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 $307 million to more than 7,384 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: Advancing the Frontier of Sustainable Agriculture in...

Virginia

Project Highlight: Fighting Downy Mildew with Better Crop Selection

Seed crop growers of cucumbers, squash, melons, gourds and watermelons have faced severe losses in Virginia from downy mildew. To stem these losses and to reduce the economic impact, seed grower Edmund Frost used a SARE grant to find varieties of melons, cucumbers and winter squash able to withstand downy mildew. By finding such varieties, he could share results with other seed growers and gather information needed to make progress with seed production and breeding of the resistant varieties.

Frost conducted trials that identified 15 cucumber varieties with the ability to produce twice as much as standard varieties labeled “resistant,” 20 winter squash and tropical pumpkin varieties with better downy mildew resistance than other varieties, and several varieties that produce good-quality melons in areas with high downy mildew pressure.

While the identified pumpkin varieties showed downy mildew resistance, there were quality problems that Frost looked at in a second SARE-funded project. Frost made significant progress with three pumpkin varieties and shared the results with growers at two conferences. One of the seeds bred during the project, F6 Seminole-Waltham seed, is now being sold to growers.

For more information on these projects, see sare.org/projects, and search for project numbers FS13-273 and FS16-291.

SARE in Virginia

southern.sare.org/sare-in-your-state/virginia

$5,674,351 in total funding

112 grant projects

(since 1988)

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

Total awards: 112 grants
- 45 Farmer/Rancher
- 24 Graduate Student
- 12 On Farm Research/Partnership
- 7 Professional Development Program
- 24 Research and Education

Total funding: $5,674,351
- $395,236 Farmer/Rancher
- $288,009 Graduate Student
- $155,564 On Farm Research/Partnership
- $526,040 Professional Development Program
- $4,309,502 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: southern.sare.org/sare-in-your-state/virginia

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 southern.sare.org/state-pages/virginia to learn more.

Eric Bendfeldt
Virginia Tech
(540) 432-6029 Ext: 106
ebendfel@vt.edu

Chris Mullins
Virginia State University
(804) 524-5834
cmullins@vsu.edu

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.
Virginia has been awarded $5,787,078 grants to support 119 projects, including but not limited to, 22 research and/or education projects, 7 professional development projects and 45 producer-led projects. Virginia has also received additional SARE support through multi-state projects.

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS20-332</td>
<td>Silvopasture for poultry production with outdoor access: impact on animal welfare, economic, and environmental parameters</td>
<td>$275,079</td>
<td>Dr.Leonie Jacobs, Virginia Polytechnic Institute and State University (Virginia Tech)</td>
</tr>
<tr>
<td>LS20-337</td>
<td>Development and evaluation of IPM systems components for insect pests and pathogens of cucurbit crops in the southeastern U.S.</td>
<td>$299,935</td>
<td>Dr.Thomas Kuhar, Virginia Tech</td>
</tr>
<tr>
<td>LS20-324</td>
<td>Organic Soil Health Education Online Course and Resources for the Southern SARE Region Farmers and Ranchers</td>
<td>$49,882</td>
<td>Lauren Snyder, Organic Farming Research Foundation, Carol Williams</td>
</tr>
<tr>
<td>LS20-327</td>
<td>A Modular Curriculum for Growing Food Grain for the Local Market</td>
<td>$50,004</td>
<td>Dr.Heather Coiner, Little Hat Creek Farm, Common Grain Alliance</td>
</tr>
<tr>
<td>LS16-268</td>
<td>Integrating Row Covers Into Sustainable Production Systems to Strengthen the Sustainability of Specialty Crops Farmers</td>
<td>$252,542</td>
<td>Dr.Mark Reiter, Virginia Polytechnic Institute and State University, Dr.Ramon Arancibia, University of Missouri Extension</td>
</tr>
<tr>
<td>LS13-255</td>
<td>Made in the Shade - Using Silvopasture Research and On-farm Demonstrations to Advance These Sustainable Agroforestry Systems</td>
<td>$190,000</td>
<td>John Fike, Va Tech</td>
</tr>
<tr>
<td>LS13-258</td>
<td>Towards ecologically-based fertilizer recommendations that improve soil quality in high-density apple orchards</td>
<td>$140,000</td>
<td>Dr.Gregory Peck, Cornell University</td>
</tr>
<tr>
<td>LS08-206</td>
<td>Sustainable agriculture in Virginia and North Carolina: a multi-state assessment of the economic, social and political context</td>
<td>$155,481</td>
<td>Dr.Jonah Fogel, Virginia Cooperative Extension</td>
</tr>
<tr>
<td>LS07-195</td>
<td>How farmers learn: improving sustainable agriculture education</td>
<td>$205,000</td>
<td>Dr.Nancy Franz, Virginia Tech</td>
</tr>
</tbody>
</table>
### Promoting the development of economically and ecologically sustainable pasture-fed beef markets

**Project #:** LS06-191  
**Support:** $198,652  
**Project Leader:** Denise Mainville, Department of Agricultural & Applied Economics

### Enhancing Sustainability of Organic Broccoli Production through Integration of No-tillage and Farmscaping

**Project #:** LS03-149  
**Support:** $163,741  
**Project Leader:** Ronald Morse, Virginia Polytechnic Institute & State University

### Saving our Seed: A program to train farmers

**Project #:** LS03-156  
**Support:** $204,500  
**Project Leaders:** Tony Kleese, Carolina Farm Stewardship Association  
Brian Cricket Rakita, Carolina Farm Stewardship Association

### Economic and Environmental effects of Compost use for Sustainable Vegetable Production

**Project #:** LS99-099  
**Support:** $153,969  
**Project Leaders:** Greg Evanylo, Virginia Tech

### The Hometown Creamery Revival

**Project #:** LS97-083  
**Support:** $145,474  
**Project Leader:** Vicki Dunaway, Dairy Farm Cooperators

### Regionally Centered Sustainable Agriculture System

**Project #:** LS97-084  
**Support:** $173,240  
**Project Leader:** Anthony Flaccavento, Clinch Powell Sustainable Development Initiative

### Alternative Agriculture Strategies for Rural Community Sustainable Development Northampton County, Virginia

**Project #:** LS96-080  
**Support:** $228,517  
**Project Leader:** Terry Thompson, The Nature Conservancy Virginia Coast Reserve

### Developing Municipal/On-Farm Linkages for On-Farm Composting and Utilization of Yard Wastes: A Regional Resource Issue Project

**Project #:** LS95-071  
**Support:** $69,167  
**Project Leader:** Greg Evanylo, Virginia Tech

### Effects of Organic and Chemical Fertility Inputs on Soil Quality in Limited Resource Vegetable Farms

**Project #:** LS95-070  
**Support:** $184,319  
**Project Leader:** Greg Evanylo, Virginia Tech

### Low-Input Crop and Livestock Systems for the Southeastern United States

**Project #:** LS91-037  
**Support:** $360,000  
**Project Leader:** J.P. Fontenot, Virginia Tech

### An Expert Crop Rotation Planning System (CROPS) for Implementing and Evaluating Low-input Crop and Livestock Systems

**Project #:** LS90-029  
**Support:** $60,000  
**Project Leader:** Nicholas Stone, Virginia Polytechnic Institute & State University

### Development, Implementation and Evaluation of Low-input Crop and Livestock Systems for the Southern Region (88-96-2)

**Project #:** LS88-008  
**Support:** $390,000  
**Project Leader:** John Luna, Oregon State University

### Low-Input Crop and Livestock Systems for the Southeastern United States

**Project #:** LS88-008.2  
**Support:** $360,000  
**Project Leader:** John Luna, Oregon State University  

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**PROFESSIONAL DEVELOPMENT PROGRAM GRANTS**

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<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>ES18-144</td>
<td>Sharing the Wealth of Cover Crops: Improved cover crop and soil health knowledge sharing and networking</td>
<td>$79,091</td>
<td>Wade Thomason, Virginia Tech</td>
</tr>
<tr>
<td>ES11-110</td>
<td>Comprehensive Training in Direct Marketing of Meat and Meat Products for Cooperative Extension Agents and Agricultural Professionals</td>
<td>$90,573</td>
<td>Scott Greiner, Virginia Tech</td>
</tr>
</tbody>
</table>
| ES11-109  | Expanding the Expertise of Agricultural Professionals to Serve New Constituents: Practical Training on Organic Horticulture and Hoophouses | $99,980      | Jim Lukens, Southern Sustainable Agriculture Working Group  
Pamela Kingfisher, Southern SAWG                   |
**ES06-085** Sustainable Organic No-Till Systems: A Training Program for CES and NRCS Field Professionals  
**ES03-071** Developing a Hair Sheep Production Systems for Southwest Virginia  
**ES01-053** Innovative Cropping Systems SARE-PDP Project, Colonial Soil and Water Conservation District  
**ES01-059** Training for the Pasture Land Management Research Extension & Education Program  

**FARMER/RANCHER GRANTS**

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| FS20-325  | Breeding and Evaluation of Butternut Squash Varieties for Southeast Organic Farms | $19,846      | Edmund Frost  
Common Wealth Seed Growers / Twin Oaks Seed Farm                                |
| FS18-308  | Evaluating the Effectiveness of Locally Available Woodchips for Weed Control  | $9,756       | Patrick Johnson  
NANIH Farm and Garden, Inc.                                                       |
| FS16-292  | Comparing Methods for No-Till Lespedeza Pasture Establishment                 | $8,688       | Gail Hobbs-Page  
Farmer                                                                            |
| FS16-287  | Retro Fitting an Existing Orchard                                              | $9,837       | Marianne Cicala  
Farmer                                                                            |
| FS16-289  | Analyzing Baby Ginger as a Profitable Crop Through Organic Certification and Value-Added Processing | $9,978       | William Crenshaw  
Farmer                                                                            |
| FS16-291  | Winter Squash Evaluation and Improvement for Downy Mildew Resistance and Fruit Quality | $14,862      | Edmund Frost  
Common Wealth Seed Growers / Twin Oaks Seed Farm                                |
| FS14-280  | Controls on vegetable growth, flowering, and production of Hops in the Southeastern USA | $8,834       | Justen Dick  
Kelly Ridge Farms, LLC                                                            |
| FS14-285  | Development of a Clean Hay Mulch System for a Diverse, Biologically Managed CSA Vegetable Farm | $5,866       | Arthur and Carol Upshur  
Copper Cricket Farm                                                                |
| FS13-273  | Identifying and Marketing Quality Open-Pollinated and Organic Cucurbit Seedstocks for Virginia | $9,963       | Edmund Frost  
Common Wealth Seed Growers / Twin Oaks Seed Farm                                |
| FS12-261  | Are beeswax cappings contaminated with pesticides?                            | $3,500       | Elizabeth LeGall  
Meadows Edge Farm                                                                  |
| FS10-243  | Winter Production of Nucleus Honeybee Colonies                                | $9,944       | John Fraser                                                              |
| FS09-238  | Development of a novel grazing system for sustainability of a cow-calf operation | $9,500       | Jason Carter  
VA Cooperative Extension  
Joe Shomo                                                                       |
| FS09-241  | Developing a Sustainable Commercial Production System for the Goji berry       | $7,349       | Norma Wilson                                                               |

**Ronald Morse**  
Virginia Polytechnic Institute & State University  
**Martha Mewbourne**  
**Brian Noyes**  
Colonial Soil and Water Conservation District  
**John Galbraith**  
Virginia Polytechnic Institute & State University
<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
<th>Budget</th>
<th>Principal Investigator</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>FS08-225</td>
<td>Improving Sustainability of A Long-term Certified Organic Cash Grain Production System</td>
<td>$8,828</td>
<td>W. Todd Henry</td>
<td>Hillsborough Farm</td>
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<td></td>
<td></td>
<td></td>
<td>Kathy Henley</td>
<td>Hillsborough Farm, Inc.</td>
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<tr>
<td>FS08-227</td>
<td>Optimizing management of manure composts to yield high value mushroom crops and soil amendments</td>
<td>$6,317</td>
<td>Mark Jones</td>
<td>Sharondale Farm</td>
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<tr>
<td>FS08-229</td>
<td>Enhanced genetic selection of dairy sheep for the Southern US</td>
<td>$9,486</td>
<td>Marcia McDuffie</td>
<td>Allen’s Creek Farm</td>
</tr>
<tr>
<td>FS08-231</td>
<td>Financial analysis of growing no till organic field corn and wheat using cover crops for weed suppression</td>
<td>$8,827</td>
<td>Joel Thomas Yowell</td>
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<tr>
<td>FS08-223</td>
<td>Promoting Sustainable Beekeeping Practices through local production of nucs (nucleus colonies) and local queen honeybees</td>
<td>$14,736</td>
<td>Karla Eisen</td>
<td>Prince William Regional Beekeepers Association</td>
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<tr>
<td>FS07-217</td>
<td>Low Input No-Till Vegetable Production in the Shenandoah Valley</td>
<td>$9,988</td>
<td>Michael Phillips</td>
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<tr>
<td>FS07-218</td>
<td>Biodegradable Mulch</td>
<td>$3,457</td>
<td>Eric Plaksin</td>
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<tr>
<td>FS06-210</td>
<td>Which Edamame Variety is best for a Market Garden?</td>
<td>$4,459</td>
<td>Patricia Stansbury</td>
<td>Epic Gardens</td>
</tr>
<tr>
<td>FS05-186</td>
<td>Growing Alternative Crops in Tobacco Greenhouses</td>
<td>$4,085</td>
<td>Charlie Broadwater</td>
<td>Clinch Mountain Farmers, Inc</td>
</tr>
<tr>
<td>FS05-192</td>
<td>Managing Cover Crops Under-The-Trellis: A Vital Step Toward Vineyard Sustainability</td>
<td>$9,958</td>
<td>Jason Murray</td>
<td>Virginia Cooperative Extension</td>
</tr>
<tr>
<td>FS05-194</td>
<td>On Farm Hatchery for Fingerling Catfish</td>
<td>$9,450</td>
<td>James O. Shands</td>
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<tr>
<td>FS04-180</td>
<td>A Varroa Mite Management Project</td>
<td>$13,271</td>
<td>Billy M. Davis</td>
<td>Loudoun Beekeepers Association</td>
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<tr>
<td>FS04-179</td>
<td>Production Cost vs. Market Value Comparison of Rare Breed and Commercial Swine</td>
<td>$10,000</td>
<td>Darin Buse</td>
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<tr>
<td>FS03-169</td>
<td>Using Compost Tea to Enhance Growth of Pasture for Livestock Grazing</td>
<td>$8,784</td>
<td>George Nolting</td>
<td></td>
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<tr>
<td>FS03-173</td>
<td>Pasture-based Goat and Sheep Producer to Processor Transfer Station Project</td>
<td>$15,000</td>
<td>Marilyn Sanford</td>
<td>Mid-Atlantic Meat Goat &amp; Lamb Marketing Cooperativ</td>
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<tr>
<td>FS03-177</td>
<td>Nigerian Dwarf Goats for Value-added Dairy Products to Provide Sustainable Off-season Farm Income</td>
<td>$7,317</td>
<td>Liane Young</td>
<td>Kush-Hara Organic Farm</td>
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<tr>
<td>FS02-147</td>
<td>Appropriate-Scale, Inexpensive Cheese Vat for the Farmstead Cheesemaker</td>
<td>$6,430</td>
<td>Vicki Dunaway</td>
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<tr>
<td>FS02-153</td>
<td>Making Honey Bee Pollination More Sustainable by Reducing Miticides to Control Varroa Mites</td>
<td>$9,340</td>
<td>Wyatt A. Mangum</td>
<td></td>
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<tr>
<td>Project #</td>
<td>Project Title</td>
<td>SARE Support</td>
<td>Project Leaders</td>
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<tr>
<td>FS02-154</td>
<td>Scott County Hair Sheep Faire</td>
<td>$3,068</td>
<td>Martha Mewbourne</td>
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<tr>
<td>FS02-158</td>
<td>Winter Green Manure Crops for Organic Vegetable Production in the Tidewater Virginia Region</td>
<td>$4,785</td>
<td>J. W. Phillips</td>
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<tr>
<td>FS01-136</td>
<td>A Natural Control for Algae in Virginia Farm Ponds</td>
<td>$5,140</td>
<td>Linda Layne, Virginia Fish Farmers Association</td>
<td></td>
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<tr>
<td>FS00-108</td>
<td>Community Supported Agriculture Marketing Program</td>
<td>$14,975</td>
<td>Alice Coles, Bayview Citizens for Social Justice Inc.</td>
<td></td>
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<tr>
<td>FS00-115</td>
<td>Agricultural Entrepreneur Course</td>
<td>$14,500</td>
<td>Sharon Keith, Farmer Market Association</td>
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</tr>
<tr>
<td>FS00-117</td>
<td>Building a Successful Small-Farmer Marketing Group When Customers are Geographically Dispersed</td>
<td>$14,800</td>
<td>Ned Johnson, Highlands Bioproduce, Inc.</td>
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<tr>
<td>FS00-119</td>
<td>Developing a Producers’ Cooperative and Market for Free-Range Poultry</td>
<td>$9,672</td>
<td>Andy Lee, Good Earth Organic Farm</td>
<td></td>
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<tr>
<td>FS00-120</td>
<td>Cut Flowers: Tilapia Aquaponics Study</td>
<td>$5,111</td>
<td>Bert McLaughlin</td>
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<tr>
<td>FS00-124</td>
<td>Marketing Open-Pollinated Garden Seed as an Alternative Crop</td>
<td>$4,486</td>
<td>Brian Rakita, Acorn Farm</td>
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<tr>
<td>FS98-073</td>
<td>Developing a Dairy Hair Sheep: Assessing the Potentials</td>
<td>$4,377</td>
<td>Amy Hayner</td>
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<tr>
<td>FS98-077</td>
<td>Test Marketing and Financial Analysis of Fresh Cut Flowers</td>
<td>$5,416</td>
<td>Emmet Lowe</td>
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<tr>
<td>FS98-081</td>
<td>Soil Nutrient Balancing in Vegetable Production</td>
<td>$7,325</td>
<td>Mark W. Schonbeck, Virginia Association for Biological Farming</td>
<td></td>
</tr>
<tr>
<td>FS95-020</td>
<td>No-Tillage Production of Transplanted Crops in High Cover Crop Residues</td>
<td>$8,300</td>
<td>Linford Belcher</td>
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<tr>
<td>FS95-024</td>
<td>Alternative Control of Soil Diseases in Vegetable Production</td>
<td>$5,625</td>
<td>Dennis C. Dove, Buttercup Gardens</td>
<td></td>
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</tbody>
</table>

**GRADUATE STUDENT GRANTS**

<table>
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<tr>
<th>Project #</th>
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<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS20-232</td>
<td>Assessing suitable production techniques for ramps in Appalachia</td>
<td>$14,660</td>
<td>Dr. John Munsell, Virginia Tech - Department of Forest Resources and Environmental School of Plant and Environmental Sciences, Virginia Tech</td>
</tr>
<tr>
<td>GS19-204</td>
<td>Production of High Protein Feeds from Brewer's Spent Grain to Replace Fishmeal in Aquaculture Diets</td>
<td>$16,333</td>
<td>Haibo Huang, Yanhong He, Virginia Polytechnic Institute &amp; State University</td>
</tr>
</tbody>
</table>
Investing in Tribal Food Security and Agricultural Recovery $15,740
Marcus Comer
Teena Hamlin
Virginia Polytechnic Institute & State University

Cortisol as an Indicator of Stress in Animals Under Different Grazing Systems $13,500
John Fike
Sanjok Poudel
Virginia Polytechnic Institute and State University

Ecology and Impact of Chauliognathus spp. as Beneficial Insects in Agricultural Integrated Pest Management $15,234
Dr. Thomas Kuhar
Katlyn Catron
Virginia Tech

Farmers’ Market Leadership: Factors contributing to success and failure $11,823
Eric Kaufman
Jama Coartney
Virginia Tech

Development of a Novel Approach for Monitoring the Samurai Wasp, Trissolcus japonicus (Ashmead), an Effective Parasitoid of the Brown Marmorated Stink Bug, Halyomorpha halys (Stal) $14,813
Chris Bergh
Nicole Quinn
Virginia Tech

Enhancing Biological Control in Vegetable Production in Eastern Virginia and Maryland $16,105
Megan O'Rourke
Christopher McCullough
Virginia Tech

Effect of Cultural Practices in Controlling Southern Blight of Potato in the Mid-Atlantic Region $16,413
Steven Rideout
Jose Garcia Gonzalez
Virginia Tech

Living Soil for a Sustainable Future: Assessing the Effects of Cover Crops and Tillage on the Soil Microbial Community and Health $10,995
Dr. Ramon Arancibia
Samantha Taggart
Virginia Tech

Designing and Evaluating Complex Cover Crop Mixtures $10,994
Dr. Mark Reiter
Bethany Wolters
Virginia Tech

Shade Effects on Yield, Botanical Composition, Nutritive Value, and Ergot Alkaloid Concentrations of Forage Mixtures for Silvopastures $11,000
Dr. Chris Teutsch
Kelly Mercier
Virginia Tech

Improved Trapping Strategies for Managing Harlequin Bug: Applying recent research and discovery of its aggregation pheromone as a tool for vegetable growers $9,893
Dr. Thomas Kuhar
Anthony Dimeglio
Virginia Tech

Non chemical methods of weed control in strawberry annual plasticulture system $11,000
Dr. Jayesh Samtani
Sanghamitra Das
Virginia Tech

Acoustic analysis: A novel way to measure livestock grazing behavior $10,981
Gabriel Pent
John Fike
Gabriel Pent
Virginia Tech
ON FARM RESEARCH/PARTNERSHIP GRANTS

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<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS18-111</td>
<td>Evaluating Legume Cover Crops for Sustainable Corn Grain Production in the Virginia Coastal Plain</td>
<td>$9,747</td>
<td>Keith Balderson, Northern Neck Soil and Water Conservation District</td>
</tr>
<tr>
<td>OS18-122</td>
<td>Sustainable Varroa Mite Management in Honey Bee Queen Production</td>
<td>$14,998</td>
<td>Dr. James Wilson, Virginia Tech</td>
</tr>
<tr>
<td>OS17-103</td>
<td>Integrating Cropping Practices to Improve Nutrient Management Plans and Ensure Environmental and Economic Sustainability in Dairy Farming Systems</td>
<td>$15,000</td>
<td>Gonzalo Ferreira, Virginia Tech</td>
</tr>
<tr>
<td>OS17-107</td>
<td>Use of Protective Covers to Reduce Fungicide Usages in Organic Wine Grape Production in Virginia</td>
<td>$15,000</td>
<td>Mizuho Nita, Virginia Tech</td>
</tr>
<tr>
<td>OS13-069</td>
<td>Developing jujube (Ziziphus jujube Mill) or Chinese date as an alternative fruit tree crop to improve sustainability of small farmers in Mississippi</td>
<td>$15,000</td>
<td>Dr. Ramon Arancibia, University of Missouri Extension</td>
</tr>
</tbody>
</table>
Sustainable practices for the management of the invasive brown marmorated stink bug, Halyomorpha halys (Stal), on vegetables

Appalachian Forest Farming Network for Native Medicinal Plant Production

Allelopathic potential of a biculture cover cropping system utilizing Fabaceae and Brassicaceae cover crops

Reducing soil erosion and nitrogen leaching through sustainable cropping systems

Production, Marketing and Financial Analysis of Seedless Watermelons Growing in Tobacco Transplant Greenhouses

Direct Marketing Assessment for the Potential of Ethnic Crops

Developing Sustainable Internal Parasite Control Programs for Small Ruminants

SUSTAINABLE COMMUNITY INNOVATION GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS12-090</td>
<td>The Montgomery County Farm to Community Planning Project</td>
<td>$9,997</td>
<td>Ellen Stewart Friends of the Farmers Market</td>
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<tr>
<td>CS12-091</td>
<td>Refugee Farm Worker Training Program</td>
<td>$10,000</td>
<td>Adrianna Vargo Local Food Hub</td>
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<tr>
<td>CS08-066</td>
<td>Growing Food &amp; Community: 2009 Initiatives</td>
<td>$10,000</td>
<td>Dawn Story Growing Food &amp; Community</td>
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<tr>
<td>CS06-043</td>
<td>Building sustainable communities through agricultural and food-based entrepreneurship</td>
<td>$10,000</td>
<td>Julie Brown Institute for Advanced Learning and Research</td>
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<tr>
<td>CS06-047</td>
<td>Value-added Sustainable Agriculture Initiative</td>
<td>$40,000</td>
<td>Kathryn Chupik Appalachian Sustainable Development</td>
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<td>CS03-011</td>
<td>Making the Connection: Enhancing Agricultural Understanding in an Urbanizing Area</td>
<td>$7,200</td>
<td>Suzanne Heflin Prince William County Farm Tour</td>
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<tr>
<td>CS03-015</td>
<td>Community Development through a Regional Food System Plan</td>
<td>$10,000</td>
<td>Barbara Schwenk Accomack-Northampton Planning District Commission</td>
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<tr>
<td>CS02-001</td>
<td>Agri-tourism: A Strategy Toward Sustainable Farm, Business, Family and Community</td>
<td>$8,230</td>
<td>Brian Calhoun Virginia Cooperative Extension</td>
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<td>CS02-003</td>
<td>Making the Connection: Enhancing Agricultural Understanding in an Urbanizing Area</td>
<td>$7,300</td>
<td>Suzanne Heflin Prince William County Farm Tour</td>
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</table>

Total funding from the USDA SARE program to Virginia
$5,787,078

For further information on projects, contact Candace Pollock, Southern SARE public relations coordinator, at (770) 412-4786 or cpollock@uga.edu. Sustainable Agriculture Research and Education (SARE) is funded by USDA’s National Institute of Food and Agriculture (NIFA).