

# FURTHER RESOURCES

## MANURE SPECIALISTS

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## PUBLICATIONS

### Composting

**The Composting Council**, 114 South Pitt Street, Alexandria, VA 22314, 703-739-2401.

The Composting Council is a trade association supporting the needs of the composting industry. Members include compost producers, equipment manufacturers, academic institutions, non-profit groups, and others interested in maximizing the use of organic materials. Their publications focus on the commercial production of compost and its use. Call for a list of publications.

*Farm-Scale Composting*. 1994. Donna Doel. Appropriate Technology Transfer for Rural Areas (ATTRA). This free booklet can be ordered from ATTRA at 800-346-9140, or on their web site at <http://www.attra.org>.

*Manure Management Alternatives*. 1995. Minnesota Department of Agriculture. Pages 3-12 contain information on composting. Visit the MDA web page at <http://www.mda.state.mn.us> for the most current edition or call MDA at 651-285-6830.

*Organic Field Crop Handbook*. 1992. Canadian Organic Growers Inc. See pages 32-43 for practical information on how to compost manure. Available from Faye Jones, Education Outreach Coordinator, Wisconsin OCIA, N7834 Co. Rd. B, Spring Valley WI 54767.

*The Passively Aerated Windrow System of Composting – A Guide for Farmers*. 1995. Jon Nilsson and others. A free handbook available from the Pickering Creek Environmental Center in Easton, MD. Call Alan Girard, Jr. at 410-822-4903.

*The Rodale Book of Composting*. 1992. D. Martin and G. Gershuny. Rodale Press. Order from Rodale at 800-914-9363.

### Manure Management

*Developing a Manure Management Plan*. 1997. Dennis Busch, Lowell Busman, and Phil Nesse. University of Minnesota Extension Service BU-6957.

A pencil-and-paper alternative to the MAP computer program. Use it to calculate manure application rates based on the nutrients in manure and crop nutrient needs. Contact your local University of Minnesota Extension educator, or call the Distribution Center at 1-800-876-8636. These publications and other manure management information are available at the Manure Education and Research home page at <http://www.bae.umn.edu/extens/manure/manure.html>

*Estimating Manures' Fertilizer Replacement Value*. D. Busch, P. Nesse, L. Busman. University of Minnesota Extension Service FO-7197.

Provides a starting point, through examples and worksheets, to determine a reasonable value for manure purchases. For livestock producers, consultants, and potential manure buyers. Contact your local University of Minnesota Extension educator, or call the Distribution Center at 1-800-876-8636. These publications and other manure management information are available at the Manure Education and Research home page at <http://www.bae.umn.edu/extens/manure/manure.html>

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***Feedlot and Manure Management Directory.*** 1997. Minnesota Department of Agriculture. See **Manure Management Planning Guide for Livestock Operators**, below.

***The Fertilizing Cropland with Manure series.*** Michael Schmitt and George Rehm. University of Minnesota Extension Service.

Contact your local University of Minnesota Extension educator, or call the Distribution Center at 1-800-876-8636. These publications and other manure management information are available at the Manure Education and Research home page at <http://www.bae.umn.edu/extens/manure/manure.html>

***Fertilizing Cropland with Beef Manure.*** FO-5882.

***Fertilizing Cropland with Dairy Manure.*** FO-5880.

***Fertilizing Cropland with Poultry Manure.*** FO-5881.

***Fertilizing Cropland with Swine Manure.*** FO-5879.

***Integrated Animal Waste Management.*** 1996. Council for Agricultural Science and Technology (CAST). Task Force Report No. 128.

An 80-page summary of manure management policy issues and system options written to educate the public. Copies available for \$20 from CAST, 4420 West Lincoln Way, Ames, IA 50014-3447, (515)292-2125, [cast@cast-science.org](mailto:cast@cast-science.org)

***Livestock Manure Sampling and Testing.*** Tim Wagar, Mike Schmitt, Chuck Clanton, and Fred Bergsrud. University of Minnesota Extension Service FO-6423.

Contact your local University of Minnesota Extension educator, or call the Distribution Center at 1-800-876-8636. These publications and other manure management information are available at the Manure Education and Research home page at <http://www.bae.umn.edu/extens/manure/manure.html>

***MAP (Manure Application Planner).*** Center for Farm Financial Management, University of Minnesota.

MAP is a computer program that can be used to assess the economic viability and environmental soundness of your current practices, or to design a new manure application plan. It is available for use at Soil and Water Conservation District offices, University of Minnesota Extension Service offices, and Pollution Control Agency offices. For more information, or to purchase the program, contact the Center for Farm Financial Management at 1-800-234-1111, or at <http://www.cffm.umn.edu/cffm/map.htm>

To prepare for an efficient and productive session when using the MAP software, fill out *Manure Application Planning Input Form*. 1996. M. A. Schmitt, R. A. Levins, and D. W. Richardson. University of Minnesota Extension Service FO-6691.

***Manure Management Alternatives.*** 1995. Minnesota Department of Agriculture. See **Manure Management Planning Guide for Livestock Operators**, below.

***Manure Management for Open Lot Livestock Production.*** 1995. Natural Resources Conservation Service, Iowa State University, and Iowa Department of Natural Resources.

A 16-page booklet about choosing the right management system, storing manure, releasing liquids, treating runoff, and applying nutrients to the land. Cost: \$2. Distributed by the Conservation Technology Information Center, 317-494-9555, [hopper@ctic.purdue.edu](mailto:hopper@ctic.purdue.edu).

***Manure Management in Minnesota.*** Michael Schmitt. University of Minnesota Extension Service FO-3553.

A summary of manure management issues, including the application of manure to alfalfa or soybeans. Contact your local University of Minnesota Extension educator, or call the Distribution Center at 1-800-876-8636. These publications and other manure management information are available at the Manure Education and Research home page at <http://www.bae.umn.edu/extens/manure/manure.html>

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***Manure Management Planning Guide for Livestock Operators.*** 1995. Minnesota Department of Agriculture. 60 pgs. Two supplements are also available: *Manure Management Alternatives* (1995), and *Feedlot and Manure Management Directory* (1997).

These three publications are a comprehensive guide to the technical aspects of manure handling systems. They are less useful in planning nutrient management. The *Manure Management Planning Guide* includes chapters on permitting, neighbor relations, system options, environmental considerations, utilization and application of manure, and cost share assistance. The *Manure Management Alternatives* book explains composting, vegetative filter strips, mechanical separation, anaerobic digestion, gasification, and odor control methods. The *Feedlot and Manure Management Directory* lists contacts for permitting, financial assistance, planning and engineering assistance, testing labs, custom applicators, crop consultants, and private engineers. For the most up-to-date version of the directory visit the MDA web page at <http://www.mda.state.mn.us>. For a free copy, call the MDA Ag Marketing and Development Division at 651-285-6830.

***Running your Feedlot for Farm Economy and Water Resource Protection.*** 1993. Minnesota Pollution Control Agency.

This 16-page publication is available by calling PCA at 651-296-6300.

***Turkey Manure Handling.*** Sally Noll. University of Minnesota Extension Service FO-5653.

Provides information about storage, use as a fertilizer, use as a feed source, financial value, transportation, regulations, public relations, and resources. Contact your local University of Minnesota Extension educator, or call the Distribution Center at 1-800-876-8636. These publications and other manure management information are available at the Manure Education and Research home page at <http://www.bae.umn.edu/extens/manure/manure.html>

### Rotational Grazing

***Controlled Grazing Guidelines.*** 1991. Carl Fredericks. Wisconsin Department of Agriculture.

Eight pages on pasture management, free from the Wisconsin Department of Agriculture. Call Jane Larson, 608-273-6408.

***Grass-Based and Seasonal Dairying.*** 1996. Alice E. Beetz. Appropriate Technology Transfer for Rural Areas (ATTRA).

A free booklet from ATTRA. Call 800-346-9140, or see their web site at <http://www.attra.org>

***Knee Deep in Grass: A survey of twenty-nine grazing operations in Minnesota.*** 1996. B. Loeffler, D. Johnson, E. Fuller. Minnesota Institute for Sustainable Agriculture and University of Minnesota Extension Service (BU-6693).

Offers detailed descriptions of dairy grazing operations and their effect on farm families, labor needs, production and business management. Contact the Distribution Center at 612-625-8173 or 1-800-876-8636 or on the Web at <http://www.extension.umn.edu>.

***Managed Grazing*** (Video). 1995. Jim Russell and others. Iowa State University.

A five-tape series demonstrating improved grazing practices in the Midwest. From the Iowa State University Department of Animal Science. Call Barb Magnuson, 515-294-2240.

***Pastures for Profit: A Guide to Rotational Grazing.*** 1993. University of Wisconsin.

Provides basic information about setting up rotational grazing on the farm. Available from the University of Minnesota Extension Service (FO-6145) at 612-625-8173 or 1-800-876-8636; or from University of Wisconsin Cooperative Extension Publications (A3529) at 608-262-3346.

***Pasture Talk Magazine.***

A publication dedicated to grazing published by Greenbull Press, P.O. Box 620732, Middleton, WI 53562.