

## *Guilfoylia monostylis* (Benth.) F.Muell.

### Family:

Surianaceae

Mueller, F.J.H. von (1874) *Fragmenta Phytographiae Australiae* 8: 34.

### Common name:

Solo Tree; Scrub Ooline; Plum, Native; Native Plum; Guilfoylia

### Stem

Usually a crooked, poorly formed tree with coppice shoots at the base. Lenticels in wavy, longitudinal lines. White granular stripes may be present in the outer blaze.

### Leaves

Stipules small and inconspicuous. Leaf blades about 5.5-15 x 2.2-5.4 cm. Lateral veins forming loops well inside the blade margin. Leaves often alternate and not spirally arranged on the twigs. Leafy twigs frequently green.

### Flowers

Flowers can be as small as 5-6 mm diam., frequently much larger. Calyx about 4-5 mm long, the lobes about 1.5-3 mm long. Petals reflexed at anthesis, about 2-8 mm long. Stamens ten, yellow, dimorphic, shorter ones opposite the petals. Style lateral, attached near the base of the ovary. Ovules 2 per ovary.

### Fruit

Fruits +/- globular to ellipsoid, about 15-18 x 13-15 mm. Sepals persistent at the base of the fruit. Style also persistent, lateral, attached just above the calyx in a groove. Seed about 12-13 mm long, testa soft and papery. Radicle lateral, cotyledons unequal in size, +/- oblique in the seed.

### Seedlings

Cataphylls about 3-5 before the first true leaves are produced. First pair of leaves ovate, about 50-55 x 25-30 mm. Stipules triangular, about 1 mm long. At the tenth leaf stage: leaf blade ovate, apex acuminate, glabrous, about 5-7 main lateral veins each side of the midrib; stipules short, triangular. Seed germination time 41 to 86 days.

### Distribution and Ecology

Endemic to Australia, occurs in NEQ and in south eastern Queensland southwards as far as coastal central New South Wales. Altitudinal range in NEQ from 750-1100 m. Grows in well developed upland rain forest usually at the drier end of the scale.

### Natural History & Notes

Food plant for the larval stages of the Tailed Emperor Butterfly. Common & Waterhouse (1981).

Not in general cultivation, although trees are showy when in flower.

### Synonyms

*Cadellia monostylis* Benth. var. *monostylis*, *Comprehensive Catalogue of Queensland Plants* : 85(1913). *Cadellia monostylis* Benth., *Flora Australiensis* 1: 375(1863), Type: N.S. Wales. Clarence river, Beckler.

### RFK Code

99



Leaves and Flowers. © CSIRO



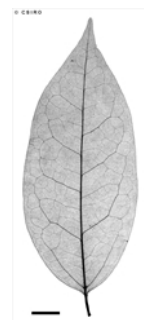
Leaves and fruit. © CSIRO



Flowers. © CSIRO



Leaves and Flowers. © CSIRO



Scale bar 10mm. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, hypogeal germination. © CSIRO

