

Writtle College Library

Subject Guide

Agriculture



This guide is intended to highlight only the main information sources for Higher Education Agriculture students – there may be other areas of the Library which are useful.

The main types of materials are books, journals and media resources. Please do not hesitate to ask for help and advice as needed when using the library

Books

Books are arranged under the Dewey class system (which runs from 000-999) each subject area has its own number for example, Animals 636

Quick Classification Guide

Agriculture (General)	630
Agricultural Ecology/Conservation	333.76
Agricultural Economics	338.1
Agricultural Law	343.076
Agricultural Waste Technology	628.746
Biology	570
Cattle	636.2
Crop Production	631.5
Crop Science	631.5
Crop Storage	631.56
Crops	633
Dairy	637
Drainage	631.62
Energy: Agriculture	631.371
Farm Animals (General)	636
Farm Buildings	631.2
Farm Business Management	630.068
Farm Machinery	631.3
Farm Management	630.68
Fertilisers	631.8
Food Safety	363.192
General Biology	574
Irrigation	631.7
Livestock/Breeding	636.082
Machinery: Safety	631.30289
Materials	620.1

Mathematics	510
Organic Farming	630.3
Pesticides	632.9
Pigs	636.4
Physics	530
Poultry	636.5
Sheep	636.3
Soil Mechanics	624.151
Soil Science	631.4
Tropical Agriculture	630.913
Water & Waste Management	628
Water: Supply	628.1

Dictionaries, directories, rules & regulations etc

- Complete A-Z of Biology Handbook
- Crop Nutrition Directory
- Encyclopedia of Farm Animal Nutrition
- Farm Management Handbook
- Farm Management Pocketbook
- Food and Farming Sourcebook
- Forages and Protein Crop Directory
- Fresh Produce Desk Book
- LEAF Farms Directory
- McGraw Hill Dictionary of Bioscience
- Organic Farm Management Handbook
- Oxford Dictionary of Biology
- RE: Fresh Directory
- The Fertiliser Directory
- The Pesticide Manual
- UK Pesticide Guide

Journals/Magazines

Journals and magazines are arranged in alphabetical order by title. They contain specialised articles and are a good source of information on current research and

practice. Some are indexed and/or have contents pages. This is not an exhaustive list and other library journals may be of use for your course as many cross over.

Key print journals/magazines

- Advances in Agronomy
- Agriculture Ecosystems & Environment
- British Dairying
- British Farmer and Grower
- Cattle Practice
- Cow Management
- Crop Production Magazine
- Crops
- Dairy Farmer
- European Journal of Agronomy
- Farm Contractor and Large Scale Farmer
- Farmers Guardian
- Farmer's Weekly
- Feed Mix
- Fresh Produce Journal
- Grass and Forage Science
- In Practice
- International Pest Control
- Journal of Agricultural Science
- Journal of Dairy Science
- Journal of Farm Management
- Journal of the Science of Food and Agriculture
- Livestock Science
- Outlook on Agriculture
- Poultry World
- Soil Use and Management

We have many more journals accessible in print and online in the library and via the library page on Moodle.

Free online e-journals

African Journal of Agricultural Research	http://www.academicjournals.org/ajar/
Agriculture Bioforum	http://aqbioforum.org
Agronomy Research	http://www.eau.ee/~agronomy/
BioMed Central	http://www.biomedcentral.com/
International Journal of Sociology of Agriculture and Food	http://www.csafe.org.nz/ijsaf/
Journal of Central European Agriculture	http://www.agr.hr/jcea/
Journal of Food Science Education	http://members.ift.org/IFT/Pubs/JFSE

Open Agricultural Journal	http://www.bentham.org/open/toasi/index.htm
Research Journal of Agriculture and Biological Sciences	http://www.insinet.net/rjabs.html
UK PubMed Central	http://ukpmc.ac.uk/
World Journal of Agricultural Sciences	http://www.idosi.org/wjas/wjas.htm

Electronic Journals

Electronic journals are available through

EBSCO Host Electronic Journals	http://ejournals.ebsco.com/home.asp
Science Direct	http://www.sciencedirect.com/

E-Books

In addition to traditional printed books we also have access to a growing number of electronic books or e-books.

Dawsonera

Dawsonera	http://www.dawsonera.com/
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Dawsonera is a collection of around 200 e-books covering a wide range of subject areas. In addition to the purchased titles which are available for 24 hour download, 66,000 further full-text titles are available for 5 minute previews. You will need your Athens username and password to access Dawsonera.

Free Online E-Books

Google Books	http://books.google.com/
International Veterinary Information Service	http://www.ivis.org/home.asp
The Internet Public Library	http://www.ipl.org/div/books/

Dissertations

The Library has copies of Undergraduate 1st and 2.1 dissertations completed at Writtle College. They are included on the Library catalogue and it is possible to limit

your search just to look for these. They are all held in the short term loan room in alphabetical order.

Electronic/Media Information

Computers are available for use at all times during library opening hours. All machines run Microsoft Office, Internet and many other applications.

The libraries online catalogue (OPAC) can be used to locate specific books and journals that are relevant to your course. A link is available from the library pages of Moodle or via the college website; you can also access it from the following direct link – <http://library.writtle.c.uk> you can find out here if items are available and where to find them on the shelves, you can also view your record to renew and reserve items.

Key DVDs

DVDs provide information on a wide range of topics. Some potentially useful ones include:

- How to Grow Fruit
- How to Grow Vegetables
- Pig Slurry Management System
- RE: Fresh
- Harvesting quality apples and pears
- Practical outdoor pig production
- The future of the English countryside
- Combine principles
- Bitter Harvest
- Drying and storage systems

For more information on other services offered by the library, e.g. photocopying, computing and I.T, please ask a member of staff in the library or refer to the information for new users guide on the library pages of Moodle.

<http://moodle.writtle.ac.uk/>

Online Resources

Databases

To find journal articles online, you may use the databases the library subscribes to. Usually the database does not lead you to the full text article but is just the reference i.e. the title, author, volume, issue, page numbers and an abstract. However, for Sport students we have a designated database with full-text access

A database service will help you to identify resources that can be found in the library and elsewhere and is a good place to start when doing assignments and dissertations.

If we do not hold the required resource it is possible for us to get it on Inter Library Loan (ILL) (please ask at the library counter or see the ILL guide on the library pages of Moodle <http://moodle.writtle.ac.uk>)

Relevant databases for Agriculture students: available under databases and gateways on the library pages of Moodle – <http://moodle.writtle.ac.uk>

- **Web of Science: Science Citation Indexes and Social Science Citation Indexes Online**

This database indexes over 4600 core science and social science journals from 1981 onwards. References contain bibliographies allowing searching for cited authors or works.

- **Business Source Premier**

Business Source Premier is a major business research database, providing the full text of more than 2,300 journals, including over 1,100 peer-reviewed business publications. The database also includes other sources of full text information such as country economic reports from the EIU, market research reports, industry reports, country reports, SWOT analyses and detailed company profiles for the world's 10,000 largest companies.

- **Mintel**

Mintel's market intelligence consists of over 400 full-text reports. Relevant ones may include reports from the automotive, drink and food and foodservice sections.

- **Land, Life & Leisure**

Land Life Leisure is a bibliographic database of land-based literature whose focus is both practical and scholarly. Subject covered include current practice and developments in temperate agriculture and all rural topics, alternative enterprises, conservation, estate management, forestry, horticulture, organic husbandry, rural planning, recreation and tourism, and environmental issues.

Articles without full text: you will probably find some useful references without full text. You can order these for a small charge using our Inter Library loan services accessible via the Library counter or the library page of Moodle.

Relevant online databases (with free information)

BioMed Central	http://www.biomedcentral.com/
Directory of Open Access Journals	http://www.doaj.org/
Google Scholar	http://scholar.google.co.uk/
Open Science Directory	http://www.opensciencedirectory.net/
UK PubMed Central	http://ukpmc.ac.uk/

British Standards

You can search for British Standards online but full text will not be available.

British Standards Online	http://www.bsi-global.com/
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We keep the most relevant standards upstairs in the library. The Chelmsford public library holds the full series and can be viewed once you have become a member.

Essex Libraries	http://www.essexcc.gov.uk/vip8/ecc/ECCWebsite/dis/cha.jsp?channelOid=15524
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Subject Gateways/Encyclopedias

Access to Global Online Research in Agriculture - AGORA	http://www.aginternetnetwork.org/en/
Agricola	http://agricola.nal.usda.gov
AgSearch	http://www.ceresgroup.com/col/agsearch/
Archives Hub	http://www.archiveshub.ac.uk/
ARS Pesticides Properties Database	http://www.ars.usda.gov/Services/docs.htm?docid=14199
BUBL Information Service	http://www.bubl.ac.uk
Database of UK Public Research on Non-food use of crops	http://aims.defra.gov.uk/default.asp
DMOZ Open Directory	http://www.dmoz.org/Science/Agriculture/
Intute	http://www.intute.ac.uk
Intute Virtual Learning Suite	http://www.vts.intute.ac.uk/
Registry of Open Access Repositories	http://roar.eprints.org/index.php
Science and Engineering Encyclopedia	http://www.diracdelta.co.uk
Soil Fertility and Plant Nutrition Portal	http://www.fao.org/ag/aql/aqll/prtplnu.stm
TechXtra	http://www.techxtra.ac.uk/
University of Exeter Centre for Rural Research	http://eric.exeter.ac.uk/exeter/handle/10036/13453

Current Awareness

There is inevitably some delay between the publication of an article in a journal and appearance in databases and printed abstracts. If you need to find details of recent articles, the following give very quick access to the contents of recent issues journals.

ZETOC - <http://zetoc.mimas.ac.uk>

The database comprises over 15 million article titles derived from the 20,000 most important research journals in the world, dating back to 1993. ZETOC Alert is a current awareness service that emails the contents pages of journals you have selected directly to you.

Science Direct Alert Service - <http://www.sciencedirect.com/science/alerts>

Offers a 'My Alerts' service which allows you to save searches and then schedule them to rerun at a chosen frequency. When new articles are found you will be sent an email alert with a direct link to the new search results. You need to register with Science Direct first. Please note this does not give you any further access to electronic journals. If you would like to access electronic journals on Science Direct please use your Athens password.

Useful websites/organisations

Associations/Organisations	
Agricultural Development in the Eastern Region	http://www.ader.org.uk
American Society of Agricultural and Biological Engineers	http://www.asabe.org/
Assured Food Standards – Red Tractor	http://www.redtractor.org.uk
Country Land and Business Association	http://www.cla.org.uk
DEFRA (formerly MAFF)	http://www.defra.gov.uk
Food and Agriculture Organisation of the UN	http://www.fao.org
National Farmers Union	http://www.nfu.org
Royal Agricultural Society of England (RASE)	http://www.rase.org.uk
Soil Association	http://www.soilassociation.org

Crops/Food	
The Crop Site	http://www.thecropsite.com/
English Farming and Food Partnership	http://www.effp.com
Food Science Central	http://www.foodsciencecentral.com
Home Grown Cereals Authority	http://www.hgca.com
The Meat Site	http://www.themeatsite.com/meatnews/vars/country/gb
National Non-food Crops Centre	http://www.nnfcc.co.uk

General	
The Bioenergy Site	http://www.thebioenergysite.com/
LANTRA - Sector Skills Council for the Environmental & Land-based Sector	http://www.lantra.co.uk
Natural England	http://www.naturalengland.org.uk
New Agriculturalist	http://www.new-agri.co.uk
Profi International	http://www.profi.com

Governmental Information	
Biomass Energy Centre	http://www.biomassenergycentre.org.uk/portal/page?_pageid=73,1&_dad=portal&_schema=PORTAL
European Commission – Agriculture and Rural Development	http://europa.eu.int/comm/agriculture/index_en.htm
European Commission – Organic Farming	http://ec.europa.eu/agriculture/organic/home_en
Food Standards Agency	http://www.food.gov.uk
National Agricultural Library (US)	http://www.nal.usda.gov
US Department of Agriculture	http://www.usda.gov/

Learning Resources	
Compendium of Online Soil Survey Information	http://www.itc.nl/personal/rossiter/research/rsrch_s_s.html
Library of Crop Technology Lesson Modules	http://croptechnology.unl.edu/index.shtml
Student guide to Engineering Resource Centres	http://www.helpengine.org
Vertical Farm Project	http://www.verticalfarm.com/

Livestock/Animals	
The Beef Site	http://www.thebeefsite.com/
The Cattle Site	http://www.thecattlesite.com/
The Dairy Site	http://www.thedairysite.com/
The Pig Site	http://www.thepigsite.com/
The Poultry Site	http://www.thepoultrysite.com/

Research / Statistics	
Engage in Research	www.engageinresearch.ac.uk
Eurostat	http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home/
UK National Statistics	http://www.statistics.gov.uk/hub/index.html

If you need any further help please contact your Subject Librarian – Christina Harbour - Christina.Harbour@writtle.ac.uk