

Archidendron lucyi F.Muell.

Family:
Fabaceae

Mueller, F.J.H. von (1868) *Fragmenta Phytographiae Australiae* 6: 201. Type: Murray River, Rockingham Bay, 14 Oct 1867, J. Dallachy; holo: K (?), iso: MEL.

Common name:
Scarlet Bean; Bean, Scarlet

Stem

Seldom grows beyond 30 cm dbh. Blaze odour obnoxious, resembling that of rotten tomatoes (*Lycopersicon esculentum*).

Leaves

Leaflet blades rather large, about 13-20 x 6.5-11 cm, narrowed into a short, about 0.4-0.5 cm, dark, transversely wrinkled stalk. Depressed glands usually present on the upper surface, at the base and apex of the compound leaf petiole or at the base of the compound leaf petiole and at the apex of the primary compound leaf axis. Similar glands also present on the secondary axes between the attachment points of the leaflets.

Flowers

Inflorescences mainly on the stem. Flower odour like honeysuckle (*Lonicera* spp.) Flowers pedicellate, pedicels about 3-4 mm long. Staminal filaments cream, about 30-50 mm long.

Fruit

Fruit borne on the stem and larger branches but mainly on the stem. Fruits yellow or orange on the inner surface. Seeds about 10-16 x 8-10 mm.

Seedlings

First pair of leaves pinnate, each leaf with two leaflets, midrib on the upper surface, petiole and stem with a few very short, prostrate, pale hairs. At the tenth leaf stage: leaves and petioles glabrous; crater-like glands on the upper surface of the compound leaf at the apex of the petiole and on the secondary axes where the leaflets are attached; leaflet blades without glands. Seed germination time 11 days.

Distribution and Ecology

Occurs in NEQ. Altitudinal range from sea level to 100 m. Grows as an understory tree in coastal lowland rain forest. Also occurs in eastern Malesia and the Solomon Islands.

Natural History & Notes

A small tree suitable for tropical gardens. Produces very large compound leaves, panicles of white flowers from the trunk and branches and orange-red spiraled fruits that are yellow inside and have blue or blue-black seeds.

Synonyms

***Pithecellobium lucyi* (F.Muell.) Mohlenbr.**, *Webbia* 21 : 695(1966). ***Affonsea lucyi* (F.Muell.) Kuntze**, *Revisio Generum Plantarum* 1: 158(1891). ***Albizia lucyi* (F.Muell.) F.Muell.**, *Iconography of Australian Species of Acacia and Cognate Genera, Decades* 13 : 6th(1888). ***Archidendron sogorensis* Baker f.**, *J. Bot.* 61 : 12(1923), Type: Sogere, New Guinea, 1885 - 86, H. O. Forbes 615; holo: K, iso: Bm, MEL. ***Archidendron papuanum* Merr. & L.M.Perry**, *Journal of the Arnold Arboretum* 23: 392(1942), Type: Vailala R. Papua and New Guinea, L. J. Brass 1110; holo: A. Fide I. C. Nielsen (1982).

RFK Code

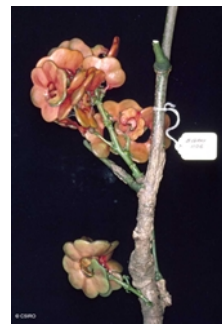
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Flowers. © CSIRO



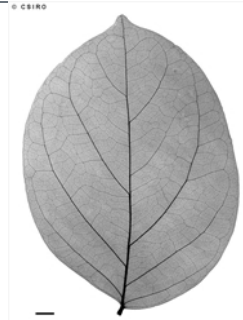
Fruit dehiscent and seed. © W. T. Cooper



Fruit. © B. Gray



Dehiscent fruit. © B. Gray



Scale bar 10mm. © CSIRO



Leaf. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, hypogeal germination. © CSIRO

