



# **RESOURCES FOR TEACHING SUSTAINABLE AGRICULTURE**

**A SUPPLEMENT TO**

**"TOWARD A SUSTAINABLE AGRICULTURE:**

**A TEACHER'S GUIDE"**



# **RESOURCES FOR TEACHING SUSTAINABLE AGRICULTURE**

A Supplement to  
"Toward A Sustainable Agriculture:  
A Teachers Guide"

Sponsored by:

Center for Integrated Agricultural Systems  
School of Natural Resources  
College of Agricultural and Life Sciences  
University of Wisconsin-Madison  
and  
Wisconsin Rural Development Center  
Mt. Horeb, Wisconsin

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## INTRODUCTION

The purpose of this database of teaching materials on sustainable agriculture topics is to help instructors select teaching resources most suitable to their needs. This resource list can be used in conjunction with Wisconsin's teacher's reference guide, Toward a Sustainable Agriculture, which is targeted to high school instructors. However, this resource guide may be useful to grade levels other than high school. In Wisconsin, it also can be used in conjunction with a **lending library**, to be administered, at least initially, by the Wisconsin Association of Vocational Agricultural Instructors (WAVAI). While the lending library will make available some materials, others can be obtained through public libraries or by contacting organizations as noted.

The contents include a list of videos, slide shows, written text, curricula, and articles that have been evaluated through a statewide teachers' review process to be **recommended resources** to teach various aspects of sustainable agriculture. There also is a list of **additional resources** that instructors and others may find useful. While some resources may be more helpful than others for instructors, virtually none of them has been developed specifically for high school classroom use; some may require additional study questions and supporting materials.

The process of developing this guide included several steps. In the fall of 1991, we distributed a questionnaire to sustainable agriculture advocacy groups nationwide asking for suggestions of resources for us to review. We received a generous response to our distribution of questionnaires and ordered materials from private and public agencies nationwide. During the winter of 1991/92, we distributed these materials to Wisconsin agricultural instructors and to an honorary agricultural education organization at UW-River Falls, for them to review using a standard evaluation form. Based on those reviews, we adjusted our lists into recommended and additional resources and wrote the annotations that we hope will be useful to instructors.

Other resource guides on sustainable agriculture information exist, many of them excellent. While we have drawn on some of their contents and used them at times, we found the need for a resource guide aimed at high school instruction. We look forward to feedback helping us to refine and update it. And refine it we will, if only because new resources are continually emerging. We urge you to fill out the card inside to the last page and return it with your comments.

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## HOW TO OBTAIN MATERIALS

To obtain journal articles, books out of print, U.S. government documents and University of Wisconsin documents, contact your local high school or public librarian for information about your regional Interlibrary Loan Program. No cost is involved.

To obtain University of Wisconsin Extension Service publications, contact the Agricultural Bulletin office at 30 N. Murray St. Madison, WI 53706. Phone: 608-262-3346.

If a State of Wisconsin document cannot be obtained through the Interlibrary Loan Program, contact the Wisconsin State Historical Society at 816 State St. Madison, WI 53703. Phone: 608-262-2781.

If a videotape is listed as "NAL Call No.: Videocassette no. 000", it can be obtained through your regional Interlibrary Loan Program from the National Agricultural Library free of charge for three weeks. Phone: 301-504-5724.

To find the address or phone number of any publication listed within this guide, see the Publishers/Resource list on page 22 of this guide.

## HOW TO USE

### ***Cover Crop Systems.***

1 Videocassette (30 min.): sd., col.; 1/2 in. VHS  
Ste. Anne de Bellevue, Quebec: REAP-Canada, 1990.  
\$30.00/\$15.00 for members.

### **Title**

Number of videocassettes. (Length): Size, Type.  
City, State: Producer/distributor, Date.  
Price.

***Family Farming.*** Strange, Marty. Lincoln, NB: University of Nebraska Press, 1988. 311 pp. \$18.95/8.95 paper.

**Title.** Author. City, State: Publisher, Date. Length. Price for Hardcover/Paperback edition.

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## INTRODUCTION TO SUSTAINABLE AGRICULTURE

### RECOMMENDED

**Common Ground:** a co-production of the National Audubon Society, Turner Broadcasting System, and WETA, Washington, DC.

1 videocassette (60 min.): sd., col.; 1/2 in. VHS

Washington, DC.: WETA, 1987.

National Audubon Society special.

NAL Call No: Videocassette no. 522

- ◆ This video gives a good introduction to sustainable agriculture. Good concept video with visits to large grain and dairy operations that use techniques to reduce their chemical inputs.

#### ***Excellence in Agriculture.***

1 videocassette (20 min.): sd., col.; 1/2 in. VHS

Marine-on-St. Croix, MN: Land Stewardship Project, 1989.

NAL Cataloging in Process

- ◆ Presents a general background of sustainable agricultural principles and philosophies.

"Mainstreaming Low Input Agriculture." Schaller, Neil. ***Journal of Soil and Water Conservation.*** 45:1(1990), pp. 9-12.

- ◆ Gives a firm definition and philosophy of sustainable agriculture.

#### ***Moving Towards Sustainability.***

2 videocassettes (2 Hrs. 45 min. Total): series of 6 programs

@ 27 min. each: sd., col.; 1/2 in. VHS.

Ames, IA: University of Iowa-Extension, 1989.

- ◆ A good series for advanced classes with background preparation in sustainable agricultural methods.

#### ***Reshaping the Bottom Line: On-Farm Strategies for a Sustainable Agriculture.***

Granatstein, David. Stillwater, MN:

Land Stewardship Project, 1988. 63 pp. \$9.00.

- ◆ This book covers various methods of on-farm conversion to sustainable agriculture with economics in mind. Includes weed control, alternative crops, nitrogen management, etc.

**SAM - Sustainable Agricultural Manager/** a computer program. By the Dept. of Agricultural Education/Iowa State University, May 1991. Available in both Apple and IBM versions with workbook. 80 pp.

- ♦ Designed to help shape the decision-making skills of young people in protecting our soil, water, and related resources. Focuses on sustainable agriculture, energy conservation, and profitability.

**Sustainable Agriculture.** Ag Ed Network Service, updated 3/1991. Source University of Wisconsin-River Falls. Call No. HS801-HS844. Subscription information contact Margie Dickmann, ARI Network Services, 330 E. Kilbourn Ave. Milwaukee, WI 53202-3166. Phone 800-558-9044.

- ♦ Forty-four lessons on a computer down-link network have been developed on the topics of; definition of sustainable agriculture, ecology, pollution, natural resources/alternative energy, fertilizer/waste management, forest management, and cropping systems.

**Sustainable Agriculture/**produced by Dept. of Agronomy, University of Nebraska.  
1 videocassette (23 min.): sd., col.; 1/2 in. VHS  
Lincoln, NE: University of Nebraska.

- ♦ Good overall educational video that covers the economics of fertility, pesticide use, alternative crops, and value-added farm products.

"What is Alternative Agriculture?" Madden, J. Patrick. **American Journal of Alternative Agriculture**, 4:1(1989). pp. 32-34.

- ♦ This article presents a good definition of alternative agriculture that is easy to follow.

"Wildlife and Fish and Sustainable Agriculture." Robinson, Ann. **Journal of Soil and Water Conservation**, 45:1(1990). pp. 98-99.

- ♦ This article covers the balance between wildlife and sustainable agriculture and how both are compatible with each other.



### ADDITIONAL RESOURCES

**Agricultural Mechanization: Physical and Societal Effects and Implications for Policy Development.** CAST (Council for Agricultural Sciences and Technology) Report No. 96 (February 1983). Ames, IA: Iowa State University.

"Agriculture's Search for Sustainability and Profitability."  
Ikerd, John E. **Journal of Soil and Water Conservation**, 45:1 (1990). pp. 18-23.

"An Agroecological Approach to Sustainable Agriculture."  
Gliessman, Stephen R. In **Meeting the Expectations of the Land**, Wes Jackson, et al., eds. San Francisco, CA: North Point Press, 1984. pp. 160-171. \$12.50 paper

"Agroecology: A New Research and Development Paradigm for World Agriculture." Altieri, Miguel. **Agriculture, Ecosystems, and Environment**, 27:1(1989), pp. 34-46.

**Alternative Agriculture.** National Research Council. Washington, DC: National Academy Press, 1989. 464 pp. \$29.95/19.95 paper.

**Biodiversity.** Wilson, Edmund O., ed. Washington, DC: National Academy Press, 1988. 538 pp. \$19.50 paper.

"The Causes of Changes in Farm Technology Size and Organizational Structure." Flora, Jan, and Richard D. Rodefeld, et al., eds. In **Change in Rural America: Causes, Consequences and Alternatives**. St. Louis, Mo: Mosby and Co., 1978. 551 pp. out of print.

"Comparative Local Economic Benefits of Conventional and Alternative Cropping Systems." Lockeretz, William. **American Journal of Alternative Agriculture**, 4:2(1989), pp. 75-83.

**Family Farming.** Strange, Marty. Lincoln, NB: University of Nebraska Press, 1988. 311 pp. \$18.95/8.95 paper.

**Farm Subsidies: Consequences and Alternatives.** Soden, Katie, and Thomas R. McKinney Snowmass, CO: Rocky Mountain Institute Agricultural Program, 1988. 34 pp. \$10.00.

**Home Economics.** Berry, Wendell. San Francisco, CA: North Point Press, 1987. 256 pp. \$20.00/9.95 paper.

"The Importance of Integrating Sustainable Agricultural Systems.  
Edwards, Clive A. **Agriculture, Ecosystems, and Environment**,  
27(1989), pp. 25-35.

"The Nature, Magnitude and Consequences of Changes in Agriculture  
Technology." Flora, Jan and Richard D. Rodefeld. In **Change in  
Rural America: Causes, Consequences and Alternatives**.  
St. Louis, MO: Mosby and Co., 1978. 551 pp. out of print.

**The One-Straw Revolution.** Fukuoka, Masanobu. New York, NY: Bantam  
Books, 1985. 155 pp. \$3.95 paper.

"One Victory Is Not Enough." Jackson, Wes. In **The Land Report**.  
Salina, KS: The Land Institute, 1989.

**The Organic Alternative.** /produced by Grace Gershuny.  
1 videocassette (20 min.): sd., col.: 1/2 in. VHS  
St. Johnsbury, VT: Gaia Services, 1988. \$25.00.

- ♦ This video covers aspects of organic farming from soil  
health to direct marketing and organic certification.

"Our Approach to Sustainable Agriculture." Article in **Connections**,  
newsletter of the Center for Integrated Agricultural Systems.  
Klemme, Richard M. and Steve Stevenson. University of  
Wisconsin-Madison, 1:1(July 1990), p. 2.

**The Recurring Silent Spring.** Hynes, H. Patricia. New York, NY:  
Pergamon Press, 1989. 272 pp. \$27.50/12.95 paper.

**A Sand County Almanac.** Leopold, Aldo. New York, NY: Oxford Press,  
Inc., 1949. 295 pp. \$4.95 paper.

**Silent Spring.** Carson, Rachel. New York, NY: Houghton Mifflin  
Co., 1962. 448 pp. \$17.95/8.95 paper.

**The Unsettling of America: Culture and Agriculture.** Berry, Wendell.  
Pasadena, CA: Sierra Books, 1986. 240 pp. \$9.00 paper.

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## SUSTAINABLE CROPPING AND LIVESTOCK SYSTEMS

### RECOMMENDED

***Agri-Balance***/produced in conjunction with the Ohio Ecological Food and Farm Association.

1 videocassette (30 min.): sd., col.; 1/2 in. VHS

New Vienna, OH: Shoestring Productions. \$19.95 or rental.

- ♦ A non-technical video which offers positive alternatives to conventional farming practices.

***Bell and Brodman Farms***/produced in conjunction with the Ohio Ecological Food and Farm Association.

1 videocassette (30 min.): sd., col.; 1/2 in. VHS

New Vienna, OH: Shoestring Productions. \$19.95 or rental.

- ♦ This covers two organic farms. One beef and one dairy farm. Both are certified organic and raise organic feed for the livestock.

***Controlling Weeds Without Chemicals***. Brusko, Mike, ed. Emmaus, PA: Regenerative Agriculture Association, 1987. 138 pp. \$19.95.

- ♦ A series of articles from The New Farm magazine which covers ways of controlling weeds without the use of agricultural chemicals.

***Cover Crop Systems***.

1 videocassette (30 min.): sd., col.; 1/2 in. VHS

Ste. Anne de Bellevue, Quebec: REAP-Canada, 1990.

\$30.00/\$15.00 for members.

- ♦ Covers the production of cover crops in the northern U.S. and southern Canada. Good video for junior and senior class levels.

***Equipping for Maximum Net Forage Production: Voisin Grazing Management***. Murphy, Bill. University of Vermont.

1 videocassette (37 min.): sd., col.; 1/2 in. VHS

Burlington, VT: University of Vermont, 1990. \$15.00.

- ♦ This video covers the benefits and drawbacks of rotational grazing. Good "how to" video that is farmer oriented.

**Farmer to Farmer: Strategies for sustainable Agriculture.**

Series of 6 videos: **Field Crops, Rotational Grazing, Vegetables, IPM for Vegetables and Small Fruits, IPM for Apples, and High-Value Marketing.**

6 Videocassettes:(30 min. each). sd., col.: 1/2 in. VHS

Presented by the Rodale Institute. Fredrick, MD: Rooy Media.

1991. \$29.95 each or \$149.95 for set.

- ◆ Each video gives a solid overview of the topic with many farmer examples. Conveniently edited to allow for discussion or elaboration. Comes with Video Resource and Viewing Guide, plus questions and contact people.

**Farming for the Future.** Series of four videos: **Rotary Hoe** (16 min.), **Nitrogen Management** (12 min.), **Rotational Grazing** (17 min.), **Cover Crops** (15 min.). sd., col.; 1/2 in. VHS

Lewiston, MN: Land Stewardship Project, 1991. \$25.00.

- ◆ This series gives an excellent overview of the practical aspects of these production practices. May not be applicable for classes that have a high percentage of non-farm students.

**Field Corn Scouting in the Upper Midwest**/produced by the Dept. of Agricultural Journalism in cooperation with Wisconsin-Extension, Cooperative Extension Service; with John Wedberg.

1 videocassette (18 min., 25 sec.): sd., col.; 1/2 in., + user's guide.

Madison, WI The Service, 1986S.

NAL Call No: Videocassette no. 305.

- ◆ Excellent video for farm-oriented students who want to learn practical methods of crop scouting corn.

**Forest of Gold**/produced by Wisconsin Dept. of Agriculture, Trade and Consumer Protection.

1 Videocassette (23 min.): sd., col.; 1/2 in. VHS

Madison, WI: WDATCP. 1990.

- ◆ A well-done video for forestry classes that covers many aspects of woodlot management.

***From the Ground Up: Wisconsin Sustainable Farmers Tell of Their Practice and Vision.*** Irwin, Mike. Madison, WI: Madison Area Technical College/Wisconsin Department of Agriculture, Trade and Consumer Protection, 1990. 68 pp.

- ♦ An anthology of sustainable practitioners in Wisconsin. They tell of their philosophy and views of agriculture in the 1980s.

***Growing Amaranth in Wisconsin.***

1 videocassette (20 min.): sd., col.; 1/2 in. VHS  
Madison, WI: Mike Irwin/WDACTP, 1990.

- ♦ This video covers the process of growing a specialty crop with attention given to the mechanics of planting, cultivation, and harvesting.

***Hartz-Desire and Steiner Farms***/produced in conjunction with the Ohio Ecological Food and Farm Association.

1 videocassette (30 min.): sd., col.; 1/2 in. VHS  
New Vienna, OH: Shoestring Productions. \$19.95 or rental.

- ♦ This covers herd health and production records of organic dairy operation plus a visit to a 40-acre beef operation that includes an orchard in which chemical use has been reduced.

***Non-Chemical Weed Control in Row Crops, with Jim Bender.***

1 videocassette (60 min.): sd., col.; 1/2 in. VHS  
Hartington, NE: Nebraska Sustainable Agriculture Society. \$10.00.

- ♦ This video covers methods of controlling weeds through mechanical methods.

***The Price of Bounty.***

1 videocassette (60 min.): sd., col.; 1/2 in. VHS  
Urbana, IL: University of Illinois-Extension, 1991.

- ♦ This video is good for classroom discussions of agricultural or environmental problems. It covers water quality issues in central Illinois associated with intensive agricultural production.

***Profitable Farming Now!*** Brusko, Mike, ed. Emmaus, PA: Regenerative Agriculture Association, 1984. 100 pp. \$17.95 paper.

- ♦ This series of articles from The New Farm magazine covers ways of improving farm efficiency through the use of sustainable methods.

***Reshaping the Bottom Line: On-Farm strategies for a Sustainable Agriculture*** Granatstein, David. Lewiston, MN: Land Stewardship Project, 1988. 63 pp. \$9.00.

- ◆ This excellent book covers various methods of on-farm conversion to sustainable agriculture with economics in mind. It includes weed control, alternative crops, nitrogen management, etc.

***Switching to a Sustainable System: Strategies for Converting from Conventional/Chemical to Sustainable/Organic Farming Systems.*** Kirschenmann, Frederick. Madi, ND: Northern Plains Sustainable Agriculture Society, 1988. 18 pp. \$5.00 paper.

- ◆ This paper covers the basic requirements of getting started: developing a conversion plan, assessing resources, anticipating weaknesses, developing a crop rotation model, and regenerative soil building systems.

***Time Bomb for Tomorrow***/produced in conjunction with Ohio Ecological Food and Farm Association.

1 videocassette (30 min.): sd., col.; 1/2 in. VHS

New Vienna, OH: Shoestring Productions. \$19.95 or rental.

- ◆ This video tells a personal story of the effects of agricultural chemical run-off into a farm pond, resulting in a total fish kill.

***Voisin Controlled Grazing Management: A Better Way to Farm.***

Murphy, Bill: University of Vermont.

1 videocassette (34 min.): sd., col.; 1/2 in. VHS

Burlington, VT: Perceptions, Inc., 1989.

NAL Call No: Videocassette no. 685. \$15.00 from Univ. of VT.

- ◆ This video covers the basics of rotational grazing from start to finish, including where and when this method should be applied.

***Wisconsin Pastures for Profit: A Hands-on Guide to Rotational Grazing.*** Undersander, Dan, et al., University of Wisconsin-Madison Extension, 1991. \$1.25 paper. A3529. 52 pp.

- ◆ This practical guide covers all aspects of rotational grazing from forage varieties to paddock set-up and pasture basics.

**Woodlot Management**/produced by the Agricultural Extension Program,  
North Carolina A&T State University.  
1 videocassette (14 min. 35 sec.): sd., col.; 1/2 in. VHS  
Greensboro, NC, The Program, 1989.  
NAL Cataloging in process

- ♦ This video gives clear a definition of woodlot resource management that is easy to understand and follow.

### ADDITIONAL RESOURCES

**Alternative Agriculture.** National Research Council. Washington, DC:  
National Academy Press, 1989. 464 pp. \$29.95/19.95 paper.

**A Better Mousetrap: Improving Pest Management for Agriculture.**  
Dover, Michael J. Washington, DC: World Resources Institute,  
1985. 96 pp. \$10.00 paper.

**Controlling Weeds With Fewer Chemicals.** Cramer, et al. Emmaus, PA:  
Regenerative Agricultural Association, 1991. pp. 138. \$19.95 paper.

"Converting to Sustainable Farming Systems." Andrews, R., S. Peters, and  
R. Janke. In **Sustainable Agriculture in Temperate Zones.** C. Francis,  
C. Flora, and L. King, eds. New York, NY: Wiley, 1990. pp. 281-313.

"Dairy Farm Feeding and Income Effects of Using Voisin Grazing  
Management of Permanent Pastures." Murphy, William, James Rice, and  
David Dugdale. In **American Journal of Alternative Agriculture**,  
1:4(1986), pp. 147-152.

**Grass Productivity.** Voisin, Andre. New York, NY: Philosophical Library, Inc.,  
1959. 355 pp. \$29.95/19.95 paper.

**Growing Forage Crops**/production of the Cooperative Extension Program,  
Fort Valley State College.  
1 videocassette (14 min., 55 sec.): sd., col.; 1/2 in. VHS  
Fort Valley, GA, Cooperative Extension Program, 1989.  
NAL Cataloging in process.

**Hope for the Family Farm: Trust, God, and Care for the Land.** Platt, LaVonne  
Godwin, ed. Newton, KS: Faith and Life Press, 1987. 240 pp. \$7.95 paper.

**Limited Input Farm Systems.**

1 videocassette: sd., col.; 1/2 in. VHS

Cedar Rapids, IA: Rural Development Center, Kirkwood Community College, [1990]. NAL Cataloging in process. \$30.00.

**Managing Cover Crops Profitably.** A publication of the Sustainable Agriculture Research and Education Program of CSRS, USDA. Brusko, Mike ed. 1992. 114 pp. \$9.95

**Pest Management Principles for the Wisconsin Farmer.** Doersch, Ron, et al. 2nd ed. Pesticide Applicator Training Program, University of Wisconsin-Madison Extension, 1988. pp. 5-10.

**The Rodale Book of Composting.** Gurshuny, Grace and Debra Martin. Emmaus, PA: Rodale Press, 1991. 429 pp. \$14.95

"The Role and Contributions of Animals in Alternative Agricultural Systems." Baker, Frank H., and Ned Ramm. **American Journal of Alternative Agriculture**, 4:3/4(1989). pp. 121-127.

**Thoughts on Drought-Proofing Your Farm: A Biodynamic Approach.** Goldstein, Walter. East Troy, WI: Michael Fields Agricultural Institute, 1989. 15 pp. \$5.00 paper.

**Toward a More Sustainable Agriculture.** Poincelot, Raymond P. Westport, CT: AVI Publishing Co., 1986. 241 pp. \$36.95.

**The Transition Document: Toward an Environmentally Sound Agriculture.** MacCormack, H., et al. Tualatin, OR: Oregon Tilth Research and Education Committee, 1988. 77 pp.



## SOIL AND WATER QUALITY

### RECOMMENDED

#### ***AgriScience Institute and Outreach Program - Instructional***

**Materials.** Lesson plans continue to be developed for:  
Plant nutrition using hydroponics; symbiotic nitrogen fixation;  
methane production through anaerobic fermentation; environmental  
effects and plant tolerances to atrazine; effects of soil type and  
plant growth on nitrogen leaching; and a genetic study of quantitatively  
inherited traits.

Madison, WI: University of Wisconsin-Madison (**Bottle Biology Program**)  
and the University of California-Davis.

- ♦ Manual forthcoming. Excellent hands-on lessons aimed at  
integrating high school agriculture and biology using  
**Wisconsin Fast Plants** and **Bottle Biology** teaching models.

#### ***Best Management Practices For Improved Water Quality***

produced by University of Illinois, Cooperative Extension.  
1 videocassette (30 min.): sd., col.; 1/2 in. VHS  
Urbana, IL: College of Agriculture, 1991.

- ♦ This video covers practices to reduce ground and surface water  
contamination. It is well written and has good quality photography.

#### ***Better Land, Better Water.*** / produced by USDA Soil Conservation Service and Iowa State University Extension Service.

1 videocassette (45 min.): sd., col.; 1/2 in. VHS  
Ames, IA: Iowa State University, 1990.

- ♦ This is a good video for classroom discussion on ground/surface water  
protection. It can be viewed as a whole or in parts to cover specific topics.

#### ***How Soil Erodes***/produced by University of Illinois, Cooperative Extension.

1 videocassette (17 min.): sd., col.; 1/2 in. VHS  
[Urbana, IL], College of Agriculture, [1986].  
NAL Call No.: Videocassette no. 363.

- ♦ This video explains the concepts of the erosion process in simple terms.  
It also covers production practices to minimize erosion.

***It All Adds Up - Non-point Source Pollution/*** Produced by University of Wisconsin Extension and the Wisconsin Dept. of Natural Resources.  
1 videocassette (30 min.): sd., col.; 1/2 in. VHS  
Madison, WI: University of WI/WI DNR, 1990.

- ◆ A series of short videos that cover on-farm run-off, streambank protection, and manure handling.

***Pesticides and Groundwater.*** Northeast Regional Area Engineering Service.  
NRAES-34. Ithaca, NY: NRAES, 1989. 15 pp.

- ◆ This booklet covers groundwater properties, pesticides in the environment, pesticide application practices, and the health effects of contaminated groundwater.

***Project Stewardship Minnesota.*** Water Quality Curriculum (grades 6-12.)  
St. Paul, MN: Office of Environmental Education, 1991. 200 pp.

- ◆ This curriculum gives a range and variety of inexpensive exercises. It makes water quality issues relevant to a teenager's life and provides quick information available at one's finger-tips.

***The Soul of Soil: A Guide to Ecological Soil Management.***  
Gershuny, Grace, and Joseph Smillie. St. Johnsbury, VT:  
Gaia Services, 1988. 125 pp. \$8.50 paper.

- ◆ A well-written book on the ecology of soils covering soils health to erosion control. It's well-illustrated, easy to read and too follow.  
Good for all high school levels.

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**ADDITIONAL RESOURCES*****Conservation on Your Own.***

1 videocassette (60 min.): sd., col.; 1/2 in. VHS

League City, TX: National Association of Conservation Districts. \$7.50.

***For the Common Good: Preserving Private Lands with Conservation Easements***/The Land Trust Exchange.

1 videocassette (16 min.): sd., col., 1/2 in. VHS

Bar Harbor, ME: The Exchange, [198?]

NAL Call No: Videocassette no. 66.

***Living Soil: An Introduction to Natural Farming***/planned by

International Research Center for Nature Farming; produced by Sakura Motion Picture Co., LTD.

1 videocassette (41 min., 50 sec.): sd., col.; 1/2 in. VHS

New York, NY: MOA, [1986]. NAL Call No: Videocassette no. 127.

***Protecting Groundwater from Agricultural Chemicals: Alternative Farming Strategies for Northwest Producers.*** Kaufmann, Christine, and Nancy Matheson. Helena, MT: Alternative Energy Resources Organization (AERO), 1990. \$4.00 or \$3.00 for five or more.***Water and Fencing Systems for Streambank Protection.***

1 videocassette (18:40): sd., col.; 1/2 in. VHS

Wausau, WI: Northcentral Technical College. 1990.

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## ECONOMICS OF SUSTAINABLE AGRICULTURE

### RECOMMENDED

***Farming Alternatives: A Guide Evaluating the Feasibility of Non Farm-based Enterprises.*** Green, Judy, et al. Ithaca, NY: Cornell University-Northeast Agricultural Engineering Service, 1988. 88 pp. \$5.75 workbook. NRAES-32.

- ◆ This good teacher workbook may be used as is for upper class/advanced students. It covers the process and decision making considerations of developing alternative farm-based enterprises.

***Nutrient and Pesticide Best Management Practices for Wisconsin Farms.*** Madison, WI: University of Wisconsin and WDATCP, A-3466, 1989. 174 pp.

- ◆ This guide covers the latest recommendations for nutrient and pesticide use in production agriculture in Wisconsin.

### ***The Politics of Food.***

***The Question of Aid, The Food Machine, The Hunger Business, The Avoidable Famine, and Sharing the Land.***

5 videocassettes:(40 min. each). sd., col.; 1/2 in. VHS  
Akron, PA: MCC Akron Resources Library. Free loan.

- ◆ This series of videos tackles global agriculture, hunger, and food distribution. Topics range from the 1986 Sudan famine to the U.S. farm crisis of the mid-80s to the global distribution of food and Brazil's rainforest dilemma.

### ***Turn Here Sweet Corn.***

1 Videocassette: (57 min. or 37 min.). sd., col.; 1/2 in. VHS  
Oley, PA: Bullfrog Films. 1990. Rental \$85 for long version, \$45 for short version.

- ◆ A video essay that looks at one family's struggle against urban sprawl in effort to save their organic vegetable farm. It also can be used in the Public Policy section.

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**ADDITIONAL RESOURCES**

**Alternative Agriculture.** National Research Council. Washington, DC:  
National Academy Press, 1989. 464 pp. \$29.95/19.95 paper.

***Future Conditional: Global Warming.***

1 videocassette (30 min.): sd., col.; 1/2 in. VHS  
Washington, DC: Resources for the Future. \$95.00

**Profitable Farming Now!** Brusko, Mike, ed. Emmaus, PA: Regenerative  
Agriculture Association, 1985. 100 pp. \$17.95 paper.

***Trading the Future: The Concentration of Economic Power in our Food  
System.*** Wessel, James, and Mort Hantman. San Francisco, CA:  
Institute for Food and Development Policy, 1983. 260 pp. \$8.95 paper.

## ALTERNATIVE AGRICULTURAL ENTERPRISES AND RURAL DEVELOPMENT

### RECOMMENDED

***"Economic Options for Wisconsin Farm Families."*** Williams, Roger, and Tom Lamm. Video series and study guide. University of Wisconsin-Madison Division of Human Outreach, 1989. Available from Health and Human Issues, 610 Langdon St., Madison, WI 53703, (608) 263-4432.

- ♦ This video series and workbook cover the process of how to get started in a home-based business, farm diversification, and off-farm employment.

***It's Not Just About Vegetables.***

1 videocassette: sd., col.; 1/2 in. VHS + handbook  
Great Barrington, MA: Indian Line Farm. \$35.00 for video,  
\$10.00 for workbook.

- ♦ This workbook and video covers the considerations needed to develop a value-added farm product and its marketing.

***"Rural Economic Development: Agricultural and the Rural Community."***

Center for Rural Affairs. Special Report. Walthill, NB: 1988. 22 pp. \$3.00

- ♦ This special report looks at the relationship between conventional agriculture and rural communities. And how sustainable agriculture can have a positive impact on those communities.

### ADDITIONAL RESOURCES

***As You Sow.*** Goldschmidt, Walter. Montclair, CA: Allanheld, Osmun and Co., 1978. 505 pp. \$7.95 paper.

"Comparative Local Economic Benefits of Conventional and Alternative Cropping Systems." Lockeretz, William. ***American Journal of Alternative Agriculture***, 4:2(1989), pp. 75-83.

***Farming Alternatives: Innovations for Northeast Farms.***

1 videocassette (15 min.): sd., col.; 1/2 in. VHS. NRAES, 1987.  
Ithaca, NY: Northeast Agricultural Engineering Service.

***Half a Glass of Water: State Economic Development Policies and the Small Agricultural Communities of the Middle Border.*** Strange, Marty, et al. Walthill, NB: Center for Rural Affairs, 1990. 37 pp.

***How to Make \$100,000 Farming 25 Acres.*** Whatley, Booker T. Emmaus, PA: Regenerative Agriculture Association, 1988.

***How to Start a Cooperative.***

1 videocassette: sd., col.; 1/2 in. VHS

Washington, DC: USDA Agricultural Cooperative Service. \$25.00.

***Specialty Crops and Diversification of Wisconsin Agriculture: The Result of Public Hearings and Related Activities.*** Rodefeld, et.al. Madison, WI: WDATCP, 1987. 60 pp.

***Turning Wool into a Cottage Industry.*** Simmons, Paula. Pownal, VT: Gardenway Publishing. 188 pp. \$14.95.

***Ways to Grow: Money-making Ideas for Small Farms.***

1 videocassette (15 min.): sd., col.; 1/2 in. VHS

Fort Valley, GA: Fort Valley College, 1987.

***Who Will Stand Up for the Family Farm?*** Bolstad, Lowell. Prairie Farm, WI: Prairie Farm Press. 1987.

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## PUBLIC POLICY

### RECOMMENDED

"Agricultural Chemicals in Ground Water: Preventing Contamination by Removing Barriers Against Low-Input Farming Management." Fleming, Malcolm.  
***American Journal of Alternative Agriculture***, 2:3(1987), pp. 124-130.

- ◆ This article gives a good overview of groundwater contamination problems, solutions, and why some of these solutions are not being accepted.

***Alternative Agriculture***. National Research Council. Washington, DC:  
National Academy Press, 1989. 464 pp. \$29.95/19.95 paper.

- ◆ This landmark publication gives an in-depth look at alternative agriculture, its benefits and constraints. The NRC executive summary gives policy recommendations and includes 11 case studies of farmers who adopted sustainable agricultural practices.

### ADDITIONAL RESOURCES

***Alternative Agriculture: Federal Incentives and Farmers' Opinions***.  
General Accounting Office. Washington, DC: GAO, 1990. 95 pp.

***As You Sow***. Goldschmidt, Walter. Montclair, CA: Allanheld, Osmun and Co.,  
1978. 505 pp. \$7.95 paper.

"Barriers to Conversion to Organic Farming Practices in the Midwestern United States." Blobaum, R. In ***Environmentally Sound Agriculture***. Bill Lockhertz, ed. New York, NY: Praeger, 1983. 444 pp. \$44.95.

***Policy Options for the 1990 Farm Bill***. Hassebrook, Chuck, and Ron Kroese.  
Walthill, NB: Center for Rural Affairs, 1989. 30 pp. \$3.00.

***Family Farming***. Strange, Marty. Lincoln, NB: University of Nebraska Press,  
1988. 311 pp. \$18.95/8.95 paper.

***Farm Subsidies: Consequences and Alternatives***. Soden, Katie, and Thomas R. McKinney. Snowmass, CO: Rocky Mountain Institute Agricultural Program,  
1989. 34 pp. \$10.00.



***First Majority - Last Majority: The Transformation of Life in Rural America.***

Shover, John L. DeKalb, IL: Northern Illinois University Press, 1976.

338 pp. \$17.00/8.50 paper.

***The Myth of the Family Farm: Agribusiness Dominance in the United States.***

Vogeler, Ingolf. Boulder, CO: Westview Press, 1981. 352 pp. out of print.

***Sustainable Agricultural Systems.*** Edwards, Clive A., et al., eds.

Ankeny, IA: Soil and Water Conservation Society, 1990. 696 pp.

\$40.00/36.00 for members.

***Technology, Public Policy, and the Changing Structure of American Agriculture.*** U.S. Congress, Office of Technology Assessment (OTA).

Washington, DC: U.S. Government Printing Office, 1986.

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## ETHICS AND AGRICULTURE

***Alternative Agriculture.*** National Research Council. Washington, DC: National Academy Press, 1989. 464 pp. \$29.95/19.95 paper.

***Decision Cases in Agriculture.*** Various Authors, University of Minnesota, 1988-1992. Case Studies. One copy of up to four individual cases or teaching notes will be provided free of charge. More than four items will be charged at \$2.00 per item.

- ◆ Excellent case-studies of various topics. Includes study questions, exhibits and teaching guide. Dept. of Agronomy, 411 Borlaug Hall, 1991 Buford Cir., University of Minnesota, St. Paul, MN 55108. 612-625-7773.

"Ethics, Values and Goals in Agricultural Systems and Agricultural Research." Dahlberg, K. In Thomas C. Edens ed., ***Sustainable Agriculture and Integrated Farming Systems.*** East Lansing, MI: Michigan State University Press, 1985. 300 pp. \$18.95.

***Economic Justice for All: Pastoral Letter on Catholic Social; Teaching and the U.S. Economy.*** Washington, DC: U.S. Catholic Conference, 1986. 192 pp. \$2.95.

***Ethics and Technoculture.*** Thomas, J. Mark. Lanham, MD: University Press of America, 1987. \$40.00/23.25 paper.

***Food First: Beyond the Myth of Scarcity.*** Lappe', Francis Moore, and Joseph Collins. New York, NY: Harper and Row, 1985. 619 pp. \$4.95 paper.

***For the Common Good: Redirecting the Economy Toward Community, the Environment, and a Sustainable Future.*** Daly, Herman E. and John Cobb, Jr. Boston, MA: Beacon Press, 1989. 448 pp. \$24.95.

***From the Ground Up: Wisconsin Sustainable Farmers Tell of Their Practices and Vision.*** Irwin, Mike. Madison, WI: Madison Area Technical College and Wisconsin Department of Agriculture, Trade and Consumer Protection, 1990. 68 pp.

***Home Economics.*** Berry, Wendell. San Francisco, CA: North Point Press, 1987. 256 pp. \$20.00/9.95 paper.

"Land Planning in an Ethical Perspective." Kaufman, J.L. ***Journal of Soil and Water Conservation***, 35.6(1980), pp. 225-258.

***Lessons in a Land Ethic: Leopold Education Project.*** Laib, Gary, et al., Land Use Council - 16, Illinois SWCD, 1991. \$10.00. For a copy contact Leopold Education Project, PO Box 218, Belvidere, IL 61008. 815-544-2622.

***The Moral Choice.*** Maguire, Daniel C. Garden City, NY: Doubleday, 1978. out of print.

***A Sand County Almanac.*** Leopold, Aldo. New York, NY: Ballantine Books, 1979. 295 pp. \$4.95. paper.

***Small is Beautiful: Economics as if People Mattered.*** Schumacher, E.F. New York, NY: Harper and Row, 1973. 352 pp. \$9.95 paper.

***Theology of the Land.*** Evans, Bernard, ed. Collegeville, MN: Liturgical Press, 1987. 120 pp. \$5.95 paper.

## **YOUR INPUT IS REQUESTED AND APPRECIATED!**

- ✧ What educational level do you teach? \_\_\_\_\_
- ✧ Do you have a copy of the teachers guide? Yes/No
- ✧ Are you currently teaching sustainable agriculture topics? Yes/No
- ✧ Which resources are the most beneficial for your use? \_\_\_\_\_

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✧ Would you list any other resources you are currently using not in the **Resource Guide**. \_\_\_\_\_

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✧ What changes would you recommend for future versions of this guide?

- 
- ✧ Do the annotations reflect your experience with the resources? Yes/No
  - ✧ Other comments?

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**Michigan State University Press**

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East Lansing, MI 48824.  
517-355-9543.

**Mosby and Co.**

11830 Westline Industrial Dr.  
St. Louis, MO 63146.  
314-872-8370/800-325-4177.

**National Academy Press**

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Washington, DC 20418.  
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**National Agricultural Library**

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## ***Notes***

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