

## 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 \$410 million to more than 8,827 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...

# Federated States of Micronesia

*Project Highlight: Training and Outreach for Extension Professionals in Sustainable Capture-based Cage Farming and Hatchery Rearing Methods, of Siganids (Rabbitfishes)*

Sustainable, capture-based aquaculture and hatchery rearing methods of Rabbitfish hold promise not only for fisheries management and coral reef conservation, but also for rural aquaculture livelihoods and nutrition. Thirteen species of Rabbitfish can be found in Micronesia, some with traits making them suitable for aquaculture. Those desirable traits include fast growth, schooling behavior, non-aggressive behavior, tolerance of changing temperatures and salinity, tolerance of poor water quality, and good feed conversion.

Understanding this potential for sustainable development, Simon Ellis of Marine Environmental Research Institute of Pohnpei (MERIP) designed a Professional Development Program project aimed toward expanding Rabbitfish aquaculture in the Pacific Islands. The highly collaborative project shared information and resources with agriculture/aquaculture professionals, extension agents, private sector aquaculture entrepreneurs, and sustainable development NGOs in the Micronesia region. The project included a four-day training at MERIP, a study tour for three personnel to Hawaii to train in marine fish hatchery techniques, and an easy to read pictorial manual on raising Rabbitfish.

Ellis is excited about an unexpected outcome of the project.

“The workshop led to a very positive collaboration with the University of Hawaii College of Tropical Agriculture and Hawaii Sea Grant.”

For more information on this project, see [sare.org/projects](http://sare.org/projects), and search for project number [EW18-006](#).

## SARE in Federated States of Micronesia

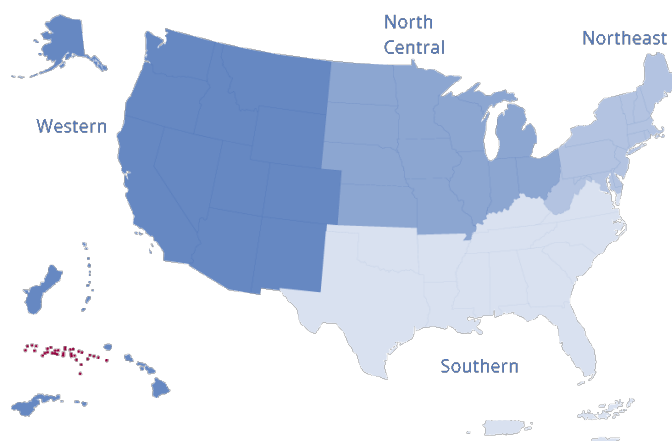
[western.sare.org/state-profiles/micronesia/](http://western.sare.org/state-profiles/micronesia/)

**\$0**  
**in total funding**

**0 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 in Federated States of Micronesia

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## Grants awarded 2019-2024

Total awards: **0 grants**

Total funding: **\$0**

Find a complete list of projects on page 3.

## Farmer and rancher impacts 2019-2024

SARE grantees have reported the following impacts from their projects:

**66 farmers participated in a SARE-funded project**



Learn about local impacts at:  
[western.sare.org/sare-in-your-state/federated-states-of-micronesia/](https://western.sare.org/sare-in-your-state/federated-states-of-micronesia/)

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## Contact Your SARE State Coordinator

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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-profiles/micronesia/](https://western.sare.org/state-profiles/micronesia/) to learn more.

Engly Ioanis  
College of Micronesia  
(691) 320-2728  
[englyioanis@gmail.com](mailto:englyioanis@gmail.com)



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.

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



# 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 \$623,863 grants to support 18 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 Land Grant Programmm Dr.Manuel Duguies Cooperative Extension Service
SW99-015	Sustainable Marketing Strategy in Micronesia	\$27,564	Aurora Del Rosario Palau Community College

## 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
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#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
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

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**Total funding from the USDA SARE program to  
Federated States of Micronesia  
\$623,863**

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For further information on projects, contact Western SARE at (406) 994-4785 or [wsare@montana.edu](mailto:wsare@montana.edu).

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