

# *Planchonella asterocarpon* (P.Royen) Swenson, Bartish & Munzinger

## Family:

Sapotaceae

Swenson, U., Bartish, I.V. & Munzinger, J. (2007) *Cladistics* 23: 222.

## Common name:

Yellow Boxwood; Boxwood, Yellow

## Stem

Bark exudate rather watery, slow to appear and meagre.

## Leaves

Leaf blades about 7.5-13.5 x 3-5.7 cm, underside with a whitish or silvery sheen. Midrib and main lateral veins raised on the upper surface. Petioles produce a watery or slightly milky exudate.

## Flowers

Sepals ovate-orbicular, about 4 x 4 mm, yellowish sericeous or pubescent on the outer surface but glabrous on the inner surface. Corolla about 4-5 mm long. Stamens inserted above the middle of the corolla, filaments about 0.6-0.8 mm long, anthers about 1 mm long. Staminodes +/- linear, about 0.7 mm long. Ovary about 1 mm long, densely brownish-yellow hirsute. Style about 2.5 mm long.

## Fruit

Fruits globular, about 18-20 x 18-21 mm. Seeds up to five per fruit, +/- ellipsoid, laterally compressed, about 13 x 7 x 4 mm. Testa hard and woody, hilum about 2 mm wide, almost 3/4 the length of the seed.

## Seedlings

Cotyledons ovate, slightly unequal-sided, about 15-20 mm long. First pair of true leaves elliptic, margins entire. At the tenth leaf stage: leaves obovate, apex acute, base cuneate to attenuate, upper surface glabrous or with a few hairs on the midrib, undersurface clothed in prostrate, pale hairs, lateral veins about 9-12 each side of the midrib; petiole, stem and terminal bud growth clothed in prostrate, brown hairs. Seed germination time 24 to 39 days.

## Distribution and Ecology

Endemic to NEQ, restricted to the Atherton Tableland and surrounding mountains. Altitudinal range from 900-1150 m. Grows in well developed mountain rain forest.

## Natural History & Notes

Produces a useful general purpose timber.

Wood specific gravity 1.00. Cause et al. (1989).

## Synonyms

*Pouteria asterocarpon* (P.Royen) Jessup, *Austrobaileya* 6: 163(2001), Type: Queensland, Atherton district, holo: Kemp s.n. AQ22582 BRI. *Planchonella pohlmiana* var. *asterocarpon* P.Royen, *Blumea* 8: 395(1955), Type: Kemp s.n. in BRI. .. Queensland Atherton distr., without known loc.: Kemp s.n. (BRI), fr.

## RFK Code

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Scale bar 10mm. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



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