

# *Pleioluma macrocarpa* (P.Royen) Swenson

## Family:

Sapotaceae

Swenson, U. et al (2013) *Taxon* 62(4): 764.

## Common name:

Big Leaf Planchonella; Boxwood, Pink; Pink Boxwood

## Stem

Exudate rather slow and meagre. Lenticels rather large and conspicuous, particularly on large trees. White, granular stripes in the outer blaze.

## Leaves

Leaf bearing twigs rather stout, about 6-8 mm diameter. Leaf blades rather large, about 10-20 x 5-7 cm, lateral veins curved throughout their length but not forming distinct loops. Leaves clustered towards the ends of the twigs. Petioles produce a milky exudate.

## Flowers

Sepals broadly lanceolate, about 5-6 x 3-4 mm, sparse prostrate hairs on the outer surface, almost glabrous on the inner surface. Corolla about 9-11 mm long. Stamens inserted slightly above the middle of the corolla, filaments about 1.5 mm long, anthers about 1.5 mm long. Staminodes linear, about 1.5 mm long. Ovary sericeous, about 1-1.5 mm long. Style about 8 mm long, sericeous in the lower half.

## Fruit

Fruits ellipsoid, about 50-60 x 35-45 mm. Seeds 1-3 per fruit, obovoid, laterally compressed, about 35-40 x 15-18 x 9-12 mm. Testa hard and woody, hilum about 3 mm wide, slightly shorter than the seed.

## Seedlings

First pair of leaves elliptic, both the upper and lower surfaces sparsely clothed in short hairs. Cotyledons ovate or obovate, slightly unequal-sided, about 45-55 mm long, midrib raised on the upper surface. At the tenth leaf stage: leaf blade narrowly obovate-elliptic, apex acuminate, base attenuate, glabrous on the upper surface, about 10-12 lateral veins each side of the midrib, curved but not forming loops inside the blade margin; petiole, stem and terminal bud clothed in short prostrate, brown hairs. Seed germination time 17 to 25 days.

## Distribution and Ecology

Endemic to NEQ, restricted to the area between the Daintree River and the southern edge of the Atherton Tableland. Altitudinal range from 150-1100 m. Grows in well developed rain forest but is more frequently found in mountain rain forest.

## Synonyms

**Planchonella macrocarpa** P.Royen, *Blumea* 8: 320 (1955), Type: Queensland. Cook District, Kaban, Pearson Brothers s.n. (BRI). **Beccariella macrocarpa** (P.Royen) Swenson, **Bartish & Munzinger**, *Cladistics* 23: 221 (2007). **Pouteria pearsoniorum** Jessup, *Austrobaileya* 6: 163 (2001). Type: Queensland, Kaban, Pearson brothers s.n., holo: BRI; iso: L.

## RFK Code

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Fruit, two views and seeds. © W.

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Scale bar 10mm. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



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