

## **MYRTACEAE – (i) Eucalypts**

Note: The eucalypts are a very large group that have undergone much research in recent decades, with many new species described and a national consensus on recognition of *Corymbia* (the Bloodwoods) as a separate genus. The most recent and authoritative publications are therefore strongly recommended for serious identification.

**Bale CL (1992) Eucalypts and angophoras of the north coast of New South Wales : a key to the indigenous species.** Botany Department, University of New England, Armidale, NSW. 39 pp. ISBN 1863890009.

Covers the region from Taree north to the border, and west to 800 m altitude. Good key with descriptive information, and excellent line drawings.

**Bower C, Semple B, & Harcombe L (2002) Eucalypts of the central west of NSW. 2<sup>nd</sup> edition.** [NSW] Dept of Land & Water Conservation, Orange, NSW. 60 pp. ISBN 073475258X.

A key to semi-natural groups, then good plain-English descriptions with black and white photos of leaves and small line drawings of fruits, plus very general information on distribution, phenology and habitat.

**Brooker MIH & Kleinig, DA (various dates) Field guide to eucalypts.** Inkata Press, Melbourne, Vic. & Bloomings Books, Hawthorn, Vic. (3 vols.) ISBN set 1876473517

Keys to species, short descriptions, and a good glossary. Good colour photos for each species, showing flowers, buds, fruits, whole tree, etc. Annoyingly, *Angophora* is omitted, and *Eucalyptus* is treated in the broad sense (i.e. including *Corymbia*, the Bloodwoods, now recognised as a separate genus by most other authorities). This nevertheless remains the best printed work for national scale coverage and reliable keys, although superseded by recent versions of the electronic interactive Euclid key (see *Centre for Plant Biodiversity Research 2014*, below).

- **Vol. 1. South-eastern Australia. 3<sup>rd</sup> edn.** (2006) Bloomings Books, Melbourne, Vic. 356 pp. ISBN 1876473525.  
Covers the area south-east of the Darling-Murray river system, including Tasmania;
- **Vol. 2. South-western and southern Australia. 2<sup>nd</sup> edn.** (2001) Bloomings Books, Melbourne, Vic. 428 pp. ISBN 1876473282.  
Covers semi-arid NSW, South Australia, and the southern half of WA.;
- **Vol. 3. Northern Australia.** (2004) Bloomings Books, Melbourne. 383 pp. ISBN 1876473487.  
Covers the tropics and the northern part of the semi-arid zone.

**Brooker I, Connors, J & Slee, A (2002) EUCLID : eucalypts of southern Australia.**

See under *Centre for Plant Biodiversity Research (2014) EUCLID*, below.

**Brooker I & Kleinig D (2012) Eucalyptus: an illustrated guide to identification.** Reed New Holland, Chatswood NSW. 230 pp. ISBN 9781921517228.

A boiled-down version of the same authors' three-volume work (see above), this covers 200 of the most common species of eucalypt from all over Australia, with brief diagnostic descriptions and good colour photos. A tabulated key with easy characters allows placement of a specimen against

one or several possible species. The genus *Angophora* is not included, and these authors treat *Corymbia* (the Bloodwoods, recognised as a separate genus by most others) as within *Eucalyptus*; the *Corymbia* names are provided in the text, but are not separately indexed. Nevertheless, a good guide for general users in most areas.

**Brooker I & Nicolle D (2013) Atlas of leaf venation and oil gland patterns in the Eucalypts.** CSIRO Publishing. 232 pp. ISBN 9780643109858.

Aid to the identification of eucalypts in the field. Standardises leaf venation and oil gland terminology, and details the visible features of the fresh adult leaves of eucalypts as seen with reflected and transmitted light. All genera, sections, series and subseries are represented.

Colour photographs

**Carr D (2010) Field guide to the trees and tall shrubs of the North-West Slopes. 2nd edition.**

Greening Australia, Armidale, NSW. 89 pp. [ISBN lacking?]

Spiral bound guide to the eucalypts of the area and a variety of shrubs. Simple diagrammatic key to groups. Brief plain-language descriptions with diagnostic line illustrations and some colour photos.

**Centre for Plant Biodiversity Research (2014) EUCLID - Eucalypts of Australia. Third revised edition. [Flash Drive interactive].** CSIRO Publishing. ISBN: 9781486301973.

**ELECTRONIC RESOURCE: INTERACTIVE (flash-drive).** See

<https://www.anbg.gov.au/cpbr/cd-keys/euclid3/> for features, sample, and purchase.

Comprehensive interactive identification system for all 894 taxa in *Eucalyptus*, *Corymbia* and *Angophora*, running on the user-friendly Lucid platform. This system enables a fair chance at species identification even if only fragmentary material is available. Fact sheets for each species include a botanical description, nomenclature, distributional and ecological information (not very detailed), and notes on relationships, diagnostic features and confusable species. Over 9000 high-quality colour images, covering all the main features of each species.

RECOMMENDED. The 2006 DVD version of this edition is still in wide use.

An earlier version of the original Euclid electronic product was published as: *Brooker I, Connors, J & Slee, A (2002) EUCLID : eucalypts of southern Australia. 2<sup>nd</sup> edn.* CSIRO, Collingwood, Vic; (1 CD-ROM), ISBN 0643068368; this covered 690 species with correspondingly fewer images, and is now well out of date.

**Chippendale GM, in George AS (exec. ed.) (1988) Flora of Australia. Volume 19. Myrtaceae: Eucalyptus, Angophora.** Australian Government Publishing Service, Canberra. 540 pp. ISBN 0644058668.

This was a deliberately conservative treatment at the time of publication, as there was much work in progress, and it is now drastically outdated due to the description of many more species, a better sub-generic classification, and the separation of *Corymbia* (the bloodwoods). This contains keys and descriptions for the 513 species recognised at the time, with many good line drawings.

**Clarkson J (2009) A field guide to the eucalypts of the Cape York Peninsula Bioregion.**

Queensland Department of Environment and Resource Management, Mareeba, Qld. 110 pp. ISBN 9311662182647.

Spiral-bound and field-hardy guide, covering all 41 eucalypt (*Eucalyptus* and *Corymbia*) species

and subspecies of the region, arranged by bark type, with treatments of each covering diagnostic features, confusable species, with detailed distribution maps and good line drawings of buds, fruits and leaves.

**ELECTRONIC RESOURCE**: a CD-ROM version was also published; availability uncertain.

**Duncan F (1996) A field key to Tasmanian species of eucalypts.** *Tasforests* vol 8 (December 1996); Forestry Tasmania.

**ELECTRONIC RESOURCE: ON-LINE: (PDF)**: a stand-alone PDF version is at:

[https://www.fpa.tas.gov.au/\\_data/assets/pdf\\_file/0017/110474/tas\\_eucalypt\\_key.pdf](https://www.fpa.tas.gov.au/_data/assets/pdf_file/0017/110474/tas_eucalypt_key.pdf)

A field key for identification of Tasmania's 29 native eucalypts, with attention to infraspecific variation, hybrids, and clinal forms. Only one species is (line-)illustrated

**Floyd AG (1958) Field identification of seedlings of the major tree species in the Blackbutt and Flooded Gum areas.** Forestry Commission of N.S.W., Division of Forest Management: *Research Note no. 1.*

The region of coverage is the North Coast of NSW. Two dichotomous keys are provided for the identification of seedlings of ten tree species (eight of them eucalypts), at cotyledonary stage (c. 1 month) and up to about 1.3m height (c. 12 months), followed by a tabulation of features at both stages for each species.

**French M (2012) Eucalypts of Western Australia's wheatbelt.** [Self-publ. by author: [www.eucalyptsofwa.com.au](http://www.eucalyptsofwa.com.au), email [MEF@eucalyptsofwa.com.au](mailto:MEF@eucalyptsofwa.com.au)] 356 pp. ISBN 9780646590660.

Covers all 159 species of eucalypt known to occur in the wheatbelt, with short but detailed descriptions and a wealth of notes and good distribution maps. Good to excellent colour photos (1300 in all) show habit and some of the diagnostic features for each species; however juvenile foliage, in cases where photos are lacking, is shown by colour paintings and these are not always at a useful level of detail.

**French ME (1997) The special eucalypts of Perth and the south-west.** F&N publications, Perth, WA. 208 pp. ISBN 064629394X.

Covers 72 species native to the area and 33 popular introduced species, with fair-quality colour photos, brief plain-English descriptions, and notes.

**Hancock N (2015) Mallees of the Southern Mallee District of South Australia: a ute guide.** [Self publ.by author, [nolahancock@hotmail.com](mailto:nolahancock@hotmail.com)]. 51 pp. ISBN 9780646932996.

Field-hardy spiral bound guide to mallee eucalypts of the Lameroo-Parilla-Pinaroo area in the Murraylands/Murray Mallee region, but also useful further afield in SA and in adjacent areas of Victoria. Only eight species are keyed and illustrated (in excellent colour photos), with supplementary comparison tables of the features of pairs of confusable species. A further six species, less common in the area, are briefly mentioned, with fruit illustrations.

**Hunter JT (2015) Eucalypts of the Northern Tablelands. 2<sup>nd</sup> edition.** John T Hunter. 200 pp. ISBN lacking.

An extended dichotomous key (and embedded short descriptions) for all known *Eucalyptus* species

(but not *Corymbia* and *Angophora*) on the Northern Tablelands of New South Wales. Every key lead and terminal taxon is illustrated by colour images. [Not fully evaluated but looks good].

**Klaphake V (2010) Eucalypts of the Sydney Region. 2<sup>nd</sup> edition.** Self-publ. (Van Klaphake, 470 Bulli Creek Rd, Byabarra NSW 2446, ph 02 6587 1210). 128 pp. [No ISBN].

Treats all 137 species (*Eucalyptus*, *Corymbia*, *Angophora*) of the region from Nowra to Newcastle and west to Orange and Denman. Simple keys, with good line illustrations of each species and minimal notes. Good colour illustrations of bark types.

**Leighton P & Moir P (1996) Eucalypts of the Wellstead district.** Wellstead Historical & Heritage Committee, WA. 102 pp.. No ISBN.

Plain-English descriptions of 45 local species of this small area on the WA south coast, with very basic line drawings.

**Leonard G (2007) Eucalypts of the Sydney region – a bushwalkers guide.** UNSW Press. 82 pp. ISBN 9780868408620.

Pocket/backpack guide to 80 of the more common eucalypt species from Nowra to Newcastle and inland to the western Blue Mountains. Brief descriptive and other notes; fair to good line drawings and colour photos.

**McMahon, DS (1990) Eucalypts for enthusiasts : a guide to the identification of eucalypts found in south-eastern Australia.** D.S. McMahon, Fitzroy, Vic. 128 pp. ISBN 0646023721.

Pocket-sized field guide, with friendly semi-pictorial (buds and fruits) keys to a selection of over 300 species. The taxonomy is now significantly dated in several groups, but this remains a good example of a non-technical handbook for casual users.

**Nicolle D (1997) Eucalypts of South Australia.** D. Nicole, Morphett Vale, SA. 208 pp. ISBN 0646327437.

Treats 95 species, several of which have not previously been illustrated in colour. Recognises *Corymbia* (bloodwoods and ghost-gums) as distinct from *Eucalyptus*. Good plain-English notes and descriptions, excellent quality colour photos. Now superseded by the on-line delivered *Flora of SA* treatment (Nichole 2014, see below), but remains useful.

**Nicolle D (2006) Eucalypts of Victoria and Tasmania.** Bloomings Books, Melbourne. 310 pp. ISBN 1876473606.

Covers all 141 species known for these States at the time of publication, with thorough descriptions and notes and excellent colour photos. Includes a good key to all species.

**Nicolle D (2014) Myrtaceae (partly) (version 1).** In: Kellermann, J. (ed.), *Flora of South Australia* (edition 5). State Herbarium of South Australia: Adelaide. [www.flora.sa.gov.au/ed5](http://www.flora.sa.gov.au/ed5). 102 pp. ISBN lacking.

**ELECTRONIC (only) RESOURCE: ON-LINE: free PDF:**

As at July 2015, this interim version of the *Flora of South Australia* chapter on Myrtaceae only covers the eucalypt genera *Angophora*, *Corymbia* and *Eucalyptus*. Further genera are in preparation.

Standard flora treatment: full keys to genera and species, short descriptions, distributions, conservation status, very brief general notes, and good diagnostic line illustrations.

RECOMMENDED

**Page M (1998) The eucalypts of Tasmania.** M. Page, Launceston, Tas. 75 pp. ISBN 0646351982

Covers 29 species, these being most or all of those native to Tasmania. Short plain-English descriptions with fair-quality colour paintings and a few colour photos of habit of some species. No keys.

**Podberscek M (1993) Field guide to the eucalypts of the Gympie, Imbil and Maryborough Forestry Districts.** Department of Primary Industry, Brisbane, Qld. (Information series 193019) 114 pp. ISBN 072425367X.

Keys and descriptions to 39 species of the area; each description is illustrated with poor quality (but generally adequate) black and white collaged photos. Unfortunately excludes *Angophora*.

**Pryor LD (1981) Australian endangered species : eucalypts.** Australian National Parks and Wildlife Service, Canberra. (Special publication 5) 139 pp. ISBN 0642896798.

Black and white photos (whole tree) only. Of historical interest only.

**Queensland Herbarium (2004) Key to eucalypts of greater Brisbane. 2<sup>nd</sup> edition.** Queensland Environmental Protection Agency. No ISBN.

A3 fold-out brochure; a useful illustrated key to 40 local species. Free download, follow link from <https://www.qld.gov.au/environment/plants-animals/plants/herbarium/publications/>

**Slattery BJ, Perkins E, & Silver B (2016) Eucalypts of the Mount Alexander region.** Friends of the Ironbark Forests, Mount Alexander Region. 96 pp. ISBN 0646960059, 9780646960050.

Field guide to the eucalypts of the northern flank of the Great Divide in Victoria. Each species illustrated with line drawings and colour images, with plain-English descriptions.

**Thomson BG & Kube PD (1990). Arid Zone eucalypts of the Northern Territory.** (NT Botanical Bulletin no. 9). Conservation Commission of the Northern Territory, Alice Springs, NT. 79 pp. ISBN 0724519238; ISSN 03141810. A free PDF formerly available at

<http://www.lrm.nt.gov.au/plants-and-animals/herbarium/identifying-plants> is no longer at that site; its content is assumed to have been incorporated into the online FloraNT (<http://eflora.nt.gov.au/>).

The hardcopy is now very dated, but covers 29 species of eucalypts from the NT arid zone, with a good key, brief descriptions and notes, good line drawings of diagnostic features, and colour photos of habit.

**Williams JB (1982) New England eucalypts : a key to the indigenous species.** University of New England Press, Armidale, NSW. 28 pp. ISBN 0858343762.

Now very dated. An easy key, well-illustrated with line drawings, leads to short descriptions, with common name, scientific name, and brief notes on habitat and distribution. 55 species are illustrated.

**Wiltshire R & Potts B (2007) Eucaflip: life-size guide to the eucalypts of Tasmania.** School of Plant Science (University of Tasmania) and Cooperative Research Centre for Forestry. ISBN 9781862953970.

A laminated (field-hardy) map-sized document that folds down to long-pocket size or doubles as an educational poster. Pictorial guide for identification of the State's 29 native eucalypt species, illustrating diagnostic features (fruit, buds, bark and leaves) with excellent colour images of adult and juvenile foliage, buds, and fruits, plus distribution maps.