

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 \$311 million to more than 7,449 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

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

Federated States of Micronesia

Project Highlight: *Success with Marine Ornamental Farming Training*

The people of the Federated States of Micronesia and the Republic of the Marshall Islands have skills and resources for aquaculture, agriculture and agroforestry, but the islands' economic development lags far behind their potential. According to Simon Ellis, director of the Marine and Environmental Research Institute of Pohnpei, one of the most successful aquaculture enterprises to date has been the farming of marine ornamental invertebrates for home aquariums abroad.

So, Ellis used a SARE grant to expand the area's ornamental fish farming industry by providing training to the Extension professionals who work with aquaculture operations. The project included a weeklong training and tours of operations, with the aim of improving knowledge and collaboration between Extension, producers and distributors. The training included 15 participants and addressed topics such as production, marketing, shipping, permitting and sustainability.

In an exit survey, all the participants indicated they had a better understanding of the marine ornamental industry, and the majority planned to use their new knowledge in their work. The project created new partnerships between producers and exporters that remained in place at the project's completion. In 2013, two years into the project, ornamental fish exporters reported record sales, a feat that Ellis does not take complete credit for but one which he thinks the project contributed to.

For more information on this project, see sare.org/projects, and search for project number [EW11-001](http://sare.org/projects).

SARE in Federated States of Micronesia

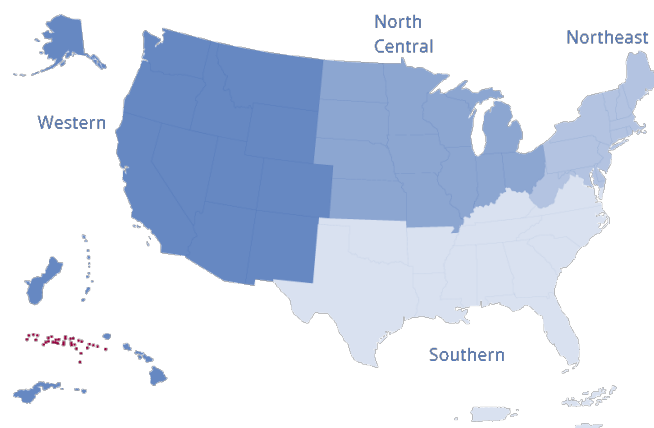
western.sare.org/sare-in-your-state/federated-states-of-micronesia

\$688,610
in total funding

19 grant projects

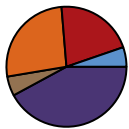
(since 1988)

For a complete list of grant projects state by state, go to www.sare.org/state-summaries



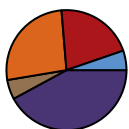
SARE Grants in Federated States of Micronesia

Total awards: 19 grants



8 Farmer/Rancher
1 On Farm
Research/Partnership
5 Professional Development
Program
4 Research and Education
1 Research to Grass Roots

Total funding: \$688,610



\$124,634
Farmer/Rancher
\$8,047
On Farm
Research/Partnership
\$269,621
Professional Development
Program
\$221,561
Research and Education
\$64,747
Research to Grass Roots

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:

western.sare.org/sare-in-your-state/federated-states-of-micronesia

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 western.sare.org/state-pages/federated-states-of-micronesia to learn more.

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For detailed information on SARE projects, go to 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 FEDERATED STATES OF MICRONESIA

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

Federated States of Micronesia has been awarded \$688,610 grants to support 19 projects, including but not limited to, 4 research and/or education projects, 5 professional development projects and 8 producer-led projects. Federated States of Micronesia has also received additional SARE support through multi-state projects.

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
SW05-00C	Preservation of Traditional and Medicinal Plants in Micronesia	\$36,115	Jim Currie College of Micronesia-FSM
SW05-053	Research and Demonstration on Banana production Technologies in Micronesia	\$83,992	Aurora Del Rosario Palau Community College
SW01-010	Utilization of Local Feedstuffs for Swine Feeding in the American Pacific	\$73,890	Engly Ioanis College of Micronesia Dr. Manuel Duguies Cooperative Extension Service
SW99-015	Sustainable Marketing Strategy in Micronesia	\$27,564	Aurora Del Rosario Palau Community College

RESEARCH TO GRASS ROOTS GRANTS

Project #	Project Title	SARE Support	Project Leaders
RGR20-002	Using washed-up semi-decomposed seagrass in sweet potato cultivation	\$64,747	Steven Young-Uhk College of Micronesia

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
EW18-006	Training and Outreach for Extension Professionals in Sustainable Capture-based Cage Farming and Hatchery Rearing Methods, of Siganids (Rabbitfishes)	\$70,447	Simon Ellis MERIP
EW12-036	Training toward Transition of Subsistence Farmers to the Market Economy	\$60,000	Jim Currie College of Micronesia-FSM
EW11-001	Training in Marine Ornamental Farming for Extension Professionals in Micronesia	\$51,050	Simon Ellis MERIP
EW05-004	Training on On-Farm Implementation of Sustainable Management Systems for Tropical Atoll Agriculture in the Marshall Islands	\$37,362	Nacanieli Tuivavalagi College of the Marshall Islands
EW99-010	Development through "Seeing is Believing", and "Learning by Doing"	\$50,762	Robert Bishop

FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
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FW09-302	On-Farm Implementation and Demonstration of Integrated Sustainable Agriculture and Livestock Production Systems for Small-Scale Farmers in Micronesia	\$38,220	Dr.Virendra M. Verma Northern Marianas College
FW09-312	Utilization of the Tilapia Invasive Species as a Low-Cost Protein Feed to Improve Egg Production	\$29,892	Steven Young-Uhk College of Micronesia
FW08-008	Overcoming the Constraints of Tropical Tomato Production Through Shade Netting and Other Methods	\$13,578	Robert Bishop
FW07-028	Sei Enterprise Inc. Farm Pohnpei Pepper	\$12,000	Sei Uemoto Sei Enterprises Inc.
FW06-307	Replacing Imported Energy Feeds by Storage of Excess Breadfruit as Out-of-season Pig Feed	\$16,712	Jim Currie College of Micronesia-FSM
FW04-311	Lamer Fishpond Pilot Test & Demonstration	\$6,572	Steven Young-Uhk College of Micronesia
FW01-028	Tu Eri Market Sakau Nursery (Recycling of Plant Discards and Animal Wastes)	\$4,160	Kalistus Marquez Tu Eri Market
FW99-079	Rehabilitation of Degraded Savannah Land	\$3,500	Kesewaol Bishop

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE Support	Project Leaders
OW13-138	Savor the Flavors of Palau! Crop & Enterprise Diversification	\$8,047	Dr.L. Robert (Bob) Barber, Jr. University of Guam Cooperative Extension Service

**Total funding from the USDA SARE program to
Federated States of Micronesia
\$688,610**



For further information on projects, contact Western SARE at (435) 797-2257 or wsare@usu.edu.

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