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 $354 million to more than 8,043 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: *A Better Model for Tilapia Production*

In American Samoa, where economic opportunities are limited and imported goods are expensive, farmers must seek out ways to produce food in low-cost, environmentally sustainable systems. Tilapia, a freshwater fish, has been popular there for decades, and to address food security by using local inputs, tilapia farmers are looking increasingly to integrated aquaculture systems.

Using SARE grants, two farmers belonging to the Samoan Family Sun Fish Co-op built new systems to test and show to the local community. To reduce the amount of land, water and feed needed for a successful system, Troy Fiaui converted his tilapia tanks to greenwater aquaculture. This practice recirculates water, and the fish waste flows to banana and taro fields as a source of nutrients.

A second farmer, Joseph Fuamatu, also built a demonstration greenwater hatchery with SARE funding. His demonstration project was used to teach sex identification, spawning practices, larval rearing, feeding and broodstock management. Fuamatu found that people from his village, after observing the technology, agreed that raising tilapia in tanks is possible and better for the environment than catching fish with a spear gun, which also destroys the coral. The tanks used by Fiuai and Fuamatu help feed their families and villages, and provide the community with an important model for tilapia production. For more information on these projects, see sare.org/projects, and search for project numbers FW07-035 and FW07-036.

SARE in American Samoa

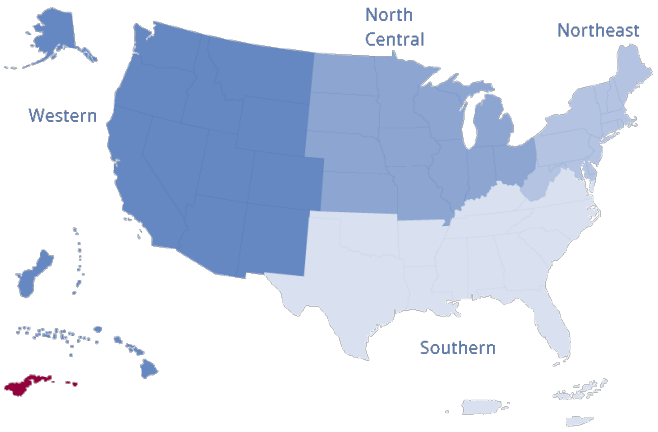
western.sare.org/sare-in-your-state/american-samoa

$345,061 in total funding

36 grant projects

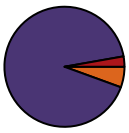
(since 1988)

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



SARE Grants in American Samoa

Total awards: 36 grants



2 Professional Development Program
33 Farmer/Rancher
1 Research and Education

Total funding: $345,061

$71,170
Professional Development Program
$182,041
Farmer/Rancher
$91,850
Research and Education

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/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-pages/american samoa to learn more.

Ian Gurr
American Samoa Community College
ig1213@yahoo.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 offrered 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) 994-4789 or wsare@montana.edu.
Sustainable Agriculture Research and Education (SARE) is funded by USDA's National Institute of Food and Agriculture (NIFA).