

Eucalyptus conspicua subsp. *dispar*

Classification

Eucalyptus | Symphyomyrtus | Maidenaria | Euryotae | Argyrophyllae

Nomenclature

Eucalyptus conspicua subsp. **dispar** Rule & N.G. Walsh, *Muelleria* 36: 85-87 (2018).

T: Victoria: c. 2 km NW of Bulldog Junction towards Ben Cruachan, G. Sutter s.n., 9 Sep 2010; holo: MEL 2418185; iso: CANB, NSW. [CANB isotype not received 15 Oct 2019].



Description

Straggly **tree** to 7 m tall. Forming a lignotuber.

Bark rough to branches ca 3 cm diameter, loosely fibrous, longitudinally furrowed, grey over red-brown; branchlets glaucous.

Juvenile growth (coppice or field seedlings to 50 cm): stem rounded in cross-section, glaucous, smooth; juvenile leaves opposite, sessile for many pairs, orbicular to ovate to cordate, 2.5–6 cm long, 2.5–6 cm wide, margin entire, usually glaucous.

Crown usually blue-green and composed of **juvenile** and **intermediate** leaves. Crown leaves opposite, mostly sessile, rarely with petiole to 1.2 cm long; blade ovate, 3.5–18 cm long, 2.8–6.7 cm wide, base amplexicaul or rounded, margin entire, apex pointed, concolorous, dull, glaucous but ageing to blue-green or rarely green.

True alternate petiolate **adult leaves** not or rarely formed.

Inflorescence axillary unbranched, peduncles 0.2–1.2 cm long, buds 3 or 7 per umbel, sessile. **Mature buds** fusiform to diamond-shaped, 0.6–0.7 cm long, 0.4–0.6 cm wide, glaucous, scar present (outer operculum shed early in bud development), operculum usually conical sometimes weakly beaked, stamens inflexed, anthers cuboid or cuneate, versatile, dorsifixed, dehiscent by longitudinal slits (non-confluent), style long, stigma blunt, locules 3 or 4, the placentae each with 4 vertical ovule rows. Flowers white.

Fruit sessile, obconical or almost campanulate, 0.4–0.7 cm long, 0.5–0.8 cm wide, glaucous or weathering non-glaucous, disc raised-convex or annular, or disc level, valves 3 or 4, exerted or near rim level.

Seeds black, 1–2 mm long, ovoid or flattened-ovoid, often pointed at one end, lacunose or hardly so, dorsal surface smooth, hilum ventral.

Cultivated seedlings (measured at ca node 10): cotyledons bilobed; stems rounded in cross-section, glaucous; leaves sessile and opposite for many nodes, orbicular to cordate, 2.6–5 cm long, 3.2–5.5 cm wide, amplexicaul, margin entire, apex rounded or emarginate, glaucous to blue-green.

Flowering Time

Flowering has been reecorded in October.

Notes

A small tree of restricted distribution in far eastern Victoria south of the Great Dividing Range, east from the Latrobe Valley to Genoa, just extending into south-eastern New South Wales as far as Timbillica and East Boyd State Forest; on slopes and ridges but also on poorly drained soils around intermittent fresh-water swamps (habitat depending on the subspecies). It has rough fibrous bark and the crown consists of opposite sessile juvenile to intermediate leaves and alternate petiolate adult leaves. Umbels have 3 or 7 buds and may form in the axils of opposite or alternate leaves.

Eucalyptus conspicua belongs in *Eucalyptus* subgenus *Symphyomyrtus* section *Maidenaria*, a large group of species more or less restricted to south-eastern Australia, characterised by bilobed cotyledons, simple axillary inflorescences, buds with two opercula (the outer shed during development), stamens with versatile anthers and flattened seeds with a ventral hilum. Within this section, *E. conspicua* belongs in series *Argyrophyllae* having longitudinally furrowed fibrous rough bark throughout, orbicular or ovate juvenile leaves opposite for many nodes and small diamond-shaped buds in threes and sevens. There are five species in series *Argyrophyllae*: *E. alligatrix* (with 3 subspecies), *E. cephalocarpa*, *E. cinerea* (with 2 subspecies), *E. conspicua* (with 2 subspecies), *E. nova-anglica*.

Eucalyptus conspicua is related to *E. cinerea* from which it differs in the crown of coarse juvenile/intermediate and adult leaves and umbels of both 3s and 7s (buds in 3s in *E. cinerea*). Coppice growth typical of series *Argyrophyllae* is usually seen at the sites of occurrence, i.e. opposite, orbicular glaucous leaves on regrowth and saplings to 1.5 m tall. In eastern Victoria the range of *E. conspicua* overlaps with that of the closely related and seven-budded *E. cephalocarpa*. Both species have similar rough bark, however on plants of *E. cephalocarpa* in the Genoa to Mallacoota area the rough bark may only develop on the lower trunk. Both species have similar juvenile or coppice growth. The buds of *E. conspicua* are larger than those of *E. cephalocarpa*, whilst its crown leaves are frequently opposite, coarser-textured and usually glaucous, compared with the alternate, thinner-textured, narrower, green leaves of *E. cephalocarpa*. *E. cephalocarpa* often has glaucous

new adult leaf growth in the crown in spring-summer but the leaves usually quickly mature to green. Confusingly in far East Gippsland both species grow near intermittent swamps dominated by the sedge *Ghania* with *E. conspicua* always lower in the landscape than is *E. cephalocarpa*.

In 2018 Rule and Walsh described a new subspecies, *Eucalyptus conspicua* subsp. *dispar*.

E. conspicua subsp. **conspicua**

Occurs around lowlying areas from the Latrobe Valley in Victoria east to Timbillica and Sidling Swamp in New South Wales. A well-developed spreading tree further characterized by its stronger development towards a crown of petiolate alternate lanceolate-falcate adult leaves although with some opposite sessile and petiolate ovate leaves always present as well. Umbels have 7 shortly pedicellate buds.

E. conspicua subsp. **dispar**

Endemic to Victoria where sporadically distributed from Seaton near Heyfield east to the country north of Bruthen towards Buchan, on hills and ridges with impoverished soils derived from sedimentary rock. It differs from typical subsp. *conspicua* in having buds 3(7) per umbel, crown mostly of juvenile and intermediate leaves and spindly growth habit on foothill sites rather than the lowland sites favoured by the more robust 7-budded trees of subsp. *conspicua*. *E. conspicua* subsp. *dispar* is sometimes mistaken for *E. cinerea* but differs in the much coarser crown leaves and variable buds numbers. In Victoria *E. cinerea* only occurs around Beechworth.

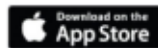
E. conspicua is sometimes an associate of the distantly related *E. ignorabilis*, which has finely fibrous rough-bark, but has non-glaucous oblong-lanceolate juvenile leaves opposite for only a few nodes and a crown of green to grey-green adult leaves.

Origin of Name

Eucalyptus conspicua: Latin *conspicuus*, conspicuous, referring to the contrasting, overall glaucous colour of the crown.

subsp. *dispar*: Latin *dispar* meaning different, referring to the habit and habitat and crown differences between this and the typical form.

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