



AGRICULTURE PROJECTS FUNDED IN WEST VIRGINIA

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2016

West Virginia has been awarded \$2,332,870 to support 79 projects, including but not limited to, 11 research and/or education projects, 7 professional development projects and 39 producer-led projects. West Virginia has also received additional SARE support through multi-state projects.

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RESEARCH AND EDUCATION GRANTS

| Project # | Project Title | SARE support | Project Leaders |
|---------------------------|---|--------------|---|
| LNE16-350 | Refining an attracticidal sphere management system for spotted-wing drosophila in small fruit production | \$198,902 | Dr.Tracy Leskey USDA-ARS |
| LNE14-334 | Building attract-and-kill systems for management of the brown marmorated stink bug in apple orchards | \$249,967 | Dr.Tracy Leskey USDA-ARS |
| LNE14-333 | Enhancing the productivity of ewe lambs through the use of reproductive management | \$134,152 | Marlon Knights West Virginia University |
| LNE06-249 | Evaluation of field density, cultivar preference, and northeast grower evaluation of the hornfaced bee as an alternative sustainable pollinator for highbush blueberry production | \$96,380 | Dr.Todd West West Virginia University |
| LNE05-218 | Multi-stakeholder collaboration for profitable and ecological cultivation of forest medicinals | \$103,500 | Dennis Hosack Rural Action- Appalachian Forest Resource Center |
| LNE04-207 | Decision Enabling Data Collection and Management Project | \$100,081 | Tom McConnell West Virginia University |
| LNE04-197 | Understanding and Improving E-Commerce Use by Small Farms | \$85,317 | Cheryl Brown West Virginia University |
| LNE02-158 | Comparison of Organic Farming Systems Using Off-Farm Nitrogen with & without Animals | \$149,968 | Sven Verlinden West Virginia University |
| LNE00-139 | Improving Farm Profits by Developing a Niche Market for Green-Certified Senior Calf Beef | \$112,621 | W. Neil Gillies Cacapon Institute |

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| LNE99-123 | Systems of Transition from Conventional to Organic Agricultural Production | \$212,247 | James Kotcon College of Agriculture, Forestry & Consumer Sciences |
| LNE98-105 | Controlling Honeybee Mites with Essential Oils | \$80,000 | James Amrine West Virginia University |

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

| Project # | Project Title | SARE support | Project Leaders |
|---------------------------|---|--------------|---|
| ENE12-126 | Professional Development for Agricultural Service Providers in Pollution Discharge Elimination System | \$26,699 | Dr.Doolarie Singh-Knights West Virginia University |
| ENE08-109 | An Educational Program to Expand Season Extension of Horticulture Crops in West Virginia | \$52,517 | Dr.Lewis Jett West Virginia University |
| ENE03-078 | Increasing returns from farm woodlots with owner-operated processing of timber | \$79,895 | David McGill WVU Appalachian Hardwood Center |
| ENE03-077 | Timber to truffles: West Virginia workshops in traditional and special forest products | \$61,614 | David McGill WVU Appalachian Hardwood Center |
| ENE02-070 | Consumer-Driven Marketing | \$40,503 | Tom McConnell West Virginia University |
| ENE98-045 | Re-Inventing the Appalachian Shepherd | \$6,500 | Tom McConnell West Virginia University |
| ENE94-002 | Extension Agent Training in Sustainable Agriculture | \$41,600 | John Jett West Virginia University |

FARMER/RANCHER GRANTS

| Project # | Project Title | SARE support | Project Leaders |
|---------------------------|---|--------------|--|
| FNE15-831 | West Virginia Pollen Project 2015 | \$14,990 | Michael Staddon Honey Glen |
| FNE13-775 | Hay net/plastic sleever | \$5,631 | Lonnie Fast Fast Hay Movers Inc. |
| FNE12-759 | Integrated trap crop and pheromone trap system for organic management of brown marmorated stink bug | \$14,998 | Dr.Clarissa Mathews Redbud Farm, LLC |
| FNE10-678 | Modified Use of Spored Oil for Profitable Production of Mushrooms | \$15,000 | Lawrence Beckerle Mountaintop Quail Farms |
| FNE08-649 | Open range woodlands: An untapped resource for small-scale farms | \$6,432 | Chuck Talbott Black Oak Holler Farm, LLC |
| FNE08-651 | Summer veggie snack mix: Product development and processing of excess | \$5,991 | Pam West West Farm |

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| | summer vegetables into a value-added dried snack mix and soup blend | | |
| FNE08-638 | Using high tunnels to produce blackberries organically in West Virginia | \$6,318 | William Jett Dr. Lewis Jett West Virginia University |
| FNE07-599 | Medicinal herb seed and seedling rootlet production | \$7,115 | David Carman |
| FNE06-593 | Producing upscale pork for small-scale farmers: An Appalachian application | \$8,254 | Chuck Talbott Black Oak Holler Farm, LLC |
| FNE06-577 | Using three-quarter American chestnut hybrids for timber, wildlife, and nut production | \$5,234 | Don W. Kines Mountain State Chestnuts |
| FNE05-554 | Horn-faced bees vs. indigenous pollinators in blueberries | \$4,304 | Robert McConnell McConnell Berry Farm |
| FNE04-538 | An Economic Analysis of Precision Agriculture on Pastureland in Monroe County, WV | \$4,000 | Brian Wickline |
| FNE04-526 | Evaluating Marshall Ryegrass | \$1,699 | Roy Metheney |
| FNE04-519 | Greenhouse Production of West Virginia '63 Tomato Seed | \$5,588 | Karen Hyde |
| FNE04-522 | Improved feasibility of sustainable salad production | \$9,199 | Barry Landers Mountain State Innovations, INC |
| FNE04-536 | Pastured Rabbits | \$5,437 | Cindy Welch Mountain Berry Farms |
| FNE03-475 | Using Pasture Poultry as a Nitrogen Return for Summer Slump Grazing of Rape by Sheep | \$3,283 | Isaac Lewis Greenwood Acres Farm |
| FNE03-462 | Yield Differences Between Log Cultivation of Shiitake Mushrooms and Indoor Enriched Blocks | \$5,740 | Daniel Freeman Freeman Fungi |
| FNE02-438 | Continuation and Refinement of Two Approaches to Farm-Grown Nitrogen | \$1,006 | Susan Sauter |
| FNE02-417 | Profitability of Ethnic Vegetable Varieties for Sale in Urban Niche Markets | \$2,811 | Haroun Hallack Red Bud Farm |
| FNE02-440 | West Virginia Herb Growers Research Project | \$6,879 | Scott Snyder WV Herb Assoc. |
| FNE01-358 | Essential Oil Distillation for West Virginia Herb Growers: A Smell-Good Project | \$6,035 | Myra Bonhage-Hale La Paix Herb Farm |

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| FNE01-365 | Spuds - Under Organic Mulch vs. in the Soil | \$1,465 | Sue Cosgrove LeeJun Farm |
| FNE01-397 | Two Approaches to Farm-Grown Nitrogen | \$2,707 | Susan Truxell Sauter |
| FNE00-326 | American chestnut field trial. | \$4,335 | Larry Boggs |
| FNE00-295 | Spuds - Under Organic Mulch vs. in the Soil | \$1,265 | Sue Cosgrove LeeJun Farm |
| FNE99-279 | Control of Eastern Red Cedar and Multiflora Rose by Nutrient Management and Intensive Grazing | \$8,500 | Jason Teets Tiech Angus Farm |
| FNE99-286 | Integrated Forest Farming: Medicinal Herb Cultivation, Mushroom Production, and Forest Restoration | \$7,995 | Frederick D. Hays |
| FNE99-246 | Intensive Grazing System | \$2,515 | Milford Gibson |
| FNE99-291 | Making the Farm Profitable Using Agroforestry | \$6,000 | Bill Slagle |
| FNE99-283 | Sustainable Production of Specialty Cut Flowers through Improved Soil Structure | \$2,154 | Pam West West Farm |
| FNE98-226 | Expanding Local Production of Cage Cultured Hybrid Bass by Demonstrating an Integrated Approach with Limited Space and Equipment and Farmer Cooperation | \$4,996 | Frederick D. Hays |
| FNE98-225 | Year Round Hydroponic Tomato Production | \$2,499 | Donnie Tenney |
| FNE97-163 | Christmas Lights and Deer Scents | \$937 | Myra Bonhage-Hale La Paix Herb Farm |
| FNE97-168 | Evaluating Forage Quality and Yield in Pastures in the Shenandoah Valley | \$2,753 | Bill Grantham |
| FNE95-110 | Utilizing a Living Mulch System for Specialty Cut Flower Production & Pasture Regeneration | \$1,605 | Pam Talley |
| FNE93-004 | Evaluation of Five Organic Techniques for Controlling Flea Beetles on Kennebec Potatoes | \$755 | Myra Bonhage-Hale La Paix Herb Farm |
| FNE93-007 | Ginseng Production Project | \$1,750 | Van & Edna Wysong |

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| FNE93-032 | Managing Crowded Woodlots through Shiitake Mushroom Production | \$3,000 | Pam Talley |
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GRADUATE STUDENT GRANTS

| Project # | Project Title | SARE support | Project Leaders |
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| GNE14-079 | The Effects of Poultry Litter Biochar as a Viable Feed Ingredient in Poultry Diets | \$14,989 | Ashley Evans West Virginia University |
| GNE13-067 | Novel blood metabolites as pre-onset predictors of postpartum metabolic disease in overconditioned transition dairy cows | \$14,995 | Jorge Eduardo Rico Navarrete West Virginia University |
| GNE12-041 | Meeting demand for local food in West Virginia: Do regional factors limit or enable farmer supply response? | \$14,877 | Ruth Oldham West Virginia University |
| GNE11-029 | Effect of Continuous Suckling/"Ewe-rearing" on Growth and Level of Parasitism of Lambs and on Productivity and Profitability of Lamb Operations | \$14,741 | Stephanie Simpson WVU |
| GNE11-015 | Increasing Adoption of Out-of-Season Breeding to Enhance Profitability of Sheep Producers in West Virginia | \$14,999 | Kellie D'Souza WVU |

ON-FARM RESEARCH/PARTNER GRANTS

| Project # | Project Title | SARE support | Project Leaders |
|----------------------------|---|---------------------|---|
| ONE16-264 | Developing farm-to-institution grower capacity for leafy green vegetables in the Eastern Panhandle Region of West Virginia | \$14,965 | Dr.Lewis Jett West Virginia University |
| ONE16-273 | Exploring equipment sharing models in the rural Appalachian landscape of southern West Virginia | \$14,998 | Anne Stroud Downstream Strategies |
| ONE16-289c | West Virginia 2016 cover crop initiative for promoting soil health | \$11,107 | Thomas Basden West Virginia University Extension Service |
| ONE15-245 | Management of soilborne diseases in small farms with eco-friendly treatment options | \$14,792 | Dr.Mahfuz Rahman West Virginia University |
| ONE14-223 | Enhancing productivity of sheep through greater access and use of genetically evaluated | \$12,156 | Dr.Doolarie Singh-Knights West Virginia University |
| ONE14-211 | The Farm Micro-Enterprise Development Program in the mid-Ohio Valley: Can extended season high tunnel production increase agricultural self-employment? | \$14,996 | Lauren Kemp Unlimited Future Inc |
| ONE12-170 | Cooperative farm-to-school pilot program | \$4,697 | Jennifer Poling West Virginia University Extension |
| ONE12-168 | Empowering small farms to make big decisions: Examining profitability of local | \$14,959 | Sigrid Teets WesMonTy RC&D |

markets in West Virginia

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| ONE09-111 | Evaluating the Use and Seed Production of Forage Radishes in Field and Forage Crop Fields to Control Compaction, Concentrate Nutrients, Suppress Weeds and provide a local seed source in Limestone Soil of the Northern Shenandoah Valley | \$9,485 | Craig Yohn West Virginia University Extension Service |
| ONE09-105 | The Utility of Crotalaria juncea as a Cover Crop in a Temperate Climate | \$9,644 | Dr. Gerald Leather West Virginia University |
| ONE05-049 | Evaluating hornfaced bees (<i>Osmia cornifrons</i> Radoszkowski) as pollinators of highbush blueberry | \$9,933 | Dr. Todd West West Virginia University |
| ONE04-023 | Use of a Baited Trap Crop for Stink Bug Management in Peaches | \$9,180 | Henry Hogmire West Virginia University |

COMMUNITY INNOVATION GRANTS

| Project # | Project Title | SARE support | Project Leaders |
|---------------------------|---|--------------|---|
| CNE11-087 | Pocahontas County Marketing Coordinator | \$14,175 | Jill Young Greenbrier Valley Economic Development Corp |
| CNE08-038 | Farmers harness the web to market their products | \$10,000 | Allen Arnold Collaborative for the 21st Century Appalachia |
| CNE07-032 | Adding value to the sustainable farm | \$25,000 | Allen Arnold Collaborative for the 21st Century Appalachia |
| CNE07-037 | Development of an outreach program to promote wood residue utilization for bioenergy in West Virginia | \$24,962 | Dr. Jingxin Wang West Virginia University |
| CNE06-001 | Farm Fresh - Buying Local | \$9,582 | Allen Arnold Collaborative for the 21st Century Appalachia |

**Total funding from the USDA SARE program to
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For further information on projects, contact Helen Husher, Northeast SARE communications specialist, at (802) 656-7923 or helen.husher@uvm.edu.

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