

Storckiella australiensis J.H.Ross & B.Hyland

Family:
Fabaceae



Ross, J.H. & Hyland, B.P.M. (1983) *Muelleria* 5(2): 215. Type: Qld, Cook Distr., Portion 62 Parish of Alexandra, 16 deg 10 S, 145 deg 10 E, 31.viii.1972, B.P.M. Hyland 6357 (MEL 601493 holo.; QRS iso.).

Common name:
White Bean

Stem

Lenticels usually numerous and conspicuous with a big percentage elongated horizontally. A cream layer is often visible beneath the subrhynchodome layer before the first section of the outer blaze. Ripple marks, i.e. storied rays, usually visible in the inner blaze.

Leaves

Leaflet stalks rather short (about 0.5-1 cm), transversely wrinkled. Lateral veins forming loops inside the blade margin. Midrib raised on the upper surface. Leaflet blades about 5-14 x 2.5-7 cm.

Flowers

Inflorescence about 15-25 cm long, pedicels about 8-11 mm long. Sepals broadly ovate, about 5-8 x 3-6 mm, sparingly to densely sericeous on both surfaces. Petals elliptic, about 7.5-10 x 3-4 mm. Stamens alternating with the petals; filaments about 0.8-1.2 mm long, glabrous; anthers about 4-5 mm long, opening by lateral apical slits. Ovary sessile, up to 4 x 1.5 mm, laterally compressed; ovules 4-5. Style curved, about 4 mm long; stigma small and terminal.

Fruit

Pods elliptic-oblong, flat, 5-11 x 2.8-4 cm, transversely veined, wing 6-9 mm wide, confined to the upper suture. Seeds flattened irregularly, +/- reniform, 7-10 x 10-16 mm.

Seedlings

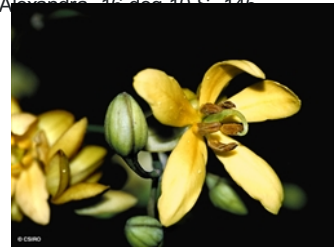
Cotyledons fleshy, obovate, apex +/- truncate or broadly rounded. At the tenth leaf stage: leaves ovate-elliptic or oblong, apex long acuminate, base rounded or auriculate, glabrous, about 7-9 main lateral veins each side of the midrib; petiole glabrous; stipules triangular, hairy, persistent. Seed germination time 15 to 19 days.

Distribution and Ecology

Endemic to NEQ, restricted to the Daintree River-Cape Tribulation and Frenchmans Creek-Babinda Creek areas. Altitudinal range from near sea level to about 100 m. Grows in luxuriant lowland rain forest.

RFK Code

447



Flower. © CSIRO



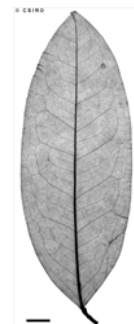
Flower. © Barry Jago



Leaves & flowers. © B. Gray



Fruit, side view and seeds. © W. T. Cooper



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



10th leaf stage. © CSIRO



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