

Permaculture

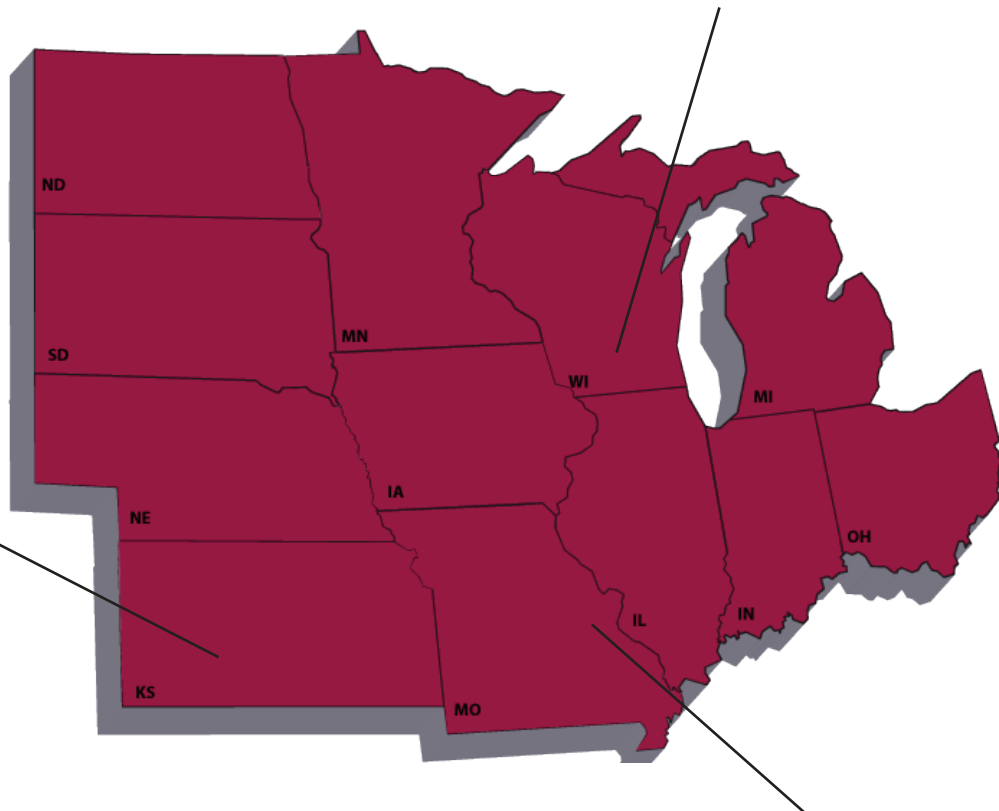
Permaculture practitioners strive to build sustainable and self-sufficient agricultural ecosystems that are modelled after natural ecosystems. Permaculture can include concepts such as agroforestry, silvopasture, no-till, rainwater harvesting, mulching, managed intensive rotational grazing, and keyline design. NCR-SARE has supported work in permaculture as practitioners explore biodiverse agricultural ecosystems that sustain both themselves and their stewards.

NCR-SARE Project Sampler

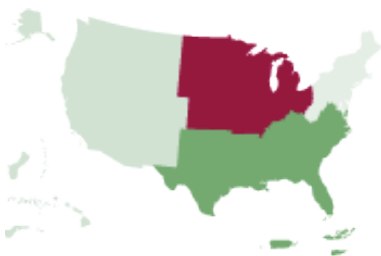
To view SARE's entire permaculture portfolio, or just the North Central region's, visit <https://projects.sare.org>. For selected NCR permaculture grants, see the reverse side.

The Center for Integrated Agricultural Systems in Wisconsin provided farmers with a "Fruit and Nut Compass" that aims to help diversified farms become more socially, environmentally, and economically sustainable. See <https://projects.sare.org> and search for project number LNC16-376.

A producer developed farm training sites for small farmers to learn more about permaculture principles in Kansas. See <https://projects.sare.org> and search for project number FNC09-793.



EarthDance Farm received SARE support to increase the effectiveness of their whole-farm approach to pest management, and taught beginning farmers permaculture-related IPM techniques such as floral farmscaping and the use of insect netting to reduce dependence on organic pesticide. See <https://projects.sare.org> and search for project number FNC17-1083.



SARE's four regional programs and outreach office work to advance – to the whole of American agriculture – innovations that improve profitability, stewardship and quality of life by investing in ground-breaking research and education.

NCR-SARE's Permaculture Portfolio

Selected Grants

FARMER AND RANCHER GRANTS

Farmscaping and Permaculture IPM at an Organic Farm School

Rachel Levi, EarthDance, Michigan, FNC17-1083, \$7,500

Topographical Contour Measurement and Water Management Earthworks for Ecologically Restorative Edible Silvopasture Planting

Jess Bernstein, Wonderfarm, Wisconsin, FNC17-1109, \$7,403

Growing a Pear Orchard at an Organic Farm School to Increase Supply and Demand for Organic Tree Fruit in St. Louis, MO

Rachel Levi, EarthDance, Missouri, FNC14-970, \$7,500

Renovation and Ecological Management of Neglected Apple Orchards in Southeast Michigan

Trevor Newman, Roots to Fruits, Michigan, FNC13-923, \$7,466

Direct Marketing Non-Traditional Perennial Berry Varieties: Expanding Eater Preferences and Grower Connections

Clare Hintz, Elsewhere Farm, Wisconsin, FNC12-864, \$17,530

Sustainable Agriculture Education and Practicum for Kansas Small Farmers and Ranchers Using Permaculture Principles of Ecological Systems Design and Management

Steve Moring, Vajra Farm, Kansas, FNC09-793, \$17,976

Demonstrating Higher Yields and Market Opportunities of Mixed Annual and Perennial Intensive Planting in Appalachian Ohio

Michelle Ajamian, Ohio, FNC09-774, \$5,909

RESEARCH AND EDUCATION GRANTS

The Fruit and Nut Compass: Developing a Tool and Guiding Principles for Diversified Farms

Michael Bell, University of Wisconsin, Wisconsin, LNC16-376, \$199,246

GRADUATE STUDENT GRANTS

Biodiversity Effects on Soil Carbon Grain in Annual and Perennial Cropping Systems

Christine Sprunger, Michigan State University, Michigan, GNC14-196, \$6,382

Assessing Nitrogen and Carbon Pools in a Perennial Biomass Alley Cropping System in Minnesota, U.S.A.

Joshua Gamble, University of Minnesota, Minnesota, GNC13-169, \$9,719

A Comparative Profitability Assessment of Perennial Bioenergy Crops Grown in Missouri

Joseph Dolginow, University of Missouri, Missouri, GNC12-155, \$9,999

PARTNERSHIP GRANTS

Evaluating and Sharing Techniques in Silvopasture Establishment

Keefe Keeley, Savanna Institute, Wisconsin, ONC16-017, \$29,951

Updated 2018

For information on more SARE-funded permaculture projects search the SARE projects database: <https://projects.sare.org>.



This product was developed with support from the Sustainable Agriculture Research and Education (SARE) program, which is funded by the U.S. Department of Agriculture — National Institute of Food and Agriculture (USDA-NIFA). Any opinions, findings, conclusions or recommendations expressed within do not necessarily reflect the view of the SARE program or the U.S. Department of Agriculture. USDA is an equal opportunity provider and employer.