

# WATTLE

## *Acacias of Australia*

### *Acacia kalgoorliensis* R.S.Cowan & Maslin



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See illustration.



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

#### Common Name

Kalgoorlie Wattle

#### Family

Fabaceae

#### Distribution

Occurs in the Kalgoorlie and Marvel Loch (c. 200 km WSW of Kalgoorlie) areas with a variant scattered c. 320–560 km NW of Kalgoorlie (near Wubin and Noongal and Yuinmery Stns), W.A.

#### Description

Dense, rounded multistemmed shrub 1–3 m high. Branchlets subappressed-puberulous; hairs white with red resin-hairlets intermixed. Phyllodes erect, straight, terete, 3–7 cm long,  $\pm 1.5$  mm diam., tapering into long hard dark straight sharply pungent tip, rigid, glabrous except pulvinus crispate-sericeous, with numerous slightly raised closely parallel nerves; stomata evident between the nerves; glands normally 2. Inflorescences simple, 2 per axil; peduncles usually 0.5–1.5 mm long, glabrous or with scattered red resin-hairlets; heads globular to widely ellipsoid, 3–6 mm diam., 15–22-flowered, golden. Flowers 5-merous; sepals free. Pods linear, raised over and constricted between seeds, shallowly curved, to 7.5 cm long, 3 mm wide, chartaceous, glabrous. Seeds longitudinal, narrowly elliptic to oblong-elliptic, 4–4.5 mm long, dull, dark brown; aril terminal.

#### Habitat

Grows in rocky loam, clay and clay loam on low hills in eucalypt woodland. The variant grows in sandy clay and loam over calcrete in eucalypt open woodland and *Acacia* tall shrubland.

#### Specimens

W.A.: near Kanowna, *C.A.Gardner 783* (PERTH); 12.8 km SW of Kalgoorlie towards Coolgardie, *B.R.Maslin 1897* (MEL, MO, PERTH); 28.5 km SSE of Marvel Loch on track towards Mt Day, *B.R.Maslin 5514* (PERTH).

#### Notes

There are four collections from areas more than 300 km NW of the principal occurrence of *A. kalgoorliensis* in the general vicinity of Kalgoorlie; these closely resemble the species but have broadly ellipsoid, 30–40-flowered heads on peduncles 2–4 mm long; we have treated these as representing an informal variant of the species: Noongal Stn, *P.Curry 1073* (CANB, PERTH); c. 40 km NE of Wubin, *B.R.Maslin 5586* (MEL, MO, NSW, PERTH); and 7.5 km E of Yuinmery HS, *J.Dell 95* and *124B* (PERTH).

A member of the '*A. densiflora* group', related to *A. dissona* and *A. densiflora*; the latter species differs in its partly united sepals and uniglandular phyllodes with the apex pungent but not long-spinose. *Acacia inceana* is superficially similar, differing in number of floral parts and phyllode venation. Also similar to *A. donaldsonii* and *A. masliniana*.

The peduncle is usually very short but those of *Bale 109* (Mt Hunt, Boulder, PERTH) are 4–5 mm long.

#### FOA Reference

**Author**

R.S.Cowan

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



Australian Government  
Department of the Environment and Energy



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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