

Welchiodendron longivalve (F.Muell.) Peter G.Wilson & J.T.Waterh.

Family:

Myrtaceae

Wilson, Peter G. & Waterhouse, J.T. (1982) *Australian Journal of Botany* 30: 441.

Common name:

Buttercup Tree; Yellow Box Penda

Stem

Fine, cream or yellowish, hard, brittle stripes in the blaze. Blaze quite fibrous.

Leaves

Oil dots numerous, generally 1-4 per reticulation. Leaf blades about 5.5-9.5 x 3.2-4.2 cm. Lateral veins curving inside the margin sometimes forming definite loops. Older twigs with a flaky or papery bark.

Flowers

Inflorescence about 5-12 cm long, approximating or exceeding the leaves. Calyx pubescent, lobes short, about 1 mm long. Petals about 7-12 mm long. Stamens fused into five fascicles opposite the petals, about 80 stamens per fascicle. Ovary apex glabrous. Style about 5 mm long.

Fruit

Fruits about 12-16 x 7-11 mm, calyx lobes persistent at the top of the fruit. Seeds winged, about 7-8 mm long. Cotyledons convolute.

Seedlings

Cotyledons +/- reniform, bilobed, about 3-4 x 7-8 mm, broadly emarginate at the apex. Oil dots very small, more numerous about the margins. At the tenth leaf stage: leaf blade elliptic or obovate, apex acute or obtuse, base attenuate, glabrous; oil dots numerous, visible with a lens; stem 4-winged. Seed germination time 16 to 17 days.

Distribution and Ecology

Occurs in CYP. Altitudinal range from sea level to 150 m. Usually grows in open eucalypt forest but also found in monsoon forest, beach forest and the margins of drier seasonal rain forest. Also occurs in New Guinea.

Synonyms

Tristania longivalvis F.Muell., *Southern Science Record, new series* : 2(1886), Type: Qld, Thursday Island, Scortechini; holo: MEL. Fide Wilson & Waterhouse (1982). *Tristania macrosperma* F.Muell., : (), Type: New Guinea. *Tristania brownii* S.Moore, *J. Bot.* 40: 25(1902), Type: Australia.

RFK Code

671



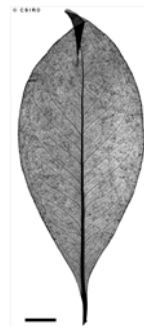
Flower. © G. Sankowsky



Flowers and leaves. © G. Sankowsky



Leaves. © G. Sankowsky



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



10th leaf stage. © CSIRO



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