

# WATTLE

## *Acacias of Australia*

### *Acacia x grayana* J.H.Willis



#### Family

Fabaceae

#### Distribution

Discontinuous, occurring in the Mannum-Monarto South and Lameroo areas, S.A., and the Wyperfeld Natl Park and Kiata districts, Vic. Grows on sand and sandy loams in mallee or *Callitris* woodlands.

#### Description

Dense shrub or tree 2–3 m high. Branchlets glabrous or sometimes appressed-puberulous at the often angled extremities. New shoots subglabrous to densely appressed-puberulous with white or pale golden hairs. Stipules caducous. Phyllodes linear-oblongate or narrowly elliptic, 2.5–5.5 cm long, 2–5 mm wide, l:w = 12–21, normally abruptly narrowed to a delicate, curved to uncinat point, glabrous, 1-nerved per face, obscurely penninerved. Inflorescences normally 2- or 3-headed racemes; raceme axes normally 1–5 mm long, subglabrous to moderately antrorsely puberulous with white or pale yellow hairs; peduncles 4–12 mm long, with indumentum as on raceme axes; heads globular, 20–35-flowered, bright golden. Flowers 5-merous; sepals free or united. Pods submoniliform, to c. 7 cm long, c. 6 mm wide, thinly coriaceous, glabrous. Seeds longitudinal, elliptic, c. 6 mm long, black; funicle folded on one side of the seed.

#### Habitat

Grows on sand and sandy loams in mallee or *Callitris* woodlands.

#### Specimens

S.A.: northern side of 'Mount Acres' property, NE of Lameroo, *P.Copley* 489 (AD); c. 3 km W of Tepko, *K.Czornij* 229 (AD). Vic.: WNW of Yarto, just within eastern boundary of Wyperfeld Natl Park, 25 June 1960, *I.O.Maraske* s.n. (MEL).

#### Notes

*Acacia microcarpa* var. *linearis* J.M.Black was treated by B.R.Maslin, *Fl. Australia* 11A: 269 (2001), as conspecific with *A. x grayana*, but this entity is now regarded as a hybrid between *A. dictyocarpa* and *A. euthycarpa*.

G.J.Leach & T.Wiffen, *Bot. J. Linn. Soc.* 76: 53–69 (1978), demonstrated that *A. x grayana* is a hybrid between *A. brachybotrya* and *A. euthycarpa* (the latter species was called *A. calamifolia* in that publication). *Acacia x grayana* it is most likely to be confused with the narrowly oblongate phyllode forms of *A. euthycarpa* but is distinguished (rather arbitrarily) by its hairy new shoots and peduncles. These characters also distinguish *A. x grayana* from *A. simmonsiana*, which is further distinguished by its narrower pods and terminal, conical aril.

#### 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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