

## *Trevia nudiflora* L.

Ma Fo

Synonym: *Mallotus nudiflorus* (L.) Kulju & Welzen

(EUPHORBIACEAE)

It is a briefly deciduous, pioneer tree growing up to 25 meters tall, with an irregular crown, large spreading branches, and a stout trunk.

### Where does it grow?

It is native to Assam, Bangladesh, Borneo, Cambodia, south-central and southeast China, the East and West Himalaya, Hainan, India, Java, Laos, Malaya, Myanmar, Nepal, the Philippines, Sri Lanka, Sumatra, Thailand, and Vietnam.

### What are its distinguishing characteristics?

**Bark:** grey-brown, often with paler patches, and becomes smooth or flakes in thin pieces as it ages. **Leaf:** (sub)opposite in 2 rows, ovate or triangular with tapering or pointed tip & flattened or heart-shaped base, never peltate, not toothed. Young leaves densely coated with star-shaped hairs, mature leaves thin, yellow-green, with star-shaped hairs at least on the veins below. 3-5 basal veins,  $\pm \frac{1}{2}$  as long as the leaf, 3-6 pairs of side veins with indistinct glands in axils. Stalks hairy, stipules narrowly triangular, falling early. **Flower:** greenish, flowering when leafless or with young leaves, males & females on different trees. Males, in drooping, unbranched clusters with densely hairy axes. Individual stalks slender. (3)5 sepals, hairy especially outside, no petals, 60-90 stamens, no disc. Females in smaller clusters of 1-4 flowers. Calyx spathe-like, splitting irregularly into 2-4 lobes, finely hairy. 2-6 styles, fused near base, with recurved feathery stigmas. Ovary, hairy, no disc. **Fruit:** pale

green, ripening brownish-yellow when ripe, globose, not splitting.

### Why is it a framework species?

Its fruit attracts birds and mammals.

### How are saplings grown?

Collect ripe fruits. Remove the seeds from the fruits and apply scarification before sowing to break seed dormancy. Sow them in germination trays with regular moisture. This treatment gives a high GP > 93% and MLD > 10 days.

### How should saplings be planted and cared for?

Apply a cardboard mulch mat at planting time. Weed and apply fertilizer as necessary. Make sure planted saplings do not become shaded by neighboring trees.

### What can the species be used for?

The leaves, fruits, and wood of the plant are used in traditional medicine.

