

Eucalyptus grandis W.Hill

Family:
Myrtaceae

Hill, W. (1862) *Catalogue of the Natural and Industrial Products of Queensland*: 25. Type: Queensland, (near Brisbane), W. Hill
[No 74 Queensland Woods]; holo: K.

Common name:
Rose Gum; Scrub Gum; Flooded Gum

Stem

A well formed tree, bark smooth, green, white or light grey throughout on smaller trees, a rough stocking usually present on the base of the larger trees. Main crown branches tend to be +/- horizontal.

Leaves

Oil dots visible with a lens if not visible to the naked eye. Leaf blades about 8-17 x 1.7-4 cm.

Flowers

Peduncle flat, strap-like. Individual flowers pedicellate. Operculum +/- conical or broadly conical, about 4 mm diam., +/- equal to the calyx tube (hypanthium). Outer operculum shed early, well before the mature bud stage.

Fruit

Fruits pedicellate, +/- turbinate, about 5-6 x 5-6 mm. Valves 4-5, exserted. Seeds not winged.

Seedlings

Cotyledons deeply bilobed with an indistinct vein along each lobe. Oil dots small and sparse, usually visible near the margin. At the tenth leaf stage: leaves ovate, glabrous, oil dots sparse, small, visible with a lens, more common about the margin. Seed germination time 4 to 21 days.

Distribution and Ecology

Endemic to Australia, occurs in NEQ, CEQ and southwards to coastal central New South Wales. Altitudinal range in NEQ from 600-1100 m. Grows as a dominant tree in wet sclerophyll forest but also occurs as an emergent in rain forest where the margins are advancing into eucalypt forest.

Natural History & Notes

Not commonly used in horticulture because of its very large size and because of the danger of falling limbs.

It is a major species of forest plantations both in Australia and overseas.

This species produces a useful timber for house framing and construction, and tool handles. Swain (1928).

Wood specific gravity 0.80. Cause et al. (1989).

RFK Code

394



Trees. © Australian Plant Image Index (APII). Photographer: Brooker & Kleinig.



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



10th leaf stage. © CSIRO



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