

Macaranga involucrata var. *mallotoides* (F.Muell.) L.M.Perry

Family:

Euphorbiaceae

Perry, L.M. (1953) *Journal of the Arnold Arboretum* 34: 223.

Common name:

Brown Macaranga; MACARANGA

Stem

Seldom exceeding 30 cm dbh.

Leaves

Young shoots and younger leaf bearing twigs clothed in short pale hairs. Numerous small yellow dots or glands visible with a lens or the naked eye on the underside of the leaf blade on fresh leaves. (The colour of these glands changes to red or red-brown on herbarium material more than five years old). Two or four flat glands generally visible on the upper surface of the leaf blade close to its junction with the petiole. Leaf blades about 6-14 x 5.5-9 cm, usually hairy on the upper surface, at least on the midrib and main lateral veins.

Flowers

Floral bracts large, with toothed or lobed margins. Outer surface of the tepals densely clothed in hairs and yellowish glands. Female flowers about 1.5-2 m diam. Ovary covered with yellowish glands and hairy trichomes or bristles.

Fruit

Capsules muriculate. Surface of the fruit covered with hairy bristles and yellowish glands. Seeds globular, about 4-5 mm diam.

Seedlings

Cotyledons +/- orbicular, about 7-12 mm diam., hairy on the upper surface. Streaky oil dots just visible with a lens. At the tenth leaf stage: leaf blade trilobed, sometimes deeply trilobed, apex acuminate, base cordate, hairy on the upper surface, densely hairy on the undersurface with numerous yellow glands which age to red or reddish brown on herbarium specimens; stipules linear, hairy. Seed germination time 30 to 35 days.

Distribution and Ecology

Endemic to Australia, occurs in NT, CYP, NEQ and CEQ. Altitudinal range from near sea level to 700 m. Favoured by disturbance, grows in gaps in well developed rain forest and on the margins of rain forest.

Synonyms

Tanarius involucrata Kuntze, *Revisio Generum Plantarum* 2: 620(1891). **Macaranga involucrata** Mull.Arg., *Prodromus* 15(2.: 1011(1866). **Macaranga mallotoides** F.Muell., *Fragm.* 4: 139(1864), Type: Queensland, Mt Elliot, Fitzalan. **Macaranga asterolasia** F.Muell., *Fragmenta Phytographiae Australiae* 4: 140(1864), Type: specimina ad montem Elliot reperta.

RFK Code

374



Dehiscent fruit. © Barry Jago



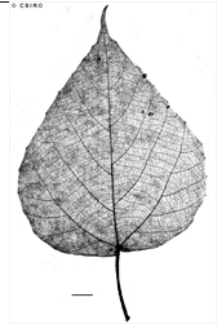
Female flowers and fruits. ©
CSIRO



Leaves and inflorescences. ©
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Leaves and flowers. © G.
Sankowsky



Scale bar 10mm. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO

