

Callitris macleayana (F.Muell.) F.Muell.

Family:

Cupressaceae

Mueller, F.J.H. von (1860) *Essay on the plants collected by E.Fitzalan during Lieut. Smith's Expedition to the Estuary of the Burdekin ..* : 19.

Common name:

Kerosene Pine; Brush Cypress Pine; Cypress Pine; Pine, Brush Cypress; Pine, Kerosene; Pine, Stringybark; Port Macquarie Pine; Stringybark Cypress; Stringybark Cypress Pine; Stringybark Pine; Brush Cypress; Pine, Port Macquarie

Stem

Dead bark layered, purple colourations usually obvious in the dead bark.

Leaves

True leaves quite small, less than 1 mm long, triangular, occurring in whorls of three, usually visible when a needle is broken at one of its joints. Leaves longer on small trees and seedlings.

Flowers

Male flowers produced in cones about 3-5 mm long.

Fruit

Cones (resembling capsules) about 20-30 mm diam., usually produced in clusters on thick woody peduncles. Valves (usually six) thick and woody, +/- triangular, not opening very widely. Seeds winged at one end.

Seedlings

Cotyledons linear, about 20-30 mm long. First leaves in whorls of four. At the tenth leaf stage: leaves in whorls of four, sessile, linear with a needle-like tip at the apex. Seed germination time 36 to 52 days.

Distribution and Ecology

Endemic to Australia, occurs in NEQ, south-eastern Queensland, north-eastern and coastal central New South Wales but not in coastal central Queensland. Altitudinal range in NEQ from 700-1200 m. Usually grows on the margins of rain forest but also found in wet sclerophyll forest.

Natural History & Notes

This species produces a useful but quite fissile timber which can be used to start cooking fires but is not as good as that of *Callitris intratropica*.

Wood specific gravity 0.57. Cause et al. (1989).

Synonyms

***Frenela macleayana* (F.Muell.) Parl.**, *Prodromus* 16(2): 446(1868). ***Octoclinis macleayana* F.Muell.**, *Transactions and Proceedings of the Philosophical Institute of Victoria* 2: 22(1857), Type: At Tacking Point of Port Macquarie, discovered by W.S. Mackay, Esq. ***Frenela parlatorei* (F.Muell.) Parl.**, *Prodromus* 16(2): 447(1868). ***Callitris parlatorei* F.Muell.**, *Fragmenta Phytographiae Australiae* 5: 186(1865), Type: In tractu montium Darlingtons Range Australiae orientalis subtropicae. W. Hill.

RFK Code

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Fruit. © CSIRO



Cones and seeds. © W. T. Cooper



Scale bar 1mm. © CSIRO



Cotyledon stage and 10th leaf stage. © CSIRO



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