When you live on an island perpetually faced with high import costs and limited resources, producing food in sustainable systems that rely little on off-farm inputs is more a necessity than a choice. But even then, sustainable production for growers in the U.S. Virgin Islands comes with its own challenges, as the tropical climate fuels an endless onslaught of weeds, pests, diseases and low soil fertility.

“Anything we can do to help our farmers sustainably manage these burdens and become more successful is important to us,” said Stuart Weiss, an agroecologist with University of Virgin Islands Extension. This need has prompted Weiss to explore the use of cover crops as a means to tackle issues with soil fertility and pests. Using two SARE grants, he has led efforts to find cover crops, many of them legumes, that could thrive in tropical conditions and bring the most benefit to farmers, and to identify effective ways to manage them in no-till systems.

The researchers demonstrated the value of cover crops enough that 18 small-scale farms began using them during the course of the projects. Sunn hemp showed the most promise. Requiring no external inputs to grow, it provided excellent weed suppression and contributed more to soil fertility than other cover crop species.

For more information on these projects, see www.sare.org/projects, and search for project numbers OS11-062 and LS12-252.
SARE Grants in U.S. Virgin Islands

SARE has awarded a total of 7 grants in U.S. Virgin Islands since 1988.

1 On-Farm Research Grant
5 Research & Education Grants
1 Community Innovation Grant

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.

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 www.southernSARE.org/virginislands to learn more.

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

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