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 $406 million to more than 8,791 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.

SARE
Sustainable Agriculture Research & Education

www.sare.org

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

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

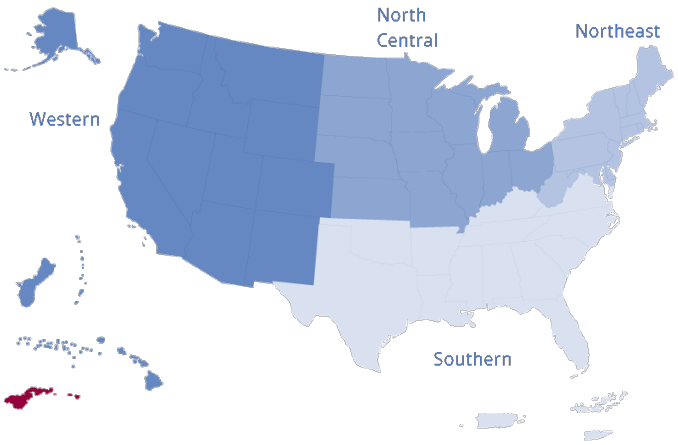
western.sare.org/state-profiles/american-samoa/

$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.

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 knowlege, awareness, skills or attitude

7 farmers changed a practice

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

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.

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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 AMERICAN SAMOA

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

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

Project #	Project Title	SARE Support	Project Leaders
SW97-013	Blueprinting Traditional Sustainable Food Production Systems of Samoa in Development of a Research/Extension Model	$91,850	Wayne A. Frank American Samoa Community College

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
EW07-002	Sustainable Fruit and Vegetable Production in American Samoa: Protecting Your Health and the Health of Your Land with Integrated Pest Management and Soil Conservation	$55,660	Amio Mavaega-Luvu ASCC-Land Grant Amio Mavaega-Luvu American Samoa RC&D Council
EW97-018	Constructing a Herbarium, Collection and Key to Medicinal and Other Traditional Plants of Samoa	$15,510	Don Vargo American Samoa Community College

FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
FW19-352	Agricultural productivity of Kratky's non-circulating hydroponics method in cropping specialty vegetables for limited resource grower in Manu'a.	$17,000	Toni Leano Mauna Lata Creative Farm
FW18-035	Comparative Benefits of using Chicken Tractors in Banana Plantations in American Samoa	$19,231	Sagaia Lefee Sagaia Lefee
FW16-029	Alternative Vegetable Crops and Production Methods for American Samoa	$15,202	Ivona Ballard Whutnutsamoa Ian Gurr American Samoa Communiy College-Agriculture, Community and Natural Resources

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 Damageto 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

FW99-030	Self-Sustaining Swine Production Operation	$4,500	Juan Chan
FW99-001	Canco Hill Screen House	$1,400	Naotala M. Tuli
FW99-023	Tilapia Farm - Aoloau	$3,225	Ioelu Seve
FW99-025	Leone Greenhouse	$1,500	Mark Kneubuhl
FW99-026	Ava Samoa	$2,004	Lualima Siagatonu Production in Aasu
FW99-027	Amalau Valley Fruit Tree and Native Tree Nursery	$2,463	Matautu Tagoilelagi
FW98-021	Samoa Department of Agriculture Community Nutritional Support Group	$4,646	Litani Ahoia
FW98-036	Brewster Area-wide Management (BAM) - Low Impact Control of Codling Moth and Leafroller in Apples	$10,000	Jim Davis
FW98-055	Onenoa Eel and Tilapia Farm	$2,210	Alosina Toamalatai
FW98-056	Piggery Deep Litter System	$2,975	Nikolao Mageo
FW98-057	Beef Cattle Pasture Management Project	$2,900	Ma'ataura Te'o
FW97-039	Continuation of a Sustainable Agroforestry System	$2,315	Malo Paleso'o
FW96-079	Pig Manure Control and Utilization Project	$5,000	Tovia Tuli
FW95-106	Controlling the Banana Scab Moth Caterpillar in American Samoa Through Cultural Methods	$1,400	Fetalai Lefee

FW95-105	Development of a Sustainable Agroforestry System	$2,765	Malo Paleso'o
FW95-103	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).