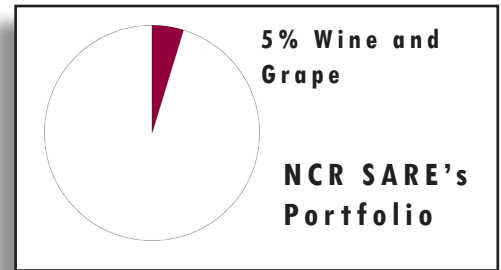


Wine and Grape Production

From organic grape production to the integration of sheep grazing in vineyards, NCR-SARE-funded research is helping vintners and farmers across the region use sustainable practices to battle pests, tap into lucrative markets, and increase yields. Five percent of NCR-SARE's 20-year research portfolio has been devoted to growing grapes and/or producing wine in ways that boost profits, protect the land, and strengthen communities.

NCR SARE Project Sampler

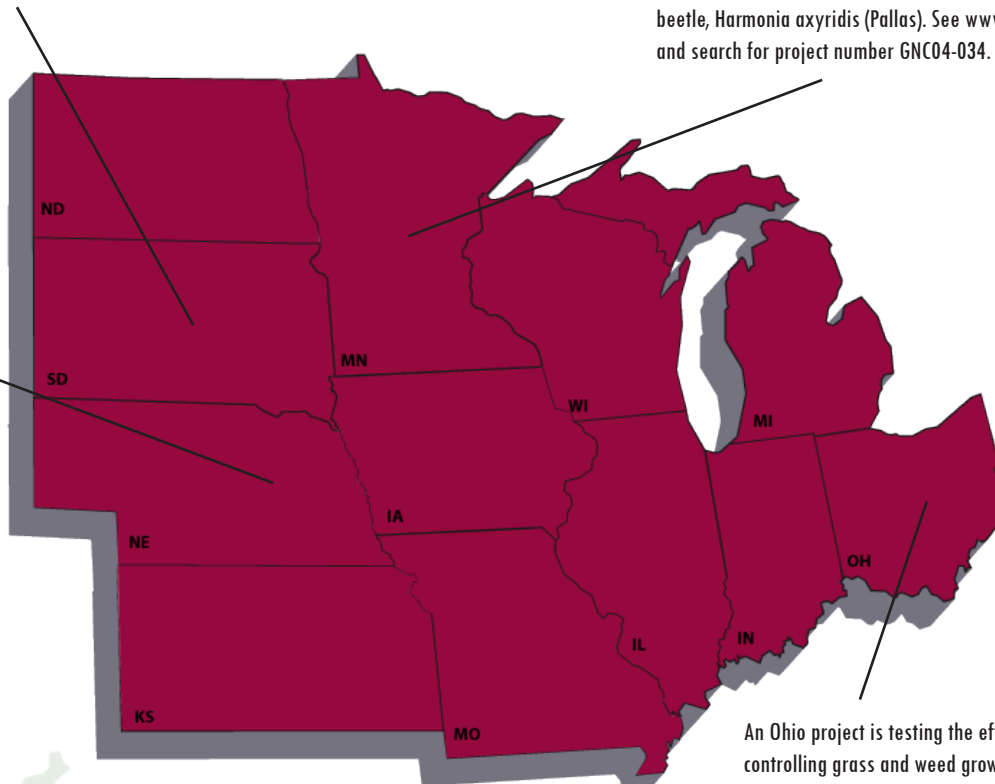
To view SARE's entire wine and grape production portfolio, or just the North Central Region's, visit www.sare.org/projects. For selected NCR wine and grape grants, see the reverse side.



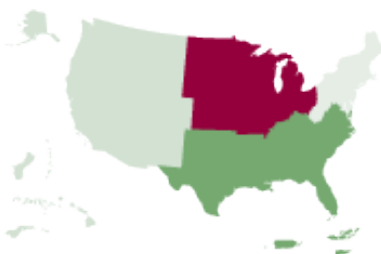
In South Dakota, Tucker's Walk Vineyard is investigating Marquette grapes and other cold-hardy varieties in several local soil types that have been carefully mapped. They are using instrumentation that measures and tracks soil moisture and climate conditions, and will monitor foliage using petiole analysis. See www.sare.org/projects and search for project number FNC07-666.

Graduate students in Minnesota discovered a combination of a sampling plan and the use of effective insecticides for the sustainable management of the multicolored Asian lady beetle, *Harmonia axyridis* (Pallas). See www.sare.org/projects and search for project number GNC04-034.

Despite conventional wisdom, a 2003 project at Nissen Brothers Vineyards in Nebraska demonstrated that sulfur could be a part of a vineyard's spray program and could be a significant player in an organically certified fungicide program for Frontenac, LaCrosse, St. Pepin, De Chaunac, Foch, Traminette, and St. Vincent grapes throughout the growing season. See www.sare.org/projects and search for project number FNC03-445.



An Ohio project is testing the effectiveness of controlling grass and weed growth in Midwestern vineyards with managed, rotational grazing of Olde English Babydoll Sheep. See www.sare.org/projects and search for project number FNC07-648.



– NCR SARE's Wine and Grape Portfolio

Selected Grants

Using a Vertical Shoot Position Trellis and Micro-Nutrients to Reduce Labor and Increase Fruit Set

Tim Gieseke, New Ulm MN, FNC03-478, \$2,502

Feasibility of Grapes as a Sustainable Crop in Northwest Iowa

Steven King, Greenville IA, FNC02-392, \$5,982

Eastern European Wine Grape Varieties for Commercial Use in the Upper Midwest: Evaluation of Viticultural Characteristics in a Test Vineyard

Paul Tabor, Tabor Home Vineyards and Winery, Jackson County Iowa, FNC02-431, \$5,520

Organic Grape Production

Tim Nissen, Nissen Brothers Vineyards, Hartington NE, FNC03-445, \$5,984

Organic Control of Fungus in Vineyards, Eliminating Chemical Sprays

Steve Pearce, Ohio River Vista Vineyard and Research Station, Cincinnati OH, FNC06-608, \$6,000

Expansion of Grape Production

Marchell Baehr, Rolling Hills Vineyard, New Salem IL, FNC98-237, \$4,940

Sustainable Viticulture for Midwestern Fruit Growers

Gene Sigel, Chalet Debonne Vineyards, Madison OH, FNC98-241, \$5,000

Integration of Intensive Sheep Grazing with a Vineyard/Orchard Operation

Michael Burke, Erhard MN, FNC99-267, \$5,000

Jacksonville Vineyard

Steve Crabtree, Jacksonville Vineyard, Vevay IN, FNC99-271, \$3,432

Trio Cropping Demonstration - Grapes, Sweet Corn, Poultry

Jeff and Greg Kuntz, Sigourney, Iowa, FNC02-433, \$2,800

An Evaluation of Interplanted / Mulched Orchard Rows

David Sliwa, Sliwa Meadow Farm, Decorah IA, FNC01-343, \$4,751

Sustainable Concrete Post Construction for Fencing and Trellising of Organic Crops

Steve Pearce, Cincinnati OH, FNC07-684, \$4,300

Microbial Inoculant Treatments as an Alternative Spray for Disease Control that Reduces the Toxicity and Use of Copper in Organic and Sustainable Viticulture

Patricia Iubelt, Maple Ridge Vineyards, Madison WI, FNC03-467, \$17,102

Non-traditional Vineyard Canopy Management for Increased Crop Yield and Improved Fruit Quality

Steve Pearce, Ohio River Vista Vineyard and Research Station, Columbus OH, FNC08-743

Designing and Validating Plant Communities/Cropping Systems for Multiple Benefits

Paula Westmoreland, Ecological Gardens LLC, Minneapolis MN, FNC04-506, \$13,733

From Beneficial Insect to Economic Pest: a Sustainable Management to the Asian Lady Beetle in Midwestern Grapes

Tederson Galvan, University of Minnesota, Saint Paul MN, GNC04-034, \$9,633

Effects of Eastern South Dakota Soils and Climate on Sustainable Production of Cold Hardy Grape Varieties

Dave Greenlee, Tucker's Walk Vineyard, Garretson SD, FNC07-666, \$5,990

Improving Vineyard Grass and Weed Control through the Incorporation of Babydoll Sheep

Colleen Gerke, Platte City MO, FNC07-648, \$3,736

Grapevine Bird Damage Control

Norman Jennings, Salina KS, FNC07-646, \$6,000

Feasibility of Grapes as a Sustainable Crop in Northwest Iowa

Steven King, Greenville IA, FNC02-392, \$5,982

Comparing Organic and Conventional Fertilization Methods for Cut Flower Production in Haygrove High Tunnels

Katherine Stolp, Kansas State University, Manhattan KS, GNC04-040, \$10,000

For information on many more SARE-funded wine and grape production projects (1988-2008), search the SARE project database: www.sare.org/projects

This publication was made with funding by USDA's Cooperative State Research, Education and Extension Service.

