

Podocarpus smithii de Laub.

Family:

Podocarpaceae

Laubenfels, D.J. de (1985) *Blumea* 30: 257. Type: de Laubenfels P464 (holo, A), Mt Lewis, Queensland

Common name:

Smith's Pine; Pine, Brown; Brown Pine

Stem

Blaze very fibrous.

Leaves

A conspicuous bud about 6-10 mm long usually terminating each twig. Leaf blades fairly long and strap-like, about 6-11 x 1-1.4 cm. No lateral veins on either side of the midrib.

Flowers

Male cones about 20-45 x 4-6 mm, peduncle about 2-9 mm long. Microsporophylls about 1-2 mm long.

Fruit

Receptacle small, about 5-8 x 4-5 mm, not fleshy, orange-red when the fruit is ripe. Fruits zygomorphic, about 25-30 x 15-27 mm. Seeds about 15-28 x 10-13 mm.

Seedlings

Cotyledons linear, about 20-27 x 2 mm. At the tenth leaf stage: leaf blade linear, sessile, apex acute, base attenuate, midrib raised on the upper surface, no lateral veins present. Cataphylls may occur among true leaves. Seed germination time 173 to 324 days.

Distribution and Ecology

Endemic to NEQ, restricted to the area between Bloomfield and Mt Bartle Frere. Altitudinal range from 50-1100 m. Grows in well developed rain forest but is much more common in mountain rain forest on soils derived from granite.

Natural History & Notes

The timber of this species is useful and can be used for much the same purposes as *Sundacarpus amara*. Swain (1928).

RFK Code

337



Mature and young leaves. © Australian Plant Image Index (APII).



Scale bar 10mm. © CSIRO



Cotyledon and 1st leaf stage, epigeal germination. © CSIRO



Cotyledon and 10th leaf stage, epigeal germination. © CSIRO

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