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 $404 million to more than 8,774 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.

What is SARE?

American Samoa

Project Highlight: *Agricultural productivity of Kratky's non-circulating hydroponics method in cropping specialty vegetables for limited resource growers in Manu’a*

Growing vegetables hydroponically, such as bok choy or lettuce, can improve access to fresh produce in remote communities dependent on imported food. Additionally, the quality of locally grown produce can be higher than imported produce that can wilt during shipping.

A Western SARE funded project in American Samoa researched and quantified benefits of a non-circulating hydroponics system for limited-resource growers. Later demonstrations to farmers, village groups and government agencies, as well as a companion Teachers Hydroponics Resource Kit, documented a modern method of farming - while raising awareness of healthy lifestyles, developments in sustainable agriculture, and food security.

The project, led by Toni Leano of Maun’a Leta Creative farm, found the benefits to be:

• Crop yields higher than using conventional growing methods
• Better protection from pests
• Protection from extreme weather, such as heavy rain
• Ability to supply and monitor required nutrients easily
• Easy to adopt system for limited resource growers
• Provide access for local communities to fresh nutritious food

For more information on this project, see sare.org/projects, and search for project number FW19-352.

SARE in American Samoa

western.sare.org/state-profiles/american-samoa/

$17,000 in total funding

1 grant project

(since 1988)

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

Grants awarded
2019–2024

Total awards: **1 grant**
- 1 Farmer/Rancher

Total funding: **$17,000**
- $17,000 Farmer/Rancher

Find a complete list of projects on page 3.

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Farmer and rancher impacts
2019–2024

SARE grantees have reported the following impacts from their projects:

- **101 farmers participated in a SARE-funded project**
- **102 farmers reported a change in knowledge, awareness, skills or attitude**
- **7 farmers changed a practice**

Learn about local impacts at: western.sare.org/sare-in-your-state/american-samoa/

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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/american-samoa/ to learn more.

Ian Gurr
American Samoa Community College
ig1213@yahoo.com

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For detailed information on SARE projects, go to www.SARE.org

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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.
American Samoa has been awarded $345,061 grants to support 36 projects, including but not limited to, 1 research and/or education project, 2 professional development projects and 33 producer-led projects. American Samoa 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>SW97-013</td>
<td>Blueprinting Traditional Sustainable Food Production Systems of Samoa in Development of a Research/Extension Model</td>
<td>$91,850</td>
<td>Wayne A. Frank American Samoa Community College</td>
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</table>

**PROFESSIONAL DEVELOPMENT PROGRAM GRANTS**

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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</thead>
<tbody>
<tr>
<td>EW97-018</td>
<td>Constructing a Herbarium, Collection and Key to Medicinal and Other Traditional Plants of Samoa</td>
<td>$15,510</td>
<td>Don Vargo American Samoa Community College</td>
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**FARMER/RANCHER GRANTS**

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW19-352</td>
<td>Agricultural productivity of Kratky’s non-circulating hydroponics method in cropping specialty vegetables for limited resource grower in Manu’a.</td>
<td>$17,000</td>
<td>Toni Leano Mauna Lata Creative Farm</td>
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<tr>
<td>FW18-035</td>
<td>Comparative Benefits of using Chicken Tractors in Banana Plantations in American Samoa</td>
<td>$19,231</td>
<td>Sagaia Lefee Sagaia Lefee</td>
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<tr>
<td>FW16-029</td>
<td>Alternative Vegetable Crops and Production Methods for American Samoa</td>
<td>$15,202</td>
<td>Ivona Ballard Whutnutsamoa Ian Gurr American Samoa Communiy College Agriculture, Community and Natural Resources</td>
</tr>
</tbody>
</table>
FW07-035  Sustainable Tilapia Aquaculture Production Demonstration Facility $9,148  Troy Fiaui
FW07-036  Model Small-Scale Greenwater Tilapia Hatchery Facility $9,969  Joseph Fuamatu
FW05-015  Small-Scale Aquaponic Demonstration System in American Samoa $10,000  Malo Paleso'o
FW04-032  Using Portable Chicken Farming to Improve Home Vegetable Garden $1,570  Lusia Leofili
FW04-204  Organic Vegetable Farming in American Samoa $2,496  Lina Tuifalasia
FW03-005  Vermicomposting of Animal and Organic Wastes $5,500  Futi Semanu
FW03-026  Growing Future Banana for Samoa $2,951  Alatise Fonoti
FW02-012  Medicinal Plants of Samoa-preventing extinction through survey $12,215  Ionataua Faasaualu
FW02-047  Pigsty and Planting $6,726  Mack Memea
FW02-048  Reducing African Snail Damage to Yams in American Samoa $3,955  Malo Paleso'o
FW01-069  Piggery Waste Management $5,000  Faapaia Maiava Agriculture Extension
FW00-205  Expanding the Marketing Outlets of Local Traditional, Vegetable and Fruit Crops in American Samoa $4,935  Malo Paleso'o
FW99-109  Giant Clam Project $4,519  William Haretuku
FW99-037  Effect of Pesticides vs. Traditional Treatments for Banana Scab Moth in American Samoa $1,600  Rosaline Liu
<table>
<thead>
<tr>
<th>Code</th>
<th>Project Description</th>
<th>Cost</th>
<th>Responsible Party</th>
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<tbody>
<tr>
<td>FW99-030</td>
<td>Self-Sustaining Swine Production Operation</td>
<td>$4,500</td>
<td>Juan Chan</td>
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<tr>
<td>FW99-001</td>
<td>Canco Hill Screen House</td>
<td>$1,400</td>
<td>Naotala M. Tuli</td>
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<tr>
<td>FW99-023</td>
<td>Tilapia Farm - Aoloau</td>
<td>$3,225</td>
<td>Ioelu Seve</td>
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<tr>
<td>FW99-025</td>
<td>Leone Greenhouse</td>
<td>$1,500</td>
<td>Mark Kneubuhl</td>
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<td>FW99-026</td>
<td>Ava Samoa</td>
<td>$2,004</td>
<td>Lualima Siagatonu</td>
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<tr>
<td>FW99-027</td>
<td>Amalau Valley Fruit Tree and Native Tree Nursery</td>
<td>$2,463</td>
<td>Matautu Tagoilelagi</td>
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<tr>
<td>FW98-021</td>
<td>Samoa Department of Agriculture Community Nutritional Support Group</td>
<td>$4,646</td>
<td>Litani Ahoia</td>
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<tr>
<td>FW98-036</td>
<td>Brewster Area-wide Management (BAM) - Low Impact Control of Codling Moth and Leafroller in Apples</td>
<td>$10,000</td>
<td>Jim Davis</td>
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<tr>
<td>FW98-055</td>
<td>Onenoa Eel and Tilapia Farm</td>
<td>$2,210</td>
<td>Alosina Toamalatai</td>
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<tr>
<td>FW98-056</td>
<td>Piggery Deep Litter System</td>
<td>$2,975</td>
<td>Nikolao Mageo</td>
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<tr>
<td>FW98-057</td>
<td>Beef Cattle Pasture Management Project</td>
<td>$2,900</td>
<td>Ma'ataka Te'o</td>
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<tr>
<td>FW97-039</td>
<td>Continuation of a Sustainable Agroforestry System</td>
<td>$2,315</td>
<td>Malo Paleso'o</td>
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<tr>
<td>FW96-079</td>
<td>Pig Manure Control and Utilization Project</td>
<td>$5,000</td>
<td>Tovia Tuli</td>
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<tr>
<td>FW95-106</td>
<td>Controlling the Banana Scab Moth Caterpillar in American Samoa Through Cultural Methods</td>
<td>$1,400</td>
<td>Fetalai Lefee</td>
</tr>
</tbody>
</table>
Development of a Sustainable Agroforestry System

$2,765  Malo Paleso'o

Composting Farm and Kitchen Wastes in American Samoa

$721  Juan Chan

Total funding from the USDA SARE program to American Samoa

$345,061

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).