

## What is SARE?

Since 1988, the Sustainable Agriculture Research & Education (SARE) program has been the go-to USDA grants and outreach program for farmers, ranchers, researchers and educators who want to develop innovations that improve farm profitability, protect water and land, and revitalize communities. To date, SARE has awarded over \$389 million to more than 8,542 initiatives.

### SARE is grassroots with far-reaching impact

Four regional councils of expert practitioners set priorities and make grants in every state and island protectorate.

### SARE communicates results

SARE shares project results by requiring grantees to conduct outreach and grower engagement; and by maintaining an online library of practical publications, grantee-produced information products and other educational materials.



[www.sare.org](http://www.sare.org)

## SARE: Advancing the Frontier of Sustainable Agriculture in...

# Nebraska

### Project Highlight: *Replacing Summer Fallow with Grain-type Field Peas in Semiarid Cropping Systems*

As farmers in western Nebraska face higher cash rents and property taxes, many want a more profitable, sustainable alternative to fallow for crop rotation. Strahinja Stepanovic, a University of Nebraska Lincoln Extension educator, received a SARE grant to find suitable crops for the mix.

Some farmers in the High Plains have begun to use spring-planted pulse crops as an alternative to summer fallow. Pulse crops are legumes harvested for their beans and include chickpeas, lentils, and field peas. Replacing fallow with a pulse crop can help farmers cope with the weather- and market-related fluctuations by improving soil health and diversifying the crop mix. However, while many farmers in Nebraska are interested in pulse crops, they have been reluctant to adopt them due to a lack of local markets and research-based information on growing pulses in local conditions.

With support from SARE, University of Nebraska-Lincoln (UNL) Extension educator Strahinja Stepanovic organized a team of researchers and farmers to develop agronomic best practices for growing field peas and spur farmer adoption. Stepanovic notes that before 2013, farmers raised only 10,000–20,000 acres of field peas in the Nebraska Panhandle. Between 2014 and 2018, as farmers became familiar with peas through research and outreach efforts by Stepanovic and others, acreage grew to 70,000 and spread into central and eastern Nebraska. Production is slated to continue to expand.

Depending on the year, farmers may report gains of \$50 per acre. That is a significant improvement compared to \$40–\$90 per-acre expenses associated with spraying herbicides to control weeds in fallow. There are three pea processors in Nebraska and about eight seed companies, so getting good quality seed and marketing is much easier now.

For more information on this project, see [sare.org/projects](http://sare.org/projects), and search for project number [ONC16-021](#).

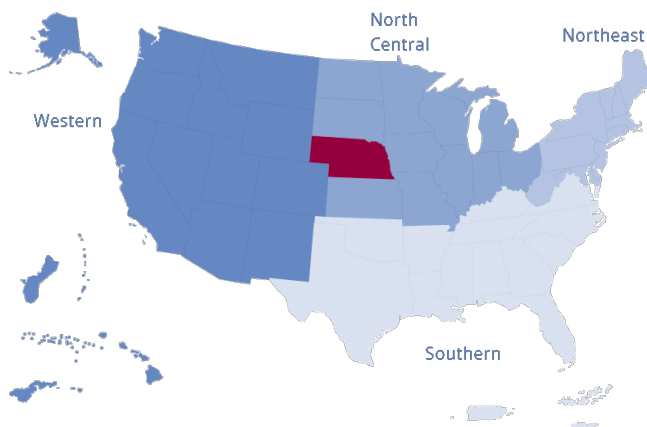
## SARE in Nebraska

[northcentral.sare.org/state-programs/nebraska](http://northcentral.sare.org/state-programs/nebraska)

**\$7,571,791**  
in total funding

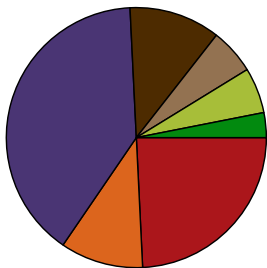
**194 grant projects**  
(since 1988)

For a complete list of grant projects state by state, go to [www.sare.org/state-summaries](http://www.sare.org/state-summaries)



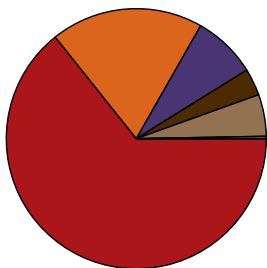
# SARE Grants in Nebraska

Total awards: 194 grants



47 Research and Education  
 20 Professional Development Program  
 77 Farmer/Rancher  
 22 Graduate Student  
 11 On Farm  
 Research/Partnership  
 11 Youth Educator  
 6 Youth

Total funding: \$7,571,791



\$4,867,445 Research and Education  
 \$1,435,818 Professional Development Program  
 \$598,428 Farmer/Rancher  
 \$254,385 Graduate Student  
 \$393,382 On Farm  
 Research/Partnership  
 \$20,346 Youth Educator  
 \$1,988 Youth

Find a complete list of projects on page 3.

# SARE's Impact



53 percent

of producers report using a new production technique after reading a SARE publication.

79 percent

of producers said they improved soil quality through their SARE project.

64 percent

of producers said their SARE project helped them achieve higher sales.

Learn about local impacts at:

[northcentral.sare.org/state-programs/nebraska](http://northcentral.sare.org/state-programs/nebraska)

## Contact Your SARE State Coordinator

SARE sustainable ag coordinators run state-level educational programs for Extension and other ag professionals, and many help grant applicants and recipients with planning and outreach. Visit [northcentral.sare.org/state-pages/nebraska](http://northcentral.sare.org/state-pages/nebraska) to learn more.

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For detailed information on SARE projects, go to [www.SARE.org](http://www.SARE.org)

SARE is funded by the USDA's National Institute of Food and Agriculture (NIFA).

This report includes summaries of competitive grant programs only. Some competitive grant programs that are no longer offered may be included or excluded from the totals in this report depending on the grant program and SARE region.



# AGRICULTURE PROJECTS FUNDED IN NEBRASKA

by USDA's  
**Sustainable Agriculture Research and Education (SARE) Program**

Nebraska has been awarded \$7,571,791 grants to support 192 projects, including but not limited to, 45 research and/or education projects, 20 professional development projects and 77 producer-led projects. Nebraska has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
LNC23-483	Meeting needs at the margins: Building networks to support "missed" land stewards	\$249,284	Dr.Andrea Basche University of Nebraska-Lincoln
LNC23-484	How much water can be saved, or cash crop yield can be gained by continuous use of cover crops in West Central Nebraska cropping systems?	\$249,828	Dr.Nicolas Cafaro La Menza University of Nebraska-West Central Research Extension and Education Center
LNC22-461	Marketing & Business Skills for Beginning, Refugee, & Immigrant Farmers in Lincoln, Nebraska	\$72,446	Amy Gerdes Community Crops
LNC21-450	Assessing tradeoffs of grassland management approaches with collaborative adaptive management	\$247,011	Dr.Craig Allen Center for Resilience in Agricultural Working Landscapes
LNC21-451	The Effects of Wheat Stem Characteristics and Wheat Stem Sawfly Infestation on Yield, Residue Longevity, Soil Water, and Soil Health	\$250,000	Cody Creech Department of Agronomy & Horticulture, University of Nebraska-Lincoln
LNC19-418	Cow/calf Production with Limited Perennial Grass: Capitalizing on Opportunities to Integrate Cropping and Cattle Systems	\$199,642	Dr.Mary Drewnoski University of Nebraska Lincoln
LNC17-396	Honey Bees on the Farm: Connecting Women Beekeepers and Women Farmers for Environmental and Economic Benefit	\$200,000	Sandra Renner Center for Rural Affairs Wyatt Fraas Center for Rural Affairs
LNC16-385	Rotational Benefits and Agronomic Evaluation of Field Pea in Cereal- based Cropping Systems	\$200,000	Cody Creech Department of Agronomy & Horticulture, University of Nebraska-Lincoln
LNC15-366	Does Grazing or Harvesting of Cover Crops Affect Soils and Crop Production? Assessment in Different Soil Types and Management Scenarios	\$199,974	Dr.Humberto Blanco University of Nebraska
LNC13-354	Understanding the Impacts of Grazing and Baling Corn Residue on Subsequent Crop Yields Across Various Soil Types with Different Erosion Potential	\$199,059	Dr.Rick Rasby University of Nebraska
LNC11-333	Growing Farmers Training Program	\$164,676	Ingrid Kirst Community CROPS

LNC07-286	Immigrant Sustainable Farming Pilot Project	\$75,303	Ingrid Kirst Community CROPS
LNC05-261	High Value Enterprises for Small Spaces:Accelerating Commercialization and Integration of Woody Florals and Hybrid Hazelnuts in Sustainable Systems	\$149,997	Scott Josiah Nebraska Forest Service Troy Pabst Nebraska Forest Service
LNC03-222	Producer Driven Education to Improve Bio-Diversity in Semi-arid and High-Plains Cropping Systems	\$141,000	Gary Hergert University of Nebraska-Lincoln David Baltensperger University of Nebraska
LNC03-223	Providing Farmers the Technology Required to Efficiently Breed Corn Varieties Specifically Adapted to Alternative Cropping Systems	\$134,400	W Ken Russell University of Nebraska
LNC03-235	Winter Wheat Blends as a Potential Method of Enhancing Genetic Diversity, Pest Tolerance, and Yield Stability, thus reducing Farmer Risk	\$126,000	Lenis Nelson University of Nebraska
LNC02-206	Use of Livestock, Forage, and Labor Resources in Beef Production Systems to Reduce Production Costs, Increase Profitability, and Reduce Use of Fossil Fuels	\$92,789	Richard Clark University of Nebraska-Lincoln Don Adams University of Nebraska, West Central Research and Extension Center
LNC01-185	Evaluation of Impacts of SARE Research/Education, PDP, and Producer Grants	\$49,000	Charles Francis Grain Place Foundation
LNC01-197	Evaluating Agroforestry Enterprise Opportunities for Specialty Forest Products: Decision Tools for Producers	\$99,308	Scott Josiah Nebraska Forest Service
LNC00-165	Nebraska Community Food Network	\$81,940	Paul Rohrbaugh Nebraska Sustainable Agriculture Society
LNC99-148	Agricultural Enterprise Development at Nebraska Indian Community College	\$94,207	Schuyler Houser Nebraska Indian Community College
LNC99-156	Effect of organic amendments (manure, compost, green manure) on soil quality and nutrient cycling in the North Central Region	\$52,360	Jürg Blumenthal Univ. of Nebraska
LNC98-135	Annual Forages for Integrated Crop and Livestock Systems	\$52,000	Burt Weichenthal Panhandle Research and Extension Center, University of Nebraska
LNC98-144	Alternative Systems for Livestock in Nebraska	\$98,200	Wyatt Fraas Center for Rural Affairs
LNC97-104	Farmer-Designed Research on the Use of Legumes in Sustainable Dryland Cropping Systems	\$91,000	David Baltensperger University of Nebraska
LNC97-119	Improving Sustainability of Cow-Calf Operations with Natural Forage Systems	\$81,000	Don Adams University of Nebraska, West Central Research and Extension Center
LNC96-094	Increasing Rural Women's Leadership in Sustainable Agriculture and Community Development	\$62,820	Cris Carusi Nebraska Sustainable Ag Society

LNC96-096	Biologically Intensive Pest Management of Greenbugs, Schizaphis Graminum (Rondani), on Grain Sorghum	\$64,800	Z. B. Mayo Dept of Entomology, University of Nebraska
LNC95-081	Nebraska Ag IMPACT Project	\$106,254	Wyatt Fraas Center for Rural Affairs
LNC94-063	Estimation of Reduced Machinery Ownership Costs in Diversified Cropping Systems	\$29,544	Glenn Helmers Dept of Agricultural Economics, University of Nebraska
LNC94-065	Quality of Life Effects of Conventional, Transitional, and Sustainable Production Systems of Rural Communities and Family Farms in the Western Corn Belt	\$37,786	John Allen University of Nebraska-Lincoln
LNC94-073	Comparing Farming Systems with Different Strategies and Input Levels: A Research/Education Program with Replicated Micro-Farms	\$119,054	Charles Francis Grain Place Foundation Richard Olson U. of NE-Lincoln, Ctr. for Sustainable Ag. Systems
LNC94-074	Improving Sustainability of Cow/Calf Operations with Natural Forage Systems	\$82,000	Don Adams University of Nebraska, West Central Research and Extension Center
LNC93-054	Low-Input Beef Cattle Systems of Production	\$70,686	Terry Klopfenstein University of Nebraska-Lincoln
LNC93-059	Beginning Farmer Sustainable Agriculture Project	\$109,000	Wyatt Fraas Center for Rural Affairs
LNC93-060	Sustainable Agriculture Mentor Program	\$77,000	Timothy Powell University of Nebraska
LNC92-043	Regional Extension and Education Curricular Materials for Sustainable Agriculture: A Planning Conference	\$34,081	Jim King University of Nebraska-Lincoln
LNC92-046	Contour Strip Intercropping and Rotations to Reduce Soil Erosion and Energy Costs in Production Systems	\$90,000	Charles Francis Grain Place Foundation
LNC91-014.3	Beginning Farmer Sustainable Agriculture Project	\$91,700	Larry Kreil Center for Rural Affairs
LNC90-014.2	Beginning Farmer Sustainable Agriculture Project	\$29,868	Ron Krupicka Center for Rural Affairs
LNC89-014.1	Beginning Farmer Sustainable Agriculture Project	\$26,280	Ron Krupicka Center for Rural Affairs
LNC89-019.1	Low-Input Beef Cattle Systems of Production	\$76,000	Terry Klopfenstein University of Nebraska-Lincoln
LNC88-004	Sustainable Low-Input Agriculture: An Overview Videotape	\$16,800	Charles Francis Grain Place Foundation
LNC88-014	On-Farm Experimentation with Practical Low-Cost Alternative for Including Livestock in Sustainable Farming Systems	\$16,848	Ron Krupicka Center for Rural Affairs

LNC88-019	Low-Input Beef Cattle Systems of Production	\$76,500	Terry Klopfenstein University of Nebraska-Lincoln
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**PROFESSIONAL DEVELOPMENT PROGRAM GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE Support</b>	<b>Project Leaders</b>
ENC23-228	Beyond the Data: skills for moving sustainable agriculture knowledge to action.	\$23,700	Barbara Rock University of Nebraska
ENC18-173	Facilitating "Win-Win" Manure Utilization for Sustained Soil Health, Economic and Environmental Benefits	\$74,905	Dr.Amy Schmidt University of Nebraska-Lincoln Rick Koelsch University of Nebraska
ENC12-133	Indigenous Cultivar and Wildcrafting Curriculum	\$75,000	Brigid Quinn
ENC11-126	The Role of Drought Preparedness in Improving the Sustainability of Great Plains Ranches	\$56,366	Tonya Haigh National Drought Mitigation Center
ENC10-116	Sustainable Agriculture Learning Modules for High School Agriculture	\$54,918	Shannon Moncure University of Nebraska-Lincoln Charles Francis Grain Place Foundation
ENC09-109	Business Feasibility, Marketing, and On-line Direct Marketing; In-depth Training to Better Serve Sustainable Agriculture Business	\$73,984	Cheryl Burkhart-Kriesel University of Nebraska-Lincoln
ENC09-113	Organic Conservation Program Training for NRCS and Extension	\$75,000	Kathie Starkweather Center for Rural Affairs
ENC08-103	Technology Transfer for the Burgeoning Midwest Grape Industry	\$68,828	Paul Read University of Nebraska
ENC07-096	Storage and Utilization of Ethanol Co-Products By Small Cattle Operations	\$44,370	Francis Hay University of Nebraska-Lincoln
ENC06-092	Training for Organic Farming and Ranching in the Great Plains	\$75,000	Charles Francis Grain Place Foundation Shannon Moncure University of Nebraska-Lincoln
ENC04-076	Reaping the Rewards of Our SARE investment: The Multi-State Farmer Linkage Program	\$24,754	Elaine Cranford Nebraska Cooperative Development Center
ENC00-053	Whole Farm Planning for Sustainable Systems	\$67,378	Paul Swanson University of Nebraska
ENC00-054	Specialty Forestry Products Professional Development	\$35,631	Susan Wirth National Arbor Day Foundation
ENC99-039	Building Sustainability through Ag Entrepreneurism	\$48,946	Connie Hancock University of Nebraska, Panhandle Research Extension
ENC99-043	Sustainable Agriculture Marketing Education for Nebraska	\$42,968	Cris Carusi Nebraska Sustainable Ag Society
ENC97-001.2	North Central Sustainable Agriculture Training Program	\$99,000	Charles Francis Grain Place Foundation

ENC96-001.1	North Central Sustainable Agriculture Training Program	\$99,000	Charles Francis Grain Place Foundation
ENC96-015	Strengthening the Whole-Farm Planning Process through Producer-Agent Partnerships and Professional Development	\$75,000	Jill Wubben NSAS
ENC95-006	Increasing Trainer Literacy in Sustainable Agriculture	\$10,000	Charles Francis Grain Place Foundation
ENC94-001	North Central Sustainable Agriculture Training Program	\$311,070	Charles Francis Grain Place Foundation

#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
FNC23-1373	Demonstrating the Feasibility of Producing Culturally Preferred Vegetable Crops in Underrepresented Urban Areas	\$14,690	Aaron French City Sprouts
FNC23-1391	Feeding Kernza® screenings to broiler chickens	\$7,655	Malaina Schlautman Malaina Schlautman
FNC22-1317	Incorporating a fodder system on a small-scale livestock farm to test the economic viability of reducing winter feed costs for hogs and cattle.	\$14,307	William Alward Little Mountain Ranch and Garden LLC.
FNC22-1345	Microalgae application as a soil amendment to improve soil health, crop production, and water management	\$29,586	Alex Peterson RJPage CO
FNC22-1354	Accelerating Soil Health and Farm Profitability using Biological Amendments	\$29,864	Jeff Steffen Jeff Steffen
FNC21-1284	The Effect of Management Intensive Grazing on Carrying Capacity in a Commercial Cow-Calf Operation Located in South Central Nebraska	\$8,997	William Korinek BarWD Ranch Company
FNC20-1226	Building a Custom Trailer to Increase Market Exposure, Profitability, and Educational Outreach for Urban Produce and Free-Range Egg Farmers	\$8,998	David Keber Omaha's High Ground: A Healthy Market Garden
FNC20-1253	Sustainable Silvopasture Hog Production Compared to Drylot System	\$9,000	Raymond Hain Grain Place Foundation
FNC19-1156	Planting a Profitable Pollinator Habitat with Native Nebraska Plants	\$2,965	Mark Brannen Benson Bounty LLC
FNC19-1198	Understanding effects of mealworm frass on downy mildew and Japanese beetles in hops production	\$27,000	Kris Vrooman Jord Producers
FNC18-1151	New American Urban Farm Program	\$15,000	Brandy Gustoff OHB Scott Yahnke Omaha Home for Boys

FNC17-1100	Improving Nitrogen Use Efficiency in Sustainable Corn Production Through Use of Remote Sensors to Direct Site-specific Nitrogen Application	\$15,000	Debra Stevens Stevens Farms
FNC16-1027	Comparison of Biological Solution, Sea Minerals, or Combination of Both on Pasture Production	\$7,500	Karen Bredthauer Straight Arrow Bison Ranch
FNC15-1012	Improving Wetlands Using Holistic Grazing of Dairy Cattle and Low Impact Crossings	\$7,216	Crystal Powers Darby Springs Farm
FNC15-993	Spent Mushroom Substrate as Fertilizer	\$22,398	William Gordon Nebraska Mushroom LLC
FNC14-963	The Economic Analysis of Cover Crops, Soil Health, the role of Livestock and Impact on Moisture	\$22,378	Paul Ackley farmer Mike McDonald Indigo Ridge Farm
FNC13-911	The Viability of Small Scale Aquaponics in Urban and Rural Underserved Communities	\$2,915	Gregory Fripp Whispering Roots
FNC10-802	The Use of Tree Mulch to Increase Native Grassland Pasture Fertility	\$5,817	David Hansen Oak View Beef
FNC08-736	Diversification of Income through Land Diversification	\$5,979	Bruce Switzer
FNC08-745	Using Commercially Available Mycorrhizae Inoculant, Compost, or Mycorrhizae Inoculant and Compost when Transplanting Small Berry Bushes	\$6,000	Cathy Hanus Katy's Garden
FNC07-647	Small Scale Hydro-electric Power	\$6,000	Victor Jensen
FNC07-653	Cover Crop Water Usage and Affect on Yield in No-Till Dryland Cropping Systems	\$5,990	Keith Berns Green Cover Seed
FNC07-676	Evaluating TEFF Grass (Eragrostis teff) as a Value-Added Annual Crop for Hay and Forage to Mitigate Drought Impacts in Northwestern Nebraska.	\$6,000	Keith Oetken
FNC07-698	Advantages and disadvantages on an organic corn crop from 25 tons of cattle manure per acre	\$6,000	Robert Hrnchir
FNC06-594	Windrow Grazing Annual Forages in the Fall and Winter to Reduce Harvesting and Feeding Expenses while Improving Nutrient Recycling	\$2,050	Aaron Berger
FNC06-601	Planting Aronia Berries on Highly Erodible Land to Add a New Enterprise	\$6,000	Mark Nelson
FNC06-612	Poppy's Pumpkin Patch- Agri-Tourism/Education Upgrade	\$5,994	Connie Hintz



FNC06-629	The Suitability of Flexible Fuel Biomass Heating for the Greenhouse Crop Environment and the Effect of Crop Profitability When Compared to Propane Heating	\$5,560	Stacy Adams
FNC05-593	A Unique System of Covering Drought Destroyed Pastures with Compost and Woodchips to Protect Light Soils and Newly Seeded Grasses	\$6,000	James Sarchet
FNC04-508	"Farm to Family Connection" Radio Project	\$11,357	Curt Arens
FNC04-513	Farmstead First- A Dairy Processing Facility	\$17,612	Charuth van Beuzekom Loth ShadowBrook Farm
FNC04-521	Urban Gardening Project	\$5,995	Ingrid Kirst Community CROPS
FNC04-532	Multi-Species Spurge Control	\$6,000	Mary Ann Wellnitz
FNC04-545	Developing Mentor Networks for Enhanced Outreach in the Range Livestock Industry	\$17,988	O. Lynn Myers
FNC03-445	Organic Grape Production	\$5,984	Tim Nissen
FNC03-460	Evaluation of Establishing a Corndell Cross Breeding Flock to Produce and Hatch Broiler Chicks for the Pastured Poultry Producer in the Upper Midwest	\$5,750	Jane Amerine
FNC02-407	Yellow Dent Organic Hybrid Seed Corn	\$6,000	Michael Jasa
FNC02-410	Deuel County Lodgepole Creek Integrated Pest Management Group	\$13,000	Jerome Cabela and Anita Nein, Resource Conservationist
FNC02-411	Tiensvold Farms Cold Press Oil Project	\$5,480	E Mark Tiensvold
FNC02-427	Converting Confinement Nursery Housing To Swedish Deep Bedded System for Sustainable Pork Production	\$5,917	Brian Bauer
FNC02-430	Improving Warm Season Prairie Grass Seed Production by Reducing the Impact of the Bluestem Midge, Stenodiplosis watsii, Gagne	\$3,612	David Stock
FNC01-355	Management of Grasslands Using Prescribed Fire	\$5,200	Teri Edeal
FNC01-368	Operation and Management of the Nebraska Based Small Farms Cooperative	\$12,750	Mark Keck

<a href="#">FNC01-376</a>	The Establishment of Nut and Timber Species with Varying Cultural Methods into Crop Acres (Conversion) Production of a Viable Economy with Less Chemical Inputs	\$8,865	Justin Martin
<a href="#">FNC00-295</a>	Cleaning Bagging Facility for Better Marketing	\$5,000	Robert Beguin
<a href="#">FNC00-297</a>	Livestock Watering Systems	\$15,000	Steve Chatt
<a href="#">FNC00-314</a>	Producer Owned Woolen/Textile Mill	\$14,992	Trish Lukassen
<a href="#">FNC00-321</a>	Organization of the Nebraska Based Small Farms Cooperative	\$15,000	Ray Miller
<a href="#">FNC99-258</a>	Heirloom Poultry: Cash and Genetic Conservation	\$4,996	Julia Kleinschmit Rembert
<a href="#">FNC99-263</a>	Management-intensive Grazing Systems as an Alternative to Crop Production on Saline/Alkali Soils in the Central Platte Valley	\$5,000	Brian Edeal
<a href="#">FNC99-279</a>	Country Edge Poultry and Produce	\$6,402	Liz Sarno Prairie Chicks etc. L.L.C.
<a href="#">FNC99-285</a>	Sandhills Aquaculture Coop	\$15,000	Tanya Storer Sandhills Yellow Perch
<a href="#">FNC98-207</a>	Biological Control of Pests	\$2,089	David Kreutz
<a href="#">FNC98-217</a>	Alternative Nitrogen Sources for Organic Snap Bean Production	\$3,617	John Ellis Libby Creek Farms
<a href="#">FNC97-200</a>	Kentucky Bluegrass Management and Variety Evaluation for Sustainable Seed Production in Western Nebraska	\$4,250	Daniel Laursen
<a href="#">FNC96-133</a>	Cornstarch Amendment for Marginal Soils	\$1,297	Richard Johnson
<a href="#">FNC95-094</a>	Pastured Poultry	\$5,000	David Bosle
<a href="#">FNC95-096</a>	Nebraska CIP Research Project: Comparing Alternative Uses of Land Currently in the CRP Program	\$4,960	Kenneth Widener
<a href="#">FNC95-106</a>	Native Elderberry and Plums as an Income Source from Waste Ground	\$4,584	Nancy Jorgensen
<a href="#">FNC95-119</a>	Bio-control of Canada Thistle	\$1,518	Dennis Demmel

FNC95-123	Establishing Legumes in Cool Season Grass Pastures	\$1,175	Jon Immink
FNC95-126	Tar Box Hollow Living Prairie	\$5,000	Larry Mason
FNC94-059	Establishment of Cool Season Pasture in Nebraska Sandhills	\$1,064	Gregory Nollette Diamond Lazy J Ranch
FNC94-064A	Improving Native Wet Meadows	\$1,667	James Keller
FNC94-064B	Improving Native Wet Meadows	\$1,666	Larry O'Kief
FNC94-064C	Improving Native Wet Meadows	\$1,666	Mike Ramm (Deceased)
FNC94-069	CRP Research Project-Comparing Alternative uses of CRP Acres	\$5,000	Kenneth Widener
FNC94-071	Alternative Use of CRP Acres: Grass Fat Lambs	\$4,969	Monty Mason
FNC94-074	Continued Study of Controlling Leafy Spurge Utilizing Angora Goats	\$1,900	Marvin Lange
FNC94-082	Weed Management Methods for Strip Intercropping	\$1,125	Bruce Krueger
FNC93-027	Bio-Control of Leafy Spurge using Angora Goats	\$1,860	Marvin Lange
FNC93-029	Winter Rye as a Companion Crop in Establishment of Alfalfa	\$2,168	Gary Young (Deceased)
FNC93-030	Bio-Control of Plumeless Thistle	\$3,644	Gary Young (Deceased)
FNC93-032	Evaluating and Comparing Beef Cattle Grazing Systems	\$950	Don Fox Don Fox Farm
FNC92-009	Converting Windrower into an Efficient, Affordable Compost Turner	\$5,000	Kleinschmit William
FNC92-011	Non-Chemical Fly Control in Beef and Dairy Herds	\$1,500	Lowell Schroeder Lowell Schroeder Farm
FNC92-012	Biological Weed Control and Weed use Research	\$5,000	Robyn Rohlring

#### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE Support	Project Leaders
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GNC23-366	Evaluating smooth sumac ( <i>Rhus glabra</i> ) management in rangelands through development of high-resolution GIS maps	\$15,000	Dr.Sabrina E. Russo University of Nebraska-Lincoln Lillian Hoffart University of Nebraska - Lincoln
GNC23-382	Investigating Wheat Stem Sawfly's Impact on Winter Wheat Residue, Soil Health, Soil-Water Storage, and Corn Yield in a Dryland Cropping System	\$14,850	Cody Creech Department of Agronomy & Horticulture, University of Nebraska-Lincoln Vinicius Zuppa University of Nebraska-Lincoln
GNC21-331	A socio-hydrological framework for assessing groundwater sustainability in an irrigated agricultural landscape.	\$14,820	Dr.Ruopu Li Southern Illinois University at Carbondale Amina Naliaka Southern Illinois University
GNC20-301	Increasing the effectiveness of pollinator conservation grasslands within the tallgrass prairie region	\$15,000	Dr.Craig Allen University of Nebraska, Lincoln Dr.David Wedin University of Nebraska-Lincoln Katharine Hogan University of Nebraska-Lincoln
GNC20-307	Rancher Preferences for Conservation Program in Nebraska's Grasslands	\$7,926	Mark Burbach University of Nebraska-Lincoln Kyle Martens Center for Resilience in Agricultural Working Landscapes (University of Nebraska)
GNC20-296	Winter Hardy Small Cereal Cover Crops for Grazing and Silage in Nebraska	\$14,389	Dr.Mary Drewnoski University of Nebraska Lincoln Kallie Calus University of Nebraska-Lincoln
GNC18-258	Evaluating the Impact of Insecticides on Arthropods in Cover Crop to Corn Transitions.	\$11,716	Dr.Justin McMechan, Ph.D., D.P.H. University of Nebraska Eastern Nebraska Research and Extension Center Gabriela Inveninato Carmona University of Nebraska - Lincoln
GNC18-271	Double Cropping Field Peas with Cover Crops, Forages and Short Season Crops in Sub-Humid Climates	\$11,525	Strahinja Stepanovic University of Nebraska-Lincoln Alexandre Tonon Rosa University of Nebraska-Lincoln
GNC17-237	Integrating weed and nutrient management in hop ( <i>Humulus lupulus</i> ) production using organic amendments	\$11,990	Sam Wortman University of Nebraska - Lincoln Allison Butterfield University of Nebraska - Lincoln
GNC17-242	Evaluating nitrate toxicity potential in grazed cover crops	\$11,947	Dr.Mary Drewnoski University of Nebraska - Lincoln Mary Lenz University of Nebraska - Lincoln
GNC17-250	Assessing microbial communities of aqueous compost extracts and their effects on mulch and crop residue degradation	\$11,993	Sam Wortman University of Nebraska - Lincoln Mitchell (Ben) Samuelson University of Nebraska - Lincoln
GNC16-220	Impacts of Ionophore Supplementation and Corn Residue Management on Profitability of Grazing Rye with Growing Calves within an Integrated Production System	\$11,997	Dr.Mary Drewnoski University of Nebraska - Lincoln Ashley Conway University of Nebraska-Lincoln
GNC16-234	Role of Bats in Controlling Agricultural Pests	\$11,644	Dr.Craig Allen University of Nebraska, Lincoln Michael Whitby Cooperative Fish and Wildlife Research Unit , School of Natural Resources, University of Nebraska - Lincoln

GNC14-195	Collaborative Conservation in the Great Plains: Opportunities and Barriers for Cross-Property Private-lands Management	\$9,996	Mark Burbach University of Nebraska-Lincoln Maggi Sliwinski University of Nebraska-Lincoln
GNC13-165	Incorporating Soil Ecological Knowledge into Management of CRP Lands	\$10,000	Dr. Craig Allen University of Nebraska, Lincoln Hannah Birge University of Nebraska-Lincoln
GNC13-182	Cover Crop Mixture Diversity and its Effects on Biomass Production, Weed Suppression, Soil Fertility, Soil Microbial Biomass and Community Structure, and Performance Stability	\$10,000	Charles Francis Grain Place Foundation Dr. Rhae Drijber University of Nebraska-Lincoln Dr. Leon Higley University of Nebraska-Lincoln Dr. John Lindquist University of Nebraska-Lincoln Angela Florence University of Nebraska-Lincoln
GNC08-101	Soil fertility and weed management in long-term conventional and organic crop rotations	\$10,000	Charles Francis Grain Place Foundation Sam Wortman University of Nebraska - Lincoln
GNC06-058	Effect of Supplemental Nutrition on Embryo Survival and Pregnancy Rate in Beef Heifers	\$10,000	Rick Funston University of Nebraska Daniel Larson University of Nebraska
GNC03-012	Land Ethics: Connecting Producers, Consumers, Land and Food	\$9,620	Charles Francis Grain Place Foundation Mindi Schneider University of Nebraska
GNC02-001	Motivations for Adoption of Sustainable Agriculture Practices, Education and Research: A Mixed-Methods Study	\$10,000	Charles Francis Grain Place Foundation Shirley Trout University of Nebraska
GNC02-002	Optimizing Use of Cool-Season Forage Species for Livestock production on Semi-Arid Rangeland	\$9,972	Pat Reece William Whisenhunt University of Nebraska
GNC02-003	Comparing Sustainability of Grazing in the Nebraska Sandhills: Which Regime is Best for Cattle and Wildlife	\$10,000	Larkin Powell Silka Finkbeiner University of Nebraska

#### ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE Support	Project Leaders
ONC21-086	Developing Winter Barley as an Alternative Crop to Capture an Emerging Market and Increase Diversification and Sustainability	\$40,000	Cody Creech Department of Agronomy & Horticulture, University of Nebraska-Lincoln
ONC21-089	Weed Suppression Strategies for Key Cultural Crops in the Yazidi Farming Community of the Midwest	\$39,706	Amy Gerdes Community Crops
ONC20-076	Balancing harvest efficiency and economics of grazing fall forage cover crops.	\$40,000	Erin Laborie Nebraska Extension
ONC20-077	Insecticide use in cover crops: Understanding impacts at a field scale	\$39,906	Dr. Justin McMechan, Ph.D., D.P.H. University of Nebraska Eastern Nebraska Research and Extension Center
ONC19-060	Building the Legacy- Heartache and Triumphs from Transitioning Ranch Families	\$33,781	Bethany Johnston Nebraska Grazing Lands Coalition

ONC19-054	Incorporating Grain Sorghum in Semi-Arid Crop Rotations with Short Growing Seasons to Increase Resiliency of Cropping Systems	\$40,000	Cody Creech Department of Agronomy & Horticulture, University of Nebraska-Lincoln
ONC19-052	Partnering in Conservation: Engaging Women Farmland Owners and Their Tenants in Collaborative Conservation Planning	\$40,000	Dr.Andrea Basche University of Nebraska-Lincoln
ONC18-045	Exploring Malted Barley Production, Resiliency of Soils and Economic Sustainability in Nebraska	\$29,990	Zachary Rigg Rigg Soil Solutions
ONC17-032	Growing Together: Latino Farmer Learning Circles for Knowledge and Networks	\$30,000	Kathie Starkweather Center for Rural Affairs Wyatt Fraas Center for Rural Affairs
ONC16-020	Women Farmer and Landowner Learning Circles: Addressing Sustainability in a Changing Climate	\$30,000	Sandra Renner Center for Rural Affairs
ONC16-021	Replacing Summer Fallow with Grain-type Field Peas in Semiarid Cropping Systems: Sustainability and Agronomic Evaluation	\$29,999	Strahinja Stepanovic University of Nebraska-Lincoln

#### YOUTH EDUCATOR GRANTS

Project #	Project Title	SARE Support	Project Leaders
YENC17-108	Farm Towers: Urban Agriculture Goes Vertical	\$1,999	Ashton Bohling Auburn Public Schools
YENC17-116	Engaging Youth in Sustainable Farming and Benefits of Direct Marketing	\$2,000	Skylar Falter University of Nebraska-Lincoln
YENC16-101	Big Muddy Urban Farm and Gifford Park Youth Garden Program	\$2,000	Brent Lubbert Big Muddy Urban Farm
YENC15-094	The Big Garden Children - Youth Sustainable Agriculture Curriculum	\$2,000	Cait Caughey Lutheran Family Services
YENC15-095	Youth Mobile Library	\$1,409	Megan McGuffey Community Crops Benjamin McShane-Jewell Community Crops
YENC13-068	Community Crops Young Urban Farmers	\$1,958	Jennie Sutton Community CROPS Ingrid Kirst Community CROPS Benjamin McShane-Jewell Community Crops
YENC12-056	Healthy Farms Healthy Kids Nebraska	\$2,000	William Powers Nebraska Sustainable Agriculture Society
YENC10-026	Sustainable Ranch Resource Management	\$2,000	Patrick Morgan Loup County Ag ED
YENC10-035	Young Urban Farmers	\$2,000	Ingrid Kirst Community CROPS Jennie Korgie Community CROPS Jennie Holt Community CROPS

YENC09-010	“Sow What?”	\$980	Jessica Jones
YENC09-019	Healthy Farms, Healthy Kids!	\$2,000	William Powers Nebraska Sustainable Agriculture Society

#### YOUTH GRANTS

Project #	Project Title	SARE Support	Project Leaders
YNC10-055	Affects of Tillage Radish Cover Crops on Soybean Cropland	\$398	William Cutler
YNC09-034	C Bees	\$400	Collen Melvin
YNC08-006	Growing Organic Strawberries with the Help of Fabric	\$140	Libby Fulton
YNC08-010	Free-Range Egg Production - Comparing Production Using Stationary Housing Versus Portable Pasture Housing	\$400	Stephen Thiltges
YNC08-011	Sustainable Production of Ducks on Rotational Pasture	\$250	Elizabeth Thiltges
YNC08-026	Pilot Community Supported Agriculture Project with Omaha Jewish Community	\$400	Joe Goldberg

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**Total funding from the USDA SARE program to  
Nebraska  
\$7,571,791**

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For further information on projects, contact North Central SARE at (612) 626-3113 or [ncrsare@umn.edu](mailto:ncrsare@umn.edu).

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