

Phebalium longifolium S.T.Blake

Family:
Rutaceae

Blake, S.T. (1959) *Proc. Roy. Soc. Queensland* 70: 44. Type: Queensland, W of Ingham, near Wallaman Falls, 14 Aug. 1954, S.T. Blake 18809; Holo: BRI.

Common name:
Phebalium

Stem

Usually flowers and fruits as a shrub about 1-4 m tall.

Leaves

Leaf blades about 2.5-7 x 0.4-1 cm. Twigs, petioles, buds and leaf blade underside completely covered in peltate scales ranging in colour from rusty brown to white. Upper surface of the leaf blade glabrous. Lateral veins scarcely visible on either the upper or lower surfaces of the leaf blade. Oil dots numerous and conspicuous, leaves aromatic when crushed.

Flowers

Outer surfaces of the calyx and the corolla clothed in brown peltate scales. Calyx about 1 mm long. Corolla about 2.5 mm long. Each anther with a gland at the apex. Carpels five, clothed in brown scales, ovules 2 per carpel.

Fruit

Fruits about 5-7 mm across, clothed in brown peltate scales. Calyx lobes persistent at the base. Individual carpels about 2.5-3 mm long. Oil dots large giving the fruit a rugose appearance. Endosperm oily.

Seedlings

Cotyledons linear, about 11-12 x 1.5-2 mm. Stem and underside of the first pair of leaves clothed in brown and cream peltate scales. At the tenth leaf stage: stem, petiole and underside of the leaf blade completely covered with white, peltate scales with a scattering of similar brown scales. Upper surface of the leaf blade free of scales but marked by rather conspicuous glands. Midrib depressed on the upper surface. Petiole about 1-2 mm long. Seed germination time 114 days.

Distribution and Ecology

Endemic to NEQ. Altitudinal range from 700-1200 m. Usually grows as an understory plant in wet sclerophyll forest but also found on rain forest margins.

Synonyms

Phebalium squamulosum subsp. *longifolium* (S.T.Blake) Paul G.Wilson, *Nuytsia* 1: 85 (1971).

RFK Code

3296



Flowers [not vouchered]. CC-BY
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Leaves, flowers and immature
fruit. © CSIRO



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal
germination. © CSIRO



10th leaf stage. © CSIRO



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