

# *Musgravea stenostachya* F.Muell.

## Family:

Proteaceae

Mueller, F.J.H. von (1890) *Proceedings of the Linnean Society of New South Wales* 5(1): 186. Type: On Mount Ballenden Ker, W.Sayer; on the Johnston River, Dr Th.L. Bancroft.

## Common name:

Oak, Grey Silky; Oak, White; Oak, Grey; Oak, Crater; Oak, Briar Silky; Opak, Crater Silky; Grey Silky Oak; Grey Oak; Crater Oak; Crater Silky Oak; Briar Silky Oak; White Oak

## Stem

Oak grain in the wood and a similar pattern in the inner blaze. Outer blaze often marked by white, granular stripes and pink-red, fibrous stripes, the latter exhibiting oak grain.

## Leaves

Oak grain in the twigs. Leaf blades about 5-17 x 1.8-4 cm, greyish or silvery grey on the underside. Petioles about 0.7-2 cm long.

## Flowers

Racemes about 4-8 cm long. Flowers paired, each sessile on a common peduncle. Common and individual floral bracts present at anthesis. Hypogynous glands three, linear-subulate. Ovary sessile, ovules 1 or 2.

## Fruit

Fruits about 4-7 cm long. Seeds about 3-6 x 2-2.5 cm, wing marginal, about 5-10 mm wide. Embryo about 3 x 1.5 cm.

## Seedlings

Cotyledons not emerging from the seed coat. Seed held in a vertical plane. First pair of leaves simple or lobed, the underside white or pale brown from dense, matted hairs. At the tenth leaf stage: leaf blade elongate-elliptic or elongate-obovate, apex acute, base attenuate, upper surface glabrous or with a few pale hairs especially along the midrib, undersurface densely clothed in pale brown, matted hairs; petiole, stem and terminal bud densely clothed in pale brown hairs. Seed germination time 48 to 94 days.

## Distribution and Ecology

Endemic to NEQ. Altitudinal range from 180-1550 m. Usually grows in well developed upland and mountain rain forest, sometimes in stunted windswept forest on exposed ridges.

## Natural History & Notes

Seeds eaten by Sulphur Crested Cockatoos. Cooper & Cooper (1994).

Produces a useful timber with an oak grain.

Wood specific gravity 0.6780 Cause et al. (1989).

## RFK Code

225



Leaves and fruit. © CSIRO



Scale bar 10mm. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO



10th leaf stage. © CSIRO

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