

WEEDS

There is a huge regional literature on weed identification and management, in on-line and hardcopy formats. Only a fraction of the total is shown here. Websites of local Councils, Natural Resource Management bodies, and Departments of Primary Industry/Agriculture often have identification and management information for common or priority species.

State and territory on-line Information & Identification Systems covering large sets of naturalised taxa [For some states these on-line systems are as yet incomplete in coverage. For these cases, see recent Floras and other resources in the relevant sections of this bibliography.]

WEEDS – NATIONAL AND INTERNATIONAL

Randall, RP (2017) A global compendium of weeds. 3rd edition. R.P. Randall. ISBN: 9780646967493.

ELECTRONIC RESOURCE, ON-LINE (free PDF):

<https://www.researchgate.net/publication/313645439> **A Global Compendium of Weeds Third Edition** (very large PDF file, c. 68 MB, 3,659 pages).

Not an identification resource as such, but a very comprehensive directory of weeds by currently recognised names and authoritative references.

Weeds in Australia website. (Commonwealth Dept of Environment – ongoing).

ELECTRONIC RESOURCE – ON-LINE, Interactive:

<http://www.environment.gov.au/biodiversity/invasive/weeds/index.html>

<http://www.environment.gov.au/biodiversity/invasive/weeds/identification/index.html>

Provides a range of information on weed issues, including different options for identification.

- The *Weed Identification Tool*: simple search on flower colour, growth form, and State.
- *Weed Search* by name takes you straight to images and fact-sheets for that species.
- Full (A—Z) list of weeds: browse thumbnail images and names, with linked fact-sheets.

Weeds Australia website:

ELECTRONIC RESOURCE – ON-LINE, Interactive: <http://www.weeds.org.au/>

The site includes two main identification resources (along with much other information):

- **Weed Identification Tool:** <http://www.weeds.org.au/weedident.htm> .Currently contains fact-sheets for 292 species, each with very brief descriptions, useful notes on diagnostic features and confusable species, and good sets of images (usually including seedlings and seeds). Allows search by scientific or common name, or by combinations of area (State, IBRA biogeographic regions) and growth form. Some of the external links offered do not currently (Aug. 2015) work, but otherwise RECOMMENDED.
- **Weeds of National Significance (WONS):** <http://www.weeds.org.au/WoNS/> Lists the inaugural (1999) and supplementary (2012) WONS species, with links to a variety of resources, some with identification aids in various formats, and mixed imagery.

Weeds of Australia identification tool, Biosecurity Queensland edition. Queensland Government (2011-ongoing?).

ELECTRONIC RESOURCE – ON-LINE, Interactive:

<https://www.business.qld.gov.au/industry/agriculture/land-management/health-pests-weeds-diseases/weeds-and-diseases/weed-identification-tool>

also accessible at <http://keyserver.lucidcentral.org/weeds/keys.jsp>

An interactive key in the user-friendly Lucid system, with a wide set of search characters and states, covering more than 1,000 species (national scope, not restricted to Qld). Most taxa have an image gallery (not always fully comprehensive) and all have a plain-English fact sheet with good descriptive and diagnostic detail.

See also below (LucidMobile [Navie S & Adkins S] [2013?] *Environmental weeds of Australia*), for an app version which may or may not be fully equivalent.

International Environmental Weed Foundation

ELECTRONIC RESOURCE – ON-LINE: http://www.iewf.org/weedid/iewf_front_id.html

A useful site with two easily browsed resources:

- Common Invasive Plants of the World index
- Common Invasive Plants in Australia index

Each species has a plain-English fact-sheet with brief descriptive notes and usually some notes (not necessarily comprehensive) on confusable species, plus a good image gallery. The Australian index is less comprehensive than some of the above Australian sites, but is still worth cross-checking for the different images and notes.

WEEDS - QUEENSLAND

Queensland Department of Agriculture and Fisheries (ongoing) Weeds webpages. Queensland Government.

ELECTRONIC RESOURCE – ON-LINE: <https://www.daf.qld.gov.au/business-priorities/biosecurity/invasive-plants-animals>

A mainly Queensland-scope set of resources, including identification aids and covering both environmental and agricultural/pastoral weeds. Searchable by scientific or common names, or browse an A-Z list, click to fact-sheets and images.

Ward D, Goosem S & Werren G (2001) Weed Pocket Guide: Agricultural and environmental weeds: Far North Queensland. Department of Natural Resources and Mines, Queensland Government. 166 pp. ISBN 0734526113.

ELECTRONIC RESOURCE – ON-LINE: free PDF: <http://www.wettropics.gov.au/site/user-assets/docs/FNQWeedBook.PDF>

Covers about 80 species, with fair- to good quality colour images, brief descriptive information, habitat notes, and legal/advisory status.

[author?] (1997) **Weed pocket guide: South-east Queensland**. The Land Protection Council, Woolloongabba, Qld ISBN-10: 0724272593 (or 0734516665?); ISBN-13 9780734516664.

NOT SEEN

WEEDS - NEW SOUTH WALES (incl. ACT and Lord Howe Island)

National Herbarium of NSW (ongoing) PlantNET: New South Wales Flora Online

ELECTRONIC RESOURCE – ON-LINE: <http://plantnet.rbgsyd.nsw.gov.au/floraonline.htm>

Information system with keys, descriptions and varying levels of imagery for all NSW plants, native and naturalised.

NSW Department of Primary Industries (ongoing) Biosecurity: Weeds webpages.

ELECTRONIC RESOURCE – ON-LINE and App version:

<https://www.dpi.nsw.gov.au/biosecurity/weeds>

Multiple resources, among which the main identification aid is NSW WeedWise, which gives information and images on more than 300 environmental and noxious (declared) weeds. WeedWise is available as a smartphone app (in android and Apple versions); the on-line web version has functionality problems as at August 2015.

Sydney Weeds Committees (ongoing) ‘What is this weed?’ website.

ELECTRONIC RESOURCE – ON-LINE: <http://sydneyweeds.org.au/about/what-is-this-weed/>

Easily browsed thumbnails arranged by growth form, linked to short fact-sheets with some brief descriptive information. Also has links to several other NSW regional resources.

ACT Government (ongoing?) Weed Identification Tool - ACT and Southern Tablelands.

ELECTRONIC RESOURCE – ON-LINE, Interactive:

<https://www.environment.act.gov.au/parks-conservation/plants-and-animals/Biosecurity/invasive-plants> An interactive key to 274 species, running on the user-friendly Lucid system. Confirmation of your resulting identification is mainly by image (remember to click on the primary image to pull up the full image gallery); the descriptive text is minimal. However some of the species are linked to the NSW PlantNET system, which provides better descriptive information and puts them in a genus context, with keys.

WEEDS - VICTORIA

Royal Botanic Gardens Melbourne (2014-continuing) VicFlora: Flora of Victoria.

ELECTRONIC RESOURCE: ON-LINE: <https://vicflora.rbg.vic.gov.au/>

VicFlora is an authoritative (but still under development) identification system for all Victorian native and naturalised plants, and eventually fungi and algae.

Department of Agriculture (ongoing) Weeds webpages.

ELECTRONIC RESOURCE – ON-LINE: <http://agriculture.vic.gov.au/agriculture/pests-diseases-and-weeds/weeds>

The main identification aid is a large but not comprehensive ‘A-Z of Weeds’ (browse common names and images). Also info on the Weed Spotters’ Network.

South Gippsland Landcare Network (2009-ongoing?) South Gippsland weeds.

ELECTRONIC RESOURCE – ON-LINE: <http://www.sgln.net.au/weed-identification/> The main identification aid is the ‘Weed Identification Gallery’, a set of basic single images for more than 60 species; no descriptive text.

Bevan A (ed.) (2012) Weeds Identification Guide – North Central Victoria. 2nd edition. North Central Catchment Management Authority, Huntly, Vic.

ELECTRONIC RESOURCE – ON-LINE: free PDF: go to www.nccma.vic.gov.au then enter ‘Weeds Identification Guide’ into search window.

Guide to about 80 weeds of the region; variable quality colour photos and brief plain-English descriptions.

WEEDS - TASMANIA

Flora of Tasmania Online. (2009-ongoing). Tasmanian Herbarium, Tasmanian Museum & Art Gallery: Hobart). https://www.tmag.tas.gov.au/collections_and_research/tasmanian_herbarium

ELECTRONIC RESOURCE, ON-LINE (free PDF downloads)

Information on all flowering plants, native and naturalized, for the State, including descriptions, keys, taxonomic relationships, distributions and ecology. *Flora of Tasmania Online* is published in fascicles: usually 1 fascicle per family, with full keys, short descriptions, and distribution and habitat notes. 58 families have been treated to date (June 2015). The fascicles are available as PDF files and web pages, and are also available at the State Library of Tasmania website.

DPIPWE (ongoing) Invasive species – Weeds webpages. Department of Primary Industries, Parks, Water and Environment. **ELECTRONIC RESOURCE, ON-LINE**

<http://dPIPWE.tas.gov.au/invasive-species/weeds>. The site includes:

- a *Weeds Index* (Declared, non-Declared, and a combined list searchable by scientific name; all yield images and fact-sheets with descriptive information.
- A separate set of text and images for *Common Environmental Weeds*.
- the *Dennis Morris Weeds Database* for good line illustrations of many weed species.

WEEDS - SOUTH AUSTRALIA

Kellerman J (2011 – ongoing) (ed.), Flora of South Australia (edition 5). State Herbarium of

South Australia, Adelaide. www.flora.sa.gov.au/ed5

ELECTRONIC RESOURCE: ON-LINE: free downloadable PDFs

A revised Flora for the vascular plants of the State (updating the 4th edition of Jessop & Toelken 1986 – see below), with family treatments added as they become available in whole or in part.

PIRSA (ongoing) Weed Information and Identification webpages. Primary Industries and Regions SA. **ELECTRONIC RESOURCE: ON-LINE: PDF & Word documents:**

http://pir.sa.gov.au/biosecurity/weeds_and_pest_animals/plant_pests_in_south_australia/weed_id

Fact-sheets with good images and very brief descriptive information on about 33 priority environmental and agricultural weed species.

WEEDS - WESTERN AUSTRALIA

Florabase

ELECTRONIC RESOURCE: ON-LINE; some interactivity. <https://florabase.dpaw.wa.gov.au/>

The *FloraBase* website is comprehensive for all native and naturalized plants in WA. The core module is searchable on names, locations, and a very limited range of plant attributes, but does not contain any keys as such; however a growing set of interactive keys to WA families, genera, and (for some families only) to species, are available from the same homepage.

WEEDS - NORTHERN TERRITORY

FloraNT: Northern Territory flora online

ELECTRONIC RESOURCE, ON-LINE: <http://eflora.nt.gov.au>.

Maintained by the Northern Territory Herbarium (2015 – ongoing). The main features of the system are checklists and identification and information resources for NT plants (native, introduced and naturalised, and Threatened species). Browse by plant name to access fact sheets, PDFs of printed floras (including identification keys), and other information, or use Search functions on any combination of spatial attributes, plant name or plant characteristics including conservation status. Imagery is uneven as at August 2015, but will soon be supplemented by several thousand further images. Specimen label information from the NT herbarium is available in abridged form for each species (sheet number, date of collection, and geo-coordinates).

Alphabetical Listing of Weeds (Department of Land Resource Management; ongoing)

ELECTRONIC RESOURCE, ON-LINE: <http://www.lrm.nt.gov.au/weeds/find>

Fair-quality images of about 50 species, linked to information sheets mainly relating to legal status, quarantine, ecology and management; the descriptive information, other than the images, is minimal, but some species are linked to a 'Photo Identification Table' page with more images and slightly expanded plain-English descriptions. These Tables (basically recognition sheets) are downloadable in a single PDF file.

Albrecht D & Rogers L (1999) Weeds of the Tanami – a field guide to the environmental weeds of the Tanami region, Central Australia. Normandy NFM Ltd, Alice Springs. 40 pp. ISBN

0646382683. NOT SEEN

WEEDS - AUSTRALIAN OCEANIC ISLANDS

See *Flora of Australia* volumes in 'Oceanic Islands' section of this bibliography.

OTHER WEED RESOURCES (all scales)

Anon. (2004) Noxious weeds guide for the north and mid-north coast. Blue Pencil Publishing, ph. 03 5253 1840. No ISBN.

Fold-out brochure with colour photos and notes on 36 environmental weed species. The region referred to in the title is "of NSW".

Anon. [Date?] Weed Pocket Guide. Queensland Dept. of Natural Resources.
Pocket-sized card-set on swivel-pin. Good photos, very brief descriptions, plus notes on status.

Auld BA & Medd RW (1992) Weeds: an illustrated botanical guide to the weeds of Australia. Rev. edn. Inkata Press, Melbourne. 255 pp. ISBN 0909605378.

Colour plates and short descriptions/notes. Many species are covered.

Barker RM & Barker WR (2004) Blackberry: an identification tool to introduced and native *Rubus* in Australia. Edition 1.00. State Herbarium of South Australia.

ELECTRONIC RESOURCE. ON-LINE: INTERACTIVE: (free access).

A pair of keys, both running on the user friendly Lucid system:

- I. Key to native and naturalised species of *Rubus*.
- II. Subkey to the *Rubus fruticosus* aggregate.

Access to the on-line versions can be problematic. If you try to find them at <http://keys.lucidcentral.org/key-server/keys.jsp> and click through the pages of keys, they do not appear. Go instead to <http://keys.lucidcentral.org/key-server/search.jsp>, then click through to the third page (as at Aug. 2015); the purple 'front cover' images for both will be evident. At this point some users find that the link 'Click here to view the home page of this key' takes you to a dead-end home page on which the *species / identification / resources* options do not work. If this is the case, return to the Lucid Key Server page showing the front-cover images, and then click on the short-version (blue) name of the key immediately above each front-cover graphic, and this will take you straight to the key itself (a 'Lucid Online Player' page). If you then click on any of the small grey 'fact-sheet' icons in the upper right pane, you will be able to access and navigate through the other sets of information (species pages and various resources).

One further caveat: since publication, one further naturalised Blackberry taxon (*Rubus niveus*, Mysore Raspberry) has been identified in both NSW and Queensland. Information on this species is available at the following sites:

- <http://plantnet.rbgsyd.nsw.gov.au/floraonline.htm> (both on species page and in the key to *Rubus* species);
- http://www.northcoastweeds.org.au/plant_forms/shrubs-scramblers/ (fact-sheet); and

- http://www.hear.org/pier/imagepages/thumbnails/rubus_niveus.htm (fact-sheet).

Thanks to co-author Robyn Barker for the above guidance.

The CD-ROM version is still advertised at http://www.flora.sa.gov.au/id_tool/rubus.html.

For other Blackberry ID resources, see also Evans *et al.* (2007) and Yeo *et al.* (2006), below.

Bega Valley Shire Council (2002) Weeds of the NSW South Coast. Bega Valley Shire Council, Bega, NSW. 50 pp. No ISBN.

Brief descriptions and notes, with fair to good colour photos, of more than 50 species of environmental weeds.

Big Scrub Rainforest Landcare Group (1998) Common weeds of northern NSW rainforest: a practical manual on their identification and control. Big Scrub Rainforest Landcare Group, Mullumbimby, NSW. 44 pp. ISBN 0958543917.

Covers 55 species, with good colour photos and brief plain-English notes; includes sections on control methods and equipment.

Blood K (2001) Environmental weeds – a field guide for SE Australia. CH Jerram & Associates, Mount Waverley Vic. 228 pp. ISBN 0957908601.

Excellent field guide to 175 species of environmental weeds, arranged by growth form. Descriptions, notes, maps, and fair to good quality colour photos. RECOMMENDED

Bruhl JJ, Telford I, & Whalley RDB (2005) Country Energy weed guide. Country Energy & NCW Beadle Herbarium, University of New England. ISBN lacking.

A booklet covering only 13 species, with good colour photos and brief descriptions and notes.

Buchanan RA (1981) Common weeds of Sydney bushland. Inkata Press, Melbourne. 127 pp. ISBN 0909605246.

Brief easy descriptions, hints on control techniques, simple line drawings.

Bunn K (2004) Weeds of the Hunter & Central Coast. Lower Hunter & Central Coast Regional Environmental Management Strategy (LHCCREMS). ISBN-10: 1920859071; ISBN-13: 9781920859077.

Covers about 70 weed species, arranged as aquatic, riparian zone, and weeds of roads and grazing lands. [NOT SEEN]

Chinnock RJ (2015) Feral opuntoid cacti in Australia. Part I. Cylindrical-stemmed genera: *Austrocylindropuntia*, *Cylindropuntia* and *Corynopuntia*. Journal of the Adelaide Botanic Gardens Supplement 3. 69 pp. [ISBN/ISSN pending.] See http://www.environment.sa.gov.au/Science/Science_research/State_Herbarium/Resources/Publications/Books/Feral_opuntoid_cacti_of_Australia_Part_1 for order form.

First part of a review of this group of weedy cacti in Australia. This volume includes a field identification section with excellent full colour illustrations; the taxonomic section has detailed descriptions and notes on every species. Introductory chapters on opuntoid morphology, how to collect and prepare pressed specimens, dispersal and biological/chemical control, and a glossary of

terms. Part II, containing the flat stemmed genus *Opuntia* (incl. *Nopalea*) is in preparation.

Cummins J & Moerkerk M (1999) Weeds, the ute guide. Primary Industries and Resources SA, Adelaide. (AGDEX 100/640) 109 pp. ISBN 0730842290.

Ring-bound, rugged, and pocket-sized guide to 93 weed species of southern Australia. Brief descriptions and fair-quality colour photos.

Csurhes S & Edwards R (1998) Potential environmental weeds in Australia : candidate species for preventive control. Environment Australia, Biodiversity Group, Canberra. 208 pp. ISBN 0642214093.

Not an identification guide. Review of literature, criteria for selection of species, lists of species, and short descriptors.

Dhanji S (2009) Weeds of central Australia: a field guide. Greening Australia (NT) Ltd. 105 pp. ISBN 9781875345830.

Useful field guide for much of the arid zone, covering about 90 weed species with good colour photos, descriptions, and notes on dispersal, impacts and control.

Ermert S (1998) Gardener's Companion to Weeds. Lansdowne Publishing, Sydney. 240 pp. ISBN-10: 1863026436; ISBN-13: 9781863026437.

Colour photos of over 150 common weeds of cultivation (many are also environmental weeds), with management advice.

Evans KJ, Symon DE, Whalen MA, Hosking JR, Barker RM & Oliver JA (2007) Systematics of the *Rubus fruticosus* aggregate (Rosaceae) and other exotic *Rubus* taxa in Australia. *Australian Systematic Botany* 20: 187–251.

ELECTRONIC RESOURCE, ON-LINE (PDF): <http://www.publish.csiro.au/?paper=SB06044>

A thorough technical revision of the Blackberry aggregate, with keys.

For other specific Blackberry ID resources, see also Barker & Barker (2004), and (for WA) Yeo *et al.* (2006)

Felfoldi EM (1993) Identifying the weeds around you. Inkata Press, North Ryde, NSW. 303 pp. ISBN 0409307491.

Guide to many common weeds of Victoria, especially in Asteraceae, Brassicaceae, Poaceae, Fabaceae and Polygonaceae. Little information on ecology and distribution. Emphasis is on identification of farm and pastoral weeds using fruit or seed characters. Good non-technical descriptions, fair quality line drawings; notes on weed significance, poison properties, control measures.

Friends of Sherbrooke Forest (1989) Weeds of forests, roadsides and gardens. Rev. edn. Friends of Sherbrooke Forest & Department of Conservation Forests and Lands, Belgrave, Vic. 82 pp. ISBN 0724147535.

Useful local guide with a colour photograph of each species treated.

Gold Coast City Council [undated] Environmental weeds of the Gold Coast. Gold Coast City Council. 48 pp. ISBN lacking.

Useful guide to identification and management for more than 60 species, with brief descriptions and good small colour photos.

Goulburn Broken Catchment Management Authority (2008) Weeds of the Goulburn Broken – a field guide to terrestrial and aquatic weeds. 3rd ed. Goulburn Broken Catchment Management Authority, Vic. 95 pp. ISBN lacking.

Sturdy spiral-bound, long-pocket format, covering more than 80 agricultural and environmental weeds for this region of north-central Victoria, with plain-language descriptions and variable-quality colour photos.

Grains Research & Development Corporation (undated, ongoing) Weeds Ute Guide. Grains Research & Development Corporation, Canberra.

ELECTRONIC, INTERACTIVE: Web-delivered and free App versions:

<http://www.grdc.com.au/Resources/Ute-Guides> (Android app on Google play and iPhone/iPad apps on App Store are linked from the above website).

Covers over 220 of the most common annual, biennial, and perennial pastoral weeds in the southern regions of Australia. The species profiles provide basic facts, flowering periods, and very brief plain-English descriptions, plus colour photos of variable quality. Some search filters are available, but no keys as such. With the app version you can take a photo of a weed and send it direct to an expert for identification.

Grantley J, McPherson F, Petroeschevsky A (2009) Recognising water weeds – plant identification guide. Industry and Investment NSW. 80 pp. ISBN lacking.

ELECTRONIC RESOURCE, ON-LINE (PDF):

http://www.dpi.nsw.gov.au/_data/assets/pdf_file/0007/329308/041209-DPI-RWW-PLANT-GUIDE.pdf

Plain-English descriptions, line drawings and excellent colour photos of 34 common or serious freshwater aquatic weeds.

Groves RH, Shepherd RCH, & Richardson RG (eds.) (1995) The biology of Australian weeds. Volume 1. R.G. & F.J. Richardson, Melbourne. ISBN-10: 0646259563; ISBN-13: 9780646259567.

Not primarily an identification guide, but this and sister volumes contain detailed accounts of sixteen prominent environmental weed species, with line drawings, full descriptions, distribution, history, ecological and reproductive information, control and management advice, and good but now dated bibliographies.

Companion volumes (ISBN set: 0624625923). are:

- **Panetta FD, Groves RH & Shepherd RCH (eds) (1998) The biology of Australian weeds. Volume 2.** R.G. and F.J. Richardson, Melbourne. 327 pp. ISBN-10: 0958743908; ISBN-13: 9780958743907.

Covers a further set of seventeen serious weed species.

- **Panetta FD (ed.) (2009) The biology of Australian weeds. Volume 3.** R.G. and F.J. Richardson, Melbourne. 326 pp. ISBN-13 9780980388510.

Covers a further set of sixteen serious weed species.

Heavey J & MacDonald S (2013) Weeds of the Sunshine Coast. Noosa Integrated Catchment Management Association, Tewantin, Qld. 292 pp. ISBN 9780646906874.

A rough-and-ready field guide with 242 scanned images of pressed specimens of weed species, including herbs, grasses, woody plants, trees and shrubs, climbers, aquatics and sedges; with control notes. [NOT SEEN]

Hosking J, Sainty G, & Jacobs S (2006) Alps invaders: weeds of the Australian high country. Australian Alps Liaison Committee. 94 pp. ISBN 0958105537.

Compact, sturdy spiral-bound field guide to 90 weed species, arranged by growth form, with good colour photos and brief notes.

Hussey BMJ, Keighery GJ, Cousens RD, Dodd J, & Lloyd, SG (1997) Western weeds : a guide to the weeds of Western Australia. Plant Protection Society of Western Australia, Victoria Park, WA. 254 pp. ISBN 0646324403.

Describes about 800 species of agricultural, environmental and common garden weeds, with 600 illustrated in colour. A good, near-comprehensive guide for the region. RECOMMENDED

Hyde-Wyatt B & Morris DI (2011) Tasmanian weed handbook: a guide to the identification of the main weeds of crops and pastures in Tasmania. Department of Agriculture, Tasmania. 149 pp. ISBN 0724663576.

Over 150 species are covered, with detailed descriptions and good line drawings (including seedlings, a rare and welcome feature). Also features a key to seedlings for nearly all these species. RECOMMENDED.

Kleinschmidt HE, Holland A, & Simpson P (1996) Suburban weeds. 3rd edn. Qld Dept of Primary Industries, Brisbane. 97 pp. ISBN 0724266690.

Short plain-English descriptions and fair-quality line drawings of about 150 species of garden and environmental weeds common in suburban areas of Queensland.

Kleinschmidt HE & Johnson RW (1987) Weeds of Queensland. Queensland Department of Primary Industries, Brisbane. (*Agdex 642*) 469 pp. ISBN 0724221956.

Contains an easy key, based on life forms, to groups of weeds, then plain-English descriptions and notes, and variable-quality black and white photographs. Now very dated, particularly the chapters on legislation and weed control.

Lamp C & Collet F (1989) Field guide to weeds in Australia. 3rd edn. Inkata Press, Melbourne. 332 pp. ISBN 090960553X.

Somewhat dated but still a useful introductory identification manual.

Lazarides M, Cowley K Hohnen P (1997) CSIRO handbook of Australian weeds. CSIRO, Collingwood, Vic. 264 pp. ISBN 0643059814.

Essentially a census, not an identification guide: lists over 2750 taxa that are agricultural or environmental weeds, or likely to become so. Scientific and common names, life-form, uses, generalised distributions, and references.

Loughran A (2006) Native plant or weed: pick the difference. [Vol. 1]. NSW Dept of Primary Industries. 68 pp. ISBN 0731305981.

Spiral bound, produced for the TAFE 'recognise plants' teaching unit. Large format pictures comparing major environmental weed species of eastern NSW with similar native species, plus brief descriptive info on each. Most useful for bush regenerators.

Loughran A (2007) Native plant or weed: pick the difference. Vol. 2. NSW Dept of Primary Industries. 72 pp. ISBN 9780731306074..

Spiral bound, produced for the TAFE 'recognise plants' teaching unit. Large format pictures comparing major environmental weed species of eastern NSW with similar native species, plus brief descriptive info on each. Most useful for bush regenerators.

McLoughlin L & Rawling J (2003) Making your garden bush friendly. Expanded 3rd edition. McLoughlin-Rawling Publications, Castle Hill, NSW. 32 pp. ISBN 0957863802.

A booklet covering common environmental weeds of the Sydney suburbs, of which 49 are illustrated by colour photos, with notes on identification and eradication methods.

Miles J, Campbell M, Craig A & Crocker J (2007) Weeds of the Riverina: a guide to identification and control. Eastern and Western Riverina Noxious Weeds Advisory Groups. 56 pp. ISBN lacking.

Useful pocket-sized field guide to about 70 common environmental and pastoral weed species of the Riverina region of NSW. Now superseded by Mitsch & Bosse (2012).

Miles J (2009) Weeds of the NSW South Coast: a guide to identification and control. Second edition. Bega Valley Shire Council. 49 pp. ISBN lacking.

Useful pocket-sized field guide to common weed species of the region.

Miles J [undated] Weeds of the Monaro - a guide to identification and control. Monaro Regional Weeds Committee. 54 pp. ISBN lacking. For free PDF download, Google the title.

Pocket-sized field guide to about 60 common pastoral and environmental weeds of the region. Profiles with good colour photos, plus information on control and vehicle hygiene.

Mitsch L & Bosse P (2012) Weeds of the Riverina – identification and control guide. Eastern and Western Riverina Noxious Weeds Advisory Groups. 72 pp. ISBN lacking.

ELECTRONIC RESOURCE, ON-LINE – free PDF (very large file: 75MB):

<http://murray.ils.nsw.gov.au/resource-hub/publications/weeds-of-the-riverina-identification-and-control-guide>

Field guide to about 75 common environmental and pastoral weed species of the Riverina region of NSW. Supersedes Miles et al. (2007).

Moerkerk MR & Barnett AG (1998) More crop weeds. RJ & FJ Richardson, Melbourne. 124 pp. ISBN 0958743924.

Good colour photos and line drawings, including seeds, with brief text. Companion volume to Wilding et al (1986). The two volumes together cover 207 species.

Moerkerk M, Wurst M, Yeatman T (2007) Weeds: the ute guide, southern edition version 2. 249 pp. ISBN 0759013462. Primary Industries and Resources South Australia.

Identification guide for the most common annual, biennial and perennial pasture weeds in southern Australia. Includes seedling descriptions and photos. Tough laminated and spiral-bound format.

This edition supersedes a somewhat confusing array of earlier editions, including

- *Grains Research & Development Corporation (2000) Weeds : The Ute Guide (Northern Grain Belt Edition)*;
- *Grains Research & Development Corporation [date?] Ute Guide: Summer weeds – southern edition*, versions 1 and 2.

Now largely superseded in turn by the online and app-delivered *Grains Research & Development Corporation (undated, ongoing) Weeds Ute Guide* – see separate entry.

Monument Hill Parklands Association Inc. [2001?] Bush invaders – identification and control of environmental weeds of Albury-Wodonga and surrounds. Albury Wodonga Regional Parklands Inc. 94 pp. ISBN 0646400681.

Covers almost 50 species, with very basic but clear text, and fair-quality colour photos supplemented by colour photocopies of specimens, and brief guidelines on management.

Mornington Peninsula Shire [Council] [2002?] Weeds of the Mornington Peninsula. Mornington Peninsula Shire [Council]. No ISBN.

A fold-out brochure with photos and brief notes on 65 environmental weeds.

Morphett B (2012) Garden weeds. Revised edition. Government of South Australia / Botanic Gardens of Adelaide. 159 pp. ISBN 9780980702149.

Covers 139 species of garden weeds (some also environmental weeds), with keys to the broad-leaved and 'grass-leaved' species. Plain-English descriptions, good line drawings, somewhat less good colour photos, and notes and separate chapters on prevention and control.

Muyt A (2001) Bush invaders of south-east Australia. R.G and F.J. Richardson, Meredith, Vic. 304 pp. ISBN 0958743975.

Good guide to environmental weeds of south-east Australia. 93 entries covering about 150 species; fair quality colour photos, diagnostic descriptions, and notes on impacts and control.

Navie S & Adkins S [undated, 2008?] Environmental weeds of Australia. Centre for Biological Information Technology, The University of Queensland. ISBN 9781864998986.

ELECTRONIC, INTERACTIVE, CD-ROM.

An interactive key to over 1,000 major environmental weeds of Australia, running on the user-friendly Lucid3 system. Detailed descriptions, cross linked glossary, thousands of images.

SUPERSEDED by the App version, under same title but different authorship – see LucidMobile

(2013?).

Navie S & Adkins S [LucidMobile] [2013?] Environmental weeds of Australia.

LucidMobile. **ELECTRONIC, INTERACTIVE, downloadable app.**

Android: <https://play.google.com/store/apps/developer?id=LucidMobile>

iPhone: <https://itunes.apple.com/au/app/environmental-weeds-australia/id898685476?mt=8>

An interactive key to over 1,000 major environmental weeds of Australia, running on the user-friendly Lucid3 system. Detailed descriptions, cross linked glossary, and about 10,000 images.

This is an updated version of Navie & Adkins (2008), *q.v.* NOT FULLY EVALUATED

Navie S (2008) Suburban and environmental weeds of south-east Queensland. Version 2.

Centre for Biological Information Technology (CBIT), University of Queensland, Brisbane.

ELECTRONIC RESOURCE: CD-ROM and App: CD-ROM (ISBN 9781804999389) and DVD (both discontinued?); Android App from LucidMobile:

<https://play.google.com/store/apps/developer?id=LucidMobile>

An interactive key and information system covering over 600 species of environmental weeds. Species fact-sheets, web-links to management information, glossary, and >10,000 colour photos.

This stand-alone product has also been incorporated into the national-scope *Weeds of Australia Identification Tool, Biosecurity Queensland edition*, playable on-line at

<https://www.business.qld.gov.au/industry/agriculture/land-management/health-pests-weeds-diseases/weeds-and-diseases/weed-identification-tool>.

NSW Department of Primary Industries (2018) Pasture weeds of coastal NSW. NSW

Department of Primary Industries, Tocal College, NSW

(<https://www.tocal.nsw.edu.au/publications>). 204 pp.

Covers the commoner weedy pasture species of grasses, sedges, rushes, legumes, daisies, and a few orchids and ferns. Organised by flower colour; good colour images, brief plain-English text.

Nursery & Garden Industry NSW & ACT [2002?] Grow me instead. Nursery & Garden

Industry NSW & ACT. 48 pp. [No ISBN].

Brochure illustrating 19 environmentally weedy species commonly grown in home gardens, with illustrations and notes, and bush-friendly alternative species.

Panetta FD *et al.* (eds) (1998) The biology of Australian weeds, vol. 2: see under Groves *et al.* (1995) above.

Panetta FD (ed.) (2009) The biology of Australian weeds, vol. 3: see under Groves *et al.* (1995) above.

Parsons WT & Cuthbertson EG (2001) Noxious weeds of Australia. 2nd edn. CSIRO, Collingwood, Vic. 697 pp. ISBN 0643065148.

Not primarily an identification guide, but a very comprehensive and authoritative reference work for the species covered (those listed as noxious at the time, and hence biased towards weeds of

agriculture). Thorough treatments of over 200 species, with description, distribution, properties, control measures, and (for most) multiple colour plates. RECOMMENDED

Richardson FJ, Richardson RG, & Shepherd RCH (2011) Weeds of the South-East: An identification guide for Australia. Second Edition. R.G. & F.J. Richardson, Meredith, Victoria. 2011. 546 pp. ISBN 9780980388534 (pbk).

The nearest there is to a comprehensive identification guide to weeds of the south-east mainland and Tasmania. Over 2500 species are covered (including a few natives, for their poisonous properties of out-of-area weed potential). A matrix key helps reduce your search strategy to a relatively small number of species. Each species has a brief diagnostic description, plus notes on habitat and distribution, with good quality colour images. RECOMMENDED

Romanowski N (1998) Aquatic and wetland plants : a field guide for non-tropical Australia. University of New South Wales Press, Sydney, NSW. 119 pp. ISBN 0868406325.

Useful field guide to families and genera, and in many cases (c. 340) down to notable species both native and naturalised. Short plain-English descriptions, and fair-quality colour photos.

Romanowski N (2011) Wetland weeds: causes, cures and compromises. CSIRO Publishing, Collingwood, Vic. 140 pp. ISBN 9780643103955 (pbk), 9780643103962 (epdf), 9780643103979 (epub).

Covers more than 130 species of native and introduced weeds, with notes on biology, origin, confusing species, environmental effects, and control and management. Variable quality colour photos for many species.

Rowlatt M (ed.) [undated, c. 2010?] Common coastal weeds of the Illawarra – a guide to management and control. Southern Rivers Catchment Management Authority. 30 pp. ISBN lacking. **ELECTRONIC RESOURCE: free PDF:** http://www.landcareillawarra.org.au/wp-content/uploads/CommonCoastalWeeds_IllawarraBooklet.pdf

ID and management guide to over 40 species; brief descriptions, small colour photos.

Sainty G [undated, progressive] WEEDeck. Sainty & Associates (PO Box 1219, Potts Point NSW, 1335; <http://www.sainty.com.au/framepg.html>).

An up-datable set of field-tough laminated cards mounted on a ring, with good diagnostic colour photos on one side, and on the other brief descriptive notes and references. A complete deck of cards covers over 300 species; sub-sets are available for different parts of the country.

Schmid M & Smith N (2012) Common urban weeds of North Australia. Gecko Books, South Australia. 977 pp. ISBN 9780980852547.

Useful pocket-sized field guide for the region north of a line Townsville to Broome, with fair quality colour photos and brief descriptions.

Shepherd RCH, Richardson RG, & Richardson FJ (2001) Plants of importance to Australia: a checklist. R.G. & F.J. Richardson, Meredith, Vic. 358 pp. ISBN 0958743959.

Not an identification booklet, but a useful listing of crop and forestry species, weeds, horticultural

species and others, listed by preferred scientific name and then by common name.

Smith NM (1995) Weeds of natural ecosystems : a field guide to environmental weeds of the Northern Territory. Environment Centre N.T. Inc., Darwin. 70 pp. ISBN 072452908X.

Good colour photos and line drawings; brief descriptions; notes on distribution, dispersal, and status; references. Somewhat superseded by Smith (2002), at least for the Top End.

Smith NM (2002) Weeds of the wet/dry tropics of Australia : a field guide. Revised edition.

Environment Centre, Darwin, NT. 112 pp. ISBN 0958070008.

Brief descriptions of 82 species, with line drawings, colour photos, and notes. Now somewhat superseded by Smith (2011).

Smith N (2011) Weeds of Northern Australia: a field guide. Environment Centre NT Inc. 121 pp.

ISBN 9780646566894.

Good colour photos and brief descriptions of 150 weed species of the tropical savanna region (roughly Townsville to Broome), with very brief notes on dispersal and control.

Sharp D & Simon BK (2014) AusGrass : grasses of Australia. Revised edition. ABRS Identification Series. ABRS / CSIRO Publishing, Collingwood, Vic. Flash Drive – 2014: ISBN 9780643068612. **ELECTRONIC RESOURCE: INTERACTIVE**

An interactive identification and information system, running on the user-friendly LucID system. Covers all the known 1323 species growing in Australia, both native and naturalised. Includes descriptions, comprehensive glossary of terms, species notes, over 2600 illustrations and photos, and more than 1400 maps. Previous versions (2002 et seq.) on CD-ROM and flash-drive still remain useful. RECOMMENDED

Tanner L & Tanner M (2002-ongoing) North West Weeds: local information on local noxious weeds. North West Weeds, 20 Dinoga St, Bingara NSW 2404; northwestweeds@aapt.net.au.

ELECTRONIC RESOURCE, ON LINE: <http://www.northwestweeds.com.au/>

(accessed 24 Aug. 2015).

Basic weed identification aids (mainly images of variable quality) and management information, for a large range of weed species (including aquatics and some native ‘weeds’) for north-western NSW. [Also includes a valuable timeline history, with many images, of the Prickly Pear story in Australia from 1788 to present.]

W.A. Department of Primary Industries and Regional Development (2017-) Weeds of Western Australia Facebook group. **ELECTRONIC RESOURCE**

<https://www.facebook.com/groups/WeedsofWesternAustralia/>

A group for those interested in the naturalised flora of Western Australia; one of the aims is to provide mutual assistance in the identification of agricultural and environmental weeds and invasive plants – it is not for identifying common lawn or garden weeds, or ornamental plants.

Also much linkage re weed management and relevant events.

Weeds of the Greater Sydney Region app (2016?) **ELECTRONIC RESOURCE** Free app

covering c.100 weed species with colour images, identification notes, and management advice. Native look-alikes are also included. Google Play for Android phones and tablets <http://bit.ly/1TbtckA>; iTunes App Store for iPhones and iPads <http://apple.co/1KaMHHu>

Whittaker B (2003) Bushland weeds of Sydney and environs. The Author, Sydney (phone 0417 661 882, email bobweeds@bigpond.com). 1 CD-ROM. No ISBN.

A home-made but fairly effective CD with adequate colour photos of 180 environmental weeds linked to brief descriptions and notes with basic supplementary line drawings. No keys, but taxa are grouped by growth form, enabling a basic search strategy.

Wilding JL, Barnett AG, & Amor, RL (1986) Crop weeds. Inkata Press, Melbourne. 153 pp. ISBN 0909605386.

Covers 117 species of Victorian crop weeds, with good colour photos and line drawings and brief descriptions and notes. Includes a useful pictorial key to common grass weeds using only vegetative features. Companion volume to Moerkerk & Barnett (1998).

Wolff MA (2011) The Weed Book. New Holland. 208 pp. ISBN-10: 9781877069; ISBN-13: 9781877069932.

Guide to common home-garden weeds, with colour photos and plain-English descriptions.

Yeo P, et al. (2006) Field guide for the identification of WA blackberry

ELECTRONIC RESOURCE –ON-LINE (free PDF):

http://www.weeds.org.au/WoNS/blackberry/docs/WA_field_guide.pdf

A short (2 page) summary in stand-alone form of distinguishing features for seven feral *Rubus* taxa in Western Australia, extracted from an apparently unpublished CSIRO/DAFWA report by P. Yeo et al. (2006): 'Weedy blackberry and raspberry species in Western Australia and strategies for their management (draft version)'.

For other specific Blackberry ID resources, see also Barker & Barker (2004), and Evans *et al.* (2007).