

Pongamia pinnata var. *minor* (Benth.) Domin

Family:
Fabaceae



Domin, K. (1926) *Bibliotheca Botanica* 22(89): 787. Type: "Port Denison, s. dat., Fitzalan s.n. (lecto: MEL 2093476; probable isolecto: MEL 2093280, MEL 2093281, MEL 2093275, MEL 2093278, MEL 2093282, MEL 2093295, MEL 2093478) ...".

Stem

Tree up to 22 m, seasonally deciduous, diameter at breast height up to 42 cm; branches erect or often pendulous. Indumentum of pale fawn, golden or coppery hairs. Stipules oblong-falcate, oblique-obovate or oblique-spathulate, 5-6 mm long, 1.5-4 mm wide, abaxial hairs coppery hairs, apex obliquely acute or obtuse, margin ciliate with fawn hairs becoming glabrous. White granular stripes in the outer blaze. Orange coloured speckles often visible in the blaze.

Leaves

Leaf rachis + petiole 65-220 mm; pulvinus at base 5-7 mm long; petiolules 5-9 mm long; leaflets 5-7 (rarely 5), ovate, elliptical, broadly elliptical, oblong, obovate or trullate; apex acuminate, shortly acuminate or acute; lateral leaflets 30-185 mm long, 13-80 mm wide; terminal leaflets 35-195 mm long, 16-97 mm wide, new growth red; secondary veins on basal leaflets 6-8 pairs, secondary veins on terminal leaflets 6-9 pairs at 40-60 degrees, raised on both surfaces.

Flowers

Inflorescence up to ca. 80-flowered, a raceme or occasionally a few-branched panicle, 60-205 mm long; bracts triangular or lanceolate, 2.5-7mm long, 1-1.5mm wide, pubescent, at right angles to rachis and much longer than buds before dehiscing; pedicels 3-6 (rarely 8) mm long, puberulent with golden hairs; bracteoles ovate or triangular, 1-1.25 mm long, 0.3 mm wide. Flowers: calyx 3-4mm long, green or purplish-brown; standard broadly orbicular, 10-12.5 mm long (including claw 1.5-2 mm long) and 8-11 mm wide, bright pink with green nectar guides; wings oblong or oblong-ovate, 10-11 mm long (including claw 2-3mm long) and ca. 3mm wide, bright pink; keel asymmetrically oblong, 9-10 mm long (including claw 3-4 mm long) and 3-3.5 mm wide, pink; filaments up to 9 mm long; anthers cordate, ca. 0.75 mm long and 0.5 mm wide, a few hairs at base; disc 0.3-0.5 mm high; ovary 5-6 mm long; stipe absent or ca. 0.25 mm long

Fruit

Fruit pedicel 2.5-7 mm long; pod 39-62 x 15-26 x 7-10 mm, brown or blackish, glabrescent with sparse minute hairs near base, base attenuate, apex beaked, inner mesocarp wall papery, exocarp 1.5-2.5 mm thick; seeds reniform, rounded-reniform, laterally compressed, 11.5-16 x 10-18 x 3.5-12 mm, testa cream, pinkish-brown to brown, hilum diameter 1.5-3 mm

Seedlings

Cotyledons at or close to ground level, fleshy, without venation. First few pairs of leaves usually simple, cordate. At the tenth leaf stage: leaflets broadly ovate, apex acuminate, base obtuse, glabrous on the upper surface; leaflet stalks transversely wrinkled; petiole and rachis of compound leaf glabrous; stipules hairy, about 3 mm long, oblong, somewhat falcate, apex rounded. Taproot somewhat swollen. Seed germination time 9 to 107 days.

Distribution and Ecology

Occurs in CYP, NEQ and CEQ. Altitudinal range from sea level to 500 m. Grows in a variety of habitats, e.g. monsoon forest, fringing forest along creeks, coastal vine thickets, sandstone escarpments, gallery forest, brackish estuaries and on the border of mangrove forest. Often found near permanent fresh water.

Synonyms

***Pongamia* sp. Mcllwraith (B.Hyland 3295RFK)**, [Provisional phrase name]. ***Millettia* sp. Mcllwraith (B.Hyland 3295RFK)**, [Provisional phrase name]. ***Pongamia glabra* var. *minor* Benth.**, *Flora Australiensis* 2: 273(1864), Lectotype: "Port Denison, s. dat., Fitzalan s.n. (lecto: MEL 2093476; probable isolecto: MEL 2093280, MEL 2093281, MEL 2093275, MEL 2093278, MEL 2093282, MEL 2093295, MEL 2093478) ...". ***Pongamia pinnata* var. *hannii* Domin**, *Bibliotheca Botanica* 22(89): 787 (1926), Lectotype: "Cape York Penin. Expedition. Comm. Queensland Government, Dec. 1873, W.Hann 274 (lecto: K 000618771) ...".



Flower. © Barry Jago

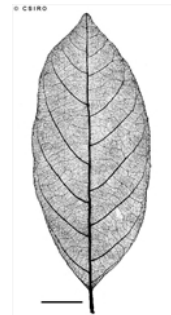


Flowers and buds. © R. Jensen



Fruit, two views and dehiscent. ©

W. T. Cooper



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal, semi-hypogean germination. © CSIRO

Copyright © CSIRO 2020, all rights reserved.



10th leaf stage. © CSIRO



Web edition hosted at <https://apps.lucidcentral.org/rainforest>