



An Australian Government Initiative



Useful databases and websites on agroforestry and farm forestry

**A report for the RIRDC/Land & Water Australia/
FWPRDC/MDBC Joint Venture Agroforestry Program
by Jacki Schirmer**

RIRDC Publication No. 04/061

Foreword

While considerable research has been undertaken into various aspects of farm forestry and agroforestry in Australia in recent decades, this research is not always easily accessible. This can make it difficult to know what research has been undertaken, and what new research is still needed.

This publication provides a list of useful databases and online indexes of publications, Australian websites and international websites which provide research and research related information on agroforestry and farm forestry. This list, together with the Farm Forestry and Agroforestry Reference Library (FFARL) database, provides farm forestry practitioners, extension officers and researchers with a good starting point for locating information relevant to agroforestry and farm forestry, and identifying what research has been done.

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Most of our publications are available for viewing, downloading or purchasing online through our website:

- downloads at www.rirdc.gov.au/fullreports/Index.htm
- purchases at www.rirdc.gov.au/eshop

Simon Hearn

Managing Director

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Introduction

This information has been produced from the *Farm Forestry and Agroforestry Reference Library* project (RIRDC Publication No. 04/063), which was initiated to address some of the concerns regarding lack of familiarity with results from farm forestry and agroforestry research.

The *Farm Forestry and Agroforestry Reference Library* (FFARL) project had two main objectives.

The first was to produce a database giving access to citations for a wide range of research and related information on agroforestry and farm forestry in Australia.

The second objective was to produce a report reviewing agroforestry and farm forestry information needs and availability, based on the outcomes of searching for citations for inclusion in database, and on a small survey of agroforestry and farm forestry professionals. In addition, the project has produced this guide to useful databases and websites on agroforestry and farm forestry.

The *Farm Forestry and Agroforestry Reference Library* database (RIRDC CD Number: CD04/001) does not reference the full range of research and related information relevant to agroforestry and farm forestry practitioners, extension officers and researchers, because there are other databases and websites which provide a range of useful information.

Useful websites and databases available online are listed in this brochure, with a brief description of their content and use.

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www.rirdc.gov.au/eshop

Databases and online publications

There are a range of commercial (searchable for a fee) and non-commercial (freely searchable by anyone) databases which reference research relevant to agroforestry and farm forestry in Australia and overseas. There are also some websites where a number of research papers on agroforestry and farm forestry are available to download.

Agroforestry Systems

<http://www.kluweronline.com/issn/0167-4366/contents>

This is the primary international journal of agroforestry research. Subscriptions and articles are available to purchase online.

CABI Agroforestry Abstracts

<http://www.cabi-publishing.org/journals/Abstract/AFA/Index.asp>

This is an online subscription service. Agroforestry Abstracts is a database of agroforestry papers – including journals, conference papers, reports and books – published internationally. It includes citations for Australian publications, and includes abstracts. The database has 13 years of citations and adds around 1500 citations annually. The subscription rates can be found on the website – an annual subscription must be taken out to use the database, or it can be accessed in libraries that subscribe to it. It is possible to have a free trial use of the database before subscribing.

CSIRO

<http://www.csiro.au/index.asp?type=mediaIndex&stylesheet=mediaListsAndInformation>

The website above contains a list of links to the publications of different divisions of CSIRO. Of particular relevance to agroforestry are publications by the Australian Tree Seed Centre, Forestry & Forest Products, Land & Water, and Sustainable Ecosystems. Note that CSIRO journals can also be accessed online (see below) with a pay-for-view service.

<http://www.publish.csiro.au/books/>

This website has a catalogue of CSIRO publications which can be purchased online.

CSIRO Forestry and Forest Products

<http://reprints.ffp.csiro.au/>

This online database allows a search of CSIRO Forestry and Forest Products publications. The search provides citations for publications, and sometimes an abstract of the publication.

CSIRO Journals

<http://www.publish.csiro.au/journals/>

From this website you can access CSIRO journals with articles about agroforestry. The site provides subscription and pay-for-view services. Journals published by CSIRO with particular relevance to aspects of agroforestry include *Australian Plant Pathology*, *Australian Journal of Agricultural Research*, *Australian Journal of Botany*, *Australian Journal of Experimental Agriculture*, *Australian Journal of Soil Research* and *Wildlife Research*.

Elsevier Publishing

<http://www.elsevier.com>

Elsevier publish several journals and many other publications with relevance to agroforestry. Journals of particular relevance include *Agricultural Water Management*, *Forest Ecology and Management*, and *Agricultural Systems*. All Elsevier publications can be searched for from the central website and most can be ordered online. There are subscription and pay-for-view services for journals.

Infoscane databases

<http://www.infoscane.com.au/>

This is one of the best online resources for finding citations of agroforestry, farm forestry, forestry and agricultural management research in Australia. You can search several databases online, and can also browse the database by topic – agroforestry is one of the topics that can be browsed. A considerable amount of research is cited in the databases with detailed descriptions of the citations given. You can do a 'Power Search' that searches all the Infoscane databases, or search any of the following databases separately:

- *ABOA*: Contains citations for published information on Australian agriculture, including abstracts for many of the citations
- *ARRIP*: Contains citations for current research projects being undertaken on Australian agriculture and natural resources, including detailed descriptions of project goals, methods and progress
- *ARRIP Archive*: Contains citations for completed research projects on Australian agriculture and natural resources, including detailed descriptions of project goals, methods and progress
- *Streamline*: Contains citations for published information on Australia's natural resources, including abstracts for many of the citations
- *Geosearch*: Allows the user to search for information related to a particular agro-ecological region or drainage division of Australia by clicking on a map interface
- *NamesNet*: Allows users to search for contact details of researchers by name, organisation, or State/Country. It is then possible to link to details of research projects listed in ARRIP and ARRIP Archive by that researcher.

Joint Venture Agroforestry Program

<http://www.rirdc.gov.au/programs/aft.html>

This is the homepage of the Joint Venture Agroforestry Program of the Rural Industries Research and Development Corporation. Many research reports on agroforestry and farm forestry in Australia can be downloaded free from this site; others can be ordered online.

National Library of Australia

<http://pandora.nla.gov.au>

The Pandora archive of the National Library provides online resources. A search for the terms 'agroforestry' and 'farm forestry', or related terms, will provide a range of papers filed in the archive, many of which can be accessed online. The amount of information about the papers accessible varies.

The Regional Institute

<http://www.regional.org.au>

The Regional Institute is an independent, non-profit on-line publisher of educational and research information, with over 3,000 full-text documents by authors from over 50 countries available online through the site. Searching for 'farm forestry' or 'agroforestry' on this site produces a number of online documents on various aspects of management, economic, species and policy, amongst other topics.

Silviculture bibliography

<http://www.rirdc.gov.au/reports/AFT/01-101.pdf>

This is an annotated bibliography of over 625 citations related to hardwood plantation and farm forestry silvicultural research in Australia. The full bibliography is available at the site above as a PDF file. The full reference for the bibliography is Lott, R. (2001) *A Bibliography of Plantation Hardwood and Farm Forestry Silviculture Research trials in Australia*. A report for the RIRDC/Land & Water/FWPRDC Joint Venture Agroforestry Program. RIRDC Publication No. 01/101.

World Agroforestry Centre

<http://www.worldagroforestrycentre.org/level1a.htm>

This website provides access to a wide range of resources on agroforestry and farm forestry, including databases. The following databases can be accessed from the site:

- *The Agroforestry Database*: Provides information on the management, use and ecology of a large number of tree species that can be used in agroforestry systems
- *The Tree Seed Suppliers Directory*: Provides a list of suppliers of seed and microsymbiont for nearly 6000 tree species, including 26 Australian suppliers.
- *The Botanical Nomenclature Database*: Provides information on taxonomy of trees including synonyms and common names.

Australian Websites

The list of websites given below is not comprehensive. It contains many sites which have information on farm forestry and agroforestry in Australia. Many of the sites listed have developed very good 'links' pages which will guide users to other useful sites on agroforestry and farm forestry which may not be listed here.

The sites listed here are all either:

- Education;
- Government;
- Grower organisations; or
- Research related.

The websites of commercial plantation growers have not generally been included, although some which include online resources on agroforestry and farm forestry, or provide both commercial growing options and extension and management services have been listed.

Websites are listed in alphabetical order below. A good starting point is to go to Farm Forest Line, at www.farmforestline.com.au, which has links to a broad range of information on agroforestry and farm forestry.

Agriculture, Fisheries and Forestry – Australia (DAFF) and Bureau of Rural Sciences (BRS)

<http://www.daff.gov.au>

The Commonwealth Department of Agriculture, Fisheries and Forestry (DAFF) website has links to a range of information on forestry and

farm forestry, including policy, general information, and links to other websites. This website includes information on the work of the Bureau of Rural Science, which conducts research on agroforestry and farm forestry through various of its research programs – for example, the Bioenergy Atlas of Australia is linked into this website (http://www.brs.gov.au/bioenergy_atlas).

Information on agroforestry and farm forestry research undertaken by BRS is best found by typing search terms into the DAFF website search engine as the website overall can be difficult to navigate.

Agriculture WA

<http://www.agric.wa.gov.au>

The AgWA site contains the *Treenote* information sheet series¹. These information sheets cover a range of practical management aspects of agroforestry and farm forestry, focussed on management of agroforestry and farm forestry for Western Australia. Other resources are also available on the site.

¹ The term 'information sheet' refers to provision of a brief document providing a guide to or information on a particular aspect of agroforestry/farm forestry.

ANU Forestry – School of Resources, Environment and Society of the Australian National University

<http://sres.anu.edu.au> - General entry to the site including information on researchers, education and publications

http://sres.anu.edu.au/programs/forestry/distance_ed - For information on the ANU-CSU Joint Graduate Programme in Farm Forestry

<http://sres.anu.edu.au/associated/marketreport> - Contains the ANU Forest Market Report project, with access to all the reports and associated materials. The ANU Forest Market Report is also available from RIRDC as Short Report No 65 (which includes Reports 1 to 8) and Short Report No 111 (which includes Reports 9 to 16).

Australian Forest Growers

<http://www.afg.asn.au>

Australian Forest Growers (AFG) are a national advocacy and representative group for private forest growers. The website provides information on membership, subscription to the magazine *Australian Forest Grower* which contains a wide range of information on management, species, policy and other aspects of agroforestry and farm forestry. Some publications and government submissions are also available on the site.

Australian Greenhouse Office

<http://www.greenhouse.gov.au>

This site includes information and guidance for private forest growers on the potential for growing trees as greenhouse sinks and various carbon-sequestration and carbon management issues.

Australian New Crops Newsletter

<http://www.newcrops.uq.edu.au>

Newsletter on new crops including agroforestry and farm forestry.

Central Victorian Farm Plantations

<http://www.cvfp.org.au/>

The website of the Central Victorian Regional Plantation Committee.

Charles Sturt University

<http://www.csu.edu.au/faculty/sciagr/esu/study/forest.htm>

This page has information on Charles Sturt University's Graduate Certificate in farm forestry.

Cooperative Research Centre for Greenhouse Accounting

<http://www.greenhouse.crc.org.au>

Includes links to research and researchers examining greenhouse and carbon-related issues relevant to farm forestry, agroforestry and revegetation.

Cooperative Research Centre for Sustainable Production Forestry

<http://www.forestry.crc.org.au>

The CRC conducts a range of research on agroforestry and farm forestry. Information about the types of research being conducted, contact details of researchers, and publications are available on the website.

Cooperative Research Centre for Tropical Rainforest Ecology and Management

<http://www.rainforest-crc.jcu.edu.au>

Research undertaken at the CRC includes research on growing and managing rainforest species for commercial wood production.

CSIRO

<http://www.csiro.au> - CSIRO main website

<http://www.ffp.csiro.au> - CSIRO Forestry and Forest Products

<http://www.ffp.csiro.au/tigr/atscmain> - Australian Tree Seed Centre

<http://www.det.csiro.au/science/energyresources/biomass.htm> - Biofuel database

Note: There are several other relevant research programs undertaking research in agroforestry and farm forestry.

CSIRO has many research programs of relevance to agroforestry and farm forestry, and these can be navigated to from the main website, or by going directly to the homepage for different programs.

Department of Sustainability and Environment (Victoria)

<http://www.dse.vic.gov.au> (Go to 'Forestry' and then 'Private Forestry')

Contains a number of useful pages giving information for private foresters in Victoria, including contact details of other organisations, information sheets (the Farm Forestry Notes series), and other publications.

Farm Forest Line

<http://www.farmforestline.com.au>

Farm Forest Line provides an entry point to a wide range of information on farm forestry and agroforestry in Australia. The website has both information, links and contact details for obtaining further information

on a range of areas. Farm Forest Line has weblinks to many farm forestry organisations, making it a good central point to start looking for information on agroforestry and farm forestry in Australia. The FFARL database will be available for download from this website.

Farmwood Tasmania

<http://www.farmwood.com.au>

Farmwood represents farm forestry and private forestry grower co-operatives and similar organisations throughout Australia.

Forest Farmers Association of Queensland Inc.

<http://www.forestfarmers.com.au>

An organisation for private foresters in Queensland providing information and services for private forest growers.

Forest Products Commission

<http://www.fpc.wa.gov.au>

The Forest Products Commission (FPC) is the government enterprise responsible for managing commercial forest operations in publicly owned forests and plantations in WA. The site includes a history of plantation and sharefarming development in WA, and discusses various farm forestry and agroforestry options (without giving specific management advice).

Forest Science Centre (VIC)

<http://www.forestsciencecentre.vic.gov.au>

Provides information and links for a wide range of forestry research, including agroforestry and farm forestry topics.

Forest and Wood Products Research and Development Corporation

<http://www.fwprdc.org.au>

Contains information on research projects undertaken on various forestry topics, including research publications available online.

Forestry in Queensland

<http://www.forests.qld.gov.au>

This site includes information and management advice on agroforestry and farm forestry in Queensland and links to other useful sites in Queensland. It is a good portal for finding information on forestry in Queensland, particularly government information. Includes a downloadable directory of farm forestry in Queensland.

ForestrySA

<http://www.forestry.sa.gov.au>

The ForestrySA website includes information on farm forestry in South Australia.

Gippsland Farm Plantations

<http://www.gippslandfarmplantations.com.au>

This is the website of the Regional Plantation Committee for Gippsland and contains a range of information on agroforestry and farm forestry in the region, links to other websites, and contact details.

Greater Green Triangle Regional Plantation Committee

<http://www.gtplantations.org>

Website of the Greater Green Triangle Regional Plantation Committee of south-western Victoria and south-eastern South Australia. Includes links to online farm forestry directory for services and information.

Green Skills

<http://www.greenskills.green.net.au>

Provides information on training in Green Skills, including revegetation skills, in Western Australia.

Greening Australia

<http://www.greeningaustralia.org.au> - National website which includes links to the State and Territory websites.

Website provides a wide range of information and materials including Greening Australia activities and projects, and online guides to various aspects of revegetation and tree planting. Includes contact details for State and regional offices, and online publications.

Hardwoods Queensland

<http://www.dpi.qld.gov.au/hardwoodsqli>

This site includes research results and related information from the Hardwoods Queensland project which conducts and communicates research on high value plantation hardwoods suitable for rotations of 25 years or less.

Institute of Foresters of Australia

<http://www.ifa.unimelb.edu.au>

The IFA is a member organisation for professional foresters in Australia.

Joint Venture Agroforestry Program (JVAP) of the Rural Industries Research and Development Corporation

<http://www.rirdc.gov.au/programs/aft.html>

Home page of the Joint Venture Agroforestry Program giving access to a large number of research reports on agroforestry and farm forestry in Australia. The FFARL database is available for download from this website.

Master TreeGrower Program

<http://www.mtg.unimelb.edu.au>

The Master TreeGrower program is a training and development program run throughout Australia for agroforesters and farm foresters. The website gives information on extension, education, research, training and more, including information on taking part in the Master TreeGrower program.

Natural Heritage Trust (NHT)

<http://www.nht.gov.au>

The website of the Natural Heritage Trust contains information on farm forestry projects funded under the NHT.

New Horizons – South East Primary Industries, Australia

<http://www.newhorizons.org.au/forestry>

Includes some online resources for farm forestry with downloadable documents. Expected to be expanded in the future.

Northern Rivers Regional Plantation Committee

<http://www.privateforestry.org.au>

Website of the Northern Rivers Regional Plantation Committee. This website has information on agroforestry and farm forestry in northern New South Wales, plus links to other useful websites around Australia.

NSW Agriculture

<http://www.agric.nsw.gov.au/reader/11328>

This page of the NSW Agriculture website contains information on farm forestry in NSW.

Office of Private Forestry (NSW)

<http://www.opf.nsw.gov.au>

The Office of Private Forestry provides advice and information on agroforestry and farm forestry in NSW. A range of information is provided on the website.

Oil Mallee Association of Australia Inc.

<http://www.oilmallee.com.au>

Provides information on the developing oil mallee industry including grower organisations, processing and a range of other aspects.

Private Forests Tasmania

<http://www.privateforests.tas.gov.au>

Private Forests Tasmania provides extension and management advice on farm forestry. It has produced decision support tools for farm foresters, in particular the *Farm Forestry Toolbox*. A range of information sheets are provided on the website, as well as a newsletter, links and other information.

Private Forestry North Queensland (PFNQ)

<http://www.pfnq.com.au/>

Website provides information for private forest growers in north Queensland.

Private Forestry Southern Queensland (PFSQ)

<http://www.pfsq.org>

Website provides information for private forest growers in southern Queensland.

Southern Cross University

<http://www.scu.edu.au/schools/rsm/courses/forestry>

Provides information on forestry education at Southern Cross University.

Southern Tablelands Farm Forestry Network (STFFN)

<http://www.stffn.org.au>

Website of the Regional Plantation Committee for the Southern Tablelands of New South Wales

State Forests of New South Wales

<http://www.forest.nsw.gov.au>

State Forests of New South Wales (SFNSW) is the government agency responsible for managing publicly owned forests and plantations in NSW. It also provides joint venture and lease plantation options for private landowners. The website has some information on agroforestry and farm forestry.

Subtropical Farm Forestry Association

<http://www3.turboweb.net.au/~sffa/>

The Subtropical Farm Forestry Association is an association for agroforesters and farm foresters in the subtropics providing a range of information and services.

Timber 2020

<http://www.timber2002.com.au>

The website of the Regional Plantation Committee for the Great Southern region of Western Australia, Timber 2020 (previously called Timber 2002). Has information on farm forestry and agroforestry in the region, as well as links to State and national information.

University of Melbourne

<http://www.landfood.unimelb.edu.au>

Provides information about forestry education and research, including agroforestry and farm forestry training and research, at the University of Melbourne.

University of Queensland

<http://www.uq.edu.au/>

Searching for the term 'agroforestry' on the search engine for this site results in information on agroforestry education at the University of Queensland.

Western Timber Cooperative

<http://www.wn.com.au/westim>

The Western Timber Cooperative is a private forest growers cooperative operating in Western Australia. A range of information for members is provided for forest growers on the site.

Wimmera Farm Forestry

<http://www.farmforestry.wimmera.com.au>

Website of the Wimmera Agroforestry Network. Has information on farm forestry in the Wimmera and current projects being undertaken on farm forestry in the region.

International websites

Some key international websites are given below. The list is not comprehensive, but the sites listed have links to a far wider range of international agroforestry and farm forestry sites, and so are useful start points for looking for information.

agroforestry.net and agroforester.com

<http://www.agroforestry.net/> and <http://www.agroforester.com/>

These two sites provide online information and resources for tropical agroforestry and forestry, including a range of publications, online information, and links to other sites. You can subscribe to a free email newsletter on agroforestry, *The Overstory*, and access all back issues (over 100) of the newsletter online.

Agroforestry Research Trust

<http://www.agroforestry.co.uk/>

The ART is a UK based organisation and focuses on temperate agroforestry systems. The information on the website is primarily focussed on agroforestry in the British and European context. The ART produces *Agroforestry News*, a quarterly journal (not to be confused with Australia's *Agroforestry News*, for which articles are cited in the *Farm Forestry and Agroforestry Reference Library* database), and other publications are available online.

Association for Temperate Agroforestry

<http://www.missouri.edu/~afta/>

This organisation is based in the USA and most of its resources were developed with the USA in mind. The website is not large, but does contain links to online publications. Some publications can be ordered online.

Glossary for Agroforestry

<http://www.bugwood.org/glossary/>

Useful glossary of agroforestry terms.

USDA National Agroforestry Center

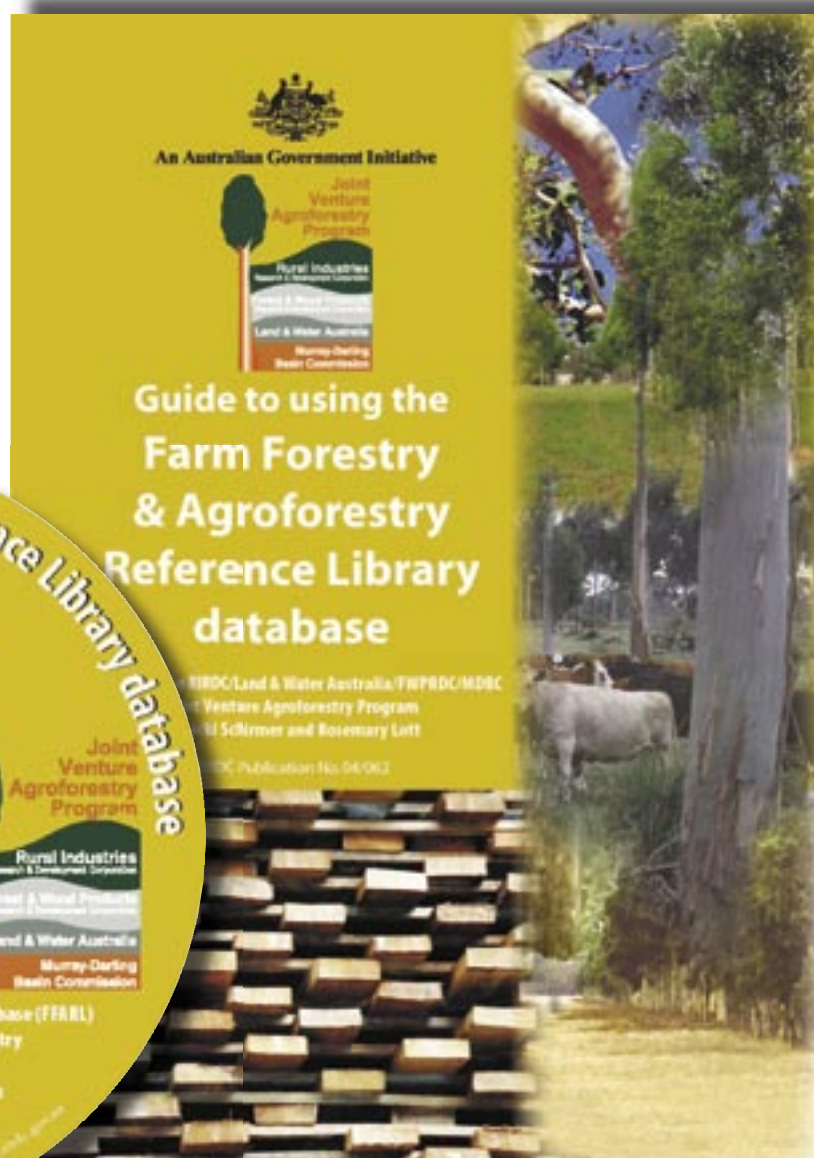
<http://www.unl.edu/nac/>

This website has a range of information on agroforestry, centred on information relevant to the United States. It contains a number of useful links to other sites. A number of publications are available for download from the site.

World Agroforestry Centre

<http://www.worldagroforestrycentre.org/level1a.htm>

This website contains a large range of information on agroforestry and farm forestry, targeted primarily at agroforestry development in developing countries. The World Agroforestry Centre was previously called the International Centre for Research in Agroforestry. The site contains considerable information on a wide range of aspects of agroforestry, links to many other sites, and access to three databases (The Agroforestree Database, The Tree Seed Suppliers Directory, and The Botanical Nomenclature Database, as listed above in the guide to useful databases).



Guide to using the Farm Forestry & Agroforestry Reference Library database

by Jackie Schirmer and Rosemary Lott

RIRDC Publication Number 04/062 and CD Number CD04/001

This publication provides a guide to using the Farm Forestry and Agroforestry Reference Library (FFARL) database which is provided on the attached CD.

The contents of the database (a brief overview), database user instructions and the keywords used in the database are outlined. The FFARL database is contained on the CD (RIRDC CD No. 04/001), and can also be downloaded from both the RIRDC website (www.rirdc.gov.au/reports/) and the Farm Forest Line website (www.farmforestline.com.au/).

The CD contains the FFARL database, the User Guide, and this list of useful databases and online indexes of publications, Australian websites and international websites which provide research and research related information on agroforestry and farm forestry (RIRDC Publication No 04/061). Together these resources provide farm forestry practitioners, extension officers and researchers with a good starting point for locating information relevant to agroforestry and farm forestry, and identifying what research has been done.

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www.rirdc.gov.au/eshop