

# *Leucopogon malayanus* subsp. *novoguineensis* (Sleumer) Pedley

## Family:

Ericaceae



Pedley, L. (1990) *Austrobaileya* 3: 271.

## Stem

Usually grows into a small multistemmed windswept tree but also flowers and fruits as a shrub.

## Leaves

Leaves +/- sessile, very variable in size, about 40-120 x 8-20 mm. Venation longitudinal and parallel with about 8-12 main veins but no obvious midrib.

## Flowers

Flowers in spikes. Calyx lobes about 2 x 1.9 mm, margins hairy. Corolla lobes about 3 x 1 mm.

Staminal filaments about 1.5 mm long, anthers about 0.6 x 0.2 mm. Ovary 8-10-locular. Style about 0.9 mm long.

## Fruit

Fruits depressed globular, about 5-6 x 7-9 mm diam. Calyx persistent at the base. Endocarp greenish, clothed in mainly fibrous tissue, depressed globular, about 4-5 x 5-7 mm, ribbed like a pumpkin (*Cucurbita* spp.). Up to ten seeds in the endocarp, each seed attached by a long funicle. Embryo slightly curved, cotyledons very small, much shorter than the radicle and scarcely as wide.



Flowers. CC-BY: T. Hawkes



Leaves and fruit. CC-BY: S.J.

Worboys



Scale bar 10mm. © CSIRO

## Seedlings

Cotyledons oblong-elliptic, about 5.5-7 x 1.5 mm. First pair of leaves linear, narrower than the cotyledons, venation longitudinal. At the tenth leaf stage: leaf blade linear, about 5-7 x 0.5-1 mm, sessile, venation longitudinal. Stem clothed in short erect hairs. Seed germination time 77 days.

## Distribution and Ecology

Occurs in NEQ, known only from a few collections from the Mt Bartle Frere, Pinnacle Rock and Mt Spurgeon areas. Altitudinal range from 950-1200 m. Grows in windswept mountain rain forest usually on granite. Also occurs in New Guinea.

## Synonyms

*Styphelia malayana* var. *novoguineensis* Sleumer, *Blumea* 12: 148(1964), Type: New Guinea, slope of the Makanoi Ra., above Kotanica, 600-700 m, 17-7-1961, van Royen & Sleumer 6200.

## RFK Code

1103



10th leaf stage, cotyledons still attached, epigeal germination. © CSIRO

---

Copyright © CSIRO 2020, all rights reserved.



Cotyledon stage, Epigeal germination. © CSIRO



AUSTRALIAN NATIONAL HERBARIUM



Web edition hosted at <https://apps.lucidcentral.org/rainforest>