

# *Syzygium branderhorstii* Lauterb.

## Family:

Myrtaceae

Lauterbach, C.A.G. (1910) *Nova Guinea (Botanique)* 8: 322. Type: West Irian, Okaba, Branderhorst 120; iso: BO

## Common name:

Lockerbie Satinash; Satinash, Lockerbie

## Stem

Generally a small tree but can occasionally grow to 50 cm dbh. Stem normally with bumps on the trunk where the inflorescences arise.

## Leaves

Leaf blades about 7-14 x 3-6.5 cm, petioles about 0.4-1.1 cm long. Midrib grooved on the upper surface at least towards the base. Lateral veins about 15-24 on each side of the midrib.

## Flowers

Bracts generally absent at anthesis. Calyx tube (hypanthium) gradually tapering into a rather stout pedicel, calyx tube (hypanthium) + pedicel about 6-10 mm long, calyx tube (hypanthium) about 4-6 mm diam., calyx lobes short, rounded, uniform, about 0.5-1 mm long. Petals orbicular, about 5-7 mm diam., oil dots conspicuous, more than 100 per petal, fairly uniformly distributed over the outer surface. Outer staminal filaments about 8-12 mm long, anthers about 1 x 0.5 mm, gland inconspicuous. Ovules about 13 or 14 per locule, placentas axile, central, ovules radiating, ascending. Style about 5-8 mm long, substantially shorter than the stamens.

## Fruit

Fruits variable in shape, about 30-50 x 20-40 mm, calyx lobes persistent, difficult to measure precisely, pericarp succulent. Seed solitary, about 17-25 x 12-15 mm, testa adhering slightly to the pericarp, but adhering quite strongly to the uniformly textured cotyledons. Radicle basal, cotyledonary stipules present.

## Seedlings

Cataphylls about 2 or 3 pairs, opposite, one pair occurring just above the cotyledons. At the tenth leaf stage: leaf blade obovate-elliptic, apex obtuse or acute, base attenuate, glabrous; oil dots numerous. Seed germination time 17 days.

## Distribution and Ecology

Occurs in CYP and NEQ. Altitudinal range small, from near sea level to 100 m. Grows in drier, more seasonal rain forest. Also occurs in New Guinea.

## Natural History & Notes

This species has no commercial value and little is known about its wood qualities.

Wood specific gravity 0.87. The fruit is edible. Hyland (1983).

## Synonyms

*Syzygium acetosum* Merr. & L.M.Perry, *Journal of the Arnold Arboretum* 22: 280(1942), Type: Papua, Daru Island, Brass 6267; iso: BO, BRI.

## RFK Code

813



Flowers and buds. © B. Gray



Cauliflorous flowers and buds. ©

CSIRO



Cauliflorous flowers and buds. ©

CSIRO

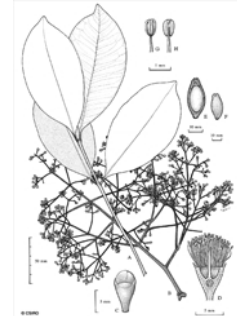


Fruit [not vouchered]. © G.

Sankowsky



Scale bar 10mm. © CSIRO



Habit, inflorescence, flower & bud, anther, fruit. © CSIRO



Cotyledon stage, hypogeal germination. © CSIRO



10th leaf stage. © CSIRO

