

Acronychia imperforata F.Muell.

Family:
Rutaceae



Mueller, F.J.H. von (1858) *Fragmenta Phytographiae Australiae* 1: 26. Type: Ad rivulos silvarum secus flumen Brisbane. Hill & Mueller.

Common name:
Fraser Island Apple; Apple, Fraser Island; Green Tree; Logan Apple; Coastal Aspen; Beach Acronychia

Stem

Seldom exceeding 30 cm dbh. Narrow white or cream granular stripes in the outer blaze. Blaze odour resembling that of carrots (*Daucus carota*).

Leaves

Leaf blades about 5.5-13 x 3-6 cm. Lateral veins forming loops (often a double series of loops) inside the blade margin. Scattered oil dots may be visible with a lens.

Flowers

Inflorescence about 2.5-5 cm long. Flowers about 6-9.5 mm long. Stamens eight, dimorphic, four long and four short, in one whorl, long and short stamens alternating.

Fruit

Fruits +/- globular to pyriform, about 12-15 mm diam. Seeds about 4-6 mm long.

Seedlings

Cotyledons elliptic to oblong-elliptic, about 6-14 x 4-7 mm, margins with numerous small peg-like teeth, oil dots visible with a lens. First pair of leaves trifoliolate. Third and fourth leaves trifoliolate or unifoliolate. At the tenth leaf stage: leaf blade elliptic, apex acuminate, base cuneate, petiole about 5 mm long. Midrib raised on the upper surface. Seed germination time 61 to 1267 days.

Distribution and Ecology

Endemic to Australia, occurs in CYP, NEQ, CEQ and southwards to coastal central New South Wales. Altitudinal range from near sea level to 900 m. Grows in monsoon forest and drier, more seasonal rain forest.

Synonyms

***Jambolifera imperforata* (F.Muell.) Kuntze**, *Revisio Generum Plantarum* 1: 102(1891).

***Acronychia scortechinii* F.M.Bailey**, *Queensland Agricultural Journal* 3(4): 281(1898), Type: Borders of scrubs, Logan River, Rev. B. Scortechini; Frasers Island, Miss Lovell.

RFK Code

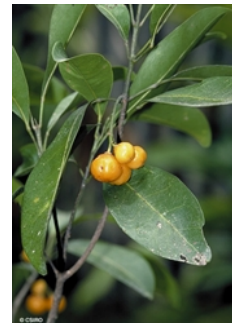
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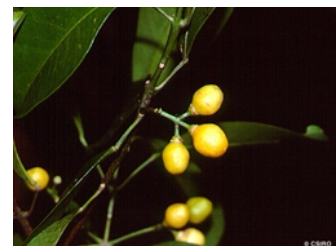
Flowers [not vouchered]. © G. Sankowsky



Flowers. © Australian Plant Image Index (APII). Photographer: M. Fagg.



Leaves and fruits. © CSIRO



Fruit, side view. © CSIRO



Fruit, three views and cross section. © W. T. Cooper



Scale bar 10mm. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO

