

# *Acalypha lyonsii* P.I.Forst.

Family:  
Euphorbiaceae

Forster, P.I. (1994) *Austrobaileya* 4: 216. Type: Queensland, Isley Hills, McKinnon Creek, 18 May 1992, C. Lyons 113; holo: BRI.

## Stem

Usually flowers and fruits as a shrub 1-4 m tall.

## Leaves

Leaf blade about 10-45 x 8-25 mm, petiole about 2-4 mm long. Lateral veins about 5-10 on each side of the midrib. Margin crenate with about 4-9 teeth on each side. Oil dots numerous, visible with a lens. Stipules very small, triangular, about 0.5-1 mm long with a hair-like appendage at the apex. Twig hairs hooked or bent.

## Flowers

Male flowers: Flowers borne in slender spikes about 10-20 mm long. Stamens 12. Anther cells quite discrete, each borne on a separate stalk which is attached to the apex of the filament. Female flowers: Flowers about 3 mm diam., solitary, subtended by a large bract with a crenate margin, pedicel about 3.5 mm long. Ovary clothed in stiff hairs and each style ends in several branched hairs.

## Fruit

Enlarged, crenate floral bract about 5-20 mm diam. persistent at the base of the fruit. Fruits 3-lobed, about 2 x 3-4 mm. Styles and stigmas persistent at the apex. Seeds smooth, +/- globose, about 1.5-2.2 x 1.6-1.9 mm. Embryo about 1 mm long, radicle about 0.3-0.4 m long.

## Seedlings

Cotyledons orbicular to obtriangular, about 7-8 x 6 mm. Petiole about 2.5 mm. Venation palmate. First pair of leaves with toothed margins. At the tenth leaf stage: leaf blade about 15 x 8 mm, oil dots small and numerous, stipules small, triangular, about 0.5 mm long. Stem clothed in white, prostrate or arched hairs. Seed germination time 12 to 14 days.

## Distribution and Ecology

Endemic to NEQ, known only from collections made from two populations near Cairns. Altitudinal range from near sea level to 200 m. Grows in lowland rain forest.

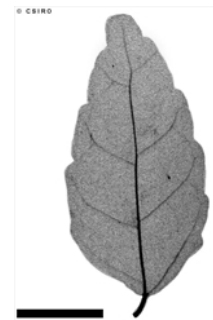
## RFK Code

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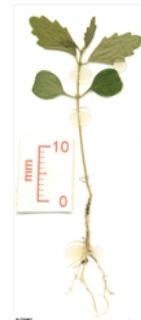


Leaves and female flowers. ©

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Scale bar 10mm. © CSIRO



Cotyledon stage, Epigeal germination. © CSIRO



10th leaf stage. © CSIRO



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