

# *Garcinia xanthochymus* Hook.f. ex T.Anderson

## Family:

Clusiaceae

Anderson, T. in Hooker, J.D. (1874) *The Flora of British India* 1(2): 269. Type: India: Circars, s.dat., Roxburgh s.n. (holo: BR, herb. Mart.).

## Common name:

Sour mangosteen; False mangosteen; Yellow mangosteen; Gamboge tree; Eggtree

## Stem

Tree to 20 m. Exudate yellow or milky. Dioecious.

## Leaves

Petioles and twigs produce a yellow or milky exudate. Twigs 6-8-ribbed. Petioles 10-25 mm long. Leaf blades 12-41 cm long x 3.8-12 cm wide; oblong, linear-oblong, oblong-lanceolate, oblong-ovate or ovate; margin recurved. Secondary veins 20-25 pairs, forming loops within the margin; exudate-containing canals sparse on underside as faint long lines.

## Flowers

Male inflorescence not seen for Australian material. Fascicles 4-8-flowered; sepals 5; petals 5, ca. 8 mm diam.; androecium 5-phalangiata; phalanges strap-shaped at base and flabellate towards apex, inflexed, apically branched into 3-6 filaments; anthers 2-celled, introrse; nectaries between phalanges. Female inflorescence axillary or ramiflorous, a reduced raceme, fascicle-like, 2-14-flowered. Female flowers: fragrance not recorded; ca. 10-20 mm diam.; pedicels 18-36 mm; sepals 5, free, suborbicular, 3.5-4 mm long x 6-7 mm wide, green or whitish, margin minutely ciliate; petals 5, free, orbicular, erect, 7.5-8 mm long x 10-11 mm wide, white, cream or pale yellow, margin minutely ciliate; staminodal phalanges 5, opposite petals, solitary and slender or 3 or 4-fused and strap-shaped at base and flabellate towards apex, inflexed, ca. 3 mm long, branched into 3 or 4 filaments at apex, antherodes solitary or 3 or 4 per phalange, introrse, bilobed, flattened; nectaries alternating between phalanges; disk ca. 5 mm wide; ovary globular, ca. 4 mm long x 6 mm wide, sessile, 5-locular, locules uni-ovulate; stigma 5-branched.

## Fruit

Fruits a fleshy berry, yellow or orange, often asymmetrical with beak not centred, ovoid or globose, beaked, 38-65 mm long x 35-50 mm wide; seeds 1-5, usually 1 or 2, 25-35 mm long x 15-18 mm wide; aril fleshy, yellow or orange.

## Seedlings

Features not available.

## Distribution and Ecology

An introduced species originally from India and Asia but cultivated throughout the tropics and subtropics, now naturalised in parts of NEQ and in southern Queensland. Altitudinal range of naturalised plants from near sea level to 500 m. Grows in gallery forest and rainforest.

## RFK Code

1271



Female flower [not vouchered].  
CC-BY: Rismita Sari.



Female flower with petals removed showing staminodal phalanges [not vouchered]. CC-BY: Rismita Sari.



Female flower [not vouchered].  
CC-BY: Rismita Sari.

Copyright © CSIRO 2020, all rights reserved.



Web edition hosted at <https://apps.lucidcentral.org/rainforest>