

Known from only two localities in the western part of the Kimberley region, W.A., namely, Packhorse Ra. (type locality) and Mt Agnes, c. 80 km to the N.

Description

Shrub 1–1.5 m high, **glabrous**. Branchlets slender, subangular, finely ribbed, **resinous** at least when young. Phyllodes narrowly **linear**, flat or \pm **quadrangular**, 8–16 cm long, 0.8–2 (–3) mm wide, not **rigid**, with 3–7 subdistant somewhat raised nerves per face when flat; central **nerve** slightly more pronounced. Inflorescences **simple**, mostly 2 per **axil**; peduncles 5–10 mm long; spikes 2–3 cm long, narrow. Flowers **5-merous**; sepals free, **linear-spathulate**. Pods narrowly **linear**, 7–10 cm long, c. 2 mm wide, thinly **crustaceous**, finely longitudinally nerved, dehiscing elastically from apex (*fide* protologue); margins very narrowly winged, with **wing** c. 1 mm wide. Seeds (*fide* protologue) longitudinally **oblique**, **narrowly oblong**, c. 6 mm long, shiny, greenish black; **funicle/aril** conical, equalling seed length.

Habitat

Judging from W.V.Fitzgerald's unpublished diary the type was collected in an area dominated by *Eucalyptus miniata* woodland over spinifex and the rocks were sandstone nerved with quartzite.

Specimens

W.A.: near Mt Agnes, C.A.Gardner 1432 (NSW, PERTH).

Notes

The (narrowly) winged pods, narrow spikes and free sepals indicate that *A. kimberleyensis* is related to *A. conjunctifolia*, *A. gonocarpa*, *A. lentiginea*, *A. richardsii* and *A. tenuispica*, but easily distinguished by its long, narrow phyllodes.

The Gardner collection from near Mt Agnes is in flower and differs from the type in having very slender, almost quadrangular phyllodes c. 0.8 mm wide (phyllodes flat and 1.5–1.8 mm wide on the type). Pods are needed to confirm that this collection has been correctly placed in *A. kimberleyensis*. Gardner's specimens superficially resemble *A. filamentosa* which is distinguished by its generally longer, terete phyllodes with very obscure nerves, and united sepals. It is also very similar to *A. filipes* which differs in its longer peduncles and terete, obscurely ribbed branchlets.

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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Australian
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Resources
Study



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