This is a general guide to finding information on agricultural subjects including crops, soils, forages, farm management, agricultural and biosystems engineering, and sustainable agriculture (SARE).

### Page Contents
- Encyclopedias and Dictionaries (Standard and Translation)
- Reference Works - General Agriculture
- Reference Works - General Plant Science, Horticulture, Landscape Architecture
- Career Books
- Scholarships, Funding, and Grants

## Soil Science Resources

**Soils Laboratory Manual, K-State Edition** by Colby J. Moorberg, David J. Crouch
- Call Number: Online - open access
- Publication Date: 2017
- Open Educational Resource materials from OER Commons

**World Soils eBook series**
- Ebook series from Springerlink. Books are full text online. More than 20 ebooks describe soils in countries around the globe.

**Progress in Soil Science ebook series**

**Biological Approaches to Sustainable Soil Systems** by Hans Herren (Editor); Norman Uphoff (Editor)
- Call Number: S591 .B512 2006 Online
- ISBN: 9781574445831
- Publication Date: 2006-03-03

**The Chemistry of Soils, 3rd ed** by Garrison Sposito
- Call Number: S592.5 .S65 2016 Online
- ISBN: 9780190630881
- Publication Date: 2016-11-21

**An Introduction to Soil Dynamics** by Arnold Verruijt
- Call Number: TA711 .V47 2010 Online
- ISBN: 9789048134403
- Publication Date: 2009-12-09
- Theory and applications of transport in porous media ; v. 24.

**An Introduction to Soil Mechanics** by Arnold Verruijt
- Call Number: TA1-2040 Online
- ISBN: 9783319611846
- Publication Date: 2017-08-29
ENCYCLOPEDIAS:


Encyclopedia of soils in the environment / Daniel Hillel; Jerry L. Hatfield ... [et al.].

Encyclopedia of Agrophysics [electronic resource]
The Encyclopedia of Agrophysics provides about 250 informative articles and ca 400 glossary terms covering all aspects of agrophysics. The authors represent renowned specialists in various disciplines in agrophysics from a wide variety of countries. Agrophysics is important both for research and practical use not only in agriculture, but also in areas like environmental science, land reclamation, food processing etc. Agrophysics is a relatively new interdisciplinary field closely related to Agrochemistry, Agrobiology, Agroclimatology and Agroecology. Nowadays it has been fully accepted as an agricultural and environmental discipline.

DICTIONARIES:


Multilingual vocabulary of soil science, 2nd ed. [..] / Edited by G.V. Jacks, R. Tavernier and D.H. Boalch.


HANDBOOKS:

Handbook of soil science / editor-in-chief, Malcolm E. Sumner

Practical pedology : studying soils in the field / Stuart G. McRae

National soils handbook / Soil Conservation Service, United States Department of Agriculture

CAREERS:

The career chronicles: An insider's guide to what jobs are really like: The good, the bad, and the ugly from over 750 professionals / Michael Gregory.

Encyclopedias and Dictionaries

Encyclopedias

SAGE Knowledge - searches across dozens of handbooks and encyclopedias for definition and articles on a subject.


This revised and expanded volume focuses on American plants rather than on the British plants featured in the 1989 version. The "Plant Selector" section lists plants appropriate for a wide variety of environments, from plants for clay soil to deer-resistant plants to plants for windbreaks. The "Plant Catalog" organizes 4000 plants by category (trees, shrubs, perennials, climbers, etc.), then by size, season of interest, and color. A "Plant Dictionary" lists more than 8000 plants with advice on their cultivation and propagation. Along with color photographs, which make identification easy and aid in the selection of plants for an environmentally sustainable garden, little diagrams show the height, spread, and shape of each adult plant. Warning symbols indicate toxic plants. Also included are an updated USDA Plant Hardiness Zone Map (with 15 zones) and the AHS Plant Heat Zone Map. An "Index of Common Names" and a glossary round out this comprehensive guide to plant selection and identification. (B&N review)

of autotrophic, uncultivated, horticultural works, including Hortus and Hortus Garden in 1930 and 1941 respectively. Hortus Third accounts for the botanical names of 34,305 species, genera, and species, and a large but uncounted number of subspecies, varieties, forms, and cultivars. Each entry with a description includes the correct botanical name with its author or authors and, as appropriate, botanical synonyms, common names, indication of nativity, and notes on use, propagation, and culture, and diagnostic illustrations of representative species of most families, a glossary of botanical terms, and an index to common names. Separate articles deal with important crops, such as blueberries; groups of plants; and methods and materials, such as pruning and soils. As with previous editions, Hortus Third will be for years to come the standard reference to the plants of North American horticulture. [Goodreads review]

MSU Reference, 1 Center - SB45 .B2 1976 c.2

Steinem's dictionary of plant names for gardeners: A handbook on the origin and meaning of the botanical names of some cultivated plants/ William T. Stearn, 2002. This work, pared down from Stearin's Botanical Latin, provides the etymology of 6,000 botanical names of the plants most encountered by gardeners and horticulturalists. They are cross-referenced with about 3,000 vernacular plant names to provide a detailed guide to garden nomenclature. Plant classifications and binomial nomenclature are explained, and there are notes on the structure and pronunciation of botanical Latin. This work began as a revision of the late A.W. Smith's "A Gardener's Book of Plant Names" (1963). Originally published in 1972, it was greatly amended and expanded on 20 years before it appeared as Stearin's Dictionary of Plant Names for Gardeners" in 1992. William T. Stearn was a botanical scholar who served as a botanist at London's Natural History Museum. His knowledge of the classical languages led to the publication of many reference works on botanical nomenclature used today.

MSU Reference, 1 Center - QK11 .S6 2002

Cyclopedia of American horticulture; a popular survey of agricultural conditions, practices and ideals in the United States and Canada ed. by L.H. Bailey. With one hundred full-page plates and more than two thousand illustrations in the text, 1907-1909.

S493 .B2

Cyclopedia of American horticulture, comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches, by L.H. Bailey ... assisted by Wilhelm Miller ... and many expert cultivators and botanists. Illustrated with over two thousand original engravings, 1900-1902.

SB45 .B15 v.1-4

Cyclopedia of American horticulture, [electronic resource] comprising suggestions for cultivation of horticultural plants, descriptions of the species of fruits, vegetables, flowers, and ornamental plants sold in the United States and Canada, together with geographical and biographical sketches [2nd ed.], by L.H. Bailey ... assisted by Wilhelm Miller ... and many expert cultivators and botanists. Illustrated with over two thousand original engravings, 1904.

HATHITRUST COLLECTION - Online

Dictionaries -Translation / Polyglot

Dictionary of agriculture: In six languages, German, English, French, Spanish, Italian, Russian: Systematical and alphabetical/ by Günther Haensch and Gisela Haberkamp de Anton, 1986.

MSU Reference, 1 Center - S411 .H2613 1986


In this edition English was chosen as the basic language and Portuguese has been added with Latin for the scientific names of organisms. Apart from the traditional subjects like vegetables, fruits, arboriculture, floriculture, mushrooms, crop science, plant breeding, botany and soil science, it now also includes tropical and subtropical horticulture, herbs and spices, landscaping, arable farming and grasses. More attention has been paid to market planning, economics, education, and extension and labour management. A number of terms relating to apiculture, meteorology and informatics have been introduced. Technology has been given more prominence, but so many new terms have been coined in this field that a selection had to be made. Regarding plant diseases, only general terms are mentioned; specific pests and diseases are not listed in view of the existence of specialized dictionaries. The same goes for weeds. A list of international organizations is included, with translations in English and French. (review from Elsevier)

MSU Reference, 1 Center - SB317.58 .E46 1990


S411 .E75 1995


S411 .B667 1992


S411 .R48 1993


MSU Main Library - S411 .T75 2000
Reference Works - General Agriculture


Crop protection handbook [Greenbook CPR].
SB950.9 .C76 ed.25 2009

SB107 .W485 1999

Plant Management Network Education Center

The PMN Education Center offers a growing collection of educational webcast modules for growers, consultants, and other crop professionals. These presentations are ideal for self-training on the protection and production of various crops. The featured webcasts are viewable at no cost. Please visit monthly to see the latest featured webcasts. Archived webcasts require a low-cost subscription, which includes access to all 12 Plant Management Network resources.

Reference Works - General Plant Science, Horticulture, Landscape Architecture

CAB Reviews

CAB Reviews provides over 3,000 full-text review articles published since 1972 in the area of agricultural biotechnology, animal production, animal breeding, biological control, crop production, forestry, grasslands, human and animal nutrition, post-harvest, soils, and veterinary science.

MSU REFERENCE, 1 CENTER - QK110 .F55 1993 (all vols. currently printed)

MSU REFERENCE, 1 CENTER - SB324.3 .D47 2003

MSU REFERENCE, 1 CENTER - QK100.A1 W34 2008

MSU REFERENCE, 1 CENTER - QK167 .V6 pt.1-3

MSU REFERENCE, 1 CENTER - QK167 .B27 2004 c.2

MSU REFERENCE, 1 CENTER - QK167 .S58 1966

MSU REFERENCE, 1 CENTER - SB472 .L36 2007

MSU ONLINE RESOURCE - SB436 .B373 1993 Online

MSU REFERENCE, 1 CENTER - SB476.5 .S52 1991
Career Books


Career opportunities in conservation and the environment/ Paul R. Greenland and AnnaMarie L. Sheldon. MSU CAREER COLL 1 EAST - S945 .G74 2008

Careers for nature lovers & other outdoor types / Louise Miller MSU CAREER COLL 1 EAST - S945 .M55 2008

Careers for plant lovers & other green thumb types/ Blythe Camenson MSU CAREER COLL 1 EAST - SB50 .C35 2004


Green careers: Choosing work for a sustainable future / Jim Cassio & Alice Rush. MSU CAREER COLL 1 EAST GE60 .C396 2009


Job Corps [electronic resource] / U.S. Dept. of Agriculture, Forest Service. [2010] "This curriculum was developed following the North American Association for Environmental Education guidelines for excellence in environmental education"

Mod. 1/ Climate change.
Mod. 2/ Sustainable living : making a world of difference with simple actions.
Mod. 3/ Green jobs : integrating career technical training into the green economy.

Now hiring! outdoor jobs: The insider's guide to gaining seasonal and year-round employment in America's national parks and forests Jennifer DuBois and Steve Gutmann. MSU CAREER COLL 1 EAST - SB482.A4 D8 1994

Opportunities in environmental careers/ Odom Fanning ; foreword by Mark Van Putten MSU MAIN LIBRARY GE60 .F36 2002

Opportunities in horticulture careers/ Jan Goldberg ; foreword by Susan H. Lathrop MSU MAIN LIBRARY - SB50 .G65 1995

Opportunities in landscape architecture, botanical gardens, and arboreta [electronic resource]/ Blythe Camenson. SB469.384 .C35 1999eb Online


Saving the earth as a career : advice on becoming a conservation professional/ Malcolm L. Hunter, Jr., David B. Lindenmayer, and Aram J.K. Calhoun. MSU CAREER COLL 1 EAST - S945 .H86 2007

So you want to be a garden designer: How to get started, grow, and thrive in the landscape design business! Love Albrecht Howard. Timber Press, 2010. MSU CAREER COLL 1 EAST - SB472.45 .H69 2010

So you want to start a nursery/ Tony Avent. MSU CAREER COLL 1 EAST - SB118.5 .A83 2003


Scholarships, Funding, and Grants

- Find Funding - VP for Research and Graduate Studies
  Provides links to resources where MSU faculty and possibly graduate students can find funding opportunities for projects.

Food, Farm and Garden Funding by Pamela Burke
Call Number: S441 .B87 2015
ISBN: 9781511448062
Publication Date: 2015-04-15
With this book you can search among 300+ food, farm and garden supporters to find possible funding partners. Bonus sections include information about writing a grant, technical assistance providers and other fundraising methods!

How to pay for your degree in agriculture & related fields by Schlachter, Gail Ann
Call Number: MSUL Funding Center: LB2337.2 .H695 ed.4 2012/2014
Publication Date: 2012/2014 (4th ed)
Library has 3rd ed. and 4th editions.

A guide to grants, fellowships, and scholarships in international forestry and natural resources [electronic resource] by Job, Damon A.
Call Number: A 13.36/2:G 76/2 Online
Publication Date: 1996
List of scholarships, grants, and fellowships for study in international forestry from the US Forest Service International Forestry.

Subjects: Agriculture  Tags: agriculture, botanical, plant science