

# WATTLE

## *Acacias of Australia*

### *Acacia chrysellae* Maiden & Blakely



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See illustration.



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

### Family

Fabaceae

### Distribution

Extends from near Cleary S to Pingrup and E to near Coolgardie and Scadden, south-western W.A., with two outlying populations, each represented by a single collection; one from near Mingenew, the other from Ponton Ck near Cundeleele.

### Description

Much-branched **shrub** to 3.5 m high. **Branchlets** and phyllodes **glabrous**. Phyllodes **patent** to **erect**, **linear**, infrequently narrowly **oblanceolate**, **straight** or shallowly **incurved**, (2.5–) 4–13 (–15) cm long, 1–5.5 mm wide, commonly **acuminate**, **uncinate** to subuncinate, green or subglaucous; **midrib** scarcely raised; **lateral** nerves fine or absent; **gland** 1 or occasionally 2, with the lowermost 1–3 cm above **pulvinus**. Inflorescences 3–10-headed racemes; **raceme axes** 4–20 mm long, **appressed-puberulous** with hairs light golden, becoming white and sparse by fruiting; peduncles 2–4 mm long; heads **globular**, 2–3 mm diam., 15–25-flowered, light golden; bracteoles golden-fimbriate. Flowers 5-**merous**; sepals free or united. Pods **linear**, variably constricted between seeds, to 10 cm long, 5–6 mm wide, thinly **crustaceous**, **glabrous**. Seeds **longitudinal**, **oblong** or **elliptic**, 4–6 mm long, dull, black; **funicle** 1/2 to wholly encircling seed in a single fold, light brown or red-brown; **aril** thick.

### Phenology

Flowers Dec.–Aug.

### Habitat

Grows in sand, sandy loam, loam and clay, mostly on flatlands and in open eucalypt woodland.

### Notes

The second variant has phyllodes that are often spreading widely, often narrowly oblanceolate, straight to shallowly recurved, 4–9 cm long, 2.5–5.5 mm wide, frequently subglaucous. The sepals are free. This variant is similar to *A. leptopetala* which has glabrous racemes and peduncles with larger heads and more flowers per head, and to *A. jennerae* which has wider phyllodes, sepals that are not free and a generally shorter funicle. This second variant occurs principally in the area from near Scaddan to N of Norseman, but with scattered occurrences W to near Southern Cross, W.A.

W.A.: c. 9.6 km W of Holt Rock on the road to Hyden, *B.R.Maslin* 563 (CANB, K, MEL, PERTH); 0.5 km W of Yelbeni, *B.R.Maslin* 4153 (PERTH); 2 km W of Wyalkatchem on road to Dowerin, *B.R.Maslin* 6008 (PERTH).

W.A.: Frank Hann Natl Park, *D.Butcher* 315 (CANB, K, NSW, PERTH); Ponton Ck on road from Zanthus to Cundeleele, *A.S.George* 5959 (MEL, PERTH); 49 km W of Coolgardie on Great Eastern Hwy, *B.R.Maslin* 4821 (MEL, PERTH); 62 km NE of Ravensthorpe, *K.Newbey* 9723 (MO, PERTH); 3 km E of Wyalkatchem, *M.D.Tindale* 107 & *E.M.Bennett* (NSW, PERTH).

The third variant has phyllodes that are often patent, occasionally shallowly recurved/sigmoid, mostly 5–7 cm long and 1.5–3 mm wide. It is distinguished from the Kalannie–Wubin variant of *A. brumalis* by shorter, narrower phyllodes. It occurs from near Wyalkatchem SSE to near Holt Rock, W.A.

Somewhat polymorphic with three main variants recognised. The typical variant (sometimes confused with *A. aestivalis*) has phyllodes that are ascending to erect, linear, straight to shallowly incurved, 6–13 cm long, 1–5.5 mm wide, green. The calyx is usually united but readily splitting into oblong-spathulate sepals upon dissection. This variant is widespread from near Mingenew, S to NE of Ravensthorpe and E to Ponton Ck near Cundeleele Mission.

A member of the '*A. microbotrya* group', most closely allied to *A. aestivalis*, *A. brumalis* and *A. harveyi* but distinguished by a combination of its narrow, usually shallowly incurved phyllodes, by its gland position, light golden flower-heads, golden-fimbriate bracteoles and narrow pods which are variably constricted between the seeds.

W.A.: 30.5 km N of Norseman towards Coolgardie, *B.R.Maslin* 2441 (AD, G, PERTH); Salmon Gums, *B.R.Maslin* 5526 (CANB, MO, NY, PERTH); 6 km S of Scaddan towards Esperance, *B.R.Maslin* 5539 (PERTH); 41.6 km S of Karalee, E of Southern Cross, *R.D.Royce* 8571 (PERTH).

### FOA Reference

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

**Author**

Minor edits by J.Rogers

B.R.Maslin

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