

Allophylus cobbe (L.) Blume

Family:

Sapindaceae

Blume, C. (1847) *Rumphius* 3: 131.

Stem

Usually a small tree seldom exceeding 30 cm dbh, but often flowers and fruits as a shrub and occasionally grows as a vine. Vine stem diameters to 4 cm recorded. Blaze very fibrous. Dead bark often slightly layered.

Leaves

Compound leaf petiole often hairy, about 1.5-8 cm long, shallowly channelled on the upper surface. Leaflet blades about 4-13.5 x 2-7.5 cm, leaflet stalks 0-10 mm long. Midrib and main lateral veins raised on the upper surface of the leaflet blade. Terminal buds clothed in pale, +/- prostrate hairs. Twigs marked by longitudinally elongated lenticels.

Flowers

Outer pair of sepals larger than the inner pair, all sepals gland-dotted. Petals about 1.5-2 x 0.5 mm, with a long, tubular claw.

Fruit

Fruits about 5-6 x 4-5 mm. Seeds globular, about 4-5 mm diam., aril absent.

Seedlings

Cotyledons fleshy, about 8-12 x 2-4 mm. apex emarginate, base attenuate. First pair of leaves trifoliolate, the middle leaflet much larger than the lateral leaflets. Leaflet blades about 4-6 x 2-2.5 cm. At the tenth leaf stage: leaflet blade margins serrate at least from the middle to the apex, a few prostrate hairs present on the upper surface. Domatia, if present, are tufts of hair. Seed germination time 26 to 166 days.

Distribution and Ecology

Occurs in NT, CYP and NEQ. Altitudinal range from sea level to 400 m. Grows in monsoon forest, beach forest and on the margins of mangrove forest. Also occurs in Africa, Asia and Malesia.

Synonyms

Schmidelia serrata (Roxb.) DC., *Prodromus* 1: 610(1824). **Rhus cobbe L.**, *Sp. Pl.* 1: 267(1753), Type: Ceylon, collector unknown. **Allophylus crenatus Radlk.**, *Sitzungsberichte der Mathematisch-Physikalischen Classe der k. Bayer Akademie der Wissenschaften zu Munchen* 38 (1908) : 234(1909), Type: Rob. Brown, Armstrong. **Allophylus ternatus (G.Forst.) Radlk.**, *Die Naturlichen Pflanzenfamilien* 3(5) : 313(1893). **Ornitrophe serrata Roxb.**, *Pl. Coromandel* 1: 44(1796), Type: India, collector unknown. Fide Reynolds (1985b). (Now probably the plate t. 61.).

RFK Code

915



Flowers. CC-BY Australian Tropical Herbarium



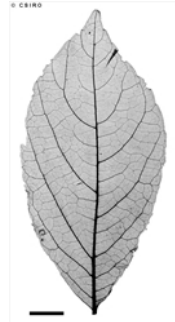
Leaves and Flowers. © CSIRO



Fruit, side view, cross section and seed. © W. T. Cooper



Leaves and fruit. © CSIRO



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



1st leaf stage, epigeal germination. © CSIRO



10th leaf stage. © CSIRO



Vine stem bark and vine stem transverse section. © CSIRO



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