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

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, and search for project number EW18-006.

SARE in Federated States of Micronesia

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
SARE in Federated States of Micronesia

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/

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-profiles/micronesia/ to learn more.

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

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.
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

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

### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

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

### FARMER/RANCHER GRANTS

<table>
<thead>
<tr>
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</tr>
</thead>
</table>
| 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

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<tr>
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</thead>
</table>
| 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**

$623,863
For further information on projects, contact Western SARE at (406) 994-4785 or wsare@montana.edu.
Sustainable Agriculture Research and Education (SARE) is funded by USDA’s National Institute of Food and Agriculture (NIFA).