

## Managing Nutrients And Pathogens From Animal Agriculture Proceedings Now Available

ITHACA, N.Y. — Managing Nutrients and Pathogens from Animal Agriculture, NRAES-130 (\$30.00 plus S&H/sales tax; 508 pages; March 2000), documents recent research, field experience, and government response concerning the interaction of animal agriculture and the environment in eastern North America.

The proceedings from "Managing Nutrients and Pathogens from Animal Agriculture: A Conference for Nutrient Management Consultants, Extension Educators, and Producer Advisors," held March 28-30, 2000, in Camp Hill, Pennsylvania, the publication includes 36 papers divided among eleven topic areas. Authors include experts from the land grant universities, the Agricultural Research Service (ARS), the Natural Resource Conservation Service (NRCS), the EPA, and the private sector.

Two introductory papers consider nutrients and water quality and sources of nutrients in the nation's watersheds. The three articles in the following section discuss aspects of animal agriculture and nutrients. Papers in the third section consider EPA and NRCS goals in nutrient

management. The two following papers discuss ag-related waterborne pathogens and sources of pathogens in a watershed.

Five papers focus on manure management practices. Papers in the following section discuss feed management to reduce excess nutrients in poultry, swine, and dairy production. The next two papers consider the fate of land-applied nutrients and pathogens. Three papers are devoted to the Phosphorus Index, and the following two sections include papers on aspects of land application and site management.

The final four papers discuss nutrient management plans for poultry, swine, and dairy operations. A complete table of contents listing paper titles and authors can be found on the NRAES web site (see the address below).

Managing Nutrients and Pathogens from Animal Agriculture, NRAES-130, is available for \$30.00 per copy, plus shipping and handling and sales tax, from NRAES, Cooperative Extension, 152-Riley-Robb Hall, Ithaca, NY 14853-5701. Shipping and handling for a single copy is \$5.50 within the continental United States. New York

State residents add eight percent sales tax (calculated on both the cost of publications and shipping and handling charges).

If ordering more than one book or if ordering from outside the United States, contact

NRAES for shipping rates. Orders from outside the United States must be prepared in U.S. funds. All major credit cards are accepted, and checks should be made payable to NRAES. For more information or a free copy

of our publications catalog, contact NRAES by phone at (607) 255-7654, by fax at (607) 254-8770, or by e-mail at NRAES@CORNELLE.EDU. Or visit our Web site at WWW.NRAES.ORG.

## Northeast SARE Announces 2000 Research, Education Grant Awards

BURLINGTON, Vt. — The Northeast Region Sustainable Agriculture Research and Education (SARE) Program has awarded \$1.69 million to 16 research, education, and professional development projects that will promote profitable and environmentally sound farming practices.

As in the past, SARE's 2000 projects are quite diverse, including topics such as alternative pest management for horticultural crops, market-oriented beef and sheep production, and efforts to spur consumer demand for local products.

"The common thread through all these projects is a focus on delivering practical information producers can use to improve

profitability, stewardship of natural resources, and quality of life," said Fred Magdoff, coordinator of the Northeast SARE Program.

This year was one of the most competitive ever for Northeast SARE. The 16 projects were selected from 84 proposals by diverse panels of researchers, educators, extension staff, farmers, and representatives of non-profits, government, and agribusiness.

Northeast SARE awarded about \$1.26 million to 11 research and education projects. Among them are three innovative livestock projects that will address key barriers to sustainable beef, sheep, and dairy production. These projects were selected through a special initia-

tive emphasizing farm-level impact.

"We are expanding this approach to the entire Northeast SARE Program," said Magdoff. "By emphasizing concrete and verifiable impacts, we will assure that projects are even more relevant to producers' needs."

Also funded this year are several projects that will advance alternative and biologically based management approaches for apple, cranberry, and vegetable production systems, and a group of market-oriented projects aimed at connecting producers directly with consumers, institutions, and restaurants.

Additionally, Northeast SARE awarded \$434,105 to five professional development projects. These projects will educate cooperative extension staff and other farm advisors on pasture-based livestock systems, agricultural easements, agriforestry, organic grain production, and the needs of small farmers in the region.

got manure?

### Used/Rental Liquid Manure Equipment

#### SPREADERS

2000 Houle 3,850 Gal. w/23.1x26, Brakes, Lights, 1/4" Steel, Rental Unit..... **CALL**  
 (2) Houle 6,300 Gal. w/28Lx26, Brakes, Lights, Etc. Both Are Rental Units..... **Call For More Info**  
 Balzer 3350 Vacuum..... **\$15,900**  
 Better Built 1100 gal. Vacuum..... **\$1,750**  
 DeLaval 3,000 gal., Good Shape..... **\$3,253**  
 1998 Knight 8024, 19Lx16.1 Tires, Needs Some Work..... **\$7,450**

#### PUMPS

(2) Houle Maxi Pumps, 28"..... **CALL**  
 Houle Irrigation Pumps, on trailers, hyd. primers..... **CALL**  
 Houle 32' and 42' Agi Pumps..... **\$7,500 to \$10,000**  
 1998 Houle 8/12' Super Pump, Rental Unit..... **\$6,950**  
 Husky 40' Lagoon Pump, Good Condition..... **\$5,000**

#### MISCELLANEOUS

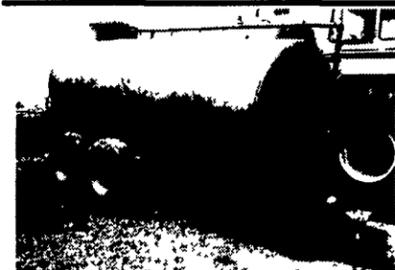
Rubber Tire Scrapers, 3 pt. & Skid Steer; Also Push Blades  
 (2) CADMAN 2625 Hard Hose Reels..... **CALL**

Check Our Website For Updated Equipment  
[www.MidAtlanticAgri.com](http://www.MidAtlanticAgri.com)

### This Week's Special



**WIC 4,000 Gal.**  
 w/50x21.20 Airplane Tires,  
 Tank Needs Some Patching  
**\$5,250**



Badger 1500 Gal. Vacuum Tank, 10.00x15 Tires, Tank Solid... **\$1,975**



Long 1560 Irrigation Reel, 3-3/4" x 1200' Hose, Engine Drive, Manure or Water..... **\$7,175**



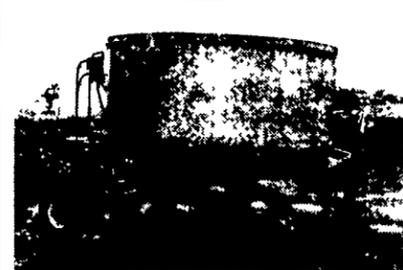
New Idea Model 3222 with Lid, Excellent Shape, 16.5x16.5 Tires..... **\$10,950 Compare to New Price!**



WIC 3600 Gal. 21.5x16.1 Tires, Needs Paint but Tank is Solid. **\$3,350**



DM Mack 4,500 Gal. Tank, Ready To Work..... **CALL**



Kidd 6-10 Bale Chopper, Works in Dry Hay or Straw..... **\$4,950**

Top Volume

**HOULE**

Dealer  
 In North America

4019 Ashville Rd.,  
 Quarryville, PA 17566  
 800-222-2948 • 717-529-2782

MID-ATLANTIC

**agri**systems



### GR-5 Bolts .99#!



**Holtwood Supply**  
 1010 Susquehannock Drive  
 Holtwood, PA 17532  
 (717) 284-0883

### INSULATION

Featuring  
**TRI-PLY**  
**CEILINGS**



Great for Shops & Ag Buildings  
 • Low Cost • Sound Reduction  
 • Durable

Also -

**Blown Ceiling Insulating**  
**Wall Insulation**

Cellulose Wall Spray  
 or Fiberglass Batts

Call for **FREE** Estimates

**WEAVER INSULATORS**

Myerstown, PA

717-866-8942 800-887-8818  
 Martinsburg, PA 814-793-3936

Alley Scrapers • Barn Cleaners • Piston Pumps • Separators • Tank Spreaders • Transfer Pumps • Irrigation Pumps • Agitators • Flush Valves • Flush Pumps

Alley Scrapers • Barn Cleaners • Piston Pumps • Separators • Lagoon and Pit Pumps • Tank Spreaders • Transfer Pumps • Irrigation Pumps • Agitators • Flush Valves • Flush Pumps