



AGRICULTURE PROJECTS FUNDED IN DELAWARE

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2018

Delaware has been awarded \$1,235,370 grants to support 26 projects, including but not limited to, 4 research and/or education projects, 2 professional development projects and 9 producer-led projects. Delaware has also received additional SARE support through multi-state projects.

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LNE12-314	Improving water and nitrogen use efficiency using soil moisture monitoring to improve irrigation management	\$210,666	James Adkins University of Delaware
LNE08-269	Efficacy of Natural Dewormers in the Control of Gastrointestinal Nematodes of Small Ruminants	\$166,168	Dr.Dahlia Jackson-O'Brien Delaware State University
LNE07-261	Farming for native bees	\$93,991	Dr.Faith Kuehn Plant Industries Administrator
LNE05-221	Mentoring small fresh produce farmers who want to increase farm revenue by selling value-added products through direct-market channels	\$65,000	Anne Fitzgerald Delaware Department of Agriculture

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ENE15-141	2016 Northeast SARE Regional Cover Crops Training	\$134,443	John Clendaniel Delaware State University
ENE98-043	Nutrient Management Education: Development and Implementation of Training Modules on Basic Principles, Current State of Knowledge and Advances in Research	\$6,500	Karen L. Gartley University of Delaware

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FNE17-873	Improving poultry farm sustainability through pollinator buffers	\$11,481	Tina Hill Hill Farms, Inc
FNE13-786	Economic analysis of oyster mushroom	\$8,849	Ramrattan sagram

production in an unused poultry house

FNE12-746	Survivability and production of heritage breed egg layers on pasture in Delmarva	\$13,784	Kim Hartline Spring Morning Farm LLC.
FNE11-735	Effects of Pole Lima Production in North/South vs. East/West Row Placement	\$5,375	Edward Zitvogel Zitvogel Farms
FNE09-655	Sustainable cropping systems for processing baby lima bean production	\$10,000	Wm. Donald (Don) Clifton, II Clifton Farms, Inc.
FNE07-598	Greenhouse heating system	\$2,744	Katherine Brooks
FNE04-505	Using Innovative Production Systems to Meet the Needs of new Emerging Markets	\$5,000	Luke Chappel
FNE98-200	Organic No-Till Cropping System Farm Evaluation 1998-2000	\$4,200	Jon Danko
FNE96-147	Economical Analysis of Kenaf Grown with Different Nutrient Sources	\$3,140	Daniel Palmer

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GNE15-111	Using silicon fertilizers to improve soil phosphorus availability and uptake by winter wheat in high-phosphorus soils	\$14,995	Amy Shober University of Delaware Angelia Seyfferth University of Delaware Zhixuan Qin University of Delaware
GNE14-086	Use of a Natural Biocontrol Agent Bacillus subtilis UD1022 to Increase Crop Yield and Reduce Contamination by Listeria monocytogenes On Cantaloupes	\$14,035	Dr.Kalmia Kniel University of Delaware Dr.Harsh Bias University of Delaware Sarah Markland University of Delaware
GNE11-023	Developing sustainable aquaculture methods for the mummichog, Fundulus heteroclitus, with emphasis on egg production	\$14,909	Dennis McIntosh Delaware State University Courtney Janiak Delaware State University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
ONE18-317	Characterization of Gastrointestinal Nematode Anthelmintic Resistance on Small Ruminant Farms in Delaware	\$14,974	Dr.Kwame Matthews Delaware State University
ONE16-280c	Utilizing cover crops for additional benefits in Delaware	\$11,111	Mark VanGessel University of Delaware
ONE14-215	Determining the risks associated with scavenging raptors to the biosecurity of	\$11,307	Dr.Brigid McCrea

broiler farms on Delmarva.

Delaware State University Cooperative
Extension

ONE12-157	Development of best use practices on commercial colonies of <i>Bombus impatiens</i> on crops in Delaware	\$5,696	Dr. Deborah Delaney University of Delaware Jacquelyn Marchese University of Delaware
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PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
NEDE17-001	Beginning Farmer Workshops	\$16,330	Dan Severson University of Delaware
NEDSU17-001	Cover Crop and Soil Health Training for Agriculture Service Providers in Delaware and the Eastern Shore of Maryland	\$83,332	John Clendaniel Delaware State University
NEDE15-001	Delaware State Program Project: Estate Planning and Farm Succession	\$29,399	Dan Severson University of Delaware
NEDSU14-001	DSU, UDE, UMES Joint State Program Project: Cover Crops and Soil Health & Beekeeping and Attracting Pollinators	\$277,941	John Clendaniel Delaware State University

**Total funding from the USDA SARE program to
Delaware
\$1,235,370**



For further information on projects, contact Deb Heleba, Northeast SARE communications specialist, at 802-651-8335, ext 552 or debra.heleba@uvm.edu.

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