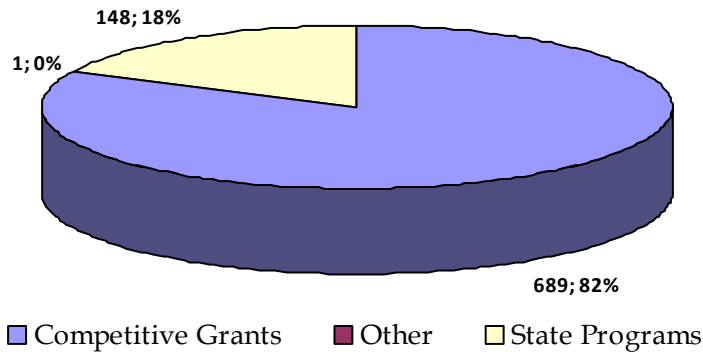




Fiscal Year 2014 Description of Funded Projects

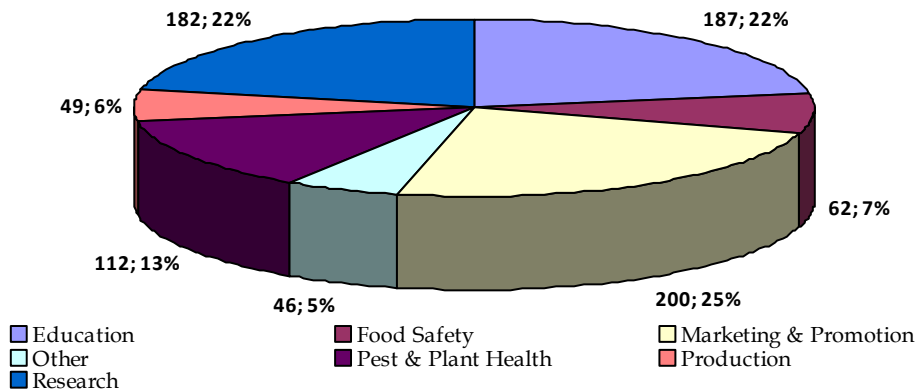
The fifty States, the District of Columbia and three U.S. Territories were awarded Fiscal Year 2014 funds to perform a total of 838 projects that benefit the specialty crop industry. All the eligible entities with the exception of the U.S. Virgin Islands submitted their applications by the established deadline of July 9, 2014. The approved awards are listed alphabetically.

2014 Project Delivery Types



- State Program** The proposal illustrated that the State department of agriculture planned to administer the project and/or a competitive grant program was not conducted.
- Competitive Grants** The proposal demonstrated that a fair and open competition was conducted and the project partner(s) are clearly involved.
- Other** The proposal illustrated that project partners met with the grantee to determine project priorities, but an open competitive grant program was not conducted.

2014 Project Types



Alabama Department of Agriculture and Industries

Amount Awarded:

\$473,356.76

Number of Projects:

19

<ul style="list-style-type: none"> • <i>Determination of Production Costs and Viable Market Strategies for Ethnic Vegetable Crops for Sustaining Small Farms in Alabama.</i> Partner with the Urban Unit of Alabama Cooperative Extension System (ACES) at Alabama A&M University to increase the availability of ethnic fruit and vegetable crops in Alabama by evaluating the economic feasibility of the ethnic fruit and vegetable business enterprise in North Alabama, determining cost of production, and marketing capacity and workshops to educate farmers on ethnic crop enterprise and opportunities available. 	<p>Project Budget: \$24,959.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Alabama Green Industry Training Center, Inc. – Specialty crop Training Initiative</i> Partner with Alabama Green Industry Training Center, Inc. to improve specialty crop growers' skills in business operations, safety management by providing training for the greenhouse, nursery, floriculture, and sod specialty crop growers across Alabama. 	<p>Project Budget: \$25,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Economic Impact Analysis of the Alabama Fruit and Vegetable Industry</i> Partner with Auburn University and Alabama Cooperative Extension System to increase producer, industry professional, and the public's knowledge of the enterprise composition, performance, and economic importance of the fruit and vegetable industry in Alabama by conducting a study into the composition, performance, and the overall economic importance of the fruit and vegetable industry in Alabama. 	<p>Project Budget: \$24,838.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Innovative Bunch Grape Production Technologies for Enhanced Sustainability of Local Food Systems</i> Partner with Auburn University and the Alabama Cooperative Extension System to increase grape producers' knowledge of V. vinifera and other bunch grape production practices by delivering four in-depth workshops on bunch grape production that will facilitate the transfer the new grape technology. 	<p>Project Budget: \$24,183.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>A Pilot Program Utilizing Plasticulture in School/Community Gardens to Create Healthy Lifestyles</i> Partner with the Alabama Agricultural Development Authority to increase nutrition knowledge and consumption of specialty crops by school children and senior citizens by developing and distributing a packaged program of small plasticulture gardens and nutrition education presentations that can be utilized at any school or elderly housing facility. 	<p>Project Budget: \$16,192.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Utilization of Novel Irrigation and Fertilization Practices to Enhance Pecan Production in Alabama</i> Partner with Auburn University to provide a reliable model for Alabama pecan growers to follow to increase their crop yield and profits by investigating the effects of irrigation timing and volume and phosphate fertilizer application methods on pecan yield and quality. 	<p>Project Budget: \$60,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Natural Pollinator Enhancement Project</i> Partner with Auburn University to increase the number of natural pollinators in Alabama by setting up new beekeepers and colonies of bumblebees, surveying them to determine if there is an increase in pollination in the state, and providing instruction and education for these new beekeepers. 	<p>Project Budget: \$25,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Auburn University at Montgomery Small Fruit and Nut Teaching and Demonstration Gardens</i> Partner with Auburn University of Montgomery to encourage small fruit and Chinese chestnut production and consumption through advertising, conducting live classes, creating a web portal and planting five demonstration gardens to show potential growers the nutritional and economic value. 	<p>Project Budget: \$24,778.57 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Hawk's Park Outdoor Learning Center</i> Partner with Hawk's Park Garden Committee to increase child understanding of organic gardening and a healthy diet of fruits and vegetables by implementing a program that enables students to start specialty crops earlier and grow vegetables year round and promoting an outdoor learning experience for students to grow specialty crops. 	<p>Project Budget: \$5,000.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Investigating Opportunities for the Sale of Local Specialty Crops to Public Institutions in Southwest Alabama</i> Partner with Auburn University to increase specialty crop production and sales to public institutions by developing and presenting information detailing the ins and outs of selling locally grown specialty crops to public institutions such as schools, prisons, and military bases in Mobile County. 	<p>Project Budget: \$14,593.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Seed to Table</i> Partner with Mobile Development Enterprises to encourage specialty crop production for home use by launching a train-the-trainer component and gardeners will be taught how to grow and manage their plots and prepare the vegetables for consumption. 	<p>Project Budget: \$20,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Enhancing Greenhouse Lettuce Production through Non-Traditional Heating and Cooling Systems</i> Partner with Auburn University to enhance greenhouse lettuce production in Alabama by reducing heating costs and improving greenhouse cooling through the development of an economic model that illustrates a comparison of conventional heating and cooling to non-conventional methods used to modify nutrient solution temperatures using a geothermal heat pump for both heating and cooling coupled with energy savings. 	<p>Project Budget: \$24,949.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Trinity Gardens Community Gardens</i> Partner with the Bay Area Women Coalition to increase access to fresh fruits and vegetables in low wealth neighborhoods by offering opportunities for community youths, leaders, churches, businesses, and schools to develop and maintain a community garden while providing a significant source of food and income. 	<p>Project Budget: \$23,310.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expanding Services of the Alabama Sustainable Agriculture Network for Supporting (ASAN) for Supporting the Local Food and Specialty Crop Industry in A</i> Partner with the Alabama Cooperative Extension System to support the growing specialty crop industry by developing and distributing a printed statewide food and farm guide to raise awareness of Alabama grown produce to consumers, research building a web and mobile version of the guide and pay registration fees for producers to attend a conference where they will take advantage of top quality training on topics to improve their business. 	<p>Project Budget: \$24,779.02 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Community Gardens: The Master's Garden in Montgomery's Chisholm Community</i> Partner with the First Baptist Church-Community Ministries, Inc. to teach people of all ages how to garden; develop healthy eating habits through proper nutrition; bring families together to build positive relationships in a nurturing environment; supply fresh produce for Chisholm residents and those living in the Women's Shelter of the Friendship Mission; and foster community change by developing a community garden. 	<p>Project Budget: \$24,997.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Good Food Day Program</i> Partner with the Hampstead Institute to develop healthy eating habits in children by teaching them about fresh fruits and vegetables, healthy eating, and the importance of making good diet choices in the Good Food Day program. 	<p>Project Budget: \$26,590.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Bio-BOOM: Boosting Crop Production Using Alabama Specific Symbionts</i> Partner with the University of West Alabama to enhance tomato growth and production yields by using beneficial fungal symbionts by testing the role of using fungal endophytes as bio-fertilizer on tomato plants. 	<p>Project Budget: \$22,510.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>A Project to Enhance Food Safety in Regional Small Scale Honey Production by Reduction/Elimination of Contaminates Utilizing Practices for Better Proc</i> Partner with East Alabama Beekeepers Association to improve the control of contaminants in locally produced honey by assembling a health department certifiable hygienic mobile bottling unit in a cargo trailer so commercial grade honey processing equipment is readily available to all members and publish a better process control plan document. 	<p>Project Budget: \$25,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$35,064.85 Indirect Costs: \$0.00</p>

Alaska Division of Agriculture

Amount Awarded:	\$232,029.92	Number of Projects:	8
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<ul style="list-style-type: none"> • <i>Specialty Crops in Summer Meals</i> Partner with the Alaska Child Nutrition Program to enhance the knowledge of food service staff about the production and availability of local specialty crops, as well as, to increase the number of Summer Food Service programs serving a wide variety of specialty crop food choices in their meals by providing educational opportunities for youth and community members such as specialty crop oriented field trips and lessons. 	<p>Project Budget: \$31,837.63 Indirect Costs: \$2,547.01</p>
<ul style="list-style-type: none"> • <i>Chef at the Market</i> Increase sales of specialty crops at farmers' markets by continuing to implement the Chef at the Market program, which provides chef demonstrations at farmers' markets utilizing available Alaska Grown specialty crops. 	<p>Project Budget: \$32,875.20 Indirect Costs: \$2,230.02</p>
<ul style="list-style-type: none"> • <i>Determining Feasibility for Cultivating Species of Edible Fungi for Food and Packaging in Alaska</i> Partner with the Artic Fungi Project to introduce local specialty crop producers to the opportunities of fungi production by conducting a feasibility study of the year-round commercial cultivation of several species of mushrooms in Alaska for food and packaging material. 	<p>Project Budget: \$30,816.60 Indirect Costs: \$2,465.33</p>
<ul style="list-style-type: none"> • <i>Identification and Management of Botrytis Gray Mold Species for Alaska's Peony Growers</i> Partner with the University of Alaska Fairbanks and Washington State University to study a sampling of Alaska field grown peonies to verify species identification and the biology and pathogenicity of Botrytis gray mold, which is the single most important disease of Alaska field-grown peonies and cut stems in storage. The research findings will be used to develop grower integrated Botrytis disease management guides for peonies. 	<p>Project Budget: \$29,011.60 Indirect Costs: \$2,320.93</p>
<ul style="list-style-type: none"> • <i>Impact and Management of Thrips in Alaska Peony Production</i> Partner with the University of Alaska Fairbanks to develop guides for peony growers to help manage western flower thrips (<i>Frankliniella occidentalis</i> and tobacco thrips) by defining life cycles of pest and determining problematic stages of development, as well as, identifying plant cultivar susceptibility as it relates to flower colors in peony fields. 	<p>Project Budget: \$28,011.60 Indirect Costs: \$2,240.93</p>
<ul style="list-style-type: none"> • <i>Assessing Alaska Peony Nutrient Requirements to Reduce Production Costs and Improve Competitiveness</i> Partner with the University of Alaska Fairbanks to increase the knowledge of Alaska Peony growers and the cut flower industry by developing an adequate nutrient standard and best management practices for field grown peonies. 	<p>Project Budget: \$28,859.60 Indirect Costs: \$2,308.77</p>
<ul style="list-style-type: none"> • <i>PMC Cauliflower Trial</i> Identify varieties of cauliflower suitable for Alaska field production by assessing yield, head uniformity, maturation dates, field holding capability and head size, shape and color of forty different cauliflower varieties through field trials, will add to scarce information on cauliflower data in the state and will be vital information to specialty crop producers in the state. 	<p>Project Budget: \$32,592.89 Indirect Costs: \$2,607.43</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$1,237.85 Indirect Costs: \$0.00</p>

American Samoa Department of Agriculture

Amount Awarded:	\$262,963.01	Number of Projects:	1
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<ul style="list-style-type: none"> • <i>Healthy Eating, Healthy Living Program</i> Promote the integration of specialty crops into the daily diet of the Samoan community by developing an awareness campaign focusing on the health benefits of locally grown Specialty Crop fruits and vegetables, which will include an outreach effort with focus on local primary and secondary schools. 	<p>Project Budget: \$241,691.87 Indirect Costs: \$21,015.00</p>
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Arizona Department of Agriculture

Amount Awarded: \$1,105,843.55 **Number of Projects:** 19

<ul style="list-style-type: none"> <p>• 2014 Arizona Edible School Gardens</p> <p>Partner with West Growers Foundation to increase the knowledge of students in the importance of good nutrition and a better understanding of where their food comes from by creating and sustaining edible school gardens at fifty Arizona schools (K-12).</p> 	<p>Project Budget: \$50,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• 2015 SWAS-A Collaborative Educational Conference</p> <p>Partner with the Yuma Fresh Vegetable Association to educate the specialty crop industry about the technological advances and emerging issues in the industry by conducting the 2015 Southwest Ag Summit, which promotes interaction between educators, regulators, specialists, farmers and students of the Southwest specialty crop industry.</p> 	<p>Project Budget: \$80,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• Continuation of GHP/GAP Certification One-on-One Assistance Program</p> <p>Increase Arizona specialty crop producer knowledge of Good Handling Practices and Good Agricultural Practices (GHP/GAP) by providing one-on-one assistance and workshops to help them prepare and obtain GHP/GAP certification.</p> 	<p>Project Budget: \$33,240.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• It's all about the Fruits and Veggies</p> <p>Partner with the Arizona Farm Bureau to introduce more teachers and students to specialty crops by developing and implementing project-based learning curriculum package that will enable teachers to easily use specialty crop agricultural practices in school gardens to reach the Arizona College and Career Readiness Standards and classroom learning goals.</p> 	<p>Project Budget: \$24,950.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• POWer Play'te/National Nutrition Month</p> <p>Partner with Power Fresh Kids to encourage Arizona school children to eat more fruits and vegetables by introducing a kid friendly approach, in 6 elementary schools for one week during National Nutrition Month, serving school lunches on 10" plates modeled after U.S. Department of Agriculture's Choose MY Plate graphic, educational materials will be provided to schools and outreach to parents, outcomes measured by a pre and post survey to measure the increase of consumption and knowledge resulting from this project.</p> 	<p>Project Budget: \$50,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• School Garden Food Safety On-Line Training</p> <p>Partner with the University of Arizona Cooperative Extension to increase student and teacher knowledge about Arizona's specialty crops food safety practices in school gardens by developing a project-based learning curriculum package that will enable teachers to easily use agriculture to reach College and Career Readiness Standards and classroom learning goals.</p> 	<p>Project Budget: \$33,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• Arizona Grown Marketing Efforts Phase 4</p> <p>Increase consumer awareness of Arizona Grown produce and nursery plants by continuing a media campaign using digital billboards, public relations efforts with Arizona Grown items, daily Facebook postings and other social media platforms.</p> 	<p>Project Budget: \$75,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• Plant Something Campaign Marketing Support</p> <p>Partner with the Arizona Nursery Association to increase Arizona grown low-water use plant sales by continuing to implement the "Plant Something" promotion to include advertisements (e.g., radio, digital billboards, cable, and print), online media and Facebook postings, and industry specific events.</p> 	<p>Project Budget: \$80,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• Creation of Self-Sterilizing Harvesting Tools</p> <p>Partner with the University of Arizona to address the need to maintain produce safety during harvest by investigating a long term sterilization method using quaternary ammonium compounds on harvesting materials (e.g., cutting knives, packing crates, plastic pallets and processing tables) to control/eliminate bacteria (e-coli) indicators, communicate the results to growers, as well as, provide graduate student training in field and laboratory methodologies.</p> 	<p>Project Budget: \$80,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> <p>• Enhancing IPM Research in Arizona Vegetables</p> <p>Partner with the University of Arizona to enhance integrated pest management (IPM) approaches in Arizona's specialty crops by initiating new research on vegetable and melon crop such as celery, sweet corn, watermelons, and onions to document the biology and ecology of key insects and improve upon existing control strategies.</p> 	<p>Project Budget: \$80,000.00</p> <p>Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Herbicide Tolerance of Chile Peppers</i> Partner with the University of Arizona to investigate different methods of controlling weeds in pepper crops and disseminate the results to chile producers by publishing the results in a scientific journal and producing an extension bulletin on herbicide use on chile peppers in Arizona. 	Project Budget: \$13,056.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Irrigation Sediments as Reservoir for Pathogens</i> Partner with the University of Arizona to reduce the risk of transmission of foodborne microorganisms during the irrigation of specialty crops by formulating best management practices of irrigation waters. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Low Maintenance Grasses for Reduced Irrigation</i> Partner with the University of Arizona to identify water conservation techniques of irrigated grasses by evaluating low maintenance warm season grasses that are commercially available that may produce an acceptable ground cover surface at reduced irrigation rates. 	Project Budget: \$80,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Minimizing Crop Disturbance, Improving Nutrient Uptake</i> Partner with the University of Arizona to reduce fertilizer inputs and increase crop yields in lettuce, broccoli and cantaloupe by investigating ways to minimize plant disturbance and placement of fertilizer in a more optimal location around the plant will be used. 	Project Budget: \$63,879.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Mitigation of Heavy Metals in Produce</i> Partner with the University of Arizona to reduce concerns about heavy metals in edible fresh fruits and vegetables by exploring management strategies to reduce potential heavy metal exposure in vegetable crops and develop tools to reduce future compliance challenges. 	Project Budget: \$80,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Nutrient Management for Southwestern Pecans</i> Partner with the University of Arizona to decrease costs associated with remedies for pecan tree zinc deficiency by evaluating the effects of varying amounts of fertigated zinc, phosphorus and nitrogen on leaf nutrient concentrations, photosynthesis, tree growth rates, and nut production of pecan trees. 	Project Budget: \$68,302.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Pecan and Pistachio Chemical Weed Control</i> Partner with the University of Arizona to reduce the risk of developing herbicide resistant weed populations for pecan and pistachio crops by comparing the efficacy of long-term pre-emergence herbicide treatments at four orchard sites and measure declines in weed population densities and the number of post-emergence spray operations needed annually. 	Project Budget: \$13,892.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Spatial/Temporal Sampling of Irrigation Water</i> Partner with the University of Arizona to decrease the risk of food crop contamination by livestock by defining optimal monitoring strategies for irrigation water quality and developing guidelines for the irrigation of food crops, resulting in the development of best management practices that can be used nationally by growers utilizing surface water for irrigation purposes. 	Project Budget: \$60,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$85,109.11

Arkansas Agriculture Department

Amount Awarded:	\$351,089.23	Number of Projects:	8
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<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$23,265.91 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>EQUIP - Equipping Farmers for Plastic Culture Farming While Reducing Chemical Application</i> Partner with Rural Community Alliance to reduce the amount of chemicals used and increase acreage devoted to specialty crop production in Arkansas by educating and training Yell County specialty crop producers on the plastic culture method and use of equipment during an annual production meeting with local farmers. 	Project Budget: \$39,999.80 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Strengthening Local Food Systems by Enhancing Food Entrepreneurship in Arkansas</i> Partner with the University of Arkansas to increase the number of new value-added specialty crop products by developing and delivering outreach materials and training opportunities for food entrepreneurs in Arkansas. 	Project Budget: \$16,840.50 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Statewide Horticulture Industry Economic Assessment</i> Partner with the University of Arkansas’s Center for Agricultural and Rural Sustainability to increase knowledge of the concerns, needs, and economic contributions of the Arkansas horticulture industry by using of a survey instrument compiled into an industry-usable report, and published on the internet. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Arkansas Fresh-Market Blackberries: Evaluating Postharvest Attributes that Impact Marketability</i> Partner with the University of Arkansas to expand the knowledge base of fresh-market blackberry fruit in Arkansas by identifying quality-based attributes of fresh-market blackberries during postharvest storage and disseminating information to fresh-market blackberry industry to improve marketability. 	Project Budget: \$32,188.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Produce Marketing Association Fresh Summit Show</i> Promote the sale of Arkansas specialty crops by marketing to potential produce purchasers at the annual Produce Marketing Association’s (PMA) Fresh Summit in Atlanta through exhibiting the different specialty crop products Arkansas has to offer. 	Project Budget: \$70,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Population Mapping and Characterization of Habitat of Small Hive Beetle, <i>Aethina tumida</i> Murray in Arkansas</i> Partner with the University of Arkansas Pine Bluff to better understand small hive beetles (SHB) location within the state and their preferred habitats by monitoring and mapping their presence in Arkansas, which will result in better preparedness to counter bee infestations, improved honey production, and increased honey income in Arkansas. 	Project Budget: \$18,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>P Allen Smith and the Farm and Food Magazine</i> Collaborate with Hortus, Ltd and the Arkansas Times to increase the knowledge Arkansas consumers have about the nutrition and availability of locally grown specialty crops by implementing a marketing campaign that will include print, web, and radio media. 	Project Budget: \$110,000.00 Indirect Costs: \$0.00

California Department of Food and Agriculture

Amount Awarded:	\$19,881,478.15	Number of Projects:	61
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<ul style="list-style-type: none"> • <i>(1) California, Always in Season – Building Community</i> Collaborate with the Buy California Marketing Agreement and the California Travel and Tourism Commission to increase exposure and sales of “CA Grown” specialty crops by implementing a media program that features individual specialty crop farmers and highlighting the seasonal availability of California grown specialty crops at local events and expos. 	Project Budget: \$1,573,035.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(2) California State Fair Extra Virgin Olive Oil Competition</i> Partner with the California Exposition and State Fair to increase Californians’ knowledge of the efforts by California olive oil producers to establish and enforce the highest industry standards, and why such standards are important by hosting events promoting California olive oil and providing information on industry standards, labeling and strategies for identifying quality olive oil in the state. 	Project Budget: \$112,825.00 Indirect Costs: \$2,175.00
<ul style="list-style-type: none"> • <i>(3) Enhancing the Marketability of California Persimmons</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to enhance the marketability of California Persimmons by analyzing different varieties of persimmons for their nutritional content and developing a process for preparing a dried persimmon product. 	Project Budget: \$220,794.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(4) Profiles in Stewardship</i> Partner with American Farmland Trust California to educate consumers and specialty crop growers of the environmental stewardship activities utilized in specialty crop operations by conducting beneficial management practice profiles of a diverse selection (crops/practices/regions) of specialty crop stewardship leaders and making the information available online and in trade journals, newsletter articles, conferences, workshops, and field day presentations. 	Project Budget: \$112,946.00 Indirect Costs: \$1,197.00

<ul style="list-style-type: none"> • (5) Expanding Markets for California Olive Oil Partner with the California Olive Oil Council to increase olive oil sales and consumer awareness by conducting a marketing campaign in California, the Pacific Northwest, and the Mid-Atlantic region that promotes retail locations selling California olive oil and hosts educational outreach events. 	<p>Project Budget: \$352,948.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • (6) California Wines Road Trip: A Marketing Program for Wine Tourism Partner with the Wine Institute to increase demand for California wine nationally, with the objective of increasing both average prices and grower return, by growing California wine tourism and promoting events through a promotional campaign, media and advertising, statewide events in New York, Los Angeles, and San Francisco. 	<p>Project Budget: \$380,075.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • (7) Market tours for Small, Ethnic, Beginning Specialty Crop Growers: Creating New Marketing Channels for Buyers and Sellers Partner with the University of California, Davis to enhance the marketability and competitiveness of specialty crops through development of markets for local producers by hosting market tours, farmer-to-farmer meetings, and consultative follow-ups for beginning, small, and immigrant growers. 	<p>Project Budget: \$157,433.00 Indirect Costs: \$4,784.00</p>
<ul style="list-style-type: none"> • (8) Random Acts of Flowers Getting Social Partner with the California State Floral Association to increase consumer awareness and sales of California flowers by creating an online presence through a social media campaign, bloggers, webinars, and a mobile app to provide consumers with relevant, current, and credible content to inform them how flowers can be a part of their daily lives. 	<p>Project Budget: \$396,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • (9) Shade Cloth Benefits for Apples Partner with the California Apple Commission to improve the marketability of California apples by investigating different types of shade cloth and the effects they have on apples grown and their economic viability in California. 	<p>Project Budget: \$313,707.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • (10) Plant Something! Inspiring Consumers to Plant and Garden with California Nursery Plants Partner with the California Association of Nurseries and Garden Centers to increase sales of nursery plants by implementing the “Plant Something!” marketing campaign, which will include radio promotions in Sacramento, San Francisco and Los Angeles, and establishing a website and social media presence. 	<p>Project Budget: \$367,034.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • (11) Ensuring Grape Grower Viability by Driving Sales for Sonoma County Wines Partner with the Sonoma County Local District 3 Winegrape Commission to raise grape returns with marketing aimed at growing premium sales, leading to higher winegrape prices by executing a marketing program that includes producing videos highlighting Sonoma growers for use on websites and social media. 	<p>Project Budget: \$377,282.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • (12) California Specialty Crop Export Promotion Partner with the Center for International Trade Development, Fresno to increase export sales of California specialty crops by facilitating reverse trade missions targeting Asia and the Middle Eastern/Indian Markets and outbound missions to China, coordinating one-on-one meetings between California specialty crop suppliers and foreign buyers, and conducting facility site visits, product demonstrations, and California specialty crop product promotions. 	<p>Project Budget: \$288,647.00 Indirect Costs: \$5,211.00</p>
<ul style="list-style-type: none"> • (13) Market Enhancement for Small Organic Farmers (MESOF) Partner with the Agriculture and Land-based Training Association to directly support the capacity and market access of beginning and limited resource farmers organic fruit and vegetable producers by providing educational and business development services which enable participating specialty crop farmers to make the transition to independent organic farm owner and operator upon graduation from the program. 	<p>Project Budget: \$168,565.00 Indirect Costs: \$4,351.00</p>
<ul style="list-style-type: none"> • (14) Old Routes, New Paths Partner with the Hopland Band of Pomo Indians to support the expansion of Native American specialty crop production and distribution by creating marketing and distribution opportunities for the Native American Pomo specialty food products in Sonoma, Lake and Mendocino counties through hosting educational workshops, creating a food hub for specialty crop items such as black walnuts, elderberries, acorns and grapes, and also promoting specialty crop items from a mobile food stand. 	<p>Project Budget: \$106,072.00 Indirect Costs: \$3,022.00</p>

- **(15) Specialty Crop Farmer Training and Toolkit for a Sustainable Future** **Project Budget:** \$274,320.00
Indirect Costs: \$9,666.00
Partner with the University of California, Santa Cruz to increase the crop knowledge and production efficiencies of small-scale beginning specialty crop growers, with an emphasis on organic and sustainable production practices, by providing them with training, mentoring, and written resources—in Spanish and English—they need to develop viable organic specialty crop operations that can succeed in the face of economic and climate-related risks.
- **(16) Specialty Crop Education and Entrepreneurial Development for Transition-Age Youth (SeedTRAY) Project** **Project Budget:** \$223,296.00
Indirect Costs: \$6,527.00
Partner with Noyo Food Forest to inspire youth to pursue careers in the specialty crop industry while increasing utilization of local specialty crops in Fort Bragg school cafeterias by developing an experiential training program focusing on high school age and older youth, who will learn to produce specialty crops, which will be purchased by the school for use in school meals; teach nutrition to younger students; and earn stipends as they prepare to enter sustainable agricultural training programs.
- **(17) Colusa County Grown-Specialty Crop** **Project Budget:** \$66,692.00
Indirect Costs: \$2,047.00
Partner with the Colusa County Resource Conservation District to enhance the marketability and competitiveness of specialty crops by providing specialty crop producers with new marketing tools and opportunities using seven approaches to achieve results: social media, printed publications, marketing workshop, Model Farm Tour, exhibits, presentations, and active participation in developing a Center Action Plan.
- **(18) Engaging Agriculture within the Local Community: A Project Addressing Food Access, Agricultural Education and Outreach** **Project Budget:** \$278,188.00
Indirect Costs: \$0.00
Increase in direct farm-to-consumer sales of specialty crop products on a statewide basis by incorporating specialty crop products and producers into local community efforts to combat hunger, enhance agricultural education in schools, and to better connect consumers to specialty crop growers.
- **(19) Ventura County Farm to School** **Project Budget:** \$392,006.00
Indirect Costs: \$5,745.00
Partner with the Ventura Unified School District to Increase the amount of fresh, seasonal, locally grown specialty crop products consumed by students in Ventura County schools by facilitating production planning, marketing, and distribution of specialty crops in schools; providing school staff training and development to increase utilization of specialty crop products in school menus; and developing and disseminating educational tools to increase students' and families' awareness and consumption of California specialty crops.
- **(20) Community-Based Food Project in Underserved Sacramento Neighborhoods** **Project Budget:** \$335,732.00
Indirect Costs: \$9,072.00
Partner with International Rescue Committee, Inc. to improve knowledge of how to obtain nutritious specialty crops by creating an education, training, and marketing infrastructure that will make it possible for diverse immigrant households to continue to consume a healthy, culturally appropriate diet focused on fruits and vegetables and support the growth of economic networks based on the traditional agricultural/culinary practices and purchasing habits of global populations living as neighbors in urban communities.
- **(21) California Specialty Crops for California Kids** **Project Budget:** \$388,131.00
Indirect Costs: \$0.00
Partner with Oakland Unified School District to increase the purchase of California specialty crops by implementing an in-house produce processing program to eliminate reliance on expensive and/or imported pre-cut fruits and vegetables into the school system through student and parent awareness and consumption of specialty crops, developing student-vetted recipes which highlight California specialty crops as well as restructuring the salad bar program to be sourced entirely from California specialty crop producers.
- **(22) Lake Farm to School Project** **Project Budget:** \$397,899.00
Indirect Costs: \$0.00
Partner with North Coast Opportunities, Inc. to increase and institutionalize the use of locally-produced specialty crops in 15 schools in Lake County school districts by assessing needs and purchasing items to support preparation, storage, and processing of specialty crops; training food service staff and summer students in best practices for incorporating specialty crops into meals, menu planning, and on-site prepping; working with farmers to help them understand institutional market needs and purchasing policies, develop market relationships with schools, and plan production to meet school needs.

- ***(23) Improving Nutrition and Increasing California Specialty Crop Sales: Implementing Collective Buying in K-12*** **Project Budget:** \$280,841.00
Indirect Costs: \$5,813.00

Partner with the University of California, Santa Cruz to increase the procurement and consumption of California specialty crops in 15 school districts in Monterey, San Benito, and Santa Cruz Counties by working with Food Service Directors to identify and implement collective buying strategies of California fresh fruits and vegetables to reduce costs that can then be re-invested in specialty crop procurement.
- ***(24) Farm to Seniors: Improving the Vitality of Specialty Crop Farmers and Senior Adults*** **Project Budget:** \$76,378.00
Indirect Costs: \$1,208.00

Partner with California State University, Chico Research Foundation to increase the purchase and consumption of locally grown specialty crops by rural senior adults through marketing campaign of specialty crops that includes a promotional efforts and word-of-mouth publicity by program participants, providing timely feedback to specialty crop farmers about which specialty crops are preferred by senior adults, establishing a steady market channel for specialty crops, and providing specialty crop farmers with promotional specialty crop materials.
- ***(25) Cultivating Community North Valley*** **Project Budget:** \$394,422.00
Indirect Costs: \$5,448.00

Partner with California State University, Chico Research Foundation to increase networking and response-capacity among key players in the local specialty crop food system by expanding a piloted educational program that will train a new generation of farmers, strengthen food security and grow the (chiefly organic) specialty crop economy by serving low-income residents, growers, help agencies, and K-18 (kindergarten through graduate school) agriculture/farming students.
- ***(26) Los Angeles Farm to School: Developing a Network of Local Practitioners*** **Project Budget:** \$377,445.00
Indirect Costs: \$13,378.00

Partner with Occidental College to increase demand for California specialty crops by developing an initiative to support a system of robust and sustainable Farm to School programs in Los Angeles County, which will increase specialty crop producers connections to school food cafeteria programs; create innovative promotional materials designed for school audiences that highlight Southern California specific crops and production practices; and create new Farm to School specialty crop agritourism opportunities and programs.
- ***(27) Increasing the Awareness and Profitable Use of High-Performing Grafted Varieties by California Fresh Market Tomato Growers*** **Project Budget:** \$139,673.00
Indirect Costs: \$3,859.00

Partner with the University of California, Davis to increase awareness of new knowledge of grafted fresh market tomato performance in California field conditions among stakeholders to create less risk-averse growers who will adopt grafted fresh market tomatoes by collating and analyzing all available data on yield/fruit quality/economics on grafted tomatoes in the ~300 studies published since 2000; performing grafted fresh market tomato field trials in Merced County and San Joaquin County; producing a comprehensive catalog summarizing published data and results of field trials for each variety; and disseminating findings to California stakeholders.
- ***(28) Nitrate Leaching Risk from Specialty Crop Fields During On-Farm Managed Floodwater Recharge in the Kings Groundwater Basin*** **Project Budget:** \$280,678.00
Indirect Costs: \$0.00

Partner with Sustainable Conservation to increase grower awareness and acceptance of on-farm floodwater capture by developing and calibrating a model for nitrate and salt leaching from specialty crops when floodwater is applied for the purpose of recharging groundwater.
- ***(29) Improving Irrigation and Nitrogen Management of Strawberry Production in California*** **Project Budget:** \$214,542.00
Indirect Costs: \$5,309.00

Partner with the University of California, Parlier to improve efficiency of water and nitrate fertilizer management for strawberry growers by developing new data on water and nitrogen use of strawberries and to provide growers with a comprehensive, free, and user-friendly online tool to support water and nitrogen fertilizer decisions.
- ***(30) Testing Decision Support Tools for Evapotranspiration Based Irrigation Management of Cool-Season Vegetables*** **Project Budget:** \$320,644.00
Indirect Costs: \$7,593.00

Partner with University Corporation at Monterey Bay to reduce water application by Central Coast growers of leaf lettuce, cabbage, and possibly other cool-season vegetables by demonstrating the use of California Irrigation Management Information System evapotranspiration, as modified by CropManage and Satellite Irrigation Management System models, to support evapotranspiration-based irrigation scheduling decisions in cool-season vegetables.

<ul style="list-style-type: none"> • <i>(31) Effectiveness Study of Multiple Off-Farm Water Treatment Practices for Specialty Crop Farmers</i> Partner with San Jose State University, in collaboration with Moss Landing Marine Laboratories, to improve water quality and help specialty crop farmers to comply with regulations through a better understanding of the most cost effective practices for treating surface runoff under different farm constraints by constructing, studying, and comparing four different beneficial management practices for use by specialty crop farmers within the Salinas Valley. 	<p>Project Budget: \$335,170.00 Indirect Costs: \$9,267.00</p>
<ul style="list-style-type: none"> • <i>(32) Development of Statewide Spatial/Mapping Database for Almonds, Walnuts, and Pistachios</i> Partner with Almond Board of California to improve the accuracy and timeliness of spatial nut crop data by applying remote sensing analysis and agronomic knowledge to locate and quantify nut crop acreage and age by imagery selection; geographic information systems acquisition; performing quality assurance/quality control ground truthing and data analysis. 	<p>Project Budget: \$290,378.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(33) Development of a Solar Thermal Drum Dryer for Specialty Crop Purees and Pomaces</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to decrease the energy costs incurred from a specialty crop dehydrator by developing a processor-friendly solar thermal drum dryer that can be used to quickly dry specialty crop products such as apple, pear, berry, and vegetable purees and pomaces from tomatoes, grapes, olives, and carrots. 	<p>Project Budget: \$126,646.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(34) Developing and Implementing a Self-Assessment Program for Stewardship Practices in California Cherry Production</i> Partner with California Cherry Board to increase the level of use of specific sustainable practices by cherry growers over time through conducting assessment workshops, using SureHarvest value-mapping, and identifying key best management practices. 	<p>Project Budget: \$200,440.00 Indirect Costs: \$1,098.00</p>
<ul style="list-style-type: none"> • <i>(35) A Continuous Leaf Monitoring System to Detect Plant Water Status to Assist in Irrigation Management of Specialty Crops</i> Partner with University of California, Davis to increase efficient use of water resources in orchard and vineyard crop production by implementing precision irrigation management in orchard and vineyard crops to conserve water; expanding stewardship practices, natural resource conservation, and the development of ecosystem services to improve the environmental and financial performance of California specialty crop growers. 	<p>Project Budget: \$276,607.00 Indirect Costs: \$9,299.00</p>
<ul style="list-style-type: none"> • <i>(36) Water Use Efficiency for Fruit Quality, Ecosystem Benefits and Resilience in Fresh Market Tomato Production</i> Partner with the University of California, Davis to increase competitiveness of the fresh market tomato industry and ecosystem services related to water conservation and environmental quality by identifying management practices for reliable production in dry years with lower inputs, determining the pest pressures likely to be affected under deficit irrigation, and increasing awareness of alternative planting and irrigation strategies through establishing trials on plant density, conducting on-farm experiments on irrigation and plant spacing, and examining tradeoffs in management inputs and other analyses. 	<p>Project Budget: \$371,219.00 Indirect Costs: \$10,339.00</p>
<ul style="list-style-type: none"> • <i>(37) Novel Lye-Curing Replacement Process for California Olives to Eliminate Toxic Waste Chemicals and Conserve Water Resources</i> Partner with University of California, Davis to economically strengthen the California olive industry by educating olive processors to master the new de-bittering process, reducing water used in California-style olive processing, reduce volume and toxicity of olive processing wastewater, and increasing nutritional content for California-style olives. 	<p>Project Budget: \$356,539.00 Indirect Costs: \$10,961.00</p>
<ul style="list-style-type: none"> • <i>(38) Accelerating Adoption of Innovative Conservation and Sustainable Best Management Practices</i> Partner with California Sustainable Winegrowing Alliance to increase adoption of sustainability practices that will improve resource economic efficiency and conservation through developing an economic cost/return assessment tool, develop and integrate economic tool; develop and disseminate resources; producing media with information from findings; conduct workshops and outreach. 	<p>Project Budget: \$368,167.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(39) Characterizing and Breeding Drought Tolerance in Lettuce</i> Partner with U.S. Department of Agriculture’s Agricultural Research Service to increase the sustainability of lettuce production in California by developing and implementing beneficial management practices that improve farm viability and the agricultural economy as well as the environment and identifying drought-tolerance traits in lettuce, leading to the development of cultivars with reduced water requirement and costs, while mitigating the effects of reduced water availability. 	<p>Project Budget: \$353,151.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(40) Measuring Evapotranspiration, Water Balance and Depth of Water Uptake to Improve Efficiency of California Tree Crops</i> Partner with the University of California, Davis to expand stewardship practices and natural resource conservation to improve the performance of California almond orchards by comparing the isotopic composition of xylem and soil water to determine the contribution of deep and shallow roots to total plant water uptake under different climates and management; developing empirical relationships between evapotranspiration-driven leaf hydrogen and oxygen isotopic enrichment and water use efficiency; and comparing these with standard physiological measurements to determine water stress and improve management based on new evapotranspiration estimates and crop-specific coefficients. 	<p>Project Budget: \$361,905.00 Indirect Costs: \$8,454.00</p>
<ul style="list-style-type: none"> • <i>(41) Data-Driven Targeted Education to Increase Adoption of Best Management Practices by Almond Growers</i> Partner with SureHarvest to increase almond grower adoption of best management practices which provide marked environmental and grower economic benefits through grower self-assessments and grower education. 	<p>Project Budget: \$338,056.00 Indirect Costs: \$10,644.00</p>
<ul style="list-style-type: none"> • <i>(42) Improvement of Grapevine Health Monitoring</i> Partner with the University of California, Davis to generate data showing increased savings and efficiencies that will follow from the introduction of the genomics technology referred to as Next Generation Sequencing (NGS) by producing technical and factual information that will document the time and cost savings vineyard managers will realize through the adoption of NGS analysis as a replacement for the biological assay. 	<p>Project Budget: \$80,055.00 Indirect Costs: \$2,516.00</p>
<ul style="list-style-type: none"> • <i>(43) Disease Forecasting of Spinach and Lettuce Downy Mildew to Foster Best Management Practices</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service, in collaboration with the University of California, Davis, to improve the environmental and financial performance of California specialty crop growers by deploying a downy mildew detection system in the field for the development of disease forecast models for both spinach and lettuce downy mildew based on which the frequency of fungicide applications can be reduced. 	<p>Project Budget: \$348,977.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(44) Developing Lettuce Cultivars with Resistance to Bacterial Leaf Spot and Tosspoviruses</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to help lettuce growers reduce crop losses by reducing the damage caused by bacterial leaf spot and tospoviruses through developing and spreading the knowledge of cultivars with disease resistance. 	<p>Project Budget: \$367,832.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(45) Development of High throughput Serological Assays for the Routine Detection of Grapevine Red Blotch Virus</i> Partner with the University of California, Davis to increase grape producer’s crop yields by reducing the damage of Grapevine Red Blotch Virus through developing and promoting the use of a more inexpensive Grapevine Red Blotch Virus (GRBaV) detection method. 	<p>Project Budget: \$278,945.00 Indirect Costs: \$8,574.00</p>
<ul style="list-style-type: none"> • <i>(46) Melon Powdery Mildew Race Variation in California</i> Partner with the U.S. Department of Agriculture’s Agriculture Research Service to increase the production of melons and decrease the use of pesticides reducing the damage of powdery mildew by screening mildew populations, establish new sources of mildew resistance, and promoting the use of the identified resistant varieties. 	<p>Project Budget: \$272,676.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(47) Biology and Control of Euiwallacea sp., the Vector of Fusarium Dieback Disease in California Avocado and Nursery Tree Production</i> Partner with the University of California, Riverside to increase the number of avocado growers using recommended best practices for prophylactic treatment of trees and sanitation of infested material from dying trees by developing an effective management of the insect/fungus complex to reduce populations of insects within their groves and protect their trees. 	<p>Project Budget: \$382,985.00 Indirect Costs: \$13,508.00</p>
<ul style="list-style-type: none"> • <i>(48) Improved Detection Methods for Tuta absoluta, a Potential New Pest of Tomatoes</i> Partner with the University of California, Davis to minimize economic and environmental harm to tomato farmers by creating a DNA test to identify T. absoluta infestations to decrease the time it takes regulators to correctly respond and prevent its establishment, contain its spread, and reduce the length of expensive and disruptive quarantine holds. 	<p>Project Budget: \$288,991.00 Indirect Costs: \$7,181.00</p>

<ul style="list-style-type: none"> • <i>(49) The Bagrada Bug Invades the Salinas Valley - the Salad Bowl of the World</i> Partner with the University of California, Davis to develop and refine pest management techniques for a new invasive pest (the Bagrada) of crucifer crops (i.e., cauliflower and broccoli) in the Salinas Valley by studying the biology, damage potential and management of a new invasive bug, the Bagrada, that has begun to damage California crops. 	<p>Project Budget: \$355,743.00 Indirect Costs: \$11,275.00</p>
<ul style="list-style-type: none"> • <i>(50) Development of an RNAi-based Biological Insecticide Strategy for Management of the Mealybug Complex in California Grapes</i> Partner with the University of California, Davis to take advantage of new opportunities and utilize genetic-based approaches to target mealybugs, including the invasive vine mealybug, and, indirectly, the viruses that they transmit to grapevines by creating an RNA interference approach to a new, more environmentally sustainable method to combat Mealybugs and grapevine leafroll-associated viruses, which have devastated the California Grape industry. 	<p>Project Budget: \$387,488.00 Indirect Costs: \$10,554.00</p>
<ul style="list-style-type: none"> • <i>(51) Revealing the Epidemiology of Grapevine Red Blotch-Associated Virus, an Urgent Need for California Grape Growers</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to determine potential vectors and alternate hosts to develop red blotch management guidelines by studying the Grapevine Red Blotch-Associated Virus to understand its characteristics and provide to the grape industry new prevention techniques to eliminate potential virus and vector reservoirs. 	<p>Project Budget: \$271,211.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(52) Development of Rapid, Portable Molecular Diagnostics for Important Soilborne Pathogens in California Agriculture</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to expand the capability to detect an array of economically important soilborne pathogens more rapidly by developing inexpensive and less technologically sophisticated diagnostic tools. 	<p>Project Budget: \$296,412.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(53) Evaluation of an Alternative Irrigation Water Quality Indicator</i> Partner with the Center for Produce Safety Foundation, in collaboration with the University of California, Davis and the University of Arizona, to develop data to support collective expert evaluations for the replacement of quantitative irrigation water standards based on generic E. coli with a semi-quantitative threshold based on a designed risk-assumption Limit of Detection based on either E. coli and/or Bacteroides as an improved indicator system for acute and chronic fecal contamination. 	<p>Project Budget: \$218,056.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(54) Investigation of Risk Criteria and Foodborne Pathogen Reduction Practices for Irrigation Water</i> Partner with the Center for Produce Safety Foundation, in collaboration with Virginia Polytechnic Institute, to identify practical indicators to predict foodborne pathogen contamination and investigate economical methods to disinfect Salmonella spp., E. coli O157:H7, and L. monocytogenes in irrigation water. 	<p>Project Budget: \$152,344.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(55) Contamination of Leafy Green Crops with Foodborne Pathogens: Are Wildlife a Problem?</i> Partner with the Center for Produce Safety Foundation, in collaboration with the U.S. Department of Agriculture’s Animal and Plant Health Inspection Service-Wildlife Services, to determine whether wildlife contribute to foodborne disease risk by contaminating leafy green produce during visits to agricultural fields by estimating the magnitude of contamination of leafy green produce fields by three critical foodborne pathogens causing human illness; testing hypotheses related to the spatial distribution of leafy green produce fields in relation to large areas of wildlife habitat; testing hypotheses related to diversity and synanthropy of wildlife; using these results to identify wildlife species that have high potential for contaminating fields with foodborne pathogens; and proposing potential mitigation measures for producers to reduce or eliminate contamination of leafy green produce with foodborne pathogens carried by wildlife. 	<p>Project Budget: \$197,429.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(56) Rapid Bacterial Testing for On-Farm Sampling</i> Partner with the Center for Produce Safety Foundation, in collaboration with the University of Massachusetts, to empower farmers to conduct routine and risk-based testing of agricultural water for Salmonella spp. by developing a kit-based detection system. 	<p>Project Budget: \$270,624.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(57) Rapid Tests to Specifically Differentiate Clinically Significant from Environmental Shiga Toxin-Producing Escherichia coli (STEC) Towards Reducin</i> 	<p>Partner with the Center for Produce Safety Foundation, in collaboration with the University of California, Davis, to protect consumers, reduce food waste, and improve specialty crop sustainability associated with the detection of clinically relevant Shiga toxin-producing E. coli by developing the efficacy and validation data necessary to support the adoption of the specific test method proposed in commodity-specific guidance documents and standards in order to optimize risk management practices and better defining the role of wildlife as vectors of pre-harvest contamination.</p>	<p>Project Budget: \$325,951.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(58) Enteric Viruses as New Indicators of Human and Cattle Fecal Contamination of Irrigation Waters</i> 	<p>Partner with the Center for Produce Safety Foundation, in collaboration with the University of Arizona, to develop a more accurate and quantitative method for the detection of fecal contamination in irrigation water through the use of improved methodologies of environmental virus concentration and isolation and the identification of novel viral targets consistent with the norms of an “ideal indicator organism,” a low cost and rapid method for the detection and quantification of fecal contamination in irrigation water can be developed that will provide more accurate tools to evaluate the risk to human health of fresh produce from contaminated irrigation water.</p>	<p>Project Budget: \$219,879.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(59) Improving Pasteurization Validation Methods for Pistachio Processing</i> 	<p>Partner with the Center for Produce Safety Foundation, in collaboration with Michigan State University, to improve the methods for validating pathogen reduction processes for pistachios, with particular attention to enhancing existing operations and enabling processors of any scale to reliably validate those processes by producing produce guidelines to validate preventive control measures for pistachios.</p>	<p>Project Budget: \$179,859.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(60) Improved Sampling and Analytical Methods for Testing Agricultural Water for Pathogens, Surrogates and Source Tracking Indicators</i> 	<p>Partner with the Center for Produce Safety Foundation, in collaboration with the Centers for Disease Control, to determine the feasibility of using ultrafiltration and molecular testing as tools for monitoring agricultural water quality and to provide an evidence base supporting the implementation of ultrafiltration-associated testing protocols by crop producers as part of site-specific and product-specific risk-based sampling programs by developing sampling and testing procedures for analysis of large-volume irrigation water samples for alternative microbial water quality parameters.</p>	<p>Project Budget: \$196,569.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> 	<p>Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.</p>	<p>Project Budget: \$1,329,091.00 Indirect Costs: \$383,397.56</p>

Colorado Department of Agriculture

Amount Awarded:	\$839,642.41	Number of Projects:	10
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<ul style="list-style-type: none"> • <i>Development of Potato Virus Y Testing Program Using PCR (Polymerase Chain Reaction) Testing</i> 	<p>Partner with the Colorado Potato Administrative Committee to increase the export of potatoes by developing and distributing a new method of screening for the potato virus (PVYn).</p>	<p>Project Budget: \$80,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Branding and Promoting Pueblo Chile</i> 	<p>Partner with Pueblo County to promote the awareness and sales of the Pueblo Chile through a marketing campaign and demonstration garden that will create a unique Pueblo Chile brand, promote visitors to Pueblo chile farms, and encourage the production and interest in the Pueblo Chile.</p>	<p>Project Budget: \$143,950.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Serving Colorado Fruit and Vegetable Growers through Educational Outreach, Promotion and Networking</i> 	<p>Partner with the Colorado Fruit and Vegetable Growers Association to increase the sales of Colorado fruits and vegetables by assessing grower and consumer needs, developing and implementing education outreach, promotional products, and networking opportunities.</p>	<p>Project Budget: \$92,336.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Promotion of Colorado Potatoes in the Mexican Market</i> 	<p>Partner with the Colorado Potato Administrative Committee to increase the sale of Colorado potatoes in Mexico through studying the Mexican potato market and marketing Colorado Potatoes through Mexican vendors.</p>	<p>Project Budget: \$107,000.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Compiling and Cataloging Four Decades of Research to Revise the Colorado Grape Growers Guide</i> Partner with the Colorado Wine Industry Development Board to increase the availability of scientific research around the grape industry by creating a website where all Colorado focused research can be housed and made widely available. 	Project Budget: \$25,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>The Colorado Pavilion at the 2015 Produce Marketing Association Fresh Summit Expo</i> Increase the sales of Colorado produce suppliers by marketing and raising awareness about Colorado produce at the 2015 Produce Marketing Association's (PMA) Fresh Summit Expo. 	Project Budget: \$77,376.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancing Marketing and Production of the Old Fort Market Garden Incubator Program</i> Partner with Fort Lewis College to enhance beginning specialty crop producers' knowledge of farming techniques by creating incubator plots for new farmers that incorporates hands-on training and using the tools needed to develop these new skills associated with specialty crop production. 	Project Budget: \$46,872.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Promoting Colorado Produce Using the Colorado Proud Logo</i> Increase sales of Colorado raised local produce through a marketing campaign that will educate consumers to purchase locally made produce through a demonstration garden at the Governor's Mansion, an advertisement push in print, high profile events, and other media outlets. 	Project Budget: \$141,441.92 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Research and Technical/Marketing Support for Colorado's Specialty Crop Producers</i> Partner with Colorado State University to increase the knowledge and education of Colorado specialty crops producers by providing research and technical support and extension education programs. 	Project Budget: \$48,285.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$63,731.00 Indirect Costs: \$9,865.00

Connecticut Department of Agriculture

Amount Awarded:	\$396,469.28	Number of Projects:	8
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<ul style="list-style-type: none"> • <i>Demonstrating the Use and Value of Scientific Based Management Tools for Fertilizer Decisions</i> Partner with the University of Connecticut (UConn) to increase the use of tissue and soil analysis as a management tool for fertilizer decisions by fruit growers through conducting a study at 15 grower locations and disseminating the research results via factsheets, the UConn website, newsletters, and at grower meetings. 	Project Budget: \$54,793.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Exploring the Economic and Production Viability of Ethnic Vegetables and Novel Small Fruits in Connecticut</i> Partner with the University of Connecticut to increase the production of ethnic vegetable/novel small fruits (e.g., okra, tomatillos, yardlong beans, and kale) in Connecticut by conducting an economic feasibility analysis examining the market demand, production barriers and economic viability for producing these specialty crops, and disseminating the information via workshop presentations, published materials, websites and social media. 	Project Budget: \$23,441.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Phytophthora Management in Christmas Tree Plantings of True Firs</i> Partner with the Connecticut Christmas Tree Growers Association, Inc. to find practical solutions to phytophthora root rot problems that can be adopted by Christmas tree growers through conducting field trials incorporating soil acidity, root dip, bark sprays and various species of firs (Turkish, Nordmann, Trojan, Fraser and Canaan). 	Project Budget: \$31,296.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Producing Cut Flowers for Profit to Enhance Biological Control of Vegetable Pests</i> Partner with the University of Connecticut to provide cabbage and pepper producers with information regarding how to control the diamondback moth, imported cabbage worm and Brown marmorated stink bug eggs by conducting field trials, planting 15-20 different flowers and plants in close proximity to the cabbage and pepper plants to determine which flowers and plants are the most effective at attracting natural predators. The research results will be disseminated via UConn Integrated Pest Management (IPM) Program workshops, presentation at local and regional conferences for growers and extension staff, and printed and online publications. 	Project Budget: \$75,000.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • Technical Development of Year-Round Hydroponic Strawberry Cultivation in Controlled Environment Agriculture Partner with Agrivolution, Inc. to increase the overall yield of strawberries per growing area by developing economically viable hydroponic controlled environment strawberry cultivation techniques and systems that allow for year round strawberry cultivation in Connecticut. 	Project Budget: \$73,404.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Enhancing the Competitiveness of New England Specialty Crops Through Regional Collaboration Partner with the Harvest New England Association, Inc. to break down the barriers to regional specialty crop purchases by educating producers at the Harvest New England Agricultural Marketing Conference and Trade Show, educating consumers at Harvest New England Days, and connecting wholesale buyers with wholesale specialty crop producers through five matchmaking meetings. 	Project Budget: \$6,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Administration Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$6,101.00 Indirect Costs: \$25,363.17
<ul style="list-style-type: none"> • Promoting the Availability of Connecticut Specialty Crops through Connecticut's Radio Waves Increase consumer awareness of the availability and diversity of Connecticut grown specialty crops by implementing a radio advertising campaign. 	Project Budget: \$100,000.00 Indirect Costs: \$0.00

University of the District of Columbia, College of Agriculture

Amount Awarded:	\$221,328.44	Number of Projects:	5
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<ul style="list-style-type: none"> • Capital Area Food Bank Community Gardens Partner with Capital Area Food Bank to increase the availability of and demand for fruits and vegetables among those who rely on food assistance through establishing community gardens at fifteen sites throughout the District of Columbia. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • City Orchard Partner with Bread for the City to encourage the District of Columbia residents to establish their own sustainable specialty crop gardens by hosting a community garden/orchard in which they can learn best practices associated with gardening. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Specialty Crop Access to Communities in Need Partner with Purple Mountain Organics to connect the District of Columbia's low-income population with a specialty crop (sweet potatoes) that they may not otherwise have access by maintaining additional community gardens. 	Project Budget: \$54,933.74 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Introduction of the "Neighborhood Farm" as a Model to Reduce the Impact of Food Deserts Partner with DC UrbanGreens, Inc. to encourage food desert residents to consume more specialty crops by establishing and maintaining neighborhood gardens. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Administration Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$16,394.70

Delaware Department of Agriculture

Amount Awarded:	\$337,467.80	Number of Projects:	9
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<ul style="list-style-type: none"> • Food Safety Risks with Watermelons Grown Using Poultry Manure Partner with the University of Delaware to improve knowledge of the effects of using poultry manure in watermelon production to determine if they are eligible for an exemption to use manure within the 9 month time frame by developing a sample survey and testing watermelon fruits for contamination. 	Project Budget: \$45,904.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Supporting Delaware Growers to Meet Third Party Food Safety Audit Trends Increase the number of Delaware farmers requesting U.S. Department of Agriculture Good Agricultural Practices (GAP) by offering a cost-share to defray the costs of the audit and through advertisement of this opportunity. 	Project Budget: \$29,457.78 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Internet Resources, Curriculum Development and Educational Opportunities for Growers that Enhance the Use and Usefulness of the Mid-Atlantic Commercial</i> Partner with the University of Delaware to increase vegetable production knowledge among workshop participants and increase the use of the “Veg Recs” website by developing and conducting workshops on vegetable production and by enhancing the Veg Recs website to make it a more valuable resource for vegetable growers. 	Project Budget: \$26,865.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Developing a Profitable Organic Blueberry Production System in Underserved Communities of Delaware</i> Partner with Delaware State University to increase underserved farmer knowledge and skills to diversify farm and adopt organic blueberry production by investigating the best organic option to grow blueberry and educating farmers with a practical demonstration in sustainable production, harvesting, and post harvesting and marketing aspects. 	Project Budget: \$49,999.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>The Georgetown Persimmon Project</i> Partner with the University of Delaware Cooperative Extension to introduce Asian Persimmons to the Delaware market by planting persimmon trees, conducting consumer tests, conducting workshops and field days, and posting results on their website. 	Project Budget: \$36,724.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Specialty Crops in the State of DE: What are they, Health Benefits and Where Can You Buy Them</i> Partner with the Delaware Farm Bureau to increase the awareness of specialty crops in Delaware, highlight the health benefits of eating those crops and identify where those crops can be purchased, and, ultimately, increase sales and revenues of specialty crops in Delaware through strategically placed billboard advertising signs on major highways in Delaware. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Promoting the Cultivation of Wine grapes and Wine production in Delaware</i> Partner with the Delaware Wineries Association to increase yearly sales revenue of Delaware wines by developing and implementing a marketing plan, which includes distributing materials on Delaware wines, online advertising, and hosting two annual events focused on promoting the quality and availability of Delaware made wine to increase attendance at wine focused events, and increase the number of acres of wine grapes planted in Delaware. 	Project Budget: \$48,156.16 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Verifying and Fine Tuning Mineral Nutrient Recommendations for Selected Vegetables</i> Partner with the University of Delaware Cooperative Extension to update research on the use of nitrogen and potassium on watermelons, cantaloupes, tomatoes and peppers through studies of small fruit and vegetable plots to evaluate current recommendations for growing these specialty crops and rectifying differences in recommendations in the region. 	Project Budget: \$33,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Fresh Produce Recipes for Delaware Consumers</i> Promote consumption of specialty crops through guidance on handling, storing and preparing these fresh fruits and vegetables by developing, printing and distributing a new set of recipe cards featuring specialty crops and disseminating the information through the Department of Delaware Agriculture’s existing farmers’ market and farm stand networks, government offices, at public events, via nonprofit organizations, and an online Recipe Center. 	Project Budget: \$16,650.00 Indirect Costs: \$0.00

Florida Department of Agriculture and Consumer Services

Amount Awarded:	\$4,579,401.97	Number of Projects:	34
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<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$45,527.24
<ul style="list-style-type: none"> • <i>T-GAPs Optimization for the Reduction of Salmonella Risk in Florida Tomatoes</i> Partner with the University of Florida to improve microbiological safety of tomatoes by performing a meta-analysis of data collected to develop scientifically-validated amendments for the Tomato Good Agricultural Practices (T-GAPs); validating the interactions model in one field season; developing a comprehensive outreach model which will make the data and model available to the producers for their evaluation prior to any discussions of the formal amendments of Florida T-GAPS. 	Project Budget: \$175,821.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Sustainable Phosphorus Management for Potato production in Northeast Florida</i> Partner with the University of Florida to enhance the sustainability of potato production and the environment by evaluating the soil supplying capacities of phosphorus (P) and calcium (Ca) with the omission plot techniques (zero P and zero Ca rates); developing an optimum P and Ca management strategy for P-rich soil; and increasing awareness among the potato growers about improved nutrient management practices and enhance P and Ca use efficiency. 	<p>Project Budget: \$89,228.98 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Weed and Nematode Control for Cut Flower and Vegetable Production</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to reduce the damage weeds bring to the cut flower and vegetable industry in Florida by evaluate the only new bio-fumigant material recently registered in the U.S., trade name Dominus (IRF-135, allyl isothiocyanate) and a combination of organic acids “SPK,” both with and without herbicides for the control of soilborne pests of vegetables and cut flowers. 	<p>Project Budget: \$229,799.25 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Screening Germplasm for Bean Red Node Resistance in Snap Beans</i> Partner with the Florida Specialty Crops Foundation to increase crops yields within the Florida snap bean industry by researching and identifying bean cultivars that will be resistant against Bean Red Node (BRN) and sharing this research with seed producers and the public. 	<p>Project Budget: \$13,477.55 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Revising Chemical Control of Laurel-Wilt Vectors</i> Partner with the University of Florida to gain knowledge of key biological characteristics of ‘resident’ ambrosia beetles that vector Laurel Wilt in avocado orchards to optimize management tactics against these species by determining if the insecticides recommended for control of redbay ambrosia beetle (RAB) are effective to control ambrosia beetles that vector Laurel Wilt in avocado orchards and identifying insecticides that were not effective on RAB but can be effective on ambrosia beetles that vector Laurel Wilt in avocado orchards. 	<p>Project Budget: \$87,345.19 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Effective, Sustainable Management of Thrips in Fruits and Vegetables</i> Partner with the University of Florida to provide specialty crop growers effective and economical management of thrips and other pests by determining the efficacy of conventional and biorationale insecticides and ultraviolet-reflective technologies. 	<p>Project Budget: \$244,332.50 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Blueberry Trees? Improving Profitability of Florida's Blueberry Industry</i> Partner with the University of Florida to increase the profitability of the blueberry industry by developing a new rootstock that will increase the efficiency of the harvesting process. 	<p>Project Budget: \$102,178.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Critical Bud Temperature Determination in Low-Chill Peach and Blueberries</i> Partner with the University of Florida to increase crop yields in the blueberry and peach industries by studying the critical bud temperatures in order to implement strategies to combat lethal low-temperature exotherms. 	<p>Project Budget: \$107,669.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Florida Tomatoes: Healthy Boost for Families and Farmers</i> Partner with the Florida Tomato Committee to increase sales of Florida tomatoes through a marketing campaign across the eastern seaboard highlighting their nutritional benefits. 	<p>Project Budget: \$202,623.75 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Impact of Nitrogen Rates on Postharvest Peach Fruit Quality</i> Partner with the University of Florida to increase the quality of the Florida peach harvest and therefore increase sales by studying the effect of nitrogen rates on the peach and disseminating this data to producers. 	<p>Project Budget: \$128,300.48 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing Marketing Effectiveness and Awareness of Florida Blueberries</i> Partner with the Florida Specialty Crop Foundation to increase the sales and knowledge of Florida blueberries nutritional benefits by identifying barriers to marketing and promoting a cohesive image of Florida-grown blueberries through a survey of producers and distributors; identifying consumers’ perceptions of and barriers to purchasing Florida-grown blueberries; developing a marketing plan for Florida blueberry producers; and developing and disseminating outreach materials, such as a trade publication, insert, or website to jump-start the marketing campaign for the industry. 	<p>Project Budget: \$157,559.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Optimizing Nitrogen Fertilization for Florida's Blueberry Industry</i> Partner with the University of Florida to increase blueberry yields by determining optimum nitrogen (N) fertilization rates during blueberry plant establishment in newly planted fields; and determining optimum N fertilization rates for mature blueberry plantings that optimize yield, berry quality and profitability while minimizing risks of negative environmental impacts from nitrate leaching. 	<p>Project Budget: \$119,991.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Thrips-transmitted Ilaviruses in Tomatoes and Green Beans</i> Partner with the Florida Specialty Crop Foundation to increase tomato and green bean yields by determining the biology of novel tomato virus (NTV) and fill gaps in basic Tobacco streak virus (TSV) knowledge; determining the insect vector type and mode of virus transmission; determining temporal and spatial distribution of each virus and its vectors; and evaluating management strategies for NTV and TSV. 	<p>Project Budget: \$217,234.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Fresh Access Bucks</i> Partner with the Florida Organic Growers to increase financial viability for specialty crop farmers at participating farmers' markets by promoting the purchase of local specialty crops at farmers' markets to low income Florida residents. 	<p>Project Budget: \$234,726.88 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Refining Strategies to Reach Florida Small Farms Specialty Crop Producers</i> Partner with the University of Florida to increase the efficiency and environmental sustainability of small specialty crop farmers in Florida by collaboratively designing and hosting three regional small farms specialty crop conferences; developing a new food safety curriculum and training for farmers' market managers and specialty crop producers selling directly to consumers; and engaging key stakeholders in an assessment of the challenges and opportunities of marketing buy local initiatives for specialty crop production in Florida. 	<p>Project Budget: \$204,648.76 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expanding and Promoting Florida Specialty Crop Exports to Taiwan</i> Increase the sale of Florida specialty crops to Taiwan by investigating Taiwanese buying habits and consumer preferences for specialty crops to determine the feasibility of marketing more Florida products. 	<p>Project Budget: \$37,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Decision Support System for Managing Foliar Disease on Cucurbits in Florida</i> Partner with the Florida Specialty Crop Foundation to increase cucurbit (watermelon, cucumber, squash and cantaloupe) yields by developing a decision support system (DSS) that integrates the three models for managing foliar disease of cucurbits. 	<p>Project Budget: \$203,070.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Weed Management Plans for Strawberry Plasticulture Production</i> Partner with the Florida Specialty Crop Foundation to increase strawberry producers' yields by evaluating strawberry crop termination techniques and weed management options for cucurbits and eggplants double cropped with strawberry; modeling the impact of input reduction (multiple use of plastic) and diverse rotations (monocrops versus double cropping) on weed population trends over time; and developing weed management protocols that facilitate input reduction and double cropping and determining the impact on grower income and income stability. 	<p>Project Budget: \$157,897.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Miami-Dade & Redland Raised Markets in The Parks Nutrition Program</i> Partner with Miami-Dade County to increase the overall market viability of the local specialty crop farming industry and demand for locally grown specialty crops and to improve public access to healthy, locally grown foods by educating the public on the importance of nutrition through the consumption of specialty crops; publicizing specialty crops at local markets; encouraging residents to procure and eat healthy, locally produced, specialty crops; and providing specialty crop producers/vendors convenient access to those educated consumers. 	<p>Project Budget: \$105,333.33 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Fertilization Practices for Sod Production that Minimize Environmental Impact</i> Partner with the University of Florida to increase the efficiency and income of the landscaping industry by evaluating seven different sod production fertilization regimens to quantify their potential impact on nonpoint source pollution and developing improved production recommendations that will reduce the environmental impact of sod production systems while improving the long-term financial stability of those associated with the industry. 	<p>Project Budget: \$101,383.67 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>'STEM'ing Up Gardening for Grades</i> Partner with Florida Agriculture in the Classroom to increase knowledge about the nutritional value of locally raised specialty crops amongst Florida youth by providing material to teachers to both encourage the adoption of school gardens and roll out new lesson plans that allow teachers to teach science, technology, engineering, and mathematics (STEM) lessons based on the garden. 	<p>Project Budget: \$86,000.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Reducing the Threat Posed by Africanized Honey Bees to Specialty Crop Product</i> Partner with the Florida Specialty Crop Foundation to increase crop pollination, and thus crop yields, by preventing the colonization of barn owl nesting boxes by Africanized Honey Bees (AHB), thus preserving a threatened wildlife species and a widely recognized integrated pest management (IPM) program for sustainable rodent control; reducing the threat posed by AHBs to agricultural workers through safety seminars and by pulling feral swarms into highly visible bee bait boxes, removing them; preserving crop pollinators by re-queening feral hives with a European honey bee queen, hopefully offsetting the serious problem of colony collapse being experienced nationwide. 	Project Budget: \$114,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Integrated Use of Grafting to Improve Sustainability of Florida Watermelon Industry</i> Partner with the University of Florida to increase knowledge about the effectiveness of integrated approaches involving grafting and fungicides for managing Fusarium wilt in watermelon production systems by determining the effects of using grafted watermelon transplants with resistant rootstocks for controlling Fusarium wilt in problem-fields, and in field “hot spots” where high disease pressure has led to consistent failure of previous watermelon crops; assessing the quality attributes of watermelon fruit from grafted plants; comparing grafted and non-grafted watermelon production at different in-row spacings to determine the feasibility of reducing planting density for grafted watermelons while maintaining fruit yield; and analyzing industry preference for different procedures of grafted transplant production and associated costs and returns of grafted watermelon production. 	Project Budget: \$134,686.75 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Expanding Avocado Production in Florida</i> Partner with the University of Florida to protect the South Florida industry with Laurel Wilt resistant varieties and expand U.S. production of ‘Hass’-like fruit by identifying parent genotypes and associated molecular markers that confer a higher degree of Laurel Wilt tolerance; identifying new cultivars from Hass x Bacon progenies that appear to be well-adapted to east central Florida and South Florida; and establishing performance evaluation trials of Hass-like varieties on three rootstocks to identify superior cultivars for Florida production. 	Project Budget: \$145,381.67 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Finding Viable Labor Solutions for Florida Specialty Crop Growers</i> Partner with the Florida Specialty Crop Foundation to help an specialty crop employer determine whether the H-2A program provides a viable solution to address his/her labor needs by evaluating the extent of labor shortages and estimate the economic ramifications of that shortfall; identifying barriers to adoption of the H-2A program; and developing an “enterprise” budget for the H-2A program. 	Project Budget: \$93,125.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Redefining Early Strawberry Varieties for Florida</i> Partner with the University of Florida to increase the yields of Florida strawberry growers in order to take advantage of high winter strawberry prices by employing new genome scanning technology for strawberry and new software and statistical approaches to accelerate breeding for early yield; testing early yielding prototype varieties in commercial fields; and performing an economic analysis to ensure that the new breeding strategy is optimized for both the breeding program and grower profitability. 	Project Budget: \$200,898.50 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Connecting Specialty Crop Producers with Consumers</i> Partner with the University of Florida to increase specialty crop producers’ knowledge of new and emerging markets and the requirements of selling to them by providing producers a marketing toolkit, sharing productivity enhancing management practices and demonstrating modern agricultural production practices to new and small farmers. 	Project Budget: \$116,414.67 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Florida Flower Trials: FNGLA's Floriculture Field Days and Performance Trials</i> Partner with the Florida Nursery Growers Association to increase incomes in the floriculture industry by testing and marketing to the industry new floriculture varieties that will thrive in Florida. 	Project Budget: \$64,480.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Temperature Management for Quality and Safe Florida Blueberries and Peaches</i> Partner with the Florida Specialty Crop Foundation to extend the postharvest quality and safety of Florida fresh market blueberries and peaches by conducting postharvest time/temperature studies at grower/shipper facilities; comparing the results of the above tests with postharvest quality and microbial populations of blueberries and peaches cooled day of harvest; and determining the costs and benefits of current cooling practices and compare with those necessary to implement the proposed Best Temperature Management Practices. 	Project Budget: \$286,403.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Rational Strategies to Improve Gray Mold and Ripe Rot Management for Florida Blueberries</i> Partner with the University of Florida to address fruit rot diseases of blueberries by developing strategies to combat gray mold and ripe rot and disseminating these strategies to blueberry producers. 	Project Budget: \$113,503.25 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increased Water Use Efficiency and Quality of Florida Hybrids</i> Partner with Florida A&M University to provide the metabolic profiles of grape berry and their enological properties in relation to regulated deficit irrigation (RDI) by determining the RDI affects on wine quality and composition, determining the optimum duration and berry developmental stage for imposing RDI that results in superior wines, and identifying Florida hybrid bunch cultivars positively responding to RDI. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Florida Agriculture Financial Management Conference</i> Partner with the Florida Specialty Crop Foundation to increase specialty crop producers' knowledge of concepts related to agricultural financial management by facilitating a management conference that educates producers through a series of informative sessions. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Identify Sterile, Non-invasive Lantana Varieties for Florida Nursery & Landscaping</i> Partner with the University of Florida to limit the potential damage by the invasive lantana by evaluating the male and female fertility of 21 lantana varieties in south and central Florida to identify varieties with consistent sterility; assessing the hybridization potential of lantana varieties with Florida native lantana to identify noninvasive varieties; preparing Intraspecific Taxon Protocol; and disseminating scientific data on the sterile, non-invasive lantana varieties. 	Project Budget: \$131,684.50 Indirect Costs: \$0.00

Georgia Department of Agriculture

Amount Awarded:	\$1,400,940.62	Number of Projects:	22
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<ul style="list-style-type: none"> • <i>Investigating Bloom Period and Insect Tolerance of Azalea Cultivars to Expand Market Potential</i> Partner with the Center For Applied Nursery Research to identify azalea cultivars that reliably flower in market windows, cultural practices that can enhance flowering, and cultivars that are less susceptible to pest damage through creating an azalea evaluation standard, develop insect preference survey and planting growth regulators. 	Project Budget: \$55,150.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Eat a Georgia Rainbow Program and Georgia Farm Exhibition</i> Partner with the Children's Museum of Atlanta to educate children and their adult caregivers about Georgia grown fruits and vegetable crops through hosting cooking classes, conducting traveling educational programs at schools, and creating programming at the museum. 	Project Budget: \$92,000.00 Indirect Costs: \$8,000.00
<ul style="list-style-type: none"> • <i>Addressing Risk Management Needs of Cantaloupe Growers in Preparation of the New FSMA Guidelines</i> Partner with the Eastern Cantaloupe Growers Association to educate cantaloupe growers about the most current food safety research so they can fully employ 'best practices' in their operations and comply with the national cantaloupe guidance document by providing recall and crisis communication training to growers and identify consumer trends for purchasing cantaloupes, which will include hosting a summit with workshops. 	Project Budget: \$49,200.00 Indirect Costs: \$3,936.00
<ul style="list-style-type: none"> • <i>Increasing Profitability and Productivity of Specialty Crop Agritourism Producers through Education and Educational Tools</i> Partner with the Georgia Agritourism Association to enhance the available knowledge for specialty crop agritourism producers, local and state regulators and consumers with up-to-date industry news, posting of educational opportunities and tools for new and established specialty crop agritourism producers, as well as creating a starting point for consumers to search and visit a specialty crop agritourism operation by facilitating educational workshops during the Agritourism Conference for specialty crop agritourism producers seeking to develop or expand agritourism markets. 	Project Budget: \$54,390.00 Indirect Costs: \$4,323.00
<ul style="list-style-type: none"> • <i>Biology and Management of Spotted Wing Drosophila, a Major Threat to Profitability of Blueberry Growers in Georgia</i> Partner with the Georgia Blueberry Growers Association to determine the best management practice to minimized blueberry crop losses and increase profits by investigate the seasonal biology and ecology of spotted wing drosophila (SWD). 	Project Budget: \$100,000.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Marketing Support for the Georgia Nursery Industry</i> 	Project Budget: \$46,320.00
<p>Partner with the Georgia Green Industry Association to increase awareness and demand for nursery and greenhouse crops by Georgia consumers by implementing a “Plant Something!” marketing campaign promoting local sources of Georgia grown nursery plants, industry certifications, and the environmental, economic, and health benefits of Georgia grown ornamental plants.</p>	Indirect Costs: \$3,680.00
<ul style="list-style-type: none"> • <i>Research, Education, Training and Solutions for Consistent and Expanded Production of Olives in Georgia and other Southeastern States</i> 	Project Budget: \$40,000.00
<p>Partner with the Georgia Olive Growers Association to determine the influence of environmental factors on plant nutrition, crop yield, and olive oil quality by identifying environmental factors that influence production and quality of olives and olive oil; developing an educational networking system; and creating larger customer awareness of domestic grown olives and olive oil.</p>	Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Reaping Georgia’s Organic Yield: A Training Program to Support Georgia’s Organic Specialty Crop Producers</i> 	Project Budget: \$32,000.00
<p>Partner with Georgia Organics to increase the number of organic specialty crop producers in Georgia by producing a series of webinars to market the value of organic certification to specialty crop producers and train specialty crop producers on the cornerstones of organic certification.</p>	Indirect Costs: \$2,800.00
<ul style="list-style-type: none"> • <i>Georgia in July</i> 	Project Budget: \$100,000.00
<p>Partner with the Georgia Peach Council to develop a ‘Marketing Tool Kit’ for retailers to utilize to increase the demand for Georgia peaches grown in July; campaign to promote Georgia grown peaches during the month of July.</p>	Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>A Campaign to Increase Domestic Pecan Purchasing and Consumption: Improving Awareness of Georgia Pecan Health Benefits</i> 	Project Budget: \$100,000.00
<p>Partner with the Georgia Pecan Growers Association to increase the awareness of the health benefit of pecans as well as the sales and returns for Georgia pecan producers by developing a targeted, bilingual marketing campaign that includes various media and hosting an exhibit at the Produce Marketing Association’s (PMA) Fresh Summit.</p>	Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Developing a Predictive Model for Peach Harvest Dates</i> 	Project Budget: \$46,302.00
<p>Partner with the Georgia Tech Research Institute to help peach growers to predict harvest dates more accurately by creating a software tool that will combine meteorological data from the counties where peach farms are located, with peach production and phenological data obtained from peach farms to create statistical regression-based models that will predict first and subsequent harvest dates.</p>	Indirect Costs: \$3,698.00
<ul style="list-style-type: none"> • <i>Implementation and Evaluation of Modern Tools for Pecan Crop Scouting</i> 	Project Budget: \$54,079.00
<p>Partner with the Georgia Tech Interactive Media Technology Center to increase pecan crop yields by integrating a wearable system which evaluates the needs of pecan farmers performing crop scouting.</p>	Indirect Costs: \$4,326.00
<ul style="list-style-type: none"> • <i>The Importance of Following Good Food Safety Practices in Handling and Preparing Watermelons</i> 	Project Budget: \$18,226.00
<p>Partner with the Georgia Watermelon Association to increase the watermelon knowledge of consumers and producers by providing consumers with information which communicates best practices in the purchasing, storage and preparation of watermelons and providing the latest ‘best practices’ information to Georgia watermelon growers on production procedures related to pest management, irrigation, food safety or others.</p>	Indirect Costs: \$1,458.00
<ul style="list-style-type: none"> • <i>Increasing Fruit and Vegetable Market Share for Georgia Growers (FRESH SUMMIT)</i> 	Project Budget: \$45,920.00
<p>Partner with the Georgia Fruit & Vegetable Growers Association to increased number of producer new/renewed contacts during the Produce Marketing Association’s (PMA) Fresh Summit resulting increase in sales by hosting a pavilion at the largest trade show in North America (PMA’s Fresh Summit).</p>	Indirect Costs: \$3,673.00

<ul style="list-style-type: none"> • <i>Education-Education-Education: The Key to Increased Productivity and Profitability for Specialty Crop Producers in Georgia</i> Partner with the Georgia Fruit & Vegetable Growers Association to increase producer knowledge about food safety, production practices, and other areas of interest by hosting educational venues, including the Southeast Regional Fruit and Vegetable Conference, webinars, on farm food safety consultations, and workshops; developing educational materials and blogs which will assist consumers in finding the latest produce nutritional value, Georgia Grown produce information, background and locations with locally grown produce; and increasing the opportunities to support educational programming for the U.S. Department of Agriculture’s ‘Farm to School’ and the Georgia Department of Agriculture’s ‘Feed My School’ program. 	Project Budget: \$129,584.00 Indirect Costs: \$9,296.00
<ul style="list-style-type: none"> • <i>Pick, Cook, Keep—Farmers Markets</i> Partner with the Georgia Public Broadcasting to increase students’ interest and knowledge of specialty crops by integrating specialty crop information into curriculum through vignettes highlighting in season specialty crops and how they are prepared and promoting proper selection of specialty crops at farmers’ markets. 	Project Budget: \$130,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Careers with Specialty Ingredients Phase 1: Growing Specialty Crops Business</i> Partner with the Hospitality Education Foundation of Georgia to increase student awareness and therefore their loyalty to Georgia’s specialty crops by partnering students with specialty crop businesses, where they will learn each department and write a summary report; creating a foodservice event where students are invited to lead educational seminars and industry will critically evaluate their understanding of specialty crop businesses and product understanding; and creating an innovative video, for classroom use, to reinforce specialty crop business knowledge for years. 	Project Budget: \$69,580.00 Indirect Costs: \$5,420.00
<ul style="list-style-type: none"> • <i>Mustard Seed Projects-Atlanta Veterans Farmers Market Featuring the Veterans Organic Produce Label</i> Partner with the Atlanta Veterans Farmers Market to increase the U.S. veteran knowledge of organic specialty crop production and certification process by providing training for disabled and homeless veterans for the production of organic specialty crops that are eligible for the Georgia Veteran’s Organic Produce and Veterans Organic Produce label. 	Project Budget: \$25,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Reducing Fumigant Exposure to Workers and the Community While Improving Pest Management and Vegetable Yields</i> Partner with the University of Georgia to reduce fumigant exposure to vegetable field workers and individuals within the community, reduce production costs, and improve weed management and ultimately yields in a multitude of specialty crops by developing more effective cultural and fumigant application techniques. 	Project Budget: \$37,540.00 Indirect Costs: \$3,003.00
<ul style="list-style-type: none"> • <i>Using Precision Irrigation Technology to Increase the Economic Competitiveness and Environmental Sustainability of Georgia Floriculture Producers</i> Partner with the University of Georgia to increase the economic and environmental sustainability of specialty crop (with a focus on commercial floriculture) producers by investigating precision irrigation systems to determine plant grow rate, quality and marketability; and the economic benefits and return on investments to the producer. 	Project Budget: \$22,320.00 Indirect Costs: \$1,941.00
<ul style="list-style-type: none"> • <i>Vidalia Onion Committee-V is for Vidalia</i> Partner with the Vidalia Onion Committee to sustain Vidalia onion sales by developing a social media advertising campaign meant to increase sales and demand for Vidalia Onions across various demographics, with a focus on the Millennial generation. 	Project Budget: \$75,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Vineyard and Winery Initiative for West Georgia</i> Partner with the Vineyard and Winery Association of West Georgia to increase the knowledge of wine grapes among current and potential growers through educational opportunities with experts on wine-grapes, wine making and co-operatives that ultimately result in more growers due to an increase in interest in the wine-grape industry. 	Project Budget: \$15,353.92 Indirect Costs: \$0.00

Guam Department of Agriculture

Amount Awarded:	\$223,448.07	Number of Projects:	1
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<ul style="list-style-type: none"> • <i>Education and Training of Local Workforce Through Tissue Culture Production of Healthy Bananas on Guam</i> Partner with the University of Guam, Western Pacific Tropical Research Center to educate the public, students, and industry how to produce disease-free banana plants via propagation by creating student apprenticeships, hosting field trips, and fostering an advanced hands-on learning environment that will increase knowledge and produce an estimated 1,000 disease-free banana plants per year. 	Project Budget: \$205,559.76 Indirect Costs: \$17,875.00
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Hawaii Department of Agriculture

Amount Awarded:	\$471,145.05	Number of Projects:	12
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<ul style="list-style-type: none"> • <i>Statewide Trials of Promising New Varieties of Taro</i> Partner with University of Hawaii to develop new and improved varieties of taro, resistant to taro leaf blight, increasing food sufficiency by increasing yields and quality of taro in Hawaii. 	Project Budget: \$39,781.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Buying Local for the USDA Fresh Fruit and Vegetable Program</i> Partner with The Kohala Center to encourage U.S. Department of Agriculture’s Fresh Fruit and Vegetable Program (USDA FFVP) schools to spend more of their allocated funds to buy local instead of buying bulk quantities from wholesalers and to increase local farmers’ knowledge on requirements to participate in the USDA FFVP which has the potential to impact the health of local children who eat fresher fruit and vegetables and will generate more dollars into the local economy. 	Project Budget: \$38,586.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Phase II of Tea Propagation Initiative-Strategic Propagation for Tea Hubs</i> Partner with The Tea Chest to establish nurseries on four islands to root tea plant cuttings, establish 28,800 new tea plants, educate and support farmers and spur the development of “tea hubs”, a co-operative, which would provide semi and fully automated processing equipment that is too expensive for individual farmers to afford. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>The Hawaii Taro Project (HIT); Cultivating a Prized Hawaii Crop</i> Partner with Waipio Valley Taro Products to increase knowledge and awareness of taro through a marketing effort by conducting workshops and setting up in store displays and demonstrations, anticipating an increase in sales and production. 	Project Budget: \$37,450.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maintaining an established Breadfruit (Ulu) Orchard</i> Partner with Mililani Agricultural Park LLC to expand production on an existing breadfruit farm creating a demonstration model to test different methods of maintaining an established orchard, update a user guide to aid growers and conduct a field day to invite interested growers and the public to learn more about breadfruit and how it is grown with the intent of increasing the number of breadfruit farmers. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Statewide Hawaii-Grown Cacao Month Initiative to Provide Outreach, Public Awareness, Farmer Assistance and Education Resources</i> Partner with Hawaii Chocolate Association to create a sustainable on going marketing model for the cacao industry that provides support to the small farmers that might not have the marketing expertise to create meaningful programs allowing them to grow their business. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancing the Competitiveness of Basil Production in Hawaii</i> Partner with University of Hawaii to conduct research to discover new treatments to combat downy mildew on basil, which will improve production practices for growers. 	Project Budget: \$39,804.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Development of New and Improved Anthurium Cultivars for Hawaii</i> Partner with U.S. Department of Agriculture’s Agricultural Research Service to collect and preserve existing anthurium that possess viable traits and improve these through breeding and biotechnology in order to provide clean material to growers and increase production because many cultivars were destroyed by bacterial blight. 	Project Budget: \$39,745.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increasing the Supply of Specialty Crop Fruit Trees for Growers in Hawaii</i> Partner with Hawaii Tropical Fruit Growers to develop a series of tropical fruit trees germplasm repositories throughout the state and procure the resulting exotic trees for planting and distributing to growers and nurseries which would pave the way for increased fruit production on all islands. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • Rooting of Papaya Cuttings Partner with Hawaii Agriculture Research Center to develop ,in a dedicated greenhouse, a successful way of rooting starts of papaya plants duplicating the conditions that resulted in larger greener leaf plants to provide the growers and nurseries with clean stock rooted cuttings of various varieties and conduct workshops encouraging them to continue the rooting process on their own. 	Project Budget: \$28,166.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • A potential New Pulse Crop for Hawaii: Garbanzo Beans Conduct field trial introductions of garbanzo beans to determine its potential to become a new pulse crop for Hawaii and determine the commercial potential for farmers and to promote better nutrition and food security for Hawaii. 	Project Budget: \$50,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Administration Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$9,449.59 Indirect Costs: \$26,633.30

Idaho State Department of Agriculture

Amount Awarded:	\$1,925,387.59	Number of Projects:	20
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<ul style="list-style-type: none"> • Protocol to Improve the Efficiency and Quality of Fried Potato Products Partner with Boise State University to maximize the nutritional value, reduce incidence of unacceptable discoloration, maintain flavor integrity, and generate potato products of suitable texture during fryer operations using a Near Infrared Spectrophotometry. 	Project Budget: \$155,735.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Sunnyslope Soils Analysis (SSSA) Partner with Boise State University to potentially attract large wineries to Idaho by studying vineyard soils in the Sunnyslope district of the Snake River Valley Apellation to establish baseline dataset to determine soil types more suited for wine grape production. 	Project Budget: \$72,420.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • The Impact of Tree Architecture and Girdling at Full Maturity in a Modern Super High Density Orchard on Yield Efficiency, Fruit Quality, Mineral Parti Partner with the Idaho Apple Commission to increase yield and fruit quality and optimize mineral nutrient uptake through the use of various tree architectures in combination with new dwarf rootstocks and trunk girdling in high density orchards in ‘Fuji’ apple when trees are fully mature. 	Project Budget: \$113,124.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Developing Season-Long Integrated Weed Control Systems in Idaho Dry Beans Partner with the Idaho Bean Commission to develop effective integrated weed control strategies in sprinkler and furrow irrigated beans that will enable Idaho bean growers to improve their bean yield and quality by reducing losses due to hairy nightshade and other weed competition and their impact on crop quality. 	Project Budget: \$56,685.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Developing the Bean Seed Market in Costa Rica Partner with the Idaho Bean Commission to demonstrate the value of investing in certified disease free Idaho seed by replicating Idaho grown Costa Rica red bean varieties, certifiable as disease free to be used at seed stock in Costa Rica, and to identify Idaho grown black bean varieties that will outperform similar to Costa Rican grown varieties. 	Project Budget: \$17,870.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Increase Quality, Awareness, and Sales of Idaho Wine Partner with the Idaho Grape Growers and Wine Producers Commission to increase market share and quality of Idaho wine and awareness through marketing campaign that enhances the website and utilizes social media. 	Project Budget: \$88,400.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • Evaluating Experimental Hop Selections in Unique Idaho Terroir Conditions Partner with the Idaho Hop Commission to develop new public varieties of hops and increase Idaho's global market share through the establishment of a central test plot where new selections can be assessed prior to release, varieties can be compared and contrasted with Washington and Oregon varieties, aroma and oil content can be evaluated, and brewers can give input on quality of aroma and flavor. 	Project Budget: \$68,250.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Idaho Wholesale Nursery Map and Consumer Plant Something Magazine</i> Partner with the Idaho Nursery and Landscape Association to increase the production and awareness for specialty crop nursery products through the publication of the Idaho Wholesale Nursery Locator map and “Plant Something!” magazines. 	<p>Project Budget: \$23,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Media Plant Something Marketing Campaign</i> Partner with the Idaho Nursery and Landscape Association to increase the sales of Idaho nursery crops by using radio and television as the primary advertising media for the “Plant Something!” campaign. 	<p>Project Budget: \$24,750.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Identification of potato genes conferring resistance to NTN and N-Wilga recombinants of Potato Virus Y</i> Partner with the Idaho Potato Commission to identify new N genes conferring hypersensitive resistance to recombinant strains of potato virus Y (PVY) and to develop molecular markers linked to these new N genes. 	<p>Project Budget: \$149,420.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>International Development for Idaho Potatoes – 2014</i> Partner with the Idaho Potato Commission to increase sales of Idaho potato products in international markets through promotional activities at the retail level, in-bound and out-bound trade missions, participation in trade shows, training workshops for end-consumers, and foodservice and wholesale distribution. 	<p>Project Budget: \$114,631.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Promoting Specialty Crops through Advertising and Retail Promotions</i> Partner with the Idaho Preferred to continue to promote Idaho grown specialty crops through advertising and in-store retail promotions. 	<p>Project Budget: \$213,990.29 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Developing Awareness of Idaho-E. Oregon Onions and Building International Markets in Mexico and Central America through In-store Promotions and Trade</i> Partner with the Idaho-Eastern Oregon Onion Committee to promote and develop awareness of Yellow Onions in Mexico and Central America through in-store promotions in 2014 in several Mexico cities as well as three trade missions--two 2014 Western United States Agricultural Trade Association Trade Missions and a 2015 Trade Mission with Idaho’s Governor . 	<p>Project Budget: \$40,290.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expanding the Application of the Crop Monitoring and Assessment Platform</i> Partner with Northwest Nazarene University to widen the applications and capabilities of Crop Monitoring and Assessment Platform (C-MAP) for specialty crop management and to advance Precision Agriculture knowledge through workshops and high school educational visits. 	<p>Project Budget: \$76,686.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Identification and Exploitation of Resistance to Zebra Chip Disease in Potato</i> Partner with the University of Idaho to explore new approaches to generate resistant potato lines by cloning Lso virulence genes and using them to identify putative resistance genes in potatoes. 	<p>Project Budget: \$95,090.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Studying Adaptation, Introduction, and Quality of Alternative Fruits to Enhance Profitability of Small Businesses and Public Health in Idaho</i> Partner with the University of Idaho to expand production and awareness of alternative fruit crops grown in Idaho through investigating new and existing alternative fruit and nut crops and providing interested growers educational workshops. 	<p>Project Budget: \$103,420.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Enhancing Domestic Trade of Dry Peas, Lentils and Chickpeas by Educating the Food/Foodservices Industry about the Benefits of Utilizing Pulses as Ingr</i> Partner with USA Dry Pea & Lentil Council to increase awareness of how dry peas, lentils and chickpeas function as ingredients and enhance nutritional values of food through an educational, informative and hands-on product development course that will target and educate a specific audience in the food industry including product development specialists, nutritionists, and food marketing professionals. 	<p>Project Budget: \$134,404.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Deciphering the Effects of Grapevine Virus on Idaho Grape/Wine Quality</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to establish quality components of Idaho wine grapes by identifying Grapevine leafroll virus-3 and its impact on grape wine quality. 	<p>Project Budget: \$64,940.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Method Development for Automated, Real-time Monitoring of Wine Grape Vine Water Stress for Use in Wireless Sensor-based Irrigation Networks</i> Partner with the U.S. Department of Agriculture’s Agricultural Research Service to increase the quantity and quality of wine grapes in Idaho by determining whether Neural Network modeling and infrared measurement of leaf temperature can be used to develop methods of monitoring and interpreting wine grape vine water status. 	Project Budget: \$109,502.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$141,848.58 Indirect Costs: \$50,000.00

Illinois Department of Agriculture

Amount Awarded:	\$657,641.84	Number of Projects:	16
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<ul style="list-style-type: none"> • <i>Illinois Specialty Crops, Agritourism, and Organic Conference</i> Partner with the Illinois Specialty Growers Association to increase the training opportunities of Illinois specialty crop growers with focus on current food safety requirements through the facilitation of an educational conference. 	Project Budget: \$32,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increasing Demand Among SNAP Clients for IL Specialty Crops</i> Partner with the Experimental Station to increase knowledge of nutritional benefits and consumption specialty crops through educational workshops and cooking classes utilizing specialty crops and pilot a program with the Carnegie School to provide gardening skills to grow vegetables in a local hoop house. 	Project Budget: \$10,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Promoting Sustainable Vineyards: Business Planning Workshops for the Illinois Grape Grower</i> Partner with Illinois Grape Growers and Vintners Association to increase the number of grape growers implementing new business practices through hosting Business Planning Workshops for the Illinois Grape Grower. These workshops will cover the essentials to run a vineyard like a business, to include marketing, contracts, financial practices, and customer service. 	Project Budget: \$15,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Illinois Where Fresh Is</i> Partner with WBBM TV, CBS Community Partnership Division, to continue the “Illinois Where Fresh Is” campaign with the addition of the mobile platform on cbschicago.com to encourage consumption of local specialty crops by educating the public on their nutritional value; promoting healthier eating habits; and profiling industry leaders to emphasize the personal and proud story of specialty crop farming. 	Project Budget: \$110,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increasing Illinois Specialty Crop Production and Sales Through a Season Extension Workshop Guide and Infographic</i> Partner with The Land Connection to provide Illinois specialty crop growers with the knowledge, experience and confidence to successfully implement appropriate season extension practices on their farms by hosting a three-day intensive training workshop and creating an online season extension guide and infographic. 	Project Budget: \$38,904.84 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Branding the “Illinois Where Fresh Is...” Logo Program and Calling Consumers to Action to Buy Illinois Grown Specialty Crops</i> Continue with Phase Three of the Illinois specialty crop promotion campaign by promoting the existing awareness of the “Illinois Where Fresh Is...” campaign through a statewide paid advertising campaign, promoting the Buy Illinois Fruits and Vegetables Challenge to encourage consumers to dedicate at least \$10 of their existing grocery budget towards the purchase of Illinois grown fruits and vegetables, and expanding the campaign to promote fall specialty crops including pumpkins and apples. 	Project Budget: \$66,439.55 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Nano-encapsulated Thiamine Dialauryl Sulfate for Control of Fungal Pathogens Related to Horseradish Root Discoloration</i> Partner with the University of Illinois at Urbana-Champaign to investigate the use of thiamine dilauryl sulfate as an effective, long-lasting, and environmentally friendly antifungal agent to control horseradish root discoloration. 	Project Budget: \$64,990.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Enhancing Market Opportunities for Illinois Specialty Crops with Consumer Education Targeting Healthy Living</i> Partner with Stacy Pasoni, the Healthy Hippy Chef, to increase consumer awareness of Illinois specialty crops and how to incorporate those products into a healthy, affordable and tasty diet by utilizing a campaign that focuses on television and social media networks. 	<p>Project Budget: \$13,658.40 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Screening Pumpkin Cultivars and Accessions to Identify Resistance to Bacterial Spot Caused by Xanthomonas Cucurbitae</i> Partner with the University of Illinois to develop effective strategies for management of bacterial spot of pumpkin by investigating and identify resistant pumpkin cultivars and accessions to X. cucurbitae. 	<p>Project Budget: \$58,890.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Sustainable Local Mushroom Production Systems for Illinois to Enhance Grower Profitability and Increase Consumer Choices</i> Partner with the University of Illinois at Urbana-Champaign to compare productivity of oyster mushrooms on various substrates, evaluate the economic feasibility of white button and portabella mushrooms during the winter in high tunnels in Southern Illinois, and increase specialty crop growers' knowledge about management practices and economic feasibility of mushroom production in Illinois. 	<p>Project Budget: \$36,323.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Specialty Crops Education and Awareness through Illinois Agriculture in the Classroom - Apple Ag Mag</i> Partner with Illinois Agriculture in the Classroom to and highlight how and where the apples are grown to Illinois students by updating the Apple Ag Mag, which is a four page colorful agriculture magazine geared for the 4th grade level that will feature Illinois specialty crop growers. 	<p>Project Budget: \$15,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing Supply and Demand of Specialty Crops in Illinois</i> Partner with the Illinois Stewardship Alliance to build relationships between chefs and specialty crop producers, educate consumers about the availability of specialty crops, and explore the potential of piloting an online ordering system for restaurants to procure locally grown specialty crops. 	<p>Project Budget: \$24,765.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Assessing Variability in Vegetable Crop Yield and Heavy Metal Recontamination Across the Chicago Metropolitan Region</i> Partner with the University of Illinois at Urbana-Champaign to determine the most productive vegetable crops and cultivars for farms in the Chicago metro region and to identify the environmental factors driving differences in yield among locations. Additionally, research will be conducted to determine the concentration and bioavailability of heavy metals in raised-bed soils across the Chicago metro region. 	<p>Project Budget: \$67,604.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Asian Greens in Illinois Farmers Markets: A Market Analysis, Cultivar and Phytonutrient Study</i> Partner with Southern Illinois University to explore the market potential of Asian greens at Illinois farmers markets to better understand what compels customers to buy an unfamiliar green and how to best support the production and sales of this profitable and highly nutritious specialty crop. 	<p>Project Budget: \$58,573.80 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Horseradish Breeding and Propagation Research 2015</i> Partner with the Horseradish Growers of Illinois, in collaboration with Southern Illinois University, the University of Illinois, and the University of Illinois Extension, to diminish the severe problems of horseradish root discoloration by incorporating new genes into the limited genetic pool that we are currently using in the Illinois horseradish breeding program to improve future horseradish variety releases; developing and releasing new horseradish varieties; determining the usefulness of using leaf propagation for rapidly increasing newly selected variety to get the high clonal numbers required to initiate and establish commercial production; and transferring the results of this project to horseradish growers in Illinois at autumn twilight meeting as well as at the annual horseradish conference. 	<p>Project Budget: \$41,828.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$494.12 Indirect Costs: \$0.00</p>

Indiana State Department of Agriculture

Amount Awarded:	\$454,727.91	Number of Projects:	7
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<ul style="list-style-type: none"> • <i>Urban Four-Season Specialty Crop Project</i> Partner with Growing Places Indy to expand production at the Chase Legacy Center, growing specialty crops year round through season extension methods using existing greenhouses and construction of a high tunnel, low tunnel and raised beds to provide easy access to fresh fruits and vegetables and educational opportunities for the Indianapolis' Near East Side and community members. 	Project Budget: \$34,630.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Breaking New Ground with Hops in Indiana: Varieties, Trellis Systems and a Collaborative Stakeholder Network</i> Partner with Purdue University to increase knowledge of the costs, supplies and equipment needed to establish and manage tall and dwarf trellis production systems in Indiana; identify insect pests and pathogens most problematic in Indiana hops; identify hops varieties best suited to the state; identify harvesting equipment that will facilitate a robust and profitable hop industry through identifying best management practices in Indiana's growing conditions. 	Project Budget: \$53,917.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Leading and Expanding Promotion and Sales of Indiana's Maple Sugar Industry</i> Partner with Nashville/Brown County Convention & Visitors Bureau to increase national awareness and sales of Indiana Maple sugar products by developing a two week promotional event exposing visitors to educational CD on maple tree farming while traveling from farm to farm. 	Project Budget: \$70,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Growing Opportunities</i> Partner with South Central Community Action Program to increase low income residents' and adults with developmental disabilities access to locally grown fruits and vegetables by equipping an existing greenhouse and grow specialty crops year round and providing workshops that increase knowledge about growing, preparing and cooking specialty crops. 	Project Budget: \$67,456.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Food Safety Education and Audits for Indiana Fruit and Vegetable Growers</i> Partner with Purdue University to improve growers access to markets and reduce the risk of foodborne illnesses by providing Food Safety Modernization Act (FSMA) training to specialty crop producers that focuses on food safety practices, writing and implementing food safety plans, facilitating successful food safety audits, and certification. 	Project Budget: \$121,171.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Integrating Farm to School Educational Content into Classrooms</i> Partner with Purdue University to promote specialty crops by incorporating a farm to school curriculum in the classroom directly engaging school children and to evaluate changes in their behavior, train teachers who are participating in the curriculum and deliver a two hour training to food service directors on various topics to address their concerns on regulatory requirements for supplying specialty crops to schools. 	Project Budget: \$69,860.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$36,263.54 Indirect Costs: \$0.00

Iowa Department of Agriculture and Land Stewardship

Amount Awarded:	\$308,142.40	Number of Projects:	11
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<ul style="list-style-type: none"> • <i>Record Keeping Education and Data Collection to Improve Crop Insurance, Recordkeeping Literacy and Profitability for Iowa Fruit and Vegetable Farms</i> Partner with Practical Farmers of Iowa to improve fruit and vegetable growers' recordkeeping skills and profitability by holding two financial and recordkeeping skills workshops; conducting a Whole Farm Financial Project; conducting outreach; and establishing yield baselines for crop-specific fruit and vegetables. 	Project Budget: \$24,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Minimizing Food Safety Risk at the Farmer's Markets through Online Education for Producer Vendors and Market Managers</i> Partner with Iowa State University to educate producers selling at farmers' markets about safe food practices by developing a three level food safety program targeted to farmers' market vendors and a new online Good Agricultural Practices (GAP) module targeted toward farmers' market managers to standardize the food safety practices at the farmers' market 	Project Budget: \$24,000.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Evaluating Zone 4 and 5 Conifers for Potential Use in the Iowa Christmas Tree and Nursery Industries Germinated and Grown in Two Systems</i> <p>Partner with Iowa State University Forestry Extension to identify new pines, spruce, and fir varieties that are winter hardy, drought tolerant, resistant to diseases and insects, and have characteristics desirable to the Christmas tree industry by cultivating, 35-38 plant hardiness zone 4 and 5 conifers species grown around the world that are currently not in commercial production in Iowa, evaluating them for germination, growth, survival, and overwinter survival for two years, then planting them in an on-campus study garden for future long term evaluation of disease, insect susceptibility, overall tree form, and maintenance requirements.</p>	<p>Project Budget: \$20,726.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Establishing a Standard of Identity for Jams and Jellies made from Aronia Berries</i> <p>Partner with Iowa State University to establish a standard of identity for jams and jellies made from Aronia berries by collecting jams and jellies produced by various Aronia berry growers throughout the Midwest and testing them to see if they meet composition and quality federal standards which would allow Aronia berry growers to utilize the Aronia berry name on jam and jelly product labels and making it acceptable to sell at farmers' markets without further testing.</p>	<p>Project Budget: \$23,558.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Investing in Refugee Specialty Crop Producers</i> <p>Partner with Lutheran Services in Iowa to increase the availability of specialty crops produced to the general public and low-income children and families by providing additional training to develop refugee farmers' their production and marketing practices and improve their business skills to increase the number of pounds of produce harvested and sold in the 2014-2015 growing season.</p>	<p>Project Budget: \$24,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Understanding the Feasibility of a Central Iowa Nonprofit Fresh Produce Food Hub to Aggregate and Distribute Fresh Produce to Wholesalers and Retailer</i> <p>Partner with Prairie Rivers of Iowa Resource Conservation and Development to increase the market potential for aggregating and distributing locally grown specialty crops in Central Iowa by conducting a feasibility study for a Central Iowa nonprofit fresh produce food hub.</p>	<p>Project Budget: \$23,082.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Grower-based Participatory Research to Improve Tomato Production Efficiency Through Grafting</i> <p>Partner with Iowa State University to improve tomato production efficiency by conducting research investigating the effects of tomato grafting on plant health and productivity for high tunnel production, conducting participatory research with Iowa vegetable growers to facilitate grower adoption of novel production techniques, increasing grower understanding and knowledge of tomato grafting and its potential to improve production efficiency, and organizing state-wide hand-on advanced tomato grafting workshops and summer field days.</p>	<p>Project Budget: \$23,842.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Add it Up: Farm to School Makes Cents</i> <p>Increase supply and demand for locally-grown specialty crops through education and food opportunities such as Farm to School initiatives that support growers selling to schools and school gardens that provide students with hands-on gardening experience.</p>	<p>Project Budget: \$36,055.00</p> <p>Indirect Costs: \$2,244.40</p>
<ul style="list-style-type: none"> • <i>Assessing Promising Bush Fruit Adaptability: Dwarf Sour Cherry and Honeyberry and Showcasing Iowa's Best Pawpaw's</i> <p>Partner with the Native Fruit Association to assess the adaptability of the dwarf sour cherry, the honeyberry, and the pawpaw to Iowan soil and climatic conditions by providing cultural information on how to grow these fruits in Iowa, educating the public on the economic viability of these fruits, and determining if dwarf sour cherry and honeyberry cultivars are well adapted to Iowa.</p>	<p>Project Budget: \$20,045.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Measuring Stress on Fine Roots in Retail Centers</i> <p>Partner with Iowa State University Forestry Extension to measure stress on fine roots in retail garden centers by researching and identifying factors causing stress on woody nursery stock in production and retail settings.</p>	<p>Project Budget: \$47,723.85</p> <p>Indirect Costs: \$3,817.91</p>
<ul style="list-style-type: none"> • <i>Administration</i> <p>Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.</p>	<p>Project Budget: \$31,959.27</p> <p>Indirect Costs: \$2,556.74</p>

Kansas Department of Agriculture

Amount Awarded:

\$314,370.38

Number of Projects:

8

<ul style="list-style-type: none"> • <i>Improving Shelf Life Quality and Safety of Locally Grown Vegetables in Kansas</i> Partner with Kansas State University to improve the efficiency of storage and distribution of specialty crops by providing growers with access to coolers, developing the use of modified atmosphere packaging, and developing washing protocols using ozonated water. 	<p>Project Budget: \$64,254.00 Indirect Costs: \$5,584.00</p>
<ul style="list-style-type: none"> • <i>Printing of Statewide Beverage Brochure Supporting Farm Wineries</i> Collaborate with the Kansas Department of Wildlife, Parks and Tourism to highlight licensed farm wineries by updating and printing a beverage-industry focused brochure and creating a mobile and microsite. 	<p>Project Budget: \$29,376.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Viticulture and Enology Extension Project</i> Partner with Highland Community College, Viticulture and Enology Program to help the Kansas grape and wine industry to grow and improve fruit and wine quality through facilitating educational workshops, a wine evaluation event, and funding student interns to work on vineyards and wineries. 	<p>Project Budget: \$50,300.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expansion of Kansas Department of Agriculture Good Agriculture Practices Cost Share program</i> Improve specialty crop production food safety practiced and increase the number of specialty crop producers seeking and attaining Good Agriculture Practices (GAP) certifications by expanding the current GAP certification cost share program and conduct GAP audits. 	<p>Project Budget: \$18,848.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Harper County Community Educational Center – Developing sustainable practices for growing and preparing fruits and vegetables for local markets</i> Partner with The Harper County Fair Association to educate individuals on how to properly grow, safely prepare, and preserve fruits and vegetables by offering workshops and field tours, conducting courses on how to cook with fruits and vegetables, and assisting specialty crop producers in creating value-added products. 	<p>Project Budget: \$61,858.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Statewide Survey of Specialty Crops</i> Identify and prioritize challenges faced by specialty crop producers in Kansas by investigating the challenges growers are facing, taking this information to determine what tools (education, outreach, cost-share, etc.) are pertinent to sustain and grow the specialty crop industry in Kansas, and developing a specialized action plan based on needs identified in the survey. 	<p>Project Budget: \$35,941.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Development of and Instrument to Document Fruit and Vegetable Growers in Kansas</i> Partner with Kansas State University to increase economic development of the specialty crop production in Kansas by developing and testing a survey instrument that assesses the economic impact of specialty crops growers by utilizing interviews, a preliminary survey, and post-survey focus groups. 	<p>Project Budget: \$28,136.00 Indirect Costs: \$2,251.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$0.00 Indirect Costs: \$17,253.56</p>

Kentucky Department of Agriculture

Amount Awarded:	\$302,620.11	Number of Projects:	8
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<ul style="list-style-type: none"> • <i>Seed to Sale Project</i> Partner with the Kentucky Alliance of Boys & Girls Clubs to increase learning about specialty crops in areas of Kentucky where they are not readily accessible and enhance youths' basic food knowledge about what produce is available by conducting field trips to local agriculture businesses and hosting guest speakers, integrating specialty crop activities into existing curricula, and facilitating hands-on gardening activities. 	<p>Project Budget: \$45,080.00 Indirect Costs: \$3,920.00</p>
<ul style="list-style-type: none"> • <i>Fresh Fruit Handling and New Product Development Project</i> Partner with the Kentucky Blueberry Growers Association to introduce new blueberry value-added products into public schools and retail markets by increasing the capability of local blueberry producers to sort, wash, and dry blueberries that are marketed through the association. 	<p>Project Budget: \$42,573.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Green Industry Education & Marketing Opportunity for Kentucky Growers</i> Partner with the Kentucky Nursery and Landscape Association to increase the knowledge of our growers, retail operators, landscapers, and others involved in the green industry in Kentucky from topics such as nursery and greenhouse production, business management, disease & pest management, garden center/landscape maintenance, landscape installation and design, sustainability in the green industry, business management, and personnel training by offer industry education through an education conference. 	Project Budget: \$15,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Winter Fresh Stop Project</i> Partner with New Roots to increase knowledge and consumption of Kentucky specialty crops by families in Louisville’s underinvested neighborhoods through direct marketing and leadership development. 	Project Budget: \$15,270.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Improving the Market Potential and Environmental Impact of Apples Grown in Kentucky by Defining the Potential for Production of High Quality Hard Cide</i> Partner with the University of Kentucky to identify the production potential of high quality apple cultivars that are currently grown in Kentucky by measuring sugar accumulation, Titratable Acidity, and juice pH to determine usefulness for the production of for hard apple cider. 	Project Budget: \$46,000.00 Indirect Costs: \$4,000.00
<ul style="list-style-type: none"> • <i>MarketReady Training for Specialty Crop Growers</i> Partner with the University of Kentucky to increase specialty crop producer awareness and utilization of marketing programs, technical resources, and risk management resources by providing producers with trainings, workshops, and webinars. 	Project Budget: \$30,380.48 Indirect Costs: \$2,431.00
<ul style="list-style-type: none"> • <i>Plate It Up! Kentucky Proud Recipe Development and Evaluation for Consumers and Producers Using Healthy Specialty Cooking Techniques with an Emphasis</i> Partner with the University of Kentucky to increase demand for Kentucky fruits, vegetables, nuts, and herbs by developing, disseminating, and demonstrating new recipes featuring local seasonal specialty crops to market Kentucky foods as part of a healthy lifestyle. 	Project Budget: \$46,000.00 Indirect Costs: \$4,000.00
<ul style="list-style-type: none"> • <i>Working with Community Partners to Bring Local Food to Everyone</i> Partner with Local Food for Everyone to promote and secure sales for local specialty crops producers by creating a promotional campaign targeting low income communities and a program to connect local specialty crop producers with local schools and other consumers. 	Project Budget: \$43,950.66 Indirect Costs: \$3,516.00

Louisiana Department of Agriculture and Forestry

Amount Awarded:	\$437,456.11	Number of Projects:	7
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<ul style="list-style-type: none"> • <i>Train Growers in Market Ready & Food Safety Modernization Act</i> Partner with the Louisiana State University Agricultural Center to enable Louisiana specialty crop producers to increase sales and better market products by training growers them about Good Agricultural Practices (GAP) and Good Handling Practices (GHP) as well as how to use these good business practices to market their products through the Market Ready program. 	Project Budget: \$33,682.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Nutrition Characterization to Enhance Marketing of Sweet Potatoes</i> Partner with the Louisiana State University Agricultural Center to increase the marketability of Louisiana sweet potatoes by studying the nutritional content of new sweet potato cultivars and providing this information to sweet potato producers for product labeling. 	Project Budget: \$34,200.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancing Growers Food Safety Awareness & Market Opportunities through GHP/GAP</i> Partner with the Louisiana State University Agricultural Center to increase marketability and sales of Louisiana specialty crops by providing specialty crop producers with training on using Good Agricultural Practices (GAP) and Good Handling Practices (GHP) with workshops which will give producers both the knowledge of these programs as well as the tools to implement them. 	Project Budget: \$112,385.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>LA Harvest of the Month State-Wide Program for Fruits and Vegetables</i> Partner with the Louisiana State University Agricultural Center to promote the purchase of Louisiana specialty crops and improve youth nutrition by creating and promoting the Harvest of the Month program which will market the consumption of Louisiana specialty crops in schools and other institutions. 	Project Budget: \$76,670.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Establishment of an Olive Orchard for Demonstration and Variety Observations</i> Partner with the Louisiana State University Agricultural Center to promote the production and sales of Louisiana olives by creating a demonstration olive orchard to study the varieties that will best grow in Louisiana and how best to nurture and raise them, followed by disseminating and promoting production with this knowledge. 	Project Budget: \$80,656.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancement of Professionalism & Marketing Programs for LA Nursery and Landscape Industry</i> Partner with the Louisiana Nursery and Landscape Association to increase the sale of specialty crops by providing nurseries with information that will increase their knowledge levels and help them adopt good agricultural practices. 	Project Budget: \$63,648.62 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$34,890.57 Indirect Costs: \$0.00

Maine Department of Agriculture, Conservation, and Forestry

Amount Awarded:	\$602,678.57	Number of Projects:	11
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<ul style="list-style-type: none"> • <i>Supporting Maine Specialty Crop Producers with Food Safety Audit Preparation</i> Partner with AgMatters LLC to educate specialty crop growers about changes to produce safety rules as a result of the Food Safety Modernization Act and help them to successfully complete their specific Food Safety audit by providing technical assistance and food safety training for specialty crop producers. 	Project Budget: \$27,256.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increasing the Nutrition Knowledge and Consumption of Specialty Crops by Maine Children and Adults</i> Partner with the Maine Agriculture in the Classroom Council to increase consumption of specialty crops in the school cafeterias and purchases from local farmers' markets, farm stands and grocery stores by providing ready to use classroom lessons for teachers, hands-on experiential learning in the garden, and direct links to Maine's specialty crop producers. 	Project Budget: \$29,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancing Consumer and Producer Awareness of Maine Maple Syrup</i> Partner with the Maine Maple Producers Association to develop a downloadable Hazard Analysis and Critical Control Points (HACCP) plan for maple producers; develop high quality promotional materials and customized displays for maple education and promotion through: improving the Maine Maple Producers website, integrating downloadable HACCP plan and conducting food safety workshops for Maine maple producers. 	Project Budget: \$32,110.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Improving Maine Potato Yields through Increased Rotation Lengths and Improved Rotation Crop Profitability</i> Partner with the Maine Potato Board to enable potato growers to expand current rotation lengths while directly and indirectly improving potato yields by identifying potential crops that could be grown in conjunction with potatoes that would allow producers improved economic returns. 	Project Budget: \$125,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maine Potato Integrated Pest Management</i> Partner with the Maine Potato Board, in collaboration with the University of Maine, to ensure an adequate response to the pest-related hazards confronting potato growers by providing support for growers through field monitoring, disease forecasting, and distribution of educational materials associated with integrated pest management (IPM). 	Project Budget: \$125,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancing the Competitiveness of New England Specialty Crops through Regional Collaboration</i> Partner with the Connecticut Department of Agriculture and Harvest New England Association, Inc. to break down the barriers to regional specialty crop purchases by educating producers at the Harvest New England Agricultural Marketing Conference and Trade Show, educating consumers at Harvest New England Days, and connecting wholesale buyers with wholesale specialty crop producers through five matchmaking meetings. 	Project Budget: \$6,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Honeybee Exposure To Pesticides In Maine – The Question About Neonicotinoids</i> Partner with the University of Maine to increase the amount of information on the effects of neonicotinoid insecticides and other pesticides on honeybees by developing a database of honeybee exposure, based upon pollen trapping, for six landscapes throughout Maine. 	Project Budget: \$27,154.53 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Increasing The Food Safety Margin Of Wild Blueberries Through Improved Intervention Measures</i> Partner with the Wild Blueberry Commission of Maine, in collaboration with the University of Maine, to reduce microbial loading on frozen processed wild blueberries by developing effective intervention technologies using chemical washing (chlorine, chlorine dioxide, lactic acid, and ozone). 	Project Budget: \$56,875.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Improving Integrated Pest Management Practices for Maine Wild Blueberry Growers</i> Partner with the Maine Wild Blueberry Commission, in collaboration with the University of Maine, to decrease crop losses and increase revenues for wild blueberry growers by enhancing the integrated pest management (IPM) program for control of mummy berry and Botrytis blight through expansion of weather stations that provide forecasts on infection risk; developing a biological model of Monilinia vaccinii-corymbosi, the fungus which causes mummy berry disease; and investigating additional control materials to build fungicide resistance management into the mummy berry IPM system. 	Project Budget: \$116,268.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Building a Hops Industry in Maine</i> Partner with the University of Maine to develop a successful hops industry by determining the best hops varieties for Maine and educating interested growers in sustainable hops production through workshops, fact sheets and videos posted online. 	Project Budget: \$11,210.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$44,469.88 Indirect Costs: \$0.00

Maryland Department of Agriculture

Amount Awarded:	\$504,518.56	Number of Projects:	7
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<ul style="list-style-type: none"> • <i>Expanding Peer-to-Peer Education to Improve Growing, Marketing, and Consumption of Maryland Specialty Crops</i> Partner with Future Harvest Chesapeake Alliance for Sustainable Agriculture (CASA) to increase specialty crop producer awareness of land and water resources by conducting an educational programming track on fruit and vegetable production at an annual conference and offering workshops, tours, field days, and trainings. 	Project Budget: \$47,975.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Local Lettuce: Heat Tolerant Romaine Cultivars and Vermicompost Soil Amendment to Increase Sustainability in the Mid-Atlantic</i> Partner with the University of Maryland to increase the competitiveness of lettuce production in the Mid-Atlantic region by identifying heat-tolerant cultivars that could be used to extend the Mid-Atlantic growth season, by evaluating the performance of two vermicomposts that increase the yield and quality of lettuce crops, and by determining the food safety risks associated with using vermicomposts as soil amendments. 	Project Budget: \$16,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maryland Farm to School Jr. Chef</i> Stimulate interest in local specialty crop preparation, increase the quality of products available to school cafeterias, and provide Maryland youth the opportunity to make healthy choices and increase consumption of local fresh fruits and vegetables in their diets through the facilitation of a youth fruit and vegetable cooking challenge and other school promotional programs. 	Project Budget: \$46,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maryland's Best: Promoting Maryland's Specialty Crops</i> Collaborate with the Maryland Cut Flower Growers Association, Maryland Wineries Association, farmers' market masters, Mar-Del Watermelon Association, Maryland nursery producers, Apple Promotion Board of Maryland, and Christmas tree growers to strengthen consumer awareness of local specialty crops in Maryland and connect specialty crop farmers with markets by promoting Maryland specialty crops through mass media, direct partnership with Maryland specialty crops, and other strategic promotional avenues. 	Project Budget: \$187,704.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maryland's Best Peach Nutrition & Promotion Campaign</i> Partner with the Maryland State Horticultural Association to increase consumer awareness of local and regionally produced peaches and their nutrient and dietary value by developing promotional materials, newsletters, and media pieces that feature Maryland's Best. 	Project Budget: \$18,000.00 Indirect Costs: \$0.00

- Reducing the Barriers Facing Maryland Fresh Fruits and Vegetables Producers in Implementing an Effective Food Safety Program (GAPS)*** **Project Budget:** \$131,883.00
Indirect Costs: \$0.00

Continue to mitigate specialty crop food safety risks by reducing barriers to implementing Good Agricultural Practices (GAP) programs through specialty crop producer technical assistance, training programs, one-on-one assistance on developing GAP programs, and U.S. Department of Agriculture GAP and USDA Harmonized GAP audit certification cost share assistance.
- Administration*** **Project Budget:** \$15,000.00
Indirect Costs: \$40,223.48

Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.

Massachusetts Department of Agricultural Resources

Amount Awarded: \$458,167.17 **Number of Projects:** 14

- Development of a Nutrient Management Planning Tool for Massachusetts Cranberries*** **Project Budget:** \$56,100.00
Indirect Costs: \$0.00

Partner with the Cape Cod Cranberry Growers' Association to improve cranberry grower nutrient management decision making by upgrading the BOGS Online Growers System to allow growers to come into and stay in regulatory compliance.
- Increasing Specialty Crop Nutrition Knowledge and Consumption through Press and Buyer Outreach*** **Project Budget:** \$27,690.00
Indirect Costs: \$0.00

Partner with the Community Involved in Sustaining Agriculture, Inc. (CISA) to increase consumer knowledge and consumption of specialty crops by organizing four press/buyer events to showcase the diversity and attributes of local specialty crops.
- Enhancing the Competitiveness of New England Specialty Crops through Regional Collaboration*** **Project Budget:** \$6,000.00
Indirect Costs: \$0.00

Partner with the Connecticut Departments of Agriculture and Harvest New England Association, Inc. to break down the barriers to regional specialty crop purchases by educating producers at the Harvest New England Agricultural Marketing Conference and Trade Show, educating consumers at Harvest New England Days, and connecting wholesale buyers with wholesale specialty crop producers through five matchmaking meetings.
- Outreach Regarding the Conflicts between Conservation Practices and Food Safety Regulations*** **Project Budget:** \$10,165.92
Indirect Costs: \$0.00

Partner with the Massachusetts Association of Conservation Districts to reduce conflicts and accommodate Food Safety Modernization Act (FSMA) rules by providing education and outreach to row crop specialty crop producers.
- Commonwealth Quality Program (CQP) Technical Support Consultant (TSC)*** **Project Budget:** \$75,000.00
Indirect Costs: \$0.00

Improve maintenance and increase of specialty crop acreage in Massachusetts as well as the inclusion of best management practices at small to mid-sized farms by training Technical Support Consultants (TSCs) who will offer on-site technical assistance, practice consultation, and conduct preliminary audits.
- GAP/GHP and Harmonized GAPs Cost Share Initiative for Massachusetts Specialty Crop Growers*** **Project Budget:** \$40,025.00
Indirect Costs: \$0.00

Partner with the University of Massachusetts Extension Food Safety Education Program to increase the number of specialty crop growers with Good Agricultural Practices and Good Handling Practices (GAP/GHP) certification and improve the knowledge of those who have already received certification by collecting and analyzing baseline data, and performing outreach to interested growers and currently certified growers.
- MassGrown & Fresher Promotes Specialty Crops - Phase II*** **Project Budget:** \$12,100.00
Indirect Costs: \$0.00

Increase knowledge and awareness of specialty crops in a new market of professionals by presenting information on specialty crops at conferences and consumer shows in the next year and increasing the number of professionals who are registered with the MassGrown website.
- Development and Implementation of Statewide Green Industry Promotional Events in Massachusetts*** **Project Budget:** \$40,010.00
Indirect Costs: \$0.00

Partner with the Massachusetts Nursery & Landscape Association and the Massachusetts Flower Growers Association to increase the sales of nursery, floriculture and horticulture crops by developing and implementing seasonally based, statewide, open house "Plant Something" Massachusetts events.

<ul style="list-style-type: none"> • <i>Organic Specialty Crops Cost of Production: Assessment & Education</i> Partner with the Northeast Organic Farming Association (NOFA) in Massachusetts, New Hampshire, and Vermont to increase the efficiency of production and profitability of specialty crops in Massachusetts, New Hampshire and Vermont by providing technical support for organic specialty crop farmers to complete crop-specific enterprise analyses; creating resources that will inform current and beginning farmers in their own business and management plans; and hosting workshops and field days for specialty crop producers. 	<p>Project Budget: \$42,460.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>The Holyoke Kindergarten Initiative: Specialty Crop Promotion in the Classroom</i> Partner with Nuestra Raices to teach kindergarteners the fundamentals of a healthy diet rich in fresh produce, learn to enjoy specialty crops that are popular and important to their culture, and bring these lessons home to their parents and caregivers by implementing in-classroom events, other school events, and field trips to local specialty crop farms. 	<p>Project Budget: \$31,400.00 Indirect Costs: \$1,570.00</p>
<ul style="list-style-type: none"> • <i>Specialty Crop Trade Show: An Effective Model for Increasing the Sale and Purchase of Local Specialty Crops</i> Partner with the Sustainable Business Network (SBN) of Massachusetts to increase business opportunities and connections amongst the specialty crop community and local business owners by growing and enhancing the Specialty Crop Trade Show as the annual go-to Trade Show for local specialty crops in Massachusetts and New England. 	<p>Project Budget: \$14,991.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Building Capacity of Immigrant and Refugee Farmers to Produce Ethnic Specialty Crops</i> Partner with World Farmers, Inc. to build the capacity of immigrant and refugee farmers to grow and market their ethnic specialty crops in Massachusetts while also expanding the market for lulu, spider plant, and taro by providing hands-on food safety handling practices necessary to successfully market this produce and by establishing post-harvest handling practices. 	<p>Project Budget: \$41,404.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Massachusetts Environmental Horticulture, Floriculture and Nursery Education, Certification, Marketing and Outreach</i> Partner with the Massachusetts Nursery & Landscape Association to improve knowledge of horticultural industry growers and consumer knowledge by updating the resource guide to include the newest Massachusetts regulations relative to nutrient management, water management and current pest problems. 	<p>Project Budget: \$21,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$11,517.07 Indirect Costs: \$0.00</p>

Michigan Department of Agriculture and Rural Development

Amount Awarded:	\$1,992,661.51	Number of Projects:	30
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<ul style="list-style-type: none"> • <i>Development of Irrigation and Chemigation Practices in Michigan Asparagus</i> Partner with the Michigan Vegetable Council in collaboration with Michigan State University to increase yields, plant health, and to suppress insect pests of asparagus by building a long-term, economically and ecologically sustainable asparagus management strategy in the face of changing weather patterns and ongoing insect pest challenges. 	<p>Project Budget: \$73,729.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing Consumer Interest in Michigan-Grown Christmas Trees Utilizing a Social Media Campaign</i> Partner with the Michigan Christmas Tree Association to increase consumer interest in farm-grown Christmas trees by using social media to reach out to consumers encouraging them to purchase a Michigan-grown Christmas tree through providing visuals and written content that demonstrate the positive aspects of celebrating the holiday with a real Christmas tree. 	<p>Project Budget: \$34,084.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Will Cover Crops and Conservation Tillage Increase Yield and Reduce Drip Irrigation When Growing Winter Squash?</i> Partner with the Michigan State University – Extension to develop recommendations for cost-effective and sustainable growing methods to produce high yields of high-quality winter squash grown using methods to minimize irrigation by testing no-till growing and harvesting systems for winter squash using control and experimental variables (till/no-till, cover crop, irrigation, and black plastic growing methods). 	<p>Project Budget: \$23,488.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Assessment and Optimization of Pre-Harvest Strategies Suitable for Direct-Cut Dry Beans within the State of Michigan</i> Partner with the Michigan Bean Commission in collaboration with Michigan State University to improve dry edible bean yields by educating Michigan direct cut dry bean producers on preferred pre-harvest management strategies, identifying and publicizing preferred cultivars and teaching growers about pre-harvest “dry down” treatments. 	<p>Project Budget: \$74,994.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Michigan Sustainable Wine Grape Program Feasibility Study (MSWP)</i> Partner with the Michigan Grape and Wine Industry Council to increase the Michigan wine industry’s competitiveness as a recognized sustainable wine producing region by providing it with a detailed guide for the design, development, and implementation of a sustainability program for Michigan wineries and vineyards. 	<p>Project Budget: \$75,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Improving Harvest Efficiency, Worker Safety, and Food Security through the Creation of a Bilingual Training Video</i> Partner with the Michigan Farm Bureau in Lansing, Michigan to increase asparagus farmer and laborer productivity and understanding of safety and food security by creating a video to train new and existing workers on the proper techniques of snap harvesting asparagus for each of our three market outlets; familiarize new and existing workers with OSHA, HACCP, and Good Agricultural Practices (GAP) rules and regulations as they relate to asparagus harvest; and distribute videos in both English and Spanish to MI asparagus farmers. 	<p>Project Budget: \$11,720.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Advancing Disease Control Strategies for Michigan’s Processing Carrot Industry to Reduce Reliance on Fungicides Advancing Disease Control Strategies f</i> Partner with Michigan State University to increase the number of carrot growers using new disease management strategies to eliminate fungicide residues on the harvested root by testing alternatives for currently and newly-registered fungicides with emphasis on “soft” pesticides; testing the Tom-Cast forecasting system to time fungicide sprays using a wide range of active ingredients, and identifying processing carrot cultivars suitable for Michigan that are resistant to plant diseases. 	<p>Project Budget: \$67,176.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Enhancing the Competitiveness of Michigan’s Maple Syrup Industry through Education, Outreach and Strategic Market Development</i> Partner with the Commercial Maple Syrup Producers of Michigan to increase the competitiveness of Michigan’s maple syrup industry on a national and international level and increase Michigan’s market share due to the expanse of the untapped resources available by performing outreach, education, and market development activities. 	<p>Project Budget: \$49,016.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Soil Supplements to Hasten Blueberry Plant Establishment and Productivity</i> Partner with Michigan State University to develop methods of hastening early growth of new blueberry fields by establishing field trials to determine whether Biochar (activated charcoal) or humic acid can hasten early growth of new plants. 	<p>Project Budget: \$20,994.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Partnering with Grower-Cooperators to Establish Trials to Determine the Profitability of Tart Cherry Production Using High-Density Orchard Designs</i> Partner with Michigan State University to encourage Michigan growers to transition from traditional low-density orchard systems to high-density tart cherry plantings that will optimize fruit quality, improve production efficiency, maximize land use, and increase farm profitability by investigating a new management system that will bring new plantings into production sooner, which will enable growers to see a quicker return on investment. 	<p>Project Budget: \$57,196.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Run Red, Ride Red: Engaging Fitness Communities in Tart Cherries’ Recovery Science</i> Partner with the Cherry Marketing Institute increase demand for tart cherries among fitness enthusiasts by conducting an online and print media campaign through fitness-focused publications. 	<p>Project Budget: \$75,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Engaging Fresh Apple Consumers through Social Media and In-Store Activities</i> Partner with the Michigan Apple Committee to improve the competitiveness of fresh Michigan apples by using social media and in-store activities to develop consumer markets focusing on three strategic marketing priorities: leveraging the “locally-grown” movement; focusing consumer promotions on premium varieties; and promoting apples for health and nutrition benefits. 	<p>Project Budget: \$75,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Trade Advertising for Promoting Michigan Apples</i> Partner with the Michigan Apple Committee to increase demand for Michigan apples by implementing an advertising campaign in trade publications in order to reach retailers and other partners with information about the Michigan apple industry. 	<p>Project Budget: \$35,000.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Enhancing the Competitiveness of Niagara Grapes, Expanding Processing and Export Opportunities for Michigan Growers</i> <p>Partner with the National Grape Cooperative Association, Inc. to produce a higher quality Niagara juice/concentrate than is currently being produced in Michigan by investigating two alternative methods to commercially prepare juices and concentrates: screw press that involves the use of paper and an extra heating process to extract remaining juice, and an alternate, more modern decanting process that utilizes centrifugation for juice extraction.</p>	<p>Project Budget: \$75,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Building a Competitive Pathway for Underserved Michigan Specialty Crop Farmers</i> <p>Partner with the Michigan Food and Farming Systems to reduce on-farm risks associated with water quality, environmental compliance, and food safety by connecting Spanish-speaking, U.S. citizen specialty crop farmers with existing resources through one-on-one technical assistance.</p>	<p>Project Budget: \$69,417.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Producing Nursery and Greenhouse Plants in Michigan that are Safe for Pollinators</i> <p>Partner with the Michigan Floriculture Growers Council to increase consumer awareness that flowers, trees, and shrubs purchased in garden center are the best ways to protect pollinators in their yard and garden by conducting an informational campaign that includes best management practices, frequently asked questions, webinars, and other outreach activities.</p>	<p>Project Budget: \$66,317.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Improved Marketing of Michigan Maple Syrup</i> <p>Partner with the Michigan Maple Syrup Association to increase public awareness and sales of maple syrup made in Michigan by implementing a media campaign that utilizes outdoor and print advertising materials and promotional events.</p>	<p>Project Budget: \$75,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Michigan Potato Impetus and Education</i> <p>Partner with the Michigan Potato Industry Commission to increase potato sales during winter months at participating Spartan Stores by educating the consumer through hosting a potato recipe competition.</p>	<p>Project Budget: \$56,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Specialty Crop Education in Hops, Soil Fertility for Fruit and Vegetable Crops, and Agroforestry Systems at the 2015 Northern Michigan Small Farm Conf</i> <p>Partner with the Institute for Sustainable Living, Art & Natural Design (ISLAND) to educate farmers about hops production, agroforestry and soil fertility by hosting conferences to increase awareness.</p>	<p>Project Budget: \$27,527.64</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Strategic Modernization of the Enviro-Weather IPM Information System for Fruit Production in Michigan</i> <p>Partner with the Cherry Marketing Institute to provide vital and reliable weather information to Michigan fruit producers by replacing and modernizing existing weather station hardware at 16 heavily-used but aging station sites within Enviro-weather's observing network.</p>	<p>Project Budget: \$79,088.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>A Study of Water Repurpose and/or Water Use Reduction at Michigan Fruit and Vegetable Food Processors</i> <p>Partner with the Lakeshore Environmental, Inc. and Peterson Farms to reduce the amount of freshwater used by fruit and vegetable processors and develop water repurposing information for stakeholders by conducting research and collecting data and conducting treatment technology testing.</p>	<p>Project Budget: \$80,448.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Survey to Develop Data on Labor-Shortage Responses by Michigan Vegetable Growers for Use as Planning Tools for Future Industry Competitiveness</i> <p>Partner with the Michigan Vegetable Council to provide labor data to Michigan vegetable growers from the U.S. Department of Agriculture's National Agricultural Statistics Service survey through developing a questionnaire, sample lists and meeting with industry partners/growers.</p>	<p>Project Budget: \$57,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Michigan Nursery & Floriculture Product Mix, Sales, Energy, and Labor Survey</i> <p>Partner with the Michigan Nursery & Landscape Association to improve the competitiveness of Michigan's nursery and floriculture industry by conducting a survey of nursery and floriculture growers.</p>	<p>Project Budget: \$75,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Fruit Inventory Survey</i> <p>Partner with the Michigan Farm Bureau to facilitate long term planning for the Michigan fruit industry by developing and distributing data from a 2014 Fruit Inventory Survey.</p>	<p>Project Budget: \$145,000.00</p> <p>Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>International and Domestic Marketing Activities to increase sales for Specialty Crops</i> <p>Partner with the Michigan Apple Committee, the Michigan Bean Commission and Cherry Marketing Institute to increase the sales and demand for Michigan specialty crops products in the export market by actively participating in foreign and domestic trade shows.</p>	<p>Project Budget: \$99,741.00</p> <p>Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Food Safety Needs Assessment for Michigan Specialty Crop Farmers</i> Partner with Michigan Food and Farming Systems to increase understanding of the diverse food safety needs of Michigan specialty crop growers in various regions by performing a food safety needs assessment for Michigan specialty crop farmers, which focuses on the Food Safety Modernization Act (FSMA). 	Project Budget: \$90,600.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Specialty Crop Field Sanitation Septage Hauling and Food Safety</i> Increase specialty crop producer understanding of compliance with laws rules governing septage hauling under NREPA Part 117, MIOSHA Field Sanitation rules under Part 500, and worker protection and food safety standards leading to enhanced market access by holding five training events with specialty crop producers and regulatory agencies in review and evaluation of potential risk reduction practices, including a PowerPoint presentation, poster board, and display panel each designed to train specialty crop producers on recommended practices and how to implement them, cumulatively reaching 100 specialty crop producers. 	Project Budget: \$117,068.72 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$79,565.16 Indirect Costs: \$21,568.79
<ul style="list-style-type: none"> • <i>Providing Place-Sensitive marketing and Other Services to Mid-Michigan Specialty Crop Growers to Increase Visibility, Capacity and Competitiveness</i> Partner with Allen Neighborhood Center to increase the visibility of regionally grown specialty crops, particularly those produced by small and medium-sized growers, to consumers and institutional procurers by a general marketing campaign and the development of farm-specific materials. 	Project Budget: \$75,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increase Awareness and Expand Understanding of Factors That Influence Post-Harvest Tuber Quality in Potato</i> Partner with the Michigan Potato Industry Commission to reduce post-harvest losses of stored potatoes by conducting a laboratory analysis on four potato varieties to determine their susceptibility to and recovery capability from potentially damaging stress factors. 	Project Budget: \$20,079.00 Indirect Costs: \$0.00

Minnesota Department of Agriculture

Amount Awarded:	\$1,396,923.43	Number of Projects:	16
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<ul style="list-style-type: none"> • <i>Producing Strawberries throughout the Growing Season with a Small Environmental Footprint</i> Partner with the University of Minnesota to enhance economic and environmental sustainability of strawberry production by investigating innovative production systems that couple new strawberry cultivars with innovative organic production methods and educating specialty crop growers on using these systems to extend the season until October. 	Project Budget: \$83,663.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Survival, biology, and management of leaf mold on high tunnel tomatoes grown in Minnesota</i> Partner with the University of Minnesota to create research-based management recommendations for leaf mold of high tunnel tomatoes by conducting research to characterize the biology and life cycle of the leaf mold pathogen, <i>Passalora fulva</i>, identify potential sources of the pathogen, and determine the ability of the pathogen to overwinter in Minnesota high tunnels. 	Project Budget: \$99,123.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Expanding Knowledge of Vineyard Best Management Practices</i> Partner with the Minnesota Grape Growers Association to provide growers of cold hardy grapes information, techniques and best viticultural practices and methods of growing highest quality, cold hardy grapes for maximum economic gain and personal satisfaction by developing a publication and accompanying videos. 	Project Budget: \$48,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Diseases of hops in Minnesota</i> Partner with the University of Minnesota to reduce losses from downey mildew and sustain a viable hop industry by characterizing diseases of hops in Minnesota, evaluating management options for hop downy mildew control, and educating hop growers about viral and fungal diseases of hops and their management. 	Project Budget: \$99,947.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>The Good, the Bad, and the Ugly: Cosmetically Imperfect Produce Seconds</i> Partner with Third Sector New England to research and test the market for cosmetically imperfect fruit and vegetables “seconds” grown by small and mid-size farmers in Minnesota through in-depth research with Minnesota fruit and vegetable growers and fresh-cut processors as well as market testing with area colleges and universities. 	<p>Project Budget: \$96,268.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Remote Sensing of Potato Virus Y</i> Partner with the University of Minnesota to develop an in-field method of using spectral reflectance and chlorophyll content to determine potential infection of seed potato plants by Potato Virus Y (PVY), a viral disease of potatoes which, if present, precludes certification of seed potatoes, negatively impacting their commercial value. 	<p>Project Budget: \$100,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Retail Produce Handling Education for Rural Grocers and Specialty Crop Farmers</i> Partner with the University of Minnesota Horticultural and local food researchers to encourage rural grocers to purchase locally grown specialty crops by developing a how-to guide for specialty crop farmers to sell their produce to rural grocers, developing a produce handling toolkit and deliver on-site training for rural grocers, and developing a local food buying guide. 	<p>Project Budget: \$70,986.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Intensive Production & Management Training for Beginning Specialty Crop Farmers</i> Partner with the Minnesota Fruit & Vegetable Growers Association to strengthen the specialty crop industry and local foods movement by providing comprehensive, individualized production and management instruction for beginning fruit and vegetable growers. 	<p>Project Budget: \$79,200.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Accelerating Integrated Pest Management Research & Extension to Fruit Producers: the Invasive Spotted Wing Drosophila</i> Improve the competitiveness and sustainability of Minnesota fruit producers by determining the best Integrated Pest Management (IPM) practices for the economically damaging and invasive pest, the Spotted Winged Drosophila (SWD). 	<p>Project Budget: \$100,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Accelerating Success for Specialty Crop Producers</i> Partner with Reviewing the Countryside to help specialty crop producers grow their businesses in a manner that leads to expanded specialty crop sales and increased profitability and sustainability by providing them with customized assistance. 	<p>Project Budget: \$94,970.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing the Stability and Resiliency of Minnesota Fresh Fruit and Vegetable Sales through Sales Agreement Education</i> Partner with Farm Commons to increase stability and profitability of purchasing relationships by helping specialty crop farmers understand techniques for negotiating and drafting sales agreements that help all parties achieve their goals and comply with emerging regulations under the Food Safety Modernization Act. 	<p>Project Budget: \$43,137.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Managing Blemish Problems to Improve Marketing of Fresh Potatoes</i> Partner with North Dakota State University to reduce lost profits and wasted food through the identification of blemish problems commonly found in tuber potatoes and develop agronomic practices. 	<p>Project Budget: \$90,035.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Potato Production Sustainability in Midwest: Validation of Biochemical Markers to Predict Sugar End Development under Field Conditions</i> Partner with the University of Minnesota to promote potato production sustainability in the Midwest through validating biochemical markers to predict sugar end development under field condition for better storage management. 	<p>Project Budget: \$99,822.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Assessing Financial Metrics of Regional Specialty Crop-based Food Hubs</i> Partner with Cooperative Development Services to increase specialty crop farmer knowledge of financial metrics pertinent to various food hub models by obtaining regional specialty crop-based food hub metrics, assessing the desires of Minnesota-based specialty crop participants, developing proforma templates for several types and scales of businesses, and disseminating the findings to specialty crop producers via web access and group seminars. 	<p>Project Budget: \$37,178.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Statewide Marketing of Minnesota Grown Specialty Crops</i> Increase sales of Minnesota specialty crops by creating innovative new promotional materials for wineries and vegetable growers, by creating new ads promoting apples, Christmas trees and berries, and by providing detailed information regarding apples, Christmas trees, pumpkins, berries and wineries in 170,000 copies of the Minnesota Grown Directory. 	<p>Project Budget: \$99,500.00 Indirect Costs: \$0.00</p>

• Administration	Project Budget:	\$125,211.35
Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.	Indirect Costs:	\$22,684.66

Mississippi Department of Agriculture and Commerce

Amount Awarded:	\$481,130.08	Number of Projects:	18
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• Promoting Specialty Fruit Crops by Grafting Workshop Training	Project Budget:	\$9,032.00
Partner with Mississippi State University to improve fruit production and sales by conducting heritage fruit tree grafting workshops and to promote the propagation and use of heritage fruit for homeowners.	Indirect Costs:	\$0.00
• MS Fruit & Vegetable Growers Association Conference	Project Budget:	\$7,500.00
Partner with Mississippi Fruit and Vegetable Growers Association to enhance the growers' conference to better educate new and existing farmers on how to grow specialty crops, sharing with participants the latest techniques and relevant information to growing specialty crops in Mississippi.	Indirect Costs:	\$0.00
• Public Relations Campaign to Promote Buying Local Specialty Crops	Project Budget:	\$73,871.00
Partner with Farm Families of Mississippi (Mississippi Farm Bureau) to increase specialty crops sales by implementing a promotional campaign that educates the public about the benefits of buying and consuming locally grown and produced specialty crops.	Indirect Costs:	\$0.00
• MS Farmers Market Certification Program	Project Budget:	\$11,330.00
Continue the Mississippi Certified Farmers Market Program to identify and promote local farmer's markets in order to increase the sale of Mississippi grown fruits, vegetables, and plant materials processed in Mississippi.	Indirect Costs:	\$0.00
• Developing a MS-specific modern strawberry production system	Project Budget:	\$29,326.00
Partner with Mississippi State University to increase production of Mississippi grown strawberries by sharing the knowledge gained through field cultivar and timing trials and the hosting of a strawberry production field day.	Indirect Costs:	\$0.00
• Mississippi Sweet Potato Promotion/Marketing Campaign	Project Budget:	\$14,526.00
Partner with Mississippi State University to create awareness of Mississippi-grown sweet potatoes in order to facilitate an increase in demand and sales by attending the Produce Marketing Association Fresh Summit Trade Show.	Indirect Costs:	\$0.00
• Assistance for GAP/GHP	Project Budget:	\$65,000.00
Create a Good Agricultural Practices and Good Handling Practices (GAP/GHP) cost share program to assist specialty crop producers receive certification as well as develop an educational video for producers to gain knowledge on what's involved with an audit.	Indirect Costs:	\$0.00
• A Field-Level Survey of the Presence of Pathogenic Bacteria in Sweet Potato Fields Amended with Poultry Litter	Project Budget:	\$33,998.00
Partner with Mississippi State University to help avoid contamination when utilizing poultry litter on sweet potato fields by investigating the presence of pathogenic bacteria pre and post production to establish best practices.	Indirect Costs:	\$0.00
• Specialty Crops Education for MS's Greenhouse Vegetable Producers	Project Budget:	\$29,000.00
Partner with Mississippi State University to educate growers on how to begin growing specialty crops, develop successful farm businesses crop's best suited greenhouse agriculture, and train county agents on greenhouse crop production.	Indirect Costs:	\$0.00
• Elevating Bunch & Muscadine Grape Education in MS and the Gulf Coast Region	Project Budget:	\$10,000.00
Partner with Mississippi State University to increase the production and sale of local grapes by conducting grower workshops on of bunch grape production best practices.	Indirect Costs:	\$0.00
• Consumer Demand for Frozen & Value-added MS Grown Blueberry Food Products	Project Budget:	\$28,300.00
Partner with Mississippi State University to increase the sale of locally produces blueberries by performing research on the demand for alternative blueberry products as well as develop marketing strategies in order to maximize the sale of the blueberry products most in demand.	Indirect Costs:	\$0.00

<ul style="list-style-type: none"> • <i>Containerized Organic Blueberry Production in High Tunnels</i> Partner with Mississippi State University to increase the production of local blueberries by conducting research into potential for using high tunnel systems to grow organic. 	Project Budget: \$37,192.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Detection of Pre-Storage & Packing Identifications of Fungi Infected Tip/End Rot Sweet Potato roots using Portable Volatile Organic Compounds Detectio</i> Partner with Mississippi State University to investigate the presence of Macrophomina phaseolina pathogens in sweet potatoes and then disseminate this information out to Mississippi sweat potatoe producers 	Project Budget: \$26,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Creating a Marketing Campaign for the 'Deer Proof' Plant Program in MS</i> Partner with Mississippi State University and Mississippi Nursery and Landscaped Association to increase sales through the Mississippi Medallion “Deer Proof” Plant program by identifying “deer resistant” plants and by educating retinal garden centers and nurseries on their usage. 	Project Budget: \$32,100.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Testing Plastic Mulches for Sweet Potato Seed Bed Performance</i> Partner with Mississippi State University to increase sweet potato production by establishing which plastic mulch system has the most effective Photosynthetically Active Radiation (RAP) penetration to eliminate weed growth in sweet potato beds. 	Project Budget: \$19,388.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Interplanting Specialty Crops Using a Greenhouse & High Tunnel</i> Partner with the Piney Woods School to educate student on the benefits and production practices of inter-planting specialty crops using a greenhouse and high tunnel systems. 	Project Budget: \$4,114.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Training MS Farmers & Ag Professionals through Annual Food Safety Conferences for Specialty Crop Production</i> Partner with the Mississippi Association of Cooperatives and Alcorn State University to host a Specialty Crop Food Safety Conferences to educate specialty crop producers, students and consumers on the rules of the U.S. Food and Drug Administration (FDA) Food Safety Modernization Act. 	Project Budget: \$10,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$38,363.04

Missouri Department of Agriculture

Amount Awarded:	\$459,255.77	Number of Projects:	15
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<ul style="list-style-type: none"> • <i>Winter Specialty Crop Production Project</i> Partner with the Webb City Farmers Market to address the need for fresh and processed fruits and vegetables for winter farmers’ markets in southwest Missouri by offering specialty crop producers 2-day conferences and a 2-day Better Processing School. 	Project Budget: \$30,069.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Descriptive Sensory Analysis and Chemistry of Elderberry Juice</i> Partner with the University of Missouri to increase awareness of elderberry juice characteristics and flavor attributes using sensory analysis of six different cultivars by providing new information to elderberry producers, Extension personnel, and researchers. 	Project Budget: \$18,192.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Genetic Study of Rooting Ability in Vitis aestivalis-derived “Norton” Grape</i> Partner with Missouri State University to increase knowledge of the genetic determinates of the complex agronomical trait (rooting ability) and any factor that promotes or constrains rooting ability; and to develop guidelines that allow the incorporation of rooting ability as a selection criterion in strategic or operational breeding plans by studying the vegetative propagation capacity of the Vitis aestivalis-derived “Norton” grape and by conducting genetic mapping of V. aestivalis grapes bred with V. vinifera populations. 	Project Budget: \$29,988.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increase Beekeeping and Honey Production in Missouri</i> Partner with the Missouri Vegetable Growers Association to maximize the availability of honey bee colonies for commercial vegetable production by conducting beginning and advanced beekeeping workshops throughout the state. 	Project Budget: \$32,276.84 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Home and Community Gardening Kansas City</i> Partner with Kansas City Community Gardens, Inc. to assist low-income families and community groups grow fresh fruits, vegetables, and culinary herbs in order to improve community access to healthy foods by (1) increasing child and adult nutrition knowledge and consumption of specialty crops; (2) improving food access in underserved communities; and (3) promoting organic and sustainable production practices. 	<p>Project Budget: \$27,100.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluating Production and Value-Added Potential of Wild Leek and Other Native Greens</i> Partner with Lincoln University to increase awareness of wild leeks and other native edible plants and their uses, protect natural populations, develop value-added products, examine nutrient content, and promote production and consumption by educating, conducting outreach, and establishing demonstration plots at Lincoln University campus and small farms in Central Missouri and the Bootheel region. 	<p>Project Budget: \$28,065.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluating Plant Volatile Organic Compounds in Spotted Wing Drosophila Traps</i> Partner with Lincoln University to enhance the production of many specialty crops (specifically small fruit crops) by improving the current monitoring systems for Spotted Wing Drosophila (SWD). 	<p>Project Budget: \$33,102.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluation of Seven Grape Varieties for Selecting New Wine Grapes</i> Partner with Missouri State University to improve varietal grapes that are capable of producing quality wines by evaluating seven new grape varieties for viticulture traits, such as being disease resistant and tolerable to harsh climates. 	<p>Project Budget: \$14,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Missouri GAP and GHP Cost Share Program</i> Increase the supply of Missouri grown fruits and vegetables in wholesale and commercial markets by increasing the number of Good Handling Practices (GHP) certified facilities and Good Agricultural Practices (GAP) certified producers. 	<p>Project Budget: \$44,135.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Improving Youth Education and Consumer Awareness of Specialty Crops</i> Partner with the Columbia Farmers Market to improve youth education and consumer awareness of specialty crops by developing a youth education club that rewards learning about specialty crops and train consumers how to incorporate more specialty crops into their diets. 	<p>Project Budget: \$12,993.92 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Missouri River Valley Specialty Crop Producers Marketing Program</i> Partner with the Missouri River Communities Network to expand the number of specialty crops growers and the amount of specialty crops grown in the Missouri River Valley by (1) developing and implementing a Specialty Crop Food Assessment inventory for specialty crop producers in the Missouri River Valley; (2) creating a database housing relevant specialty crop information; (3) conducting three training workshops demonstrating “How to Organize a Specialty Crop Local Food Festival in Your Community”, and (4) developing and conducting two workshops: “How to Organize a Community Food Circle to Maximize Specialty Crops Marketing in Your Community” and “Planning a Food Hub to Enhance and Grow the Market or Specialty Crops in Your Area”. 	<p>Project Budget: \$28,638.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Protecting Fruit Crops from Invasive Fruit Fly, Spotted Wing Drosophila - Cost-Share</i> Establish an insecticide cost-share program for specialty crop producers that incorporates additional management practices that minimize damage from Spotted Wing Drosophila (SWD) on small fruits 	<p>Project Budget: \$62,034.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Establishing the Pawpaw as a Viable Missouri Specialty Crop</i> Partner with EarthDance Organic Farm School to establish pawpaws as a viable specialty crop in Missouri by planting a pawpaw orchard and providing farmer training and consumer education. 	<p>Project Budget: \$7,452.65 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Market Development Options for Missouri Wine and Grape Producers</i> Partner with the University of Missouri to develop marketing options for Missouri wine and grapes by developing wine trails, wine passport programs, and a new appellation. 	<p>Project Budget: \$53,128.47 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$0.00 Indirect Costs: \$36,623.91</p>

Montana Department of Agriculture

Amount Awarded:

\$990,939.77

Number of Projects:

11

<ul style="list-style-type: none"> • <i>Detection of Fungicide Resistant Ascochyta Blight</i> <p>Partner with Montana State University to provide pulse crop (lentil, chickpea, dry pea) growers with more information about disease management by developing a molecular detection technique to discriminate between isolates that are tolerant and susceptible to strobilurin fungicides.</p>	<p>Project Budget: \$95,710.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluating generational resistance to Potato Virus Y in potato</i> <p>Partner with Montana State University to provide Montana seed potato growers with information via seminars and publications regarding potato virus Y (PVY) resistance in later generational potatoes by determining generational and variety susceptibility of potato to PVY, evaluating commercial biological control agents and known plant defense inducing compounds, and identifying mechanisms of PVY resistance in later generation potatoes.</p>	<p>Project Budget: \$126,008.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluation of Montana-grown “Superfood” Fruits</i> <p>Partner with Montana State University to identify productive and profitable novel fruits that diversify Montana’s agricultural base by conducting field trials at 4 locations and disseminating the results via their website, yearly field tours, workshops, an extension Mont-guide and a peer-reviewed journal article.</p>	<p>Project Budget: \$119,102.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Food Safety Trainings for Group GAP</i> <p>Partner with the Lake County Community Development Corporation to increase specialty crop producers’ understanding of FSMA (Food Safety Modernization Act) and market opportunities for local food hub specialty crop producers to access institutional markets by implementing Group GAP (Good Agricultural Practices) and QMS (Quality Management Systems) programs, training additional RIV (regional independent verifier) auditors, and providing information via meetings, radio, and print articles.</p>	<p>Project Budget: \$136,157.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Identification, Preservation, and Propagation of Heritage Orchards in Montana</i> <p>Partner with Montana State University to perpetuate the genetic of heritage orchard trees by sampling, analyzing, identifying, preserving, and propagating the heritage trees and selling them to the public, as well as creating a website and smart phone application to locate heritage orchard trees.</p>	<p>Project Budget: \$127,680.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Meeting Montana's Food Safety Education Needs</i> <p>Partner with Headwaters RC&D Area, Inc. to increase Montana’s specialty crop producers’ and processors’ ability to compete in a changing market environment where food safety compliance (with the Food Safety Modernization Act) is paramount by providing educational programs, technical assistance, and building an online library of affordable remote training and reference resources.</p>	<p>Project Budget: \$57,327.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Montana Sustainable Strawberry Initiative</i> <p>Partner with Montana State University to provide information regarding the potential to expand Montana strawberry production by conducting field trials evaluating three varieties in three production systems (annual high tunnel, annual field, and conventional matted row) at six locations across Montana, and disseminating the research results to the specialty crop industry via Extension Bulletins, field days, and an online blog.</p>	<p>Project Budget: \$55,017.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Montana’s Bee Viruses: Identification and Transmission</i> <p>Partner with Montana State University to increase the understanding of virus transmission routes adversely affecting honey bee pollinators by determining which virus strains are present and prevalent in Montana and investigating the mechanisms of virus transmission using molecular biology techniques.</p>	<p>Project Budget: \$65,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Northern Plains Vegetable Variety Testing</i> <p>Partner with Montana State University to increase yield and quality of Montana-grown vegetables by increasing knowledge of varietal trait differences and increasing adoption of better-adapted varieties by conducting variety field trials and sharing the results with specialty crop stakeholders via site tours, a journal article, social media, presentation at the 2016 Northern Plains Sustainable Agriculture Society and other consumer and producer outreach events.</p>	<p>Project Budget: \$30,056.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Plant Something: Montana-Grown Awareness Campaign</i> <p>Partner with the Montana Nursery & Landscape Association to increase sales of Montana-grown, regionally adapted landscape plant material by implementing a “Plant Something” campaign educating the public about proper plant choices, planting, and placement of nursery stock through a consumer-awareness campaign consisting of a website, social media, a printed buyer’s guide, and certified plant professionals at retail nurseries.</p>	<p>Project Budget: \$52,380.00 Indirect Costs: \$0.00</p>

• Administration	Project Budget:	\$100,175.00
Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.	Indirect Costs:	\$21,617.53

Nebraska State Department of Agriculture

Amount Awarded:	\$599,691.19	Number of Projects:	17
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• Japanese Beetle Survey	Project Budget:	\$20,630.00
Conduct a survey to identify the presence of Japanese Beetle among Nebraska Specialty Crop production areas and to maintain a Category 2 status (partially infested) under Japanese beetle Harmonization Plan.	Indirect Costs:	\$0.00
• Rediscovering Our Roots: Promoting Late-Season Crops Through Market Diversification and Producer and Consumer Education	Project Budget:	\$37,951.50
Partner with Old Cheney Road Farmers' Market to conduct educational workshops to specialty crop producers and consumers to increase supply and demand of specialty crops at the Holiday Harvest Farmers' Market.	Indirect Costs:	\$3,031.00
• Thousand Cankers Disease of Walnut Survey	Project Budget:	\$25,960.00
Conduct a survey to identify and monitor the presence of Thousand Cankers disease (TCD) with in the Nebraska walnut stands, to maintain a pest free status.	Indirect Costs:	\$0.00
• Potato Psyllid Monitoring Network for Nebraska	Project Budget:	\$57,600.00
Partner with Potato Certification Association of Nebraska (PCAN) to establish a Potato Psyllid monitoring system to determine a pest management program to control the pest and the diseases caused by the pest.	Indirect Costs:	\$0.00
• Agronomic Practices for Fenugreek Production in Western Nebraska Abstract	Project Budget:	\$23,530.00
Partner with the University of Nebraska – Lincoln's Panhandle Research and Extension Center to identify production parameters for fenugreek for optimal seed yield in Nebraska's Panhandle by investigating the optimal irrigation level in fenugreek.	Indirect Costs:	\$1,880.00
• Columbia Root Knot Nematode Survey	Project Budget:	\$18,140.00
Conduct a survey to establish that Nebraska potatoes production in free from Columbia Root Knot Nematode to facilitate international marketing opportunities.	Indirect Costs:	\$0.00
• Using Ozone to Develop Environmentally Preferable Disease Control in Grapes and Orchard Fruits	Project Budget:	\$47,300.00
Partner with McFarland Family Farms to enhance quality of fruit by elimination harmful contaminants by developing application procedures of ozone spray in vineyard and orchard and determining the levels of ozone required to be effective to eliminate fruit diseases.	Indirect Costs:	\$0.00
• Micro-Climate Temperature Inversions and Herbicide Drift	Project Budget:	\$35,943.00
Partner with the University of Nebraska to increase farmer awareness of temperature inversions and herbicide drift by designing, installing, and monitoring the effects of temperature inversion has on herbicide drift and educate them about its effects.	Indirect Costs:	\$500.00
• Establishment of a Nebraska Aphid Monitoring Network	Project Budget:	\$73,000.00
Partner with the Potato Certification Association of Nebraska to establish an aphid monitoring network, using several trapping methods to better inform potato producers of the presence of aphids, to allow produces opportunities to implement the proper pest management process to control the pest.	Indirect Costs:	\$0.00
• Potato Cyst Nematode Survey	Project Budget:	\$41,615.00
Conduct a survey to identify and monitor the presence or absence of Potato Cyst Nematode with in the Nebraska potato fields to maintain a pest free status so Nebraska grown potatoes can continue to be sold into international markets.	Indirect Costs:	\$0.00

<ul style="list-style-type: none"> • <i>Growing Potato Starch Under Dryland Conditions in Western Nebraska</i> Partner with the University of Nebraska’s Lincoln Panhandle Research and Extension Center to develop the technology and determine the economic feasibility to grow high yielding potato crop with high dry matter under dryland conditions using sustainable agriculture practices using potatoes varieties that are high in starch. 	<p>Project Budget: \$22,920.00 Indirect Costs: \$1,830.00</p>
<ul style="list-style-type: none"> • <i>Determining the Incidence and Distribution of Important Diseases of Dry Yellow Peas, a New Crop for Nebraska</i> Partner with the University of Nebraska’s Lincoln Panhandle Research and Extension Center to identify the various diseases that could be encountered during the production process of growing dry yellow peas; and to increase growers’ awareness of the potential diseases and how to manage dry yellow peas in the case of an outbreak. 	<p>Project Budget: \$25,198.00 Indirect Costs: \$2,016.00</p>
<ul style="list-style-type: none"> • <i>Hops: Building a Sustainable and Successful Foundation</i> Partner with the Nebraska Hop Growers Association to enhance producer knowledge of hops grown in Nebraska through training and providing consultation to hops growers and implementing electronic and print marketing strategies. 	<p>Project Budget: \$9,275.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Locally Grown Locally Owned</i> Partner with the Douglas County Health Department to increase access to locally grown fruits and vegetables to Douglas County residents in identified food deserts by implementing farm-to-institution practices that include featuring locally grown produce will be conducted across the four participating stores by a nutrition educator; developing and providing training materials, promotional tools, and toolkits to store owners to increase their knowledge on the range of farm-to-store implementation strategies for fruits and vegetables; and helping them to incorporate strategies of farm-to store practices into their business models. 	<p>Project Budget: \$31,540.00 Indirect Costs: \$852.00</p>
<ul style="list-style-type: none"> • <i>Extrusion Processing of Dry Edible Beans to Increase In Vitro Magnesium Bioaccessibility</i> Partner with the University of Nebraska-Lincoln to increase the consumption of dry edible beans by investigating extrusion—a processing technique that involves pressure, shear, and heat—to create a ready-to-eat snack and a pasta product from beans that contain increased in vitro magnesium bioaccessibility, which is an indicator of bioavailability in vivo. 	<p>Project Budget: \$32,537.00 Indirect Costs: \$2,603.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$50,024.49 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expanding Production of Vegetables by Extending Growing Season Using Geothermal Heated Greenhouse</i> Partner with BeeHaven Farm Roadside Market to increase production and revenue for specialty crops by determining a set of best management practices and using forced air geothermal greenhouse technology. 	<p>Project Budget: \$31,500.00 Indirect Costs: \$0.00</p>

Nevada Department of Agriculture

Amount Awarded:	\$301,441.48	Number of Projects:	14
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<ul style="list-style-type: none"> • <i>Meet Your Farmer App – Phase 2 In-Store Pilot</i> Partner with the Great Basin Community Food Cooperative to increase consumer awareness, appreciation, and demand for Nevada grown specialty crops by using a mobile app that provides an engaging platform for the people of Northern Nevada to directly connect with their specialty crop producers and their products. 	<p>Project Budget: \$24,241.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Growing the Next Generation of Nevada’s Specialty Crop Farmers</i> Partner with the Greenhouse Project to increase student awareness of Good Agricultural Practices and Good Handling Practices (GAP/GHP) and sustainable field production techniques for specialty crops by developing a student-run community supported agriculture (CSA) program in which students, Nevada’s future specialty crop farmers, learn about growing vegetables, food safety procedures, marketing products and farm production business skills. 	<p>Project Budget: \$21,577.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Community Horticulture & Cider Making (CH&CM)</i> Partner with the Tea House Gardens to identify, restore, and return local heritage apple groves back into production by soliciting heritage apple grove owners to participate in a multiyear renewable agreement to receive volunteer horticultural services in exchange for a portion of their crop; recruiting, managing, and training community volunteers to learn and practice horticultural restorative care, pest control, and maintenance of enrolled apple groves; and presenting an annual community cider-making event that promotes the project while engaging community members in making and sharing fresh cider. 	<p>Project Budget: \$24,165.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Nevada Specialty Crop Social Media Video Promotions</i> Elevate the presence and awareness of Nevada’s specialty crops online by producing and airing videos featuring Nevada specialty crop producers, growers, and retailers. 	<p>Project Budget: \$23,723.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Pumpkin Variety Field Trial</i> Partner with Lazy P Adventure Farm to increase pumpkin production in Nevada by conducting a study to identify viable varieties of pumpkins and cultural practices that will prosper in our local climate, soil conditions, growing season and offer resistance to pests and diseases. 	<p>Project Budget: \$12,892.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>“Growing to Share” at Heritage Park Gardens</i> Partner with the Main Street Gardnerville Program Corporation to increase nutrition knowledge and consumption of specialty crops by facilitating a nutrition workshop and community garden where parents of participating families will learn the value of freshly harvested fruits and vegetables. 	<p>Project Budget: \$6,780.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Cost Estimates and Implementation of Edible Horticultural Product Food Safety Practices in Nevada</i> Partner with the University of Nevada Cooperative Extension to inform specialty crop producers about economically viable food safety practices giving them a realistic estimate for farm planning and marketing activities by quantifying the costs associated with implementing food safety practices and assessing the levels of adoption. 	<p>Project Budget: \$21,902.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Young Farmer & Farm Stands Initiative</i> Partner with the Academy of Arts, Careers and Technology and Urban Roots to increase interest in and demand for specialty crops in the Washoe County School communities by developing and implementing a curriculum focused on educating educate children in the K-12 system about the variety of crops that are available to them and how to grow, harvest, eat and sell their own healthy produce. 	<p>Project Budget: \$20,462.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Value-Added Food Business Education Program</i> Partner with the Lincoln Communities Action Team to enhance the economic viability of Nevada specialty crop producers and entrepreneurs by introducing business concepts, and specific expertise in creating and marketing simple value-added products through a series of workshops. 	<p>Project Budget: \$24,271.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>The High Desert Beekeeping & Pollinator Habitat Project</i> Partner with Urban Roots to promote an economically sustainable beekeeping network in northern Nevada by providing general guidelines to the overall farming and gardening community to identify beekeeping techniques that are unique to our high-altitude, dry climate and relevant to season extension farming in Nevada. 	<p>Project Budget: \$24,271.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Organic Propagation Service for Nevada Farmers</i> Partner with the High Desert Farming Initiative to increase cost-savings for specialty crop producers in Nevada by offering farmers an organic propagation service in Reno, Nevada at a limited cost to farmers. 	<p>Project Budget: \$24,271.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>High Desert Hops Project, Phase II</i> Partner with Urban Roots to encourage and guide producers to grow hops successfully by conducting variety trials to identify hop varieties that will thrive in Nevada’s high desert ecology and yield highly desirable qualities for Nevada brewers. 	<p>Project Budget: \$24,271.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Best Practices Raspberry Production in a Nevada Hoop House</i> Partner with the High Desert Farming Initiative to increase Nevada farmers’ agricultural and economic knowledge to successfully grow raspberries in hoop houses by creating a document outlining the best practices for growing raspberries in hoop houses in the harsh Nevada climate. 	<p>Project Budget: \$24,051.00 Indirect Costs: \$0.00</p>

- **Administration** **Project Budget:** \$5,000.00
 Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. **Indirect Costs:** \$19,075.49

New Hampshire Department of Agriculture, Markets and Food

Amount Awarded: \$273,101.12 **Number of Projects:** 10

- **Promoting SNAP/ EBT Redemption at Merrimack County Winter Farmers Markets** **Project Budget:** \$19,150.00
 Partner with Merrimack County Conservation District (MCCD) to increase customer base at winter farmers' markets through greater outreach and education to the public by improving promoting the use of Supplemental Nutrition Assistance Program (SNAP) benefits for fruit and vegetable purchases and offering educational workshops at winter farmers' markets and social service agencies to help families learn how to prepare and cook fun, nutritious, and tasty fruits and vegetables that can be purchased locally. **Indirect Costs:** \$0.00
- **Organic Specialty Crop Cost of Production: Assessment & Education** **Project Budget:** \$41,886.00
 Partner with the Northeast Organic Farming Association (NOFA) in Massachusetts, New Hampshire, and Vermont to increase the efficiency of production and profitability of specialty crops in Massachusetts, New Hampshire and Vermont by providing technical support for organic specialty crop farmers to complete crop-specific enterprise analyses; creating resources that will inform current and beginning farmers in their own business and management plans; and hosting workshops and field days for specialty crop producers. **Indirect Costs:** \$0.00
- **NH Farmers Market Association New Hampshire Public Radio Air Time** **Project Budget:** \$5,000.00
 Partner with the New Hampshire Farmers Market Association to increase public awareness by targeting a group of consumers who potentially understand the importance of buying locally grown vegetables, blueberries, peaches, and many of the specialty fruits grown in New Hampshire, along with other specialty crops such as local honey, local wines and maple syrup through on-air radio messages and a web banner on the local radio station website. **Indirect Costs:** \$0.00
- **Specialty Crop Safety: From Field to Market** **Project Budget:** \$25,700.00
 Partner with Small & Beginner Farmers of New Hampshire to increase knowledge on the part of specialty crop growers of food safety issues inherent in greens and root vegetable production from field to market by preparing small and beginning specialty crop growers in New Hampshire for anticipated changes in food safety regulations through focused workshops and improving their food handling practices in a safe, timely and economical manner by provide access to expensive, otherwise unattainable equipment. **Indirect Costs:** \$0.00
- **Table Grape Cultivars and Training Systems for New Hampshire** **Project Budget:** \$19,434.00
 Partner with the University of New Hampshire Cooperative Extension to increase knowledge on which table grape cultivars are best adapted to New Hampshire and which training systems that are best suited (most effective, least laborious) for use with these cultivars by evaluating eight table grape cultivars under three training systems: vertical-shoot positioning, top-wire cordon and modified Munson, and this information will be disseminated through workshops to growers and on-farm twilight meetings throughout the region. **Indirect Costs:** \$0.00
- **Establishment of fertilization practices for hydroponically produced culinary herbs** **Project Budget:** \$36,041.00
 Partner with the University of New Hampshire Cooperative Extension to establish fertility recommendations for basil, dill, parsley, and cilantro in order to meet and increasing demand for year-round access to locally-grown culinary herbs in New Hampshire by investigating the nutritional needs of hydroponically produced culinary herbs and to establish fertility recommendations for basil, dill, parsley, and cilantro. **Indirect Costs:** \$0.00
- **Creating a Farm Food Safety Toolbox** **Project Budget:** \$20,542.00
 Partner with the University of New Hampshire Cooperative Extension to enhance resource tools available to specialty crop producers by becoming more aware of their food safety knowledge, information and resource needs through a needs assessment survey and then developing a Farm Food Safety Toolbox based on the results from the assessment survey. **Indirect Costs:** \$0.00

<ul style="list-style-type: none"> • <i>Enhancing the Competitiveness of New England Specialty Crops through Regional Collaboration</i> Partner with the Connecticut Department of Agriculture and Harvest New England Association to increase the purchases and sales of New England grown specialty crops by improving the marketing skills of New England farmers, increasing the demand of New England grown produce by New England consumers, and enabling direct buying opportunities through one-on-one meetings between buyers and wholesalers. 	Project Budget: \$6,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Continuation of the Buy Local Agriculture Campaign partnership with NH Division of Travel & Tourism Development, Featuring Specialty Crop Promotion</i> Increase awareness and sales of New Hampshire specialty crops by developing and implementing a multi-media advertising campaign (TV, internet, print, social media) centered on the established New Hampshire's Own brand and with a specialty crop emphasis. 	Project Budget: \$77,208.68 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$21,822.76

New Jersey Department of Agriculture

Amount Awarded:	\$813,342.55	Number of Projects:	13
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<ul style="list-style-type: none"> • <i>Growing Beach Plums for Profit</i> Partner with the Cape May County Beach Plum Association, Inc. to increase the knowledge and awareness of the beach plum through hands-on courses on hydroponic growing of beach plums, determining which variety will be the best product to introduce to the market, marketing and promotion of the beach plum, and educating members of the community on the beach plum during meetings. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Cumberland Grown: Promoting Specialty Crops in Cumberland County, NJ</i> Partner with the Cumberland County Board of Agriculture to increase awareness of New Jersey grown specialty crops by offering a workshop in direct marketing skills to Cumberland County specialty crop producers, staffing a booth at the Cumberland Country Fair to distribute brochures and promote specialty crops, purchasing billboard space that promote specialty crops on major highways in the county, and creating a Facebook page and Twitter account dedicated solely to specialty crops. 	Project Budget: \$17,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Agricultural Leadership Development Program</i> Partner with the New Jersey Agricultural Society to increase the knowledge of specialty crop production among agricultural professionals by creating a course which includes tours to specialty crop farms (cranberry, nursery crops, wine, honey and other specialty crops) and workshops related to specific specialty crop commodities. 	Project Budget: \$21,048.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>How Land Use Affects the Quantity and Concentration of Pesticides Found in Fresh Stored Pollen in Honey Bee Hives</i> Partner with the New Jersey Beekeepers Association to increase knowledge on the location, quantity, and number of pesticides to which honey bee colonies are exposed by analyzing fresh pollen from five colonies in each of the five land use areas in New Jersey to obtain scientific data that will demonstrate areas of the state in which honey bees are less exposed to pesticide contaminated pollen. 	Project Budget: \$36,710.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Optimizing Management Strategies for Control of Invasive and Native Blueberry Insect Pests in Grower IPM Programs</i> Partner with the New Jersey Blueberry Growers Association to minimize crop and economic losses resulting from invasive and other pests, improve the effectiveness of the pesticide resistance program, and increase public understanding of Integrated Pest Management (IPM) systems by collecting data from traps set within selected crops, training growers on fruit evaluation methods and providing them with treatment and resistance management plans, and distributing IPM information cards to farm markets. 	Project Budget: \$39,960.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Project to Maximize the Effectiveness of the Jersey Fresh Advertising Program in 2015 and Beyond</i> Increase the sale of Jersey Fresh specialty crop products by marketing Jersey Fresh in print and television advertisements which will culminate in an increased awareness of Jersey Fresh products. 	Project Budget: \$369,962.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Training for Controlled Environment Agriculture Systems to Advance the Production and Sale of Fresh Produce in Urban Areas</i> Partner with the New Jersey Farm Bureau to increase the knowledge of urban specialty crop growers with food production practices through training, education and utilization of high tunnel/small urban greenhouse structures. 	Project Budget: \$27,628.73 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increasing Sales of Plants and Flowers in New Jersey through the 'Plant Something' Marketing Program</i> Partner with the New Jersey Nursery & Landscape Association, Inc. to increase New Jersey plant sales by implementing a "Plant Something" marketing campaign, which will include the development of a traditional, electronic and social media messaging campaign. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Marketing Jersey Fresh Peaches</i> Partner with the New Jersey Peach Promotion Council to increase awareness and maintain sales of New Jersey peaches by implementing a marketing campaign that promotes them through print media and various promotional events. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Know Your Farmer, Know Your Food: Connecting Consumers with New Jersey Potato Growers</i> Partner with the New Jersey White Potato Association to increase consumer awareness and therefore also increase sales of New Jersey potatoes by photographing local potato farmers at their own farms and designing promotional signs with these photos that will be distributed to approximately 750 retail locations over a period of two years. 	Project Budget: \$38,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Survey of Vineyard Pest Insects in New Jersey</i> Partner with the Outer Coastal Plain Vineyard Association to mitigate the severity of insect pest damage to wine grapes in New Jersey through collection and analysis of soil and leaf surveys and culminating with the identification of the key insect pests impacting the New Jersey wine industry. 	Project Budget: \$38,309.00 Indirect Costs: \$1,000.00
<ul style="list-style-type: none"> • <i>Evaluating and Demonstrating the Use of Low-Tunnels in New Jersey to Extend the Production Season of New Rutgers Strawberry Cultivars and Specialty Gr</i> Partner with Rutgers New Jersey Agricultural Experiment Station to increase the use of low-tunnels to extend the growing season for specialty crops (strawberries, kale, collards and mustard greens) through analysis of the effectiveness of low-tunnels with these specific specialty crops and then using educational videos to improve the knowledge of specialty crop farmers in using low-tunnels. 	Project Budget: \$36,322.00 Indirect Costs: \$2,666.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$61,111.00

New Mexico Department of Agriculture

Amount Awarded:	\$550,749.99	Number of Projects:	9
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<ul style="list-style-type: none"> • <i>Expanding Herbicide Options for Chile Pepper Production in New Mexico</i> Partner with New Mexico State University to expand weed control options available to chile pepper growers in New Mexico by determining crop injury to post-direct, shielded applications of flumioxazin in direct-seeded chile pepper. 	Project Budget: \$30,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Organic Apple High Density Planting in New Mexico</i> Partner with New Mexico State University to demonstrate the potential of organic apple high density planting and to evaluate its possible challenges in New Mexico by evaluating rootstocks and recommend suitable rootstocks for high density organic apple production in New Mexico; employing the tall spindle system and examine the challenges of using this system in organic high density apple production in New Mexico; and disseminating the results to growers through publications, field days, and presentations at conferences. 	Project Budget: \$27,242.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Conducting Promotional Activities for New Mexico Specialty Crops Throughout the Food and Beverage Industry</i> Increase New Mexico specialty crop sales and consumer awareness by enhancing the exposure and awareness of New Mexico specialty crop food and beverage products to at least 40 New Mexico companies involved with specialty crops through in-state promotions. 	Project Budget: \$102,650.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Promoting New Mexico Onions and Other Specialty Crops at the Produce Marketing Association Fresh Summit</i> Partner with the New Mexico Dry Onion Commission to increase sales of New Mexico specialty crops through participation in 2014 and 2015 trade shows. 	Project Budget: \$125,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Fresh Market Green Chile Market Development and Promotion 2014/2015</i> Increase the market share of New Mexico Green Chiles by identifying new markets, stores in each market and volume sold with focus on regional and national expansion during the 2015/2016 harvest through: webinars, roasting programs, technical seminars, in-store demonstrations and educational outreach regarding heat levels. 	Project Budget: \$75,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>It's SNAP Increasing Specialty Crop Sales through Improved SNAP Usage at NM Farmers' Markets and Farm Stands</i> Partner with the New Mexico Farmers' Marketing Association to increase sales of specialty crops among low-income Supplemental Nutrition Assistance Program (SNAP) recipients in four low-income/low-access counties (Rio Arriba, San Miguel, Dona Ana and Hidalgo) by developing and hosting trainings, providing seminars, and implementing a targeted multi-media advertising campaign for locally grown specialty crops. 	Project Budget: \$81,654.00 Indirect Costs: \$3,416.00
<ul style="list-style-type: none"> • <i>Taos Veterans Farmers Project (TVFP)</i> Partner with Not Forgotten Outreach to increase sales of specialty crops grown by new specialty crop (veteran) farmers through the implementation of a military veteran training program that that prepares them to grow and profit from specialty crop production. 	Project Budget: \$12,785.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$44,328.73 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Sustainable Native Plant Nurseries in Native Communities</i> Partner with Rio Puerco Alliance to increase economic opportunities for Zia, Laguna, and Tri-chapter area of Eastern Navajo tribes through developing sustainable nurseries that will provide local culturally appropriate jobs by growing native plants that can be sold locally to larger nurseries. 	Project Budget: \$46,658.44 Indirect Costs: \$0.00

New York State Department of Agriculture and Markets

Amount Awarded:	\$1,417,712.46	Number of Projects:	15
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<ul style="list-style-type: none"> • <i>Bacterial Rots of Onions: Etiology and Control</i> Partner with Cornell University to reduce onion producers growing losses due to bacterial decay by identifying when plants are initially colonized and how the disease develops as well as testing materials that might reduce losses from bacterial disease. 	Project Budget: \$99,996.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Breed Tomatoes with Improved Fruit as well as Late/Early Blight and Septoria Leaf Spot Resistances</i> Partner with Cornell University to control late blight, early blight, and Septoria leaf spot on New York tomatoes by creating lines and hybrids that have genetic control of these diseases, produce higher quality, larger fruit on better clusters, and are adapted to New York conditions and growing practices. 	Project Budget: \$99,997.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Enhancing the Competitiveness of New York's Onion Industry with an IPM Program for Thrips</i> Partner with Cornell University to develop and implement an environmentally and economically sound strategy for managing thrips (the major pest to New York onions) by comparing the effectiveness of the novel integrated pest management (IPM) program with the standard thrips management program. 	Project Budget: \$100,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Using Under-Vine Cover Crops to Reduce Management Costs in Hybrid Winegrapes</i> Partner with Cornell University to reduce winegrape management costs by determining the impact of seven competitive annual cover crops planted directly under Noiret vines on production costs, vine size, and wine quality. 	Project Budget: \$37,358.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Searching for the Oak Wilt Pathogen, Ceratocystis Fagacearum, in New York State</i> Partner with Cornell University to protect oaks for nursery crop growers from damage caused by Ceratocystis fagacearum, an exotic oak wilt pathogen, by determining the extent of the pathogen's presence in New York's red oak population and understanding its potential for spreading or reintroduction. 	<p>Project Budget: \$80,945.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Biology and Economic Impact of Red Blotch Disease in New York Vineyards</i> Partner with Cornell University to increase vineyard profitability, reduce production uncertainties, and enhance the competitiveness of the New York grape and wine industry by determining the effect that GRBaV (grapevine red blotch-associated virus) has on vine vigor, fruit yield and fruit quality, understanding how the virus spreads, developing crop budgets to assess the cost of red blotch disease management, and raising awareness in the grape and wine industry. 	<p>Project Budget: \$99,932.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Addressing Diseases That Threaten the Developing New York Hop Industry</i> Partner with Cornell University to establish effective programs to protect hops from the threats posed by powdery and downy mildews by establishing the quantitative susceptibility of major varieties to powdery and downy mildew, essential details of pathogen survival, reproduction, and dissemination, and an integrated and effective program to manage the foregoing diseases under New York conditions. 	<p>Project Budget: \$99,350.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Sour Rot: Defining and Managing a Disease Threatening the Profitability of New York State Vineyards</i> Partner with Cornell University to mitigate sour rot in vineyards by establishing the microbial causes of Sour Rot, the role fruit flies play in its development and spread, and designing and implementing a management program based upon these biological findings. 	<p>Project Budget: \$99,289.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Organic Seed Treatments for Sweet Corn for Enhanced Stand Establishment</i> Partner with Cornell University to reduce production costs and provide consistent plant stands by developing effective vermicompost seed treatments specifically aimed at reducing crop mortality rates due to damping-off fungi and allow for direct seeding as opposed to transplanting that can be used for organic sweet corn production. 	<p>Project Budget: \$98,479.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>New York City Appleloozza</i> Partner with the New York Apple Association to increase awareness of and the competitiveness of New York apples and apple products by implementing a marketing campaign that engages an influential cross-section of the downstate public through sampling, education, and agritourism promotion at high-visibility transportation and marketing hubs and utilizes in videos, e-blasts, online advertising and in social media. 	<p>Project Budget: \$75,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Promoting Specialty Crops in the Capital Region</i> Partner with Rensselaer County to increase the number of New York's Capital Region specialty crop producers and their sales by implementing a regional marketing campaign that educates consumers about the availability of locally grown specialty crops via regional website and social media and develops a how-to guide for social media that assists specialty crop farmers' produce in conveying their message to consumers. 	<p>Project Budget: \$92,308.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Let's Eat New York! A Farm-School-Grocery Partnership</i> Partner with Cornell University Cooperative Extension of Broome County to increase sales of New York State specialty crops produce in the Broome-Tioga BOCES institutional food service lunch program through a targeted messaging campaign combined with taste-testing and surveys with students. 	<p>Project Budget: \$50,113.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Providing New York's Organic and Transitioning Producer's with the Pest Management Recommendations for Specialty Crops</i> Partner with New York State Integrated Pest Management (IPM) Program to increase producer knowledge of the most up-to-date, legally allowed IPM protocols for certified organic producers of specialty crops by updating 12 existing production guides for organic specialty crops. 	<p>Project Budget: \$47,973.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expanding First Time GAP Audits and Preparing Producers for Food Safety Regulations</i> Promote the Good Agricultural Practices (GAP) audit as the best way to prepare for new regulatory programs and standards to be implemented under the Food Safety Modernization Act (FSMA) by developing a website and videos that introduce GAP to farms who currently are not participating. 	<p>Project Budget: \$216,816.63 Indirect Costs: \$0.00</p>

• Administration	Project Budget: \$64,970.22
Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.	Indirect Costs: \$47,860.79

North Carolina Department of Agriculture and Consumer Services

Amount Awarded:	\$1,175,219.50	Number of Projects:	15
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• <i>Apple Production for NC Craft Cider</i>	Project Budget: \$45,807.00
Partner with Appalachian State University to conduct a study to identify apple varieties that grow well in the region and produce high quality apple cider, to provide guidelines for low-input cultivation of apples through Integrated Pest Management (IPM) practices, evaluate the cold storage potential of such apple varieties, and provide access to cuttings for grafting and information on cultivation practices.	Indirect Costs: \$0.00
• <i>Local Produce Safety Initiative III</i>	Project Budget: \$75,790.00
Partner with Carolina Farm Stewardship Association to increase specialty crop farmers' access to markets by meeting buyer's requirements through the development of a food safety consultation and support program and the establishment a model for community-based, sustainable farmer-friendly food safety quality management systems (QMS).	Indirect Costs: \$0.00
• <i>Organic Conservation Outreach Program</i>	Project Budget: \$40,849.00
Partner with Carolina Farm Stewardship Association to improve the competitiveness of North Carolina specialty crop producers seeking to take advantage of the high-value market for organic produce by providing farmers with the tools they need to transition to certified organic production.	Indirect Costs: \$0.00
• <i>Farmer Foodshare's POP Market</i>	Project Budget: \$25,000.00
Partner with Farmer Foodshare to increase the capacity to support specialty crops farmers by developing and implementing online software and upgrading the website to handle it in order to streamline sales and record keeping required to track transactions of farmers who agree to supply their grade 2 and 3 fruits and vegetables to hunger relief organizations and people who have little access to local produce.	Indirect Costs: \$0.00
• <i>Optimizing Fraser Fir Christmas Tree Promotions</i>	Project Budget: \$181,007.00
Partner with North Carolina Christmas Tree Association to address the declining prices and sales of Fraser Fir Christmas trees grown in North Carolina by launching a marketing campaign to promote the industry.	Indirect Costs: \$0.00
• <i>Promoting North Carolina Horticulture Certifications</i>	Project Budget: \$116,600.00
Partner with North Carolina Nursery & Landscape Association to increase awareness of professional certifications and enhance knowledge, skill and experience of the North Carolina nursery and landscape industry by developing a social media marketing campaign to promote certifications and through introducing a Certified Young Plant Professional (CYPP) a new high school level certification.	Indirect Costs: \$0.00
• <i>Development of a Clean Plant Program for Muscadines</i>	Project Budget: \$125,692.00
Partner with North Carolina State University to identify, collect, virus-test and propagate old and new cultivars, in order to provide growers with a reliable source of true-to-type productive muscadine grape plants and sell them to nurserymen who wish to establish vines.	Indirect Costs: \$0.00
• <i>Improving North Carolina Black Truffle Production</i>	Project Budget: \$48,000.00
Partner with North Carolina State University to identify practical and cost effective methods to ensure seedlings are inoculated with the proper fungus and to measure the extent of colonization of the black Perigord truffle fungus in the orchard soil to assure faster orchard production.	Indirect Costs: \$0.00
• <i>Increasing Winter Squash Markets for North Carolina</i>	Project Budget: \$88,802.00
Partner with North Carolina State University to evaluate the stability of butternut varieties in different North Carolina production conditions and publish this information in a manner tailored to growers and potential growers in order to obtain best economic returns, as well as conduct a two day in-service workshop for 20 county extension agents	Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>New Blueberry Production Guide and Budget</i> Partner with North Carolina State University to revise and update the blueberry production guide, and to produce updated budgets for both large farms and small farms due to so many changes in the cultivar, supply and equipment costs this upfront knowledge is critical to the growers success. 	Project Budget: \$50,481.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>NC GAP Cost Share Project</i> Maintain the participation in Good Agricultural Practices (GAP) certification in North Carolina by reducing the extra cost of certification for growers by providing assistance certification assistance. This certification is a requirement of major retail stores and this certification will open the door for these growers to increase sales. 	Project Budget: \$60,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Sweetpotato Weevil Eradication in the NC Quarantine Zone (Phase 1)</i> Collect the biological information necessary to establish the baselines in order to implement an integrated pest management program for the eradication of sweet potato weevil (<i>Cylas formicarius</i>) (SPW) populations in North Carolina. 	Project Budget: \$89,658.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Turfgrass Sod Enhanced Promotional Campaign</i> Partner with North Carolina State University (CENTERE) to support and expand the reach of NC SPA's "Sod For Success" and "Go Green Buy Local" campaigns through a major television station's (WRAL)'s website. This site will be created for NC SPA to promote a new online educational feature focusing on lawn improvement to enhance the educational promotional campaign of North Carolina Turfgrass Sod. 	Project Budget: \$28,142.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>NC Produce Awareness Campaign</i> Partner with the North Carolina Vegetable Growers Association to increase awareness of North Carolina produce and flowers by launching an advertising campaign to draw attention to the industry. 	Project Budget: \$100,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$93,550.27 Indirect Costs: \$0.00

North Dakota Department of Agriculture

Amount Awarded:	\$3,153,470.64	Number of Projects:	37
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<ul style="list-style-type: none"> • <i>Development of Super Confection Sunflower Effectively Resistant to Downy Mildew and Rust</i> Partner with the National Sunflower Association to develop super confection sunflower germplasms with down mildew (DM) resistance combined with rust resistance by incorporating DM resistance identified in oil-type sunflower into confection sunflower, molecular mapping of DM resistance genes, and pyramiding DM and rust resistance genes in a single genetic background. 	Project Budget: \$96,380.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Improving Management of Fusarium Root Rot of Field Peas by Quantifying Impacts of Common Herbicides</i> Partner with North Dakota State University to assess whether any herbicides commonly used in a wheat/field pea crop rotation are associated with increased severity of Fusarium root rot of peas by conducting field experiments on land with a history of the disease to empirically test the impact of common herbicides on it. 	Project Budget: \$22,452.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Northern Plains Vegetable Variety Testing</i> Partner with the Northern Plains Sustainable Agriculture Society to increase yields and quality of North Dakota-grown vegetables, create networks for sharing and collaborating on vegetable variety improvement, and increase knowledge of varietal differences through the identification of vegetable varieties that meet local climatic and environment challenges with highly marketable qualities. 	Project Budget: \$99,814.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Optimizing Fungicide Application Strategies for Improved Management of Sclerotinia in Dry Edible Beans</i> Partner with North Dakota State University to identify optimal fungicide application strategies for control of Sclerotinia on dry beans relative to environmental conditions, plant architecture, and timing of canopy closure by conducting field studies on four dry edible bean varieties: two varieties each of pinto and navy beans, one with upright vine plant architecture and one with upright short vine architecture. 	Project Budget: \$50,074.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Local Foods Initiative</i> <p>Increase awareness of specialty crop production that builds the local foods movement and connects a community of supporters through social media outreach, restaurant program, radio promotion, and photo library.</p>	<p>Project Budget: \$211,382.20 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>North Dakota Specialty Crop Export Expansion Project</i> <p>Partner with the North Dakota Trade Office to increase sales of peas, beans, lentils, and confectionary sunflowers by conducting three outbound trade missions to Italy-Croatia, Colombia, and Israel, conducting one inbound trade mission for top prospects from each country to North Dakota, meeting prospective buyers in each of the four targeted countries, and increasing the U.S. and North Dakota market share in each country.</p>	<p>Project Budget: \$99,998.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Discovery of Specific Starch Properties of NDSU Potato Germplasm for Nutritional and Industrial Applications</i> <p>Partner with North Dakota State University to aid potato producers and the industry in the northern plains in identifying potato genotypes suitable for innovative nutritional and diet products, bioplastics and other industrial applications, pharmaceutical uses, and novel food stuffs by evaluating diverse germplasm for starch attributes including total starch, resistant starch, and determinations of the amylase/amylpectin ratio.</p>	<p>Project Budget: \$51,128.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Screening and Developing Lentil Cultivars Tolerant to Sulfentrazone</i> <p>Partner with North Dakota State University to identify at least one or more lentil cultivars with acceptable tolerance to sulfentrazone to aid in the development of additional cultivars by identifying lentil cultivars from different market classes and ancestry that are more tolerant to sulfentrazone using field, lab, and greenhouse methods, developing lab and greenhouse methods for cultivar screening that agree with field results, thus providing a fast, cost-effective technique to determine cultivar sensitivity, and developing tolerant lentil cultivars through mutagenic techniques.</p>	<p>Project Budget: \$37,208.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Validation of Biochemical Markers to Predict Sugar End Development under Field Conditions</i> <p>Partner with North Dakota State University to evaluate predictive biochemical markers in potatoes and explore novel proteins associated with major post-harvest problems (SED and CIS) that will reduce economic losses and enhance the competitiveness of the Midwest potato industry in and across the US by evaluating known potato varieties for levels of A-II protein, associating levels of A-II proteins with various parameters, and validating markers for SED under field conditions.</p>	<p>Project Budget: \$16,805.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Contribution of Nematode Populations and Soil Properties in Root Rot of Peas</i> <p>Partner with North Dakota State University to identify nematode species in association with pea roots by utilizing molecular procedures, to quantify six Fusarium species from pea roots using previously developed real-time PCR assays, and to determine associations between soil properties, nematode populations, Fusarium species, and root rot of peas.</p>	<p>Project Budget: \$75,205.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Research on Vegetable Production in Controlled Environment Systems</i> <p>Partner with North Dakota State University to help the growers of the newly emerging greenhouse vegetable industry with technical know-how by selecting the best performing cultivars of leaf lettuce including bib and Romaine lettuces for hydroponic culture, solving the occurrence of physiological disorder symptoms such as leaf margin burns and distortion on new growth in lettuce grown in the greenhouse, and optimizing nutrient solution for growing lettuce, tomato, and other vegetables in the greenhouse.</p>	<p>Project Budget: \$77,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Assessing the Potential for Remote Sensing of Potato Virus Y in Potato Seed Fields</i> <p>Partner with North Dakota State University to assess the potential for remotely sensing potato virus Y (PVY) in seed and commercial potato fields by determining the wavelengths of reflected light that are associated with PVY of seed potato plants, determining if these wavelengths are discernible in the greenhouse and field for new cultivar releases, advanced selections, and commonly grown cultivars by North Dakota certified seed potato producers, determining if PVY strains are discernible from one another in the greenhouse and field using spectral data, and determining if PVY infection can be differentiated from nutrient deficiency (specifically nitrogen) in the greenhouse and field using spectral data.</p>	<p>Project Budget: \$53,028.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Specialty Crop International Expansion</i> <p>Promote and increase sales for North Dakota's specialty crops internationally by connecting specialty crop exporters, commodity groups, and producers with foreign buyers through food export trade/buyers missions.</p>	<p>Project Budget: \$104,585.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Studies on Cold Acclimation of Winter Legumes</i> Partner with North Dakota State University to increase farm profitability and sustainability by expanding crop rotation options for Midwest growers to include fall-sown winter peas by developing a genetic map of two F7-derived mapping populations and identifying quantitative tati loci responsible for component traits of winter hardiness. 	<p>Project Budget: \$96,923.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Enhance Potato Production and Marketing in Western North Dakota</i> Partner with the Williston Ag Diversification Group to develop, evaluate, and advance newly bred and improved “niche” market potato varieties by developing an additional 350+ lbs. of mini-tubers of MonDak Gold that meets state regulatory seed status for subsequent distribution to seed and commercial growers to meet the Mon-Dak Gold variety production demands from 2015 and beyond and by growing-out MonDak Gold mini-tubers in 2015 to produce Generation 1 seed for both reinvestment as seed and for commercial potato growers for large scale production and marketing within the next three years. 	<p>Project Budget: \$91,850.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Managing Blemish Problems to Improve Marketing of Fresh Potatoes</i> Partner with North Dakota State University to reduce the loss of fresh market potatoes, primarily red- and yellow-skinned, to blemish problems that make them unmarketable by determining the blemish complex, surveying the types of blemishes that are currently causing loss, determining what agronomic management methods are available for controlling these blemishes – which include growth regulators, fungicide treatments, biological control agents, spent lime, and the use of fumigants – and screening multiple cultivars in the field for blemish-free tubers. 	<p>Project Budget: \$46,266.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Growth and Fresh Yield Responses of Sweet Corn to Mulch, Planting Date, and Hybrid</i> Partner with North Dakota State University to demonstrate an important way to plant sweet corn earlier, harvest earlier, increase its market value, and yield a higher income by evaluating sweet corn growth and fresh yield differences with four different type mulches (black, clear, biodegradable, and no mulch treatments) that will be planted at four different planting dates for three hybrids with maturity dates of 65, 75 and 85 days. 	<p>Project Budget: \$100,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Determining the Casual Pathogen of a New Disease Affecting Dry Field Peas</i> Partner with North Dakota State University to identify the pathogenic organism causing the uncharacterized dry pea disease by completing initial serological testing to identify potential viral candidates, testing for phytoplasm DNA, a secondary method for confirmation of the pathogen and modified Koch’s postulates for non-culturable organisms. 	<p>Project Budget: \$46,496.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Management of Potato Mop Top Tuber Necrosis Using Cultivars that Do Not Express the Disease</i> Partner with North Dakota State University to determine the powdery scab and potato mop top virus (PMTV) induced tuber necrosis susceptibility of every potato cultivar used in the table, chip, and French fry market sector grown in the state of North Dakota by securing and quantifying susceptibility to PMTV-induced tuber necrosis against the known susceptibility of the cultivars assessed to date. 	<p>Project Budget: \$47,615.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Farm Food Safety Training for Local Vegetable and Fruit Growers to Increase Sales and Success</i> Partner with the Entrepreneurial Center for Horticulture at Dakota College at Bottineau to increase the number of small to mid-sized vegetable and fruit growers trained in farm food safety and beginning direct to consumer sales venues by providing farm food safety classes including training on Good Agricultural Practices and Good Handling Practices (GAP/GHP), preparation of farm food safety plans, farm business management, marketing, crop production, season extension and more. 	<p>Project Budget: \$52,137.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluation of Dry Bean Germplams for Tolerance to Waterlogging</i> Partner with North Dakota State University to identify a group of at least 10 dry bean genotypes that will be more resilient or tolerant to waterlogging, especially at the early growth stages (germination, emergence, and vegetative growth) by evaluating a diverse group of approximately 700 dry bean genotypes for their tolerance to waterlogging under greenhouse conditions, testing tolerant genotypes in field condition, initiating crosses using the identified sources of waterlogging tolerance, and identifying the genomic regions associated with waterlogging tolerance. 	<p>Project Budget: \$138,833.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Fort Yates Helping Hands Community Garden and Cannon Ball Garden to Table Greenhouses</i> Partner with the Dakota Prairies Resource Conservation & Development Council to grow and strengthen the Helping Hands Community Garden in Fort Yates and create the new Garden to Table Greenhouses in Cannon Ball by increasing child and adult nutrition knowledge, increasing the consumption of locally-grown specialty crops to improve residents' health, and providing freshly dehydrated and vacuum sealed fresh fruits and vegetables to the reservation's residents that will be easy to store and consume during the winter when access to fresh food is difficult and expensive. 	<p>Project Budget: \$229,825.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Defining Glyphosate and Dicamba Drift Injury Thresholds in Field Peas, Dry Beans, and</i> Partner with North Dakota State University to establish a correlation between observed crop injury ratings and lab-tested glyphosate and dicamba levels in leaf samples by treating plants with three rates of glyphosate and dicamba alone or in combination, recording visible injury (along with pictures), harvesting plots, measuring yield/quality, and comparing observed values and lab-tested values. 	<p>Project Budget: \$90,042.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Hop Selections for North Dakota</i> Partner with North Dakota State University Williston Research Extension Center to educate the public about growing hops in the Upper Midwest by providing research results and disseminating the information with hop production management and variety recommendations to interested parties. 	<p>Project Budget: \$98,125.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Ornamental Woody Plant Breeding</i> Partner with North Dakota State University to increase the breeding efforts and germplasm collections for ornamental woody plants suited for the harsh North Dakota landscapes by developing a strong ornamental breeding program to include improvements with magnolia, maple and lilac germplasm, while also developing new ornamental cultivars suited for use in North Dakota and the Northern Great Plains. 	<p>Project Budget: \$34,061.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Development of Low Glycemic Products Using Pulse Ingredients</i> Partner with the Northern Pulse Growers Association to increase the usage of the region's peas, lentils and chickpeas in consumer's diets and to provide strong evidence of glycemic index (GI) of pulse in food items, by developing new low GI products with pulse flours including pasta, cookies, muffins, bread, crackers, quick bread, and extruded snack and snack bars, providing in vivo evidence showing the benefit of pulse flour to glycemic response, and promoting the benefit of pulse flours to the food industry. 	<p>Project Budget: \$128,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Developing Cold-Hardy Wine Grapes with Early Acclimation Stability</i> Partner with North Dakota State University to determine those accessions capable of advancing to secondary screening and ultimately the release of a cold-hardy red/white wine grape for the entire state by evaluating over 200 fruiting accessions enological characteristics and identifying parental V. riparia biotypes with stable early acclimation characteristics. 	<p>Project Budget: \$81,233.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Development of Superior Juneberry Cultivars</i> Partner with North Dakota State University to increase access to superior native juneberry biotypes and fruit availability by comparing growth and yield attributes of native accessions to Canadian commercial standards and to select those accessions that should proceed on the path to variety release. 	<p>Project Budget: \$41,815.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing Consumption of Edible Beans by Creating Bean Flours</i> Partner with North Dakota State University to optimize the milling of edible beans into different flour types by developing a dry milling system capable of grinding dry bean into a whole grain flour, producing baked products, snack products, and extruded products from different types of bean flours obtained during milling while assessing the sensory properties of these products, and increasing the knowledge of dry bean utilization at professional trade organizations and two workshops on dry bean milling and the application of bean flours in non-traditional food applications. 	<p>Project Budget: \$68,620.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • Potato Yield response and Nitrogen Losses as Influenced by Nitrogen Management and Cultivar Partner with North Dakota State University to increase potato yield and nitrogenous fertilizer use efficiency through fertilizer nitrogen (N) application rate, timing and additions of nitrification and urease inhibitor by determining the best fertilizer N management practices to enhance tuber yield, petiole N and N use efficiency of two popular potato cultivars, determining the soil nitrogen availability or inorganic N mineralization rate as influenced by N management, comparing soil N leaching loss under different N management treatments as measured by suction lysimeters installed at 3 feet, estimating ammonia (NH₃) volatilization loss from fertilizer-N managed plots as measured by acid trap, determining the control of N-management on denitrification-N loss (N₂O-N), and determining root morphological and dry matter accumulation differences between the two cultivars with various N treatments. 	<p>Project Budget: \$68,803.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Soybean Cyst Nematode Outreach and Characterization of the Genetic Basis for Resistance in Dry Bean Partner with North Dakota State University to develop soybean cyst nematode resistant dry bean cultivars by determining the genetics of resistance through classical breeding and then the resistance quantitative trait loci (QTL's), and identifying markers linked to the QTL's for use in marker assisted selection when screening for resistance in dry bean breeding programs. 	<p>Project Budget: \$100,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Evaluating Apples (Edible and Ornamental) for North Dakota Commercial Nursery and Orchard Industries Partner with North Dakota State University to provide specialty crop beneficiaries with essential updated and current information on cultivar selection, root stock selection, best management practices and culinary uses by providing best management practices based on organic vs. conventional apple orchard production, determining disease pressures on apple (ornamental and edible) across North Dakota affecting commercial and residential plantings, conducting varietal trials of edible and ornamental apple cultivars that are potentially suitable for use in North Dakota, conducting rootstock trials that are potentially suitable for orchard (commercially and residential) and landscape use, and understanding how to balance weed control and soil quality for optimal tree performance, fruit yield and quality in a new apple orchard in North Dakota. 	<p>Project Budget: \$98,075.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Hops Viability in Central North Dakota Partner with Glendon Philbrick to test five varieties of hops rhizomes to determine where a variety of hops will yield, how much will the variety yield, winter survival rate, and quality of the crop produced by assessing the climate viability of each rhizome variety and assessing the quality of the yield. 	<p>Project Budget: \$2,995.50 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Aneta Community Orchard and Gardens Partner with the Aneta Specialty Crop Group to expand the Aneta Community Orchard and Gardens by increasing production and consumption of specialty crops through garden plots, specialty crop tours, and outreach trainings. 	<p>Project Budget: \$42,820.59 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Improving Arthropod Pest Management on Grapes in North Dakota Partner with North Dakota State University to increase knowledge of integrated pest management (IPM) and beneficial arthropods associated with grapes and improve awareness of how management practices can impact these arthropods by documenting the grape arthropod fauna in North Dakota and investigating how relevant species are affected by crop management practices, including chemical application and plant diversity. 	<p>Project Budget: \$105,665.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Japanese Beetle Project Eradicate Japanese beetles in North Dakota by determining the extent of interceptions of Japanese beetle in North Dakota, locating possible sources of the beetles, determining if there is a overwintering population of Japanese beetles in North Dakota, performing delimiting surveys and eradication work, and using the outcomes to best establish a pest response and/or quarantine to protect the nursery industry of North Dakota. 	<p>Project Budget: \$87,696.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • Administration Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$212,589.88 Indirect Costs: \$29,476.00</p>

Commonwealth of the Northern Mariana Islands Department of Lands and Natural Resources

Amount Awarded: \$223,009.98 **Number of Projects:** 5

- **School Garden** **Project Budget:** \$55,968.00
Promote good nutrition and impart agricultural knowledge to Northern Mariana youth by creating gardens in schools throughout the islands as well as providing schools with teaching guidance and materials for specialty crop production and consumption. **Indirect Costs:** \$0.00
 - **Hydroponic Farming Education** **Project Budget:** \$18,715.00
Educate local specialty crop producers about the effectiveness of using hydroponic growing techniques and teach them how to implement this training on their own farms by continuing hydroponic projects on one farm plot and one public school, then sharing hydroponic techniques through demonstrations utilizing scientifically proven methodology. **Indirect Costs:** \$0.00
 - **Chemical Residue Testing** **Project Budget:** \$42,956.00
Increase the safety of local specialty crops and decrease the use of harmful chemicals in food production by training farmers on safe pesticide use and training local agencies and farmers on how to manage good residue testing practices. **Indirect Costs:** \$0.00
 - **Agricultural Data Collection and Market Outlets** **Project Budget:** \$18,618.00
Support the planning and support of specialty crop activities and enhance their competitiveness by studying the specialty crop industry at large in the Northern Mariana Islands, developing research on the best outlets for sales, and disseminating this information to specialty crop stakeholders throughout the islands. **Indirect Costs:** \$0.00
 - **Administration** **Project Budget:** \$86,743.00
Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. **Indirect Costs:** \$0.00
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Ohio Department of Agriculture

Amount Awarded: \$612,861.15 **Number of Projects:** 13

- **Production and Marketability of Edamame in Ohio** **Project Budget:** \$25,000.00
Partner with the Center for Innovative Food Technology to provide growers with the technical information necessary to make business decisions when evaluating production of edamame by evaluating the entire edamame supply chain starting with seed to production, harvesting, processing, marketing, and consumption. **Indirect Costs:** \$0.00
- **Evaluation of Dehydration of Specialty Crops** **Project Budget:** \$25,000.00
Partner with the Center for Innovative Food Technology to increase specialty crop producer knowledge of dehydration practices in creating processed products by evaluating the dehydration market; exploring equipment, procedures, and packaging; and promoting the practice to growers as a means of diversifying and expanding their production of processed products. **Indirect Costs:** \$0.00
- **Food Safety Software Data Management application for growers** **Project Budget:** \$25,000.00
Partner with the Center for Innovative Food Technology to increase Ohio specialty crop growers' knowledge about the availability, cost effectiveness, and time savings that various food safety recordkeeping methods can provide through demonstrations, presentations, webinars, and one-on-one interactions. **Indirect Costs:** \$0.00
- **Midwest Apple Foundation: 21st Century Apples** **Project Budget:** \$40,000.00
Partner with the Midwest Apple Foundation to facilitate both increased profitability and resilience for current growers and a realistic opportunity for apple growing expansion in Ohio by identifying a mid-season consumer-preferred apple which is resilient against environmental uncertainties such as extreme cold and late spring frosts, and incorporates natural resistances to diseases such as apple scab. **Indirect Costs:** \$0.00

<ul style="list-style-type: none"> • <i>Ohio Maple Producers Association: Maple Ohio</i> Partner with the Ohio Maple Producers Association to increase awareness of Ohio’s maple heritage and industry by implementing a marketing campaign that brands Ohio maple products and encourages statewide maple agritourism. 	<p>Project Budget: \$25,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Plant Something Campaign Marketing Support</i> Partner with the Ohio Nursery and Landscape Association to increasing consumer traffic to Ohio’s garden center retailers during the critical spring retail season by implementing the “Plant Something” campaign, which will include promotional newspaper inserts and other print materials in major markets. 	<p>Project Budget: \$60,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Development of Hop Production and Guidelines</i> Partner with Ohio State University to increase commercial hop production in Ohio by providing the necessary research based information for Ohio nursery growers interested in diversifying their current nursery production to include propagation of hop rhizomes and plants to meet the \$20 million demand for high quality disease free hop plant material 	<p>Project Budget: \$100,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Fruit Rot of Winterberries</i> Partner with Ohio State University to increase winterberry fruit yields through investigating the biology and epidemiology of fungal pathogens associated with this fruit rot in order to identify appropriate, well-timed, cost effective management strategies to prevent/control this disease by identifying the disease-causing pathogen(s), and determining the seasonal spore abundance and the environmental factors that favor spore release and resulting infections. 	<p>Project Budget: \$40,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Cold Hardiness Comparisons in Nursery Containers</i> Partner with Ohio State University to increase profits for nursery crop producers by investigating synthetic fertilizer use in nursery container production to determine less expensive yet effective application timings and formulations and various nutrient components and their impact on root hardiness. 	<p>Project Budget: \$25,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Water Quality & Testing</i> Partner with Ohio State University to enhance growers’ understanding of the requirements for water quality, proper water sampling techniques and the available resources for testing by developing and delivering the Agricultural Water Quality and Testing workshop and actively connecting fruit and vegetable farmers with water testing laboratories. 	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Validation of Waiting Intervals</i> Partner with Ohio State University to establish scientifically-validated intervals for application of untreated manure on Ohio specialty crop farms by determining the survival rate of pathogens in Ohio soils that have been amended with manure. 	<p>Project Budget: \$100,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Evaluation, Expansion & Extension of Super Berry Production</i> Partner with Ohio State University to identify new super berry crops and market opportunities for fruit growers by determining the adaptability, yield potential, and methods of propagation of Aronia berries, elderberries, goji berries, expanding the acreage of new and traditional super berry production in Ohio, and increasing the production and marketing skills of berry growers. 	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$0.00 Indirect Costs: \$45,200.00</p>

Oklahoma Department of Agriculture, Food, and Forestry

Amount Awarded:	\$657,370.85	Number of Projects:	16
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<ul style="list-style-type: none"> • <i>Research and Grower Education Programs on Scab Disease in Pecans</i> Partner with the Samuel Roberts Noble Foundation to reduce pecan crop loss due to pecan scab by researching the genetic basis for tolerance to pecan scab using molecular DNA technologies, gain knowledge about the response of pecan cultivars to pecan scab, and develop education programs for pecan growers to increase their awareness of pecan scab. 	<p>Project Budget: \$77,737.00 Indirect Costs: \$0.00</p>
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<ul style="list-style-type: none"> • <i>Quantifying the Agronomic and Economic Impact of Shade on Tomato Production in Oklahoma</i> Partner with Redlands Community College to reduce the negative impact by high temperature and larger amounts of direct solar radiation on tomato production and fruit quality by determining the impact of gradient levels of shading on tomato production, quality, growth, water and nutrient utilization and adding production data from Oklahoma to help develop a national database and monitor what the economic impact might be. 	<p>Project Budget: \$14,181.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Effect of LED Lighting and Silica Supplementation on Growth and Flowering on Common Cut Flower and Nursery Produced Ornamental</i> Partner with Oklahoma State University to decrease production time and improve plant quality on several important cut flower and nursery crops by evaluating LED lighting and silica supplementation on cut flower and ornamental plants grown in nurseries or greenhouses as a means to address current problems in production. 	<p>Project Budget: \$26,705.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Canna GermPlasm Screening Program and Field Testing</i> Partner with Oklahoma State University to reduce the costs for an expanding germplasm screening program by improving diagnostic testing through the production of clean canna rhizomes and conducting field trials of rhizomes to identify conditions that result in virus transmission, and the outcome will enable providing growers with recommendations, along with clean rhizomes to keep their growing systems healthy so they can improve their reputation in the market and a local supply of healthy rhizomes. 	<p>Project Budget: \$52,548.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Oklahoma Proven Plant Selection Program</i> Partner with Oklahoma State University to enhance the profitability of Oklahoma green industries by evaluating and promoting landscape plants suited to Oklahoma which will benefit the commercial producer, wholesaler and retailer and consumers. 	<p>Project Budget: \$10,844.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Improving the Cold Tolerance and Drought Performance for Oklahoma Sod Production</i> Partner with Oklahoma State University to improve bermudagrass cultivars and increase the profitability for Oklahoma sod producers through the planting, cultivating, and growing of bermudagrass cultivars which will enable them to identify and select sod-type bermudagrass cultivars with improved field drought performance and cold tolerance for Oklahoma. 	<p>Project Budget: \$60,464.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Vegetable Variety and Fertility Evaluation for Organic Hoop House Production</i> Partner with Oklahoma State University to increase knowledge of which vegetables varieties are best suited for hoop house growing, which fertilizer and pesticides to use, and establish guidelines for farmers on suitable practices to avoid food safety hazards and increase productivity by conducting trials on these items and testing the growers through surveys. 	<p>Project Budget: \$30,726.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Native Medicinal Plants as Cash Crops</i> Partner with Kingdom Creations to optimize growing, harvesting, drying, and storing Echinacea by establishing a protocol for this, which will maintain high levels of medicinal activity in the dried plants, resulting in a sustainable cash crop. 	<p>Project Budget: \$36,850.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Specialty Crop Professional Development for Educators</i> Collaborate with the Oklahoma Ag in the Classroom to increase educators' knowledge of Oklahoma grown specialty crops through workshops, farm visits, farmers' market tours, and orchard visits and providing hands-on instruction and connection to specialty crop resources and lessons that can be taken back to the classroom to educate students on local specialty crops and healthy eating habits. 	<p>Project Budget: \$29,539.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Farmers Market Garden Grants</i> Build consumer awareness about OK Grown fresh fruits and vegetables by continuing a statewide promotional campaign including local promotional grants, and advertisements to increase awareness of Oklahoma's specialty crops. 	<p>Project Budget: \$55,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Plasticulture Garden Grants</i> Increase access of season extension technology to limited resource farmers raising specialty crops by continuing to fund participation in a plasticulture program, assisting in the installation of up to one acre of plasticulture, and funding irrigation systems and plastic installation to expand the selection of fruits and vegetables grown in Oklahoma. 	<p>Project Budget: \$61,400.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Farm to School Specialty Crop Awareness Project</i> Increase awareness and knowledge of specialty crops for school foodservice professionals by offering a hands-on educational workshop complete with knowledgeable specialty crop speakers and child nutrition directors who effectively use specialty crops in their school foodservice operations. 	Project Budget: \$20,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>U-Pick Marketing Promotion</i> Increase awareness of Oklahoma U-pick operations, which will lead to an increase in the number of visitors and therefore also increase specialty crop sales at Oklahoma U-Pick operations by launching a seasonal marketing campaign to educate consumers at the U-Pick farms about the rules and best tips and tricks of how to pick the fruit and how to navigate the gardens and orchards. 	Project Budget: \$80,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Specialty Crop Educational Video</i> Collaborate with the Oklahoma Ag in the Classroom to increase knowledge and consumption of local specialty crops by promoting and using Ag in the Classroom specialty crop educational, storytelling video demonstrations, such as Oklahoma’s Bountiful Harvest, Harvest of the Month I and II poster sets, specialty crop SmartBoard lessons, Fruit and Vegetable lesson booklets (Pumpkins, Squash and Other Cucurbits; Oklahoma’s Roots and Leafy Greens; Oklahoma’s Berry Best; A Field of Beans; Marvelous Melons; and The Nightshades). 	Project Budget: \$20,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Specialty Crop-opoly Game</i> Collaborate with the Oklahoma Ag in the Classroom to increase knowledge and awareness of specialty crops and their nutritional values for both students and teachers by providing a meaningful hands-on resource and connection to specialty crop resources and lessons that can be taken back to the classroom for use in educating students. 	Project Budget: \$30,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$48,479.52

Oregon Department of Agriculture

Amount Awarded:	\$1,960,412.83	Number of Projects:	30
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<ul style="list-style-type: none"> • <i>(ODA 001) Onion Smut Survey in Malheur County</i> Re-establish market access for Malheur County onions to Australia by conducting a three year survey of Malheur County onion fields to determine if onion smut is actually present. 	Project Budget: \$46,989.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA 002) Oregon International Culinary Ambassador Program</i> Increase awareness and knowledge of Oregon specialty crop products, including berries, wine, cider, and hazelnuts, in Northern Europe and Japan by facilitating expert panels, tabletop showcases, food preparation demonstrations, and hands-on farm experiences. 	Project Budget: \$65,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA 003) Celebrate Oregon Agriculture Fruits, Vegetables, Tree Nuts, Nursery Stock and Other Specialty Crops</i> Increase the amount of Oregon specialty crops that parents and caregivers of school aged children buy, prepare and eat by using media and relevant hands-on experiences to enhance parents’ awareness of and attitudes towards Oregon grown fruits, vegetables, nuts, and nursery crops. 	Project Budget: \$99,638.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA 004) NW Food Buyers’ Alliance: Cultivating Large-Scale Regional Demand for Oregon Grown Fruit, Vegetables & Tree Nuts</i> Increase market demand for Oregon grown fruits, vegetables, and tree nuts by large-scale food buyers, primarily foodservice operators (i.e., hospitals, universities, corporate cafes and event venues), multi-location restaurant chains, and regional retailers in Oregon and southwestern Washington by facilitating networking and best-practice sharing and providing education and support for overcoming known barriers. 	Project Budget: \$76,629.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA 005) Systems Approach and Marketing Strategy for Oregon Christmas Tree Exports</i> Increase sales of Oregon Christmas trees and to initiate sales of fresh cut ornamental greens to buyers and distributors in Asia and Central America by introducing plant health officials in export destination countries to industry-wide best management practices or a systems approach to control quarantine pests in Oregon Christmas trees. 	Project Budget: \$75,116.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>(ODA S06) Clackamas Food System ONEStop Virtual Partnership</i> Partner with Clackamas County, in collaboration with Ecotrust and FCS Group, to increase the service delivery efficiency of ONEStop partners to specialty crop food growers participating in the regional food system by building a virtual farm gate or “go to” resource for specialty crop growers to access technical assistance, education, marketing and other services they need to be a more successful operation. 	<p>Project Budget: \$30,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S07) Expanding the Market for Vegetable CSAs with Institutional Partnerships</i> Partner with the Friends of Zenger Farms to connect more Oregon vegetable farmers to consumers through direct marketing and distribution by creating a training program and toolkit to facilitate the replication of partnerships between institutions and vegetable farmers who operate a Community Supported Agriculture (CSA) program. 	<p>Project Budget: \$68,392.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S08) Fresh is Best: Improving Direct Sales of Vegetable and Berries</i> Partner with Gorge Grown Food Network’s to increase direct-to-consumer channels for vegetable and berry producers in Hood River, Wasco, and Sherman counties in Oregon by developing and launching a cohesive, regionally focused marketing plan focused on increasing direct-to-consumer sales of locally grown vegetables and berries; connecting producers that want to collaborate on coordinated production planning as a way to more efficiently meet demand for direct-to-consumer products; and hosting four vegetable and berry focused agritourism events. 	<p>Project Budget: \$56,107.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S09) Columbia Gorge Cider Makers Expansion Support</i> Partner with the Mid-Columbia Economic Development District to increase recognition of the Mid-Columbia region as a premier cider-producing area with unique, local inputs, and experiences to support increased cider production by creating a blueprint that can be used as a foundation by regions both in Oregon and throughout the country to identify the most useful strategies for their areas in terms of cider marketing activities and events as well as organization formation. 	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S10) Create Production Standards for the Northwest Cider Industry</i> Partner with the Northwest Cider Association to increase the competitiveness, quality, sales, and value of Northwest apples, pears, juice, cider and perry by creating a set of standards will serve as a prerequisite to educating consumers and provide a framework to explain what is special and unique about each type of cider. 	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S11) Market Development of a Value-added Sweet Cherry</i> Partner with the Oregon Cherry Growers, Inc. to expand existing markets with viable new opportunities for sweet cherries that benefit growers Oregon by investigating market opportunities and determining types of new value-added sweet cherry products, not currently offered, that appeal to consumers. 	<p>Project Budget: \$44,727.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S12) Promotion of U.S. Grown Public Hop Varieties to Domestic Brewers</i> Partner with the Oregon Hop Commission to increase the production (acreage) of public hop varieties in the United States by promoting them to large and small brewers by building a searchable web based database that hop growers and breeders will be able to navigate easily and evaluating some public variety advanced selections that have the potential of being released as a new variety. 	<p>Project Budget: \$94,134.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S13) Farm to Science: Celebrating Oregon Fruits, Vegetables, and Culinary Herbs and Spices</i> Partner with the Oregon Museum of Science and Industry to increase the public’s awareness of and interest in Oregon’s vibrant specialty crop industry, which will promote increased sales of selected specialty crops by developing, implementing, and sustaining community engagement workshops, trainings, and educational experiences. 	<p>Project Budget: \$74,009.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S14) Oregon Potato Promotions in Vietnam</i> Partner with the Oregon Potato Commission to increase Oregon potato export sales to Vietnam by conducting a retail potato promotion through a chain of grocery stores in Ho Chi Minh City and Hanoi. 	<p>Project Budget: \$35,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S15) Baking Seminars for Food Professionals in Hong Kong</i> Partner with the Oregon Raspberry and Blackberry Commission to increase sales of Oregon raspberries and blackberries to the Hong Kong market through hosting a series of seminars promoting the use of raspberries and blackberries as ingredients for the baking industry in Hong Kong. 	<p>Project Budget: \$71,970.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(ODA S16) Growing Agripreneurs Phase III: Training the Next Generation of Farmers</i> Partner with Oregon State University Extension Small Farms to increase the number of successful specialty crop farms in southern Oregon by providing comprehensive training and education for beginning specialty crop growers that integrates classroom experience, hands-on mentoring, farm business planning, and marketing support. 	<p>Project Budget: \$56,055.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S17) Native Plants: Connecting Growers with Gardeners and Landscape Professionals</i> Partner with Oregon State University to increase awareness of Oregon’s native plant specialty crops by developing educational material that promotes understanding and appreciation of the ecological benefits of planting natives and supports their successful incorporation into gardens and landscapes. 	<p>Project Budget: \$83,165.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S18) Promoting Specialty Crops through Enhancement of Bee Pollinator Health</i> Partner with Oregon State University to increase awareness about risks to pollinators and best management practices for promoting their health by evaluating impacts on honeybees and native bumble bees, of pesticide residues in specialty crop pollen and nectar and determining if the negative consequences are further confounded by other factors such as plant stress. 	<p>Project Budget: \$90,670.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S19) Validation of Propylene Oxide to Inactivate Salmonella on Hazelnuts</i> Partner with Oregon State University to improve food safety associated with hazelnuts by investigating and validating a commercial propylene oxide (PPO) process that reduces >5 log CFU/g of Salmonella on in-shell hazelnuts and kernels. 	<p>Project Budget: \$56,761.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S20) Safe Production of Onion</i> Partner with Oregon State University to enable the U.S. Food and Drug Administration to recognize that dry bulb onions can be produced with a low risk to human health, using current practices with little or no modification by determining the impact of contaminated irrigation water on the relative safety of dry bulb onions produced using drip and furrow irrigation and evaluating potential solutions that could mitigate any risk associated with contaminated irrigation water. 	<p>Project Budget: \$98,570.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S21) Development of Value-Added Applications of Fruit and Wine Grape Pomace</i> Partner with Oregon State University to develop value-added utilizations of specialty crop fruit pomace and wine grape pomace as functional food ingredients by developing economically feasible drying method for preserving wet pomace; evaluating fruit pomace as functional food ingredients (rich source of dietary fiber and phenolics) in different food systems; developing fully biodegradable pomace bio composites and study their functionalities; and examining industrial scale applications of developed pomace bio composites as biodegradable packaging containers. 	<p>Project Budget: \$80,228.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S22) Fresh Strawberry Expansion Using Grower Bulletins and Field Production Demonstration</i> Partner with the Oregon Strawberry Commission to encourage and assist present and future Oregon strawberry growers to profitably produce fresh strawberries by providing growers specific guidance concerning production and marketing fresh strawberries through workshops and demonstrations of growing techniques as well as a bi-monthly bulletin to growers that will help them make better informed decisions about fresh strawberry varieties, market trends, and pest management. 	<p>Project Budget: \$27,690.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S23) Growing the Market for Oregon Organic/Transitioning Specialty Crop Growers</i> Partner with Oregon Tilth to help Oregon specialty crop producers obtain a larger share of the market for organic produce characterizing unmet wholesale demand for eight to 12 Oregon-grown organic and transitional specialty crops by conducting a detailed gaps analysis with major buyers; informing and educating Oregon growers about wholesale market opportunities for these crops and strategies and resources for accessing this market; and identifying purchasing strategies and transactions for buyers and lenders to increase supply by investing in organic and transitioning specialty crop growers to successfully transition and expand. 	<p>Project Budget: \$33,831.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(ODA S24) Oregon Wine Experience Mobile Application</i> Partner with the Oregon Wine Board to increase awareness and therefore sales of Oregon wine through target wholesalers, retailers, and restaurants by providing a convenient, interactive and accessible tool to communicate the story of why Oregon is one of the world’s premier wine regions. 	<p>Project Budget: \$66,140.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(ODA S25) Leveraging Mobile and Social Media for Oregon Christmas Trees</i> Partner with the Pacific Northwest Christmas Tree Association to raise consumer awareness of choose and cut farms and retail lots supplying Pacific Northwest-grown Christmas trees while generating a positive message about real Christmas trees by developing a strategic marketing plan; promoting a positive message of family farms and real Christmas trees; and exploring alternative markets for small growers of Christmas trees. 	Project Budget: \$43,744.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA S26) Putting Pears on the Menu: Increasing National Restaurant Pear Usage</i> Partner with the Pear Bureau Northwest in collaboration with the Washington State Department of Agriculture to increase overall Northwest pear sales by increasing foodservice sales to national, multi-unit restaurants through a multi-state marketing campaign that will perform a qualitative research study; participate in three annual foodservice gatherings; and conduct an event for foodservice chefs featuring classroom time with a leading post-harvest ripening and handling expert, orchard tours with local growers, and visits to packing and shipping facilities. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA S27) Steps to Success: Institutional Marketing Guide for Oregon's Produce Farms</i> Partner with the Corvallis Environmental Center to increase the number of small and beginning fruit and vegetable farmers in Benton and Linn counties selling to local institutions by identifying barriers to institutional markets, detailing steps to overcome these barriers, providing comprehensive and intensive training to specialty crop farmers, and creating a "Steps to Success: Institutional Marketing Guide for Oregon's Produce Farms" for use in future trainings and programs. 	Project Budget: \$95,227.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA S28) Evaluation of an Alternative Irrigation Water Quality Indicator</i> Partner with the Center for Produce Safety Foundation, in collaboration with the University of California, Davis and the University of Arizona, to develop data to support collective expert evaluations for the replacement of quantitative irrigation water standards based on generic E. coli with a semi-quantitative threshold based on a designed risk-assumption Limit of Detection based on either E. coli and/or Bacteroides as an improved indicator system for acute and chronic fecal contamination. 	Project Budget: \$38,232.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(ODA S29) Supporting School Districts in Purchasing and Promoting Oregon Specialty Crops</i> Partner with Willamette Farm and Food Coalition to increase purchases of Oregon-grown specialty crops by Oregon schools by providing trainings on finding, buying and promoting Oregon-grown fruits and vegetables in diverse geographic regions around the state including eastern Oregon, southern Oregon, central Willamette Valley, and the northern Oregon coast. 	Project Budget: \$45,759.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$155,981.89

Pennsylvania Department of Agriculture

Amount Awarded:	\$1,044,976.80	Number of Projects:	21
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<ul style="list-style-type: none"> • <i>IPM for Amish and Mennonite Greenhouse, High Tunnel and Field Vegetable Farms in York County</i> Change the control habits of commercial greenhouse and high tunnel vegetable Amish and Mennonite growers to balanced and sustainable integrated pest management (IPM) methods that will lead to reduction in pesticides in York County through mentorship on the farm from transplant until harvest. 	Project Budget: \$51,669.00 Indirect Costs: \$4,133.00
<ul style="list-style-type: none"> • <i>Identify Potato Varieties for Par-Frying for the Pennsylvania Potato Industry</i> Partner with the Pennsylvania Co-Operative Potato Growers, Inc. to increase the yield of local pan-frying potato varieties through collecting data on potential pan-fry varieties, evaluating germplasm for pan-frying, and recommending potato varieties. 	Project Budget: \$96,579.00 Indirect Costs: \$3,726.00
<ul style="list-style-type: none"> • <i>Improving Tomato Profitability through Refining Foliar Nutrition Applications</i> Partner with Pennsylvania State University to determine whether or not specific foliarly applied nutrients benefit plant and fruit growth through foliar treatments, plant analysis and evaluation of fruit for quality and yield. 	Project Budget: \$29,831.00 Indirect Costs: \$2,596.00

<ul style="list-style-type: none"> • <i>Peach Nutrition & Promotion Campaign – Year 2</i> Partner with the National Peach Council to reduce grower loss and increase consumption and awareness among consumers by enhancing the local/regional market, promoting peaches, and providing marketing and promotional tools. 	<p>Project Budget: \$63,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Keep Tasting on the Pennsylvania Wine Trails - The Ultimate Agritourism Experience</i> Partner with the Pennsylvania Wine Association to increase awareness of and visitation to the Pennsylvania wine trails by creating new, up-to-date, accessible wine trail itineraries, increase web visitation. 	<p>Project Budget: \$40,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>PA Preferred Culinary Connection with focus on promoting Pennsylvania Specialty Crops</i> Partner with Strategic Culinary Connection to encourage citizens to select fresh, locally grown specialty crops through highlighting specialty crops at the PA Preferred Culinary Connection cooking demonstrations at the Pennsylvania Farm Show. 	<p>Project Budget: \$47,330.00 Indirect Costs: \$2,670.00</p>
<ul style="list-style-type: none"> • <i>Packaged Processed Apple Product Innovation Marketing Research</i> Partner with the Pennsylvania Apple Marketing Program (PAMP) to increase demand for Pennsylvania processing apples by conducting market research that identifies, qualifies, and quantifies new consumer product innovation ideas/opportunities for processed apples and making the research available to apple processors in Pennsylvania for product development and marketing. 	<p>Project Budget: \$30,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Sustainable Production, Pest Management, and Market Innovations for Next Generation Specialty Crop Producers from Diverse Backgrounds</i> Partner with Pennsylvania State University to increase the supply of local food and increase crop value to the local economy through teaching young specialty crop family members and Latino horticulturists in targeting local niche and value-added markets, increasing environmental and socio-economic sustainability, and developing pest control strategies to safeguard the environment. 	<p>Project Budget: \$71,431.00 Indirect Costs: \$6,214.00</p>
<ul style="list-style-type: none"> • <i>Marketing and Accessing More Specialty Crops in Fayette County</i> Partner with Fay-Penn Economic Development Council to increase the number of consumers purchasing locally grown fruits and vegetables, educate consumers about the health benefits of eating locally grown fruits and vegetables, and increase sales of locally produced fruits and vegetables through: monitoring the number of people attending Fayette County farmers’ markets that are purchasing fruits and vegetables; developing a marketing plan to encourage the consumption of locally grown fruits and vegetables; and developing a brochure on health benefits of eating locally grown fruits and vegetables. 	<p>Project Budget: \$30,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Developing Ecologically-Based Tree Fruit IPM Programs that Conserve Managed and Wild Pollinators</i> Partner with Pennsylvania State University to improve the understanding of the effects of pesticide applications on honey bees and other pollinators in fruit crops by investigating the link between pesticide applications in commercial tree fruit orchards in Pennsylvania and pesticide exposure to honey bees and other pollinators. 	<p>Project Budget: \$49,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Small Apples, Big Impact: Connecting Cosmetically Imperfect Specialty Crops to Farm to School Programs</i> Partner with the Food Trust to increase purchasing and serving of Pennsylvania specialty crops in Upper Moreland School District (UMSD) by enhancing farm-to-school purchasing practices for cost-efficiency and menu variety at UMSD; exposing more K-12 children to healthy, delicious Pennsylvania specialty crops through the school meal program; providing farmers with a new market for cosmetically imperfect fruit and vegetable specialty crops for waste reduction and the recouping of input costs; and evaluating best practices and share the model with other farmers and school food buyers in Pennsylvania and the Mid-Atlantic region. 	<p>Project Budget: \$37,040.00 Indirect Costs: \$2,960.00</p>
<ul style="list-style-type: none"> • <i>Increasing the Food Safety Practices among the Specialty Crop Producers</i> Increase the number of U.S. Department of Agriculture Good Agriculture’s Good Agricultural Practices (GAP)/and Good Handling Practices (GAP/GHP), Mushroom Good Agricultural Practices (MGAP), and Harmonized GAP audit requests to be performed through conducting outreach activities and workshops. 	<p>Project Budget: \$50,759.35 Indirect Costs: \$1,000.00</p>
<ul style="list-style-type: none"> • <i>Farm Succession for Specialty Crop Growers in Western Pennsylvania</i> Partner with Pennsylvania Farm Link, Inc. to increase the number of specialty crop farmers in western Pennsylvania that have farm succession plans in place by holding two succession workshops and providing follow up facilitation to specialty crop farm families. 	<p>Project Budget: \$22,152.00 Indirect Costs: \$1,772.00</p>

<ul style="list-style-type: none"> • <i>Turning on Natural Pest Resistance in Tomato and Pepper Using Seed Treatments</i> Partner with Pennsylvania State University to develop and test a natural product seed treatment that will protect tomato/pepper plants from insect pests throughout the growth cycle by treating seeds with jasmonic acid or jasmonic oil and monitoring growth. 	<p>Project Budget: \$55,002.00 Indirect Costs: \$4,784.00</p>
<ul style="list-style-type: none"> • <i>Vegetable Industry Strategic Planning Implementation</i> Partner with Pennsylvania Vegetable Growers Association (PVGA) and Pennsylvania Vegetable Marketing and Research Program (PVMRP) to enhance the future viability of Pennsylvania’s vegetable industry by increasing participation in PVGA-sponsored education and outreach activities, increasing visit counts on web-based media platforms, increasing sales in volume for PVMRP growers, developing a work crisis management plan, facilitating certification of non-Good Agricultural Practices (GAP) certified growers, and supporting group-GAP certification efforts. 	<p>Project Budget: \$60,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Education Assistance Program for Specialty Crop Growers</i> Increase attendance at and access to educational opportunities and increase knowledge and application of relevant skill areas through promotion and provision of assistance for specialty crop growers to attend educational opportunities that will allow them to increase productivity, respond to changing market needs, address regulatory issues, and increase skills in finance and business economics. 	<p>Project Budget: \$30,556.00 Indirect Costs: \$2,444.00</p>
<ul style="list-style-type: none"> • <i>Improved Management of Onion Bacterial Diseases Through Increased Understanding of Pathogen Epidemiology and Research Based Management Strategies</i> Partner with Pennsylvania State University to increase the number of integrated and targeted research-based management tools available to growers for managing bacterial diseases of onion through evaluating efficacy of using treatments to manage bacterial pathogens, evaluating application timing and reduced nitrogen rates on marketable yield, evaluating susceptibility of onion cultivars, developing scouting guidelines and establishing visual disease thresholds. 	<p>Project Budget: \$46,000.00 Indirect Costs: \$4,000.00</p>
<ul style="list-style-type: none"> • <i>Expanding Best Practice Programs in the Mushroom Industry</i> Partner with the American Mushroom Institute to increase mushroom safety for the public by increasing farmworker, supervisor and mushroom producer knowledge of best practices programs in the areas of food and farmworker safety. 	<p>Project Budget: \$55,200.00 Indirect Costs: \$4,800.00</p>
<ul style="list-style-type: none"> • <i>Workplace Safety Training for the Mushroom Industry</i> Partner with the Chester County Economic Development Foundation to have mushroom industry employees within southeastern Pennsylvania participate in workplace safety training through scheduling and implementation of updated trainings and distribution of updated resources 	<p>Project Budget: \$55,200.00 Indirect Costs: \$4,800.00</p>
<ul style="list-style-type: none"> • <i>Enhanced Preparedness against Pathogens that Threaten Specialty Crop Production and Markets</i> Partner with Pennsylvania State University to improve data and tools that support the rapid identification and detection of pathogens by identifying Phytophthora and Pythium isolates cultured from clinical samples analyzed; developing comprehensive diagnostic resources for Phytophthora and Pythium, including versatile identification keys based on a combination of morphologies, genetic markers, and hosts and molecular diagnostic tools; and providing new services for Phytophthora and Pythium species identification in plant and irrigation water samples, as well as, testing services for fungicide resistance in these isolates. 	<p>Project Budget: \$67,155.00 Indirect Costs: \$5,845.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$285.57 Indirect Costs: \$0.00</p>

Departamento de Agricultura de Puerto Rico

Amount Awarded:	\$524,511.15	Number of Projects:	9
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<ul style="list-style-type: none"> • <i>Participation in Local & International Events to Provide Market Access for Local Specialty Crop Products</i> Increase sales of Puerto Rico’s specialty crops and increases exposure of its specialty crop products by participating in local and international trade shows and fairs, which allows access into the United States, Europe, and other international markets. 	<p>Project Budget: \$180,000.00 Indirect Costs: \$0.00</p>
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<ul style="list-style-type: none"> • <i>Delpais Brand Advertising to Increase Sales of PR Specialty Crops Products Identified by the Seal</i> Increase exposure of local specialty crop products by implementing an advertising campaign (Delpais) that will use advertisements via television, radio, newspapers, and magazines. 	Project Budget: \$202,881.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Placita en Plaza: Farmers Markets at Plaza Las Américas and Plaza del Caribe Shopping Malls</i> Increase sales and awareness of Puerto Rican specialty crops providing support for specialty crop producers at the Plaza Las Americas and the Plaza del Caribe farmers' markets. 	Project Budget: \$58,340.50 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Proposal for the Increase in the Production of Honey in Puerto Rico</i> Increase the number of hives in active production and yield in volume of honey produced through the construction and management of at least 500 hive boxes in a collaborative effort among Commonwealth of Puerto Rico governmental agencies, while also training apiarists, agronomists, and prison inmates in apicultural practices. 	Project Budget: \$17,609.50 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Coffee Sun Dryer; Demonstrative and Educational Project (Renewable Energy)</i> Partner with Finca el Sol de Joaquin, Inc.-Café Nativo to increase competitiveness of coffee farmers and expand their opportunities in the south region of Jayuya and nearby cities by demonstrating coffee drying technology. 	Project Budget: \$7,945.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Artisan Lettuce and Strawberries</i> Partner with Centro de Adiestramiento para Personas con Impedimentos, Inc. to strengthen the production and marketing of lettuce and strawberries by providing business training with specialized knowledge, individual counseling, and support in hydroponics. 	Project Budget: \$20,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>A New Method for the Production of the European Bee</i> Partner with the Beekeeper Nucleus of Puerto Rico, Inc. to enhance the pollination of specialty crops and create an industry of honey based in good quality to ensure the health of the citizens by establishing new European bee colonies and keeping their characteristics pure and separated from Africanized bee characteristic genes, and to protect the bees from all the different acari and viruses that affect the bee. 	Project Budget: \$10,452.24 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Formal Research on Development of Tomato Seeds, Nutrients and Pesticides for the Organic Approach Cultivation under the Environmental Conditions of Pu</i> Partner with Agroempresas Ke'Verde, Inc. to provide new and better varieties of seeds of tomato to hydroponic farmers in the mountainous region, assist small farmers in Puerto Rico with training on cultivation practices, the selection and effective use of nutrients, and the selection and adequate use of pesticides for the control of pests and diseases in hydroponic crops of tomatoes under an organic approach. 	Project Budget: \$19,426.76 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>"Community Fertilizer" Vermicomposting Contribution to Specialty Crops</i> Partner with FSCC, Inc. (Organia Farms) to improve the competitiveness of farmers through the use and application of vermicomposting by reducing the uncertainty faced by producers of specialty crops in Puerto Rico, who depend entirely on imported fertilizers which have high price volatility in the market and are often scarce. 	Project Budget: \$6,000.00 Indirect Costs: \$0.00

Rhode Island Division of Agriculture

Amount Awarded:	\$255,752.76	Number of Projects:	8
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<ul style="list-style-type: none"> • <i>Food Safety: From Farming to Direct Marketing</i> Partner with the University of Rhode Island to improve food safety by providing growers with food safety resources, on-farm consultations and Rhode Island Good Agricultural Practices (GAP) certification and recertification opportunities. 	Project Budget: \$34,956.00 Indirect Costs: \$2,796.00
<ul style="list-style-type: none"> • <i>Outreach, education, and technical assistance to increase production and consumption of certified organic specialty crops in Rhode Island</i> Partner with the Northeast Organic Farming Association of Rhode Island to increase the number of specialty crop producers who are certified organic and increase the efficiency and profitability of farms that produce specialty crops using certified organic methods by providing organic advisors to assist producers in the certification process. 	Project Budget: \$9,500.00 Indirect Costs: \$800.00

<ul style="list-style-type: none"> • <i>El Puente a la Salud</i> Partner with the New Urban Farmers and the Pawtucket Housing Authority to promote the use of specialty crops and help address the epidemic of obesity amongst Latinos by providing hands-on demonstrations and workshops, a mobile market and community gardens. 	Project Budget: \$33,700.00 Indirect Costs: \$1,700.00
<ul style="list-style-type: none"> • <i>The Rhode Island Farm to Cafeteria Project</i> Partner with Farm Fresh Rhode Island to increase the sales of Rhode Island grown specialty crops in cafeterias by educating food service buyers and chefs on specialty crop availability, conducting a “Harvest of the Month” print marketing campaign to promote the crops, and enhancing the Market Mobile program to serve more institutional purchasers. 	Project Budget: \$40,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>RI Division of Agriculture “Get Fresh Buy Local” Marketing Improvement Program</i> Increase sales of Rhode Island specialty crops by expanding marketing efforts of specialty crops at farmers’ markets, including produce preparation demonstrations. 	Project Budget: \$71,957.19 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Protecting Honey Bees from the Small Hive Beetle in Rhode Island</i> Partner with Rhode Island College to increase the size of the bee population in Rhode Island by protecting honey bees from the small hive beetle (SHB) through a rigorous survey of the health and size of the state’s honeybee populations, outreach to the public to promote beekeeping and bolster bee populations, and the development of mitigation strategies to reduce the impact of the SHB. 	Project Budget: \$21,052.00 Indirect Costs: \$1,684.00
<ul style="list-style-type: none"> • <i>De-Tasseling Sweet Corn to Prevent Bird Damage: An Alternative to Cannons?</i> Partner with the University of Rhode Island to prevent bird damage to sweet corn by studying the efficacy of removing the tassel from sweet corn plants after pollination as compared to the use of bird cannons. 	Project Budget: \$28,886.00 Indirect Costs: \$2,512.00
<ul style="list-style-type: none"> • <i>Harvest New England</i> Partner with the Connecticut Department of Agriculture and Harvest New England Association, Inc. to break down the barriers to regional specialty crop purchases by educating producers at the Harvest New England Agricultural Marketing Conference and Trade Show, educating consumers at Harvest New England Days, and connecting wholesale buyers with wholesale specialty crop producers through five matchmaking meetings. 	Project Budget: \$6,000.00 Indirect Costs: \$0.00

South Carolina Department of Agriculture

Amount Awarded:	\$601,985.83	Number of Projects:	20
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<ul style="list-style-type: none"> • <i>A Rebranding and Re-Launch Initiative for the South Carolina Fruit, Vegetable and Specialty Crop Association</i> Partner with the South Carolina Fruit, Vegetable and Specialty Crop Association to increase the visibility of South Carolina specialty crops by rebranding the association and focusing its media presence thereby clearly representing the state’s specialty crop producers. 	Project Budget: \$11,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Increasing Specialty Crop Consumption Through Mobile Markets</i> Partner with Hub City Farmers Market to create better access to healthy and local food, particularly for people in food deserts, increase sales of specialty crops to Supplemental Nutrition Assistance Program (SNAP) recipient, and provide a steady outlet for local farmers by enhancing the capacity and resources of the Mobile Market. 	Project Budget: \$19,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>GrowFood Carolina: SC’s Specialty Crop Hub</i> Partner with the Coastal Conservation League to increase the competitiveness of small-scale specialty crop production and help create a stronger rural economy by managing the increased volume of specialty crops being distributed through the local food hub and managing the greater number of specialty crop farmers participating in the food hub. 	Project Budget: \$25,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Growing Farmers and Local Food</i> Partner with Lowcountry Local First to increase the number of consumers eating specialty crops and increase the number of specialty crop growers by undertaking a strategic marketing campaign promoting the “Growing New Farmers” program. 	Project Budget: \$18,760.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Pee Dee Region Food Hub Development</i> Partner with the Palmetto AgriBusiness Council increase sales for specialty crop producers within local food retail outlets by providing information to the agricultural community about the benefits and potential markets for specialty crops that could result from participating in a local food system. 	<p>Project Budget: \$87,056.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Improving Control of Southern Blight and Minimizing Losses in Tomato Crops with Use of Effective Fungicides</i> Partner with Clemson University to reduce the number of diseased plants lost to Southern blight and increase by 50% the fruit produced on plants grown in infested fields by comparing 7 fungicides currently labeled to control Southern blight on tomato, finding out when fungicides must be applied to work the best, and developing one or more spray programs for Southern blight that follow the label requirements for rotation of active ingredients. 	<p>Project Budget: \$29,999.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Management of a New Strain of Alternaria alternata Resistant to Key Fungicides</i> Partner with Clemson University to design new and effective fungicide-based control options by determining the genetic basis of resistance, identifying effective chemical classes of fungicides, and designing new and effective spray strategies for Alternaria fruit rot (AltFR) disease prevention. 	<p>Project Budget: \$12,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Enabling Marker-Assisted Breeding for Fruit Size in Peach</i> Partner with Clemson University to develop a larger peach by using a wide and diverse set of germplasm to accumulate many traits together into a single cultivar and distribute these findings to producers in order to potentially bring this new product to market. 	<p>Project Budget: \$23,897.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Research Projects, Educational Events and Field Days to Improve Grower Production Management Skills</i> Partner with the South Carolina Watermelon Association to improve watermelon grower production management skills by sponsoring specialty crop research and generating unbiased science based information, promoting watermelon production through watermelon field days open to the public, and providing educational events for growers and consumers 	<p>Project Budget: \$15,424.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>The Ornamental Horticulture Education Project 2014-15</i> Partner with the South Carolina Nursery and Landscape Association to provide the nursery and greenhouse growers' information on current trends and problems within the industry by providing a variety of programs that offer valuable information on these topics to the industry. 	<p>Project Budget: \$13,800.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>A Portable Demonstration Kitchen Used to Teach People How to Cook Fresh Fruits and Vegetables</i> Partner with the Catawba Indian Nation to help small specialty crop farmers expand their business and improve the nutrition of this community by using a portable cooking demonstration station that encourages customers to cook the fresh produce available at the farmers' market. 	<p>Project Budget: \$14,700.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Organic Farming Conservation Outreach Project</i> Partner with Carolina Farm Stewardship to increase the number of South Carolina producers transitioning to organic production in order to take advantage of new markets for organic specialty crops by retaining a Natural Resource Conservation Services certified Technical Service Provider on staff to write Conservation Activity Plans, provide direct consulting to producers who are seeking USDA Organic Certification, and provide workshops on organic production practices. 	<p>Project Budget: \$58,888.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>VeggieFest 2015</i> Partner with the Freewoods Foundation to promote the sale and consumption of fresh locally grown vegetables, provide information on the health value of eating more vegetables, and provide information on how to cook and grow them in one's own yard by holding three events that promote the use of vegetables that bring diverse groups together to discuss these benefits of vegetables. 	<p>Project Budget: \$4,450.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>The Development of a Niche Market for the Distribution of Asparagus in South Carolina</i> Partner with the People's Farmer Cooperative to increase the sale of South Carolina asparagus by holding workshops throughout the area educating producers as well as the general public at large about the health benefits of this produce. 	<p>Project Budget: \$23,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Marketing Campaign Promoting South Carolina Watermelons - One Year Program</i> Partner with the South Carolina Watermelon Association to increase the consumption of watermelon while providing education regarding its health benefits by promoting the South Carolina watermelon industry to retailers, wholesalers, and to the consuming public via an extensive industry spokesperson program. 	<p>Project Budget: \$15,184.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Financial Assistance to Specialty Crop Producers seeking GAP Certification</i> Increase the number of produce farms that have been through the Good Agricultural Practices (GAP) Food Certification program and received certification in this area by assisting to farms to go through the certification process and as well as helping them test their farm's water quality. 	Project Budget: \$24,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Providing Platforms for the SCDA and SC Specialty Crop Producers at Trade Shows Outside of South Carolina</i> Promote and facilitate the increased sale of South Carolina fruits and vegetables by marketing to industry decision makers who will be key to generating an increase in specialty crop purchases and provide South Carolina specialty crop producers with improved awareness of new consumer trends and opportunities. 	Project Budget: \$45,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Supporting Plant and Flower Shows through the use of Media Advertising</i> Increase the sales of locally grown ornamental plants and flowers by attracting more customers to plant and flower festivals through new ad materials -- including radio, print media, and outdoor boards -- that showcase the six events. 	Project Budget: \$42,192.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Supporting Specialty Crop Growers in all Market Arenas with Targeted Messaging under the Certified SC Grown logo</i> Increase the sale of South Carolina specialty crops for local producer through the development of a marketing campaign for the Certified SC Grown brand on outdoor boards, in store merchandising signage, and point of purchase materials. 	Project Budget: \$66,831.68 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$47,972.32

South Dakota Department of Agriculture

Amount Awarded:	\$292,393.96	Number of Projects:	15
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<ul style="list-style-type: none"> • <i>Development and Demonstration of a Sustainable Off-Grid Smart Vineyard Irrigation System</i> Partner with Piedmont Valley Vineyard and Farm to hone irrigation methodology for grape production in the relatively arid western Great Plains by developing a "smart" irrigation system integrated into a novel off-grid water-harvesting system that will be run entirely by solar power, embedded into a water-harvesting structure to offset the need for an external water supply. 	Project Budget: \$15,380.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Building the Capacity for Increasing the Use of Specialty Crops in School and Institutions with Food Hub Pilot Program in North and South Dakota</i> Partner with Dakota Rural Action to build specialty crop producer capacity working towards simplified ordering, delivery, and strategy plans for growers desiring to produce greater quantities of specialty crops to meet the demand at schools and other institutions by facilitating regional meetings held in schools for food service, Parent-Teacher Organizations, administration, school board, and specialty crop farmers. 	Project Budget: \$24,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Black Hills State University Straw-Bale Greenhouse</i> Partner with Black Hills State University to increase the number of local specialty crop producers and expand consumption of locally grown specialty crops by educating and engaging university and K-8 students and the greater community about how a greenhouse is used to extend the growing season and grow warmer-climate specialty crops. 	Project Budget: \$45,505.00 Indirect Costs: \$3,495.00
<ul style="list-style-type: none"> • <i>Strengthening Fruit & Vegetable Initiatives of Healthy South Dakota</i> Partner with the South Dakota Department of Health to increase the consumption of fruits and vegetables through enhanced marketing strategies including the statewide marketing efforts of the YUM! social media campaign, Healthy Concessions campaign, and Harvest of the Month education materials and community partnerships. 	Project Budget: \$15,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Southeast South Dakota Haskap/Honeyberry Fruit Production Variety Trails</i> Partner with Stewart's Aronia Acres Farm to determine the potential for the profitable production of current available haskaps varieties in South Dakota by documenting the methods and costs of establishment, management, and fruit production of six promising varieties of haskaps in southeastern South Dakota. 	Project Budget: \$9,888.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>2015 South Dakota State Fair Wine Pavilion</i> Increase the awareness of South Dakota wines among consumers by hosting a Wine Pavilion at the South Dakota State Fair. 	<p>Project Budget: \$35,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>The Use of Conservation Strips for Increasing Beneficial Insects and Decreasing Plant Pests in Pumpkin Plantings</i> Partner with South Dakota State University to evaluate the impact of combined trap crops/conservation strips on the presence and functions of beneficial insects and insect pests on cucurbit crops (pumpkins) in South Dakota. 	<p>Project Budget: \$16,225.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Statewide Specialty Crop Growing Local Production Seminar</i> Partner with South Dakota Specialty Producers Association to increase specialty crop farmer knowledge of issues related to their farm-enterprises by initiating a networking and learning event at the South Dakota State Fair dedicated to topics specialty crop growers would be interested in such as soil management, irrigation practices, integrated pest management (IPM), weed management, plant disease management, variety selection, successful farmers' market practices, food safety practices, U.S. Department of Agriculture produce grading standards and high tunnel management practices, value added processing, and marketing. 	<p>Project Budget: \$9,301.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Marketing and Promoting Hops in South Dakota</i> Partner with Dakota Hops, LLC to increase awareness of hop preservation through freeze drying by investigating the preservation and utilization of brewing hops and testing the market frozen hops in South Dakota and Colorado. 	<p>Project Budget: \$8,915.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Canpa Awaku (Bringing Back the Chokecherry)</i> Partner with South Dakota State University Cheyenne River Extension to revitalize the chokecherry among native youth on the Cheyenne River Indian reservation in South Dakota by developing and implementing a well-rounded curriculum that is scientifically based, addressing areas such as soil and plant health, geographic location significance, seasonal growth patterns, and nutritional value of chokecherries. 	<p>Project Budget: \$10,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Lakota Oyate Traditional Foods Sustainable Futures</i> Partner with South Dakota State University Pine Ridge Extension to determine whether a high-tunnel will extend the growing season and volume of native specialty crops by building a high tunnel to cultivate a selection of traditional foods of indigenous tribes of South Dakota to train perspective native specialty crop producers, compare the success of producing these crops in the high tunnel versus outside, and establish baseline communication to create a native growers association on the reservation. 	<p>Project Budget: \$29,027.00 Indirect Costs: \$2,322.16</p>
<ul style="list-style-type: none"> • <i>Buy Fresh Buy Local South Dakota</i> Partner with Buy Fresh Buy Local South Dakota to increase access to fresh fruits and vegetables in rural South Dakota and on reservation communities by training and providing resources for small specialty crop producers that promote locally produced specialty crops, provide workshops for specialty crop producers, and start up specialty crop only farmers' markets. 	<p>Project Budget: \$5,185.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Winyan Toka Win (Leading Lady) Garden</i> Partner with Cheyenne River Youth Project to help youth re-connect to the land, improve overall health and wellness for the Cheyenne River community, and advance efforts to strengthen the specialty crop food system on the Cheyenne River Sioux reservation by establishing a 2 acre community garden that incorporates its produce into existing social enterprises. 	<p>Project Budget: \$20,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>2015 Farmers Market Growers Grant</i> Increase information available for specialty crop producers and industry partners about pricing for fruits and vegetables by adding pricing information to the South Dakota Department of Agriculture's website, which will be collected and published by local farmers' markets. 	<p>Project Budget: \$20,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$7,540.00 Indirect Costs: \$14,565.26</p>

Tennessee Department of Agriculture

Amount Awarded:

\$519,064.90

Number of Projects:

14

<ul style="list-style-type: none"> • <i>Tennessee Tomato Initiative</i> 	<p>Partner with the Tennessee Tomato Initiative to assist Tennessee tomato growers with product movement by creating a marketing infrastructure that includes tradeshow, a marketing website, and business tools.</p>	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Growing Your Business with Marketing and Education</i> 	<p>Partner with the Tennessee Nursery and Landscape Association to enhance the sale of nursery stock and provide educational opportunities for the green industry by facilitating the 2015 Tennessee Green Industry Expo.</p>	<p>Project Budget: \$49,905.50 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Tennessee Christmas Tree Farm Manual and Educational Program</i> 	<p>Partner with the University of Tennessee to aid beginning Christmas tree growers and better ensure their success by developing and publishing a Tennessee Christmas Tree Manual as a production and marketing guide for all potential and current Tennessee Christmas tree growers, which will be complemented by educational workshops.</p>	<p>Project Budget: \$15,286.00 Indirect Costs: \$1,223.00</p>
<ul style="list-style-type: none"> • <i>Reducing the Impacts of Federal Imported Fire Ants Quarantine Regulations on the Tennessee Nursery Industry</i> 	<p>Partner with Tennessee State University to improve the practicality of the existing Federal IFA quarantine post-harvest balled and burlapped root ball drench protocol by developing methods to reduce the number of drenches and lower both labor and chemical costs.</p>	<p>Project Budget: \$46,296.27 Indirect Costs: \$3,703.73</p>
<ul style="list-style-type: none"> • <i>Establishing the White Lightning Wine Trail</i> 	<p>Partner with Seven Springs Winery and Vineyard to increase awareness and recognition of the wine grape industry in Tennessee and also benefit beginning and socially-disadvantaged farmers by establishing the White Lightning Wine Trail to connect local wineries and creating a state-of-the-art website and logo.</p>	<p>Project Budget: \$34,997.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Direct Farm Marketing Initiative</i> 	<p>Increase specialty crop producer knowledge of direct marketing by sending them to the 2015 North American Farmers Direct Marketing Association Conference and Bus Tour.</p>	<p>Project Budget: \$66,000.00 Indirect Costs: \$5,004.26</p>
<ul style="list-style-type: none"> • <i>Improving Northeast Tennessee Buyer-Producer Networks and Building Innovative Marketing Strategies</i> 	<p>Partner with the Appalachian Resource Conservation and Development Council to accelerate the process of local buyers – such as restaurants, schools, distributors, and grocery stores – meeting and doing business with local specialty crop producers by hosting networking events and publishing a regional directory.</p>	<p>Project Budget: \$11,497.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Local Specialty Crop Marketing in Memphis to Increase Sales and Income for Tennessee Specialty Crop Producers</i> 	<p>Partner with Bring It Food Hub to design and implement a local fruit and vegetable marketing strategy that significantly increases demand for locally grown fruits and vegetables and other farm products across demographics in Memphis through advertising to 60,000 targeted consumers, upgrading Bring It's e-commerce platform, and expanding Bring It's farmer network.</p>	<p>Project Budget: \$33,064.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Providing Wholesome but Unmarketable Produce to the Hungry in Northeast Tennessee</i> 	<p>Partner with Second Harvest Food Bank of Northeast Tennessee to foster partnerships with local growers and cover harvest, packing and distribution costs by developing a distribution system for otherwise unmarketable produce to a food bank warehouse.</p>	<p>Project Budget: \$20,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>2015 Youth Urban Farm Training Program</i> 	<p>Partner with the Landmark Training Development Company to increase consumption of specialty crops among Supplemental Nutrition Assistance Program (SNAP) recipients, as well as continue its Youth Urban Farm Training Program, by building dual high wind tunnels to extend the growing season of its specialty crop production, thereby making fresh fruits and vegetables readily available in food desert communities.</p>	<p>Project Budget: \$35,479.24 Indirect Costs: \$2,838.34</p>

<ul style="list-style-type: none"> • <i>Providing Marketing Opportunities for TN Nursery Producers and Garden Centers</i> Partner with the Tennessee Nursery and Landscape Association (TNLA) to increase the visibility of Tennessee grown plants and provide marketing opportunities to growers, landscapers, and garden centers by updating the Tennessee Nursery Buyer’s Guide and the TNLA website as well as participating in the “Plant Something” campaign, which encourages people to be active in their yards and provides information about the benefits of plants. 	Project Budget: \$42,186.80 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Farm to School Nashville, Connecting the Dots</i> Partner with the Community Food Advocates to build access to Tennessee grown specialty crops in Metropolitan Nashville Public Schools (MNPS) by assisting specialty crop farmers in learning the bid submission process for MNPS as well as the opportunities to grow products to meet MNPS’s menu needs. 	Project Budget: \$23,093.40 Indirect Costs: \$1,847.47
<ul style="list-style-type: none"> • <i>Promoting Awareness and Success of West Tennessee Wine Grapes Through a Wine Trail</i> Partner with the West Tennessee Wine Trail to increase the need for wine grape vineyard acreage in Western Tennessee by establishing a marketing campaign that increases awareness of the West Tennessee wine industry, wine grape production, and the quality of Tennessee wines. 	Project Budget: \$24,820.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Tennessee Local Sourcing Foodservice Industry Program (Phase II)</i> Continue into Phase II of the Tennessee Local Sourcing Foodservice Industry Program to foster relationships between Tennessee’s food service operations and agricultural producers and enhance the visibility of locally grown specialty crop markets through trade shows, trainings, and networking events. 	Project Budget: \$46,000.00 Indirect Costs: \$4,000.00

Texas Department of Agriculture

Amount Awarded:	\$1,915,387.71	Number of Projects:	18
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<ul style="list-style-type: none"> • <i>Identifying Superior Pierce’s Disease Resistant Grape Varietals and Rootstocks for Texas</i> Partner with Texas Hill Country Wineries and Texas A&M AgriLife Extension Service to reduce the risk of financial loss, improve grower incomes, and expand rural economic development potential by identifying high quality Pierce Disease resistant varieties of grapes and rootstock. 	Project Budget: \$171,400.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Conserving Water in Rural and Urban Vegetable Farming-Year 2</i> Partner with Uvalde County Underground Water Conservation District (UC-UWCD) and Texas A&M AgriLife Research and Extension Center-Uvalde to determine the economic feasibility of efficient irrigation technologies and management of primarily leafy vegetables by evaluating and comparing water use efficiency and growth of leafy greens (emphasis on lettuce) grown in hydroponic culture systems versus those in open field, then conducting educational programs in all aspects of production, water conserving technologies, and marketing of specialty leafy green vegetables. 	Project Budget: \$51,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Strategies to Promote New Varietals and Grape Growing Acreage of Texas Wind Grapes-Specialty Crop Producers Continuing Education</i> Partner with the Texas Wine and Grape Growers Association, High Plains Winegrowers Association, and Botanical Research Institute of Texas to increase the production of wine grapes and the quality of Texas wine by developing and hosting educational venues, upgrading and launching the Association’s website, and defining and implementing a sustainable winegrowing program in Texas. 	Project Budget: \$27,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Pecan Screening Nursery for Cotton Root Rot Resistance</i> Partner with the Texas Pecan Growers Association and Texas A&M AgriLife Extension Service to continue to increase knowledge of growers about the most susceptible rootstocks and potential for new resistant rootstocks to cotton root rot by informing pecan growers at the Pecan Growers Convention of the results of the cotton root rot evaluation among pecan germplasm being assessed. 	Project Budget: \$31,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Expanded Production of Fruit and Seed for New Enhanced Quality, TAMU Tomato</i> Partner with J & D Produce and Texas A & M (TAMU) AgriLife Research to increase production of tomatoes in Texas with TAMU cultivars by expanding seed production of new hybrids and lines from the TAMU project and producing field trials to continue selection for superior quality (tunnels) for early spring production or winter production. 	Project Budget: \$65,200.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Increasing Profitability and Reducing Insecticide use in Texas Sod Production Through Monitoring of Destructive Insect Pests</i> Partner with the Turf Grass Producers of Texas and Texas A&M Agrilife Extension to reduce damage to turf grass and address the need by turf grass producers to more effectively and cost-efficiently apply insecticides by conducting statewide monitoring of destructive turf grass beetles and moths and developing a list serve for producers so pest alerts can be distributed allowing them to responsibly manage insect pests. 	<p>Project Budget: \$40,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Sustainable Production of Melon and Artichoke Using Eco-Polymers: Does it matter to consumers?</i> Partner with L&L Farms and Texas A&M AgriLife Research & Extension Center to increase the number of conventional and organic growers adopting best production strategies and varieties of specialty melons and artichokes and to increase the number of acres grown for these specialty crops by evaluating commercial varieties of artichoke and specialty melons under conventional and organic production practices, comparing benefits of biodegradable polymer products and irrigation, determining water use efficiency, and conducting workshops and use discrete consumer eye tracking technology experiments. 	<p>Project Budget: \$62,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>North Texas Wine Grape Cultivar and Rootstock Evaluation</i> Partner with Dennison Development Alliance, Texas Wine Growers Association, Grayson College, and Texas A&M AgriLife Extension Service to increase production yields of high quality wine grapes by adopting a cultivar/rootstock combination identified as superior for North Texas through evaluation of the performance of eight wine grape and two rootstock cultivars, analyzing data on vine growth, yield, pest and disease tolerance, and producing an instructional video to serve as a guide for grape growers. 	<p>Project Budget: \$34,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing Consumer Awareness of the Health and Economic Benefits of Buying Texas Vegetables</i> Partner with Texas Vegetable Association to increase awareness and sales of specialty crops by utilizing increased media exposure and in-store demonstrations to educate consumers on the health benefits, availability and freshness of GO TEXAN vegetables. 	<p>Project Budget: \$142,200.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Increasing Sales and Brand Awareness Through Marketing the Quality and Nutrition of Texas Grown Watermelons</i> Partner with the Texas Watermelon Association to increase awareness and sales of Texas grown watermelons by launching a nationwide media and in-store campaigns promoting the product. 	<p>Project Budget: \$138,600.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Feasibility Studies for the Use of Flutrialfol and Different Rootstocks to Control Cotton Root In Texas Winegrape</i> Partner with Texas A&M University to mitigate the effect of Cotton Root Rot by addressing issues needed before flutrialfol can be registered for the treatment of Cotton Root Rot on grapes including application methods, residues of the compound in the vine and fruits, and interactions with grape and rootstock varieties, as well as evaluating a new technique to reduce the time needed to test Cotton Root Rot treatments under controlled experimental conditions. 	<p>Project Budget: \$73,400.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Expanding Advisement and Service Roles Inside the Texas citrus Industry: Grower Outreach in Psyllid Control and HLB Early Detection</i> Partner with Texas Citrus Mutual and Texas Citrus Pest & Disease Management Corporation to decrease the spread of citrus greening disease or Huanglongbing(HLB) in the Rio Grande Valley by hiring an area wide specialist dedicated to educating citrus growers who do not have access or will not access the internet to obtain information to control the spread of HLB. 	<p>Project Budget: \$194,300.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>From Artisanal to Mass Market: Growing Awareness, Trial, and Purchase of Texas Grown Olive Oil</i> Partner with the Texas Olive Oil Council to increase awareness of Texas olive oil production through in store demonstrations and new media on a national scale as well as the establishment of an online Texas Olive Store that offers all Texas producers a new venue to sell and promote their products. 	<p>Project Budget: \$112,200.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>Investigating Management Practices and Varietal Selection for Improving Olive Orchard Productivity and Quality of Fruit</i> Partner with the Texas Olive Oil Council, Texas AgriLife Extension, Texas Tech University, Texas AgriLife Research to increase producer access and knowledge of best management practices for olive trees by determining which varieties of olive trees are best suited to be grown in different areas of Texas through the evaluation of soil conditions, weather conditions, and what fertilization practices accelerate the establishment of early canopy and root growth of newly planted olive trees. 	Project Budget: \$132,300.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Developing Efficient Science Based Irrigation Programs for the Texas Citrus Industry</i> Partner with the Texas International Produce Association, Paramount Citrus, and Texas A&M AgriLife extension to improve irrigation practices by exploring and exposing water use inefficiencies in current accepted industry standards, defining specific protocols for under-utilized irrigation methodologies, and developing an accepted industry consensus on how to effectively and efficiently irrigate Texas citrus. 	Project Budget: \$98,611.00 Indirect Costs: \$7,889.00
<ul style="list-style-type: none"> • <i>Texas Specialty Crops in International Markets</i> Increase awareness of Texas specialty crops and tree nuts among international buyers by creating new opportunities for small businesses to gain exposure for their products, building stronger relationships between small pecan producers and international buyers and traders, and coordinating opportunities for international pecan buyers to meet one on one with producers to discuss price, availability, contract and general trade issues. 	Project Budget: \$68,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Retail Plant and Product Promotions and Consumer Education</i> Increase sales of Texas florist and landscape nurseries by producing and distributing promotional materials, by conducting retail promotions to educate consumers on seasonal produce, plant selection and tips for caring for landscape and floriculture plants, and by implementing a retail grant program that will assist in the showcasing of products and enhancement of competitiveness in the market place. 	Project Budget: \$275,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$79,415.87 Indirect Costs: \$100,000.00

Utah Department of Agriculture and Food

Amount Awarded:	\$340,043.46	Number of Projects:	16
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<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$27,871.46 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Development of Management Strategies to Control Watermelon Mosaic Virus in Cucurbits</i> Partner with Utah State University to provide cucurbit growers with information regarding the use of border rows to help control watermelon mosaic virus by conducting field test plot studies and sharing the results with growers via meetings, presentations, a peer-reviewed journal article, field days, and the Utah State University Urban and Small Farms conferences. 	Project Budget: \$19,662.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Distribution of Monilinia Species, Causal Agent of Brown Rot, in Utah and Determination of Resistance Levels to Fungicides</i> Partner with Utah State University to provide stone fruit growers with information regarding management practices to control brown rot caused by Monilinia species by collecting samples from various growers, testing for the presence of Monilinia and fungicide resistance, and sharing the results with growers at the Utah State Horticulture Association meetings, Small Farms Conference, Master Gardener classes, fact sheets online and in hard copy, and also through the Utah State University Extension service. 	Project Budget: \$22,513.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Understanding the Role of Alternative Host Plants used by Two Invasive Insects, Spotted Wing Drosophila and Brown Marmorated Stink Bug, in Utah</i> Partner with Utah State University to provide the specialty crop industry with information regarding the degree to which wild and feral hosts within specialty crop environments and surrounding areas act as alternative hosts for spotted wing drosophila and brown marmorated stink bug by placing traps and surveying non-crop hosts, recording the surrounding environment, analyzing data and disseminating the results via specialty crop meeting presentations, newsletter articles, a peer-reviewed journal article and its website. 	<p>Project Budget: \$19,958.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>South Salt Lake Community Connection to Agriculture Project – Granite South Neighborhood</i> Partner with the City of South Salt Lake Department of Urban Livability to increase consumption of fruits and vegetables by creating a farm stand, connecting residents interested in producing fruits and vegetables with existing resources, and organizing and recruiting fruit and vegetable growers to participate in the South Salt Lake Farmers’ Market. 	<p>Project Budget: \$10,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Utah Farm-Chef-Fork: Furthering Farm to Restaurant Communication and Local Sourcing Statewide</i> Partner with Utah State University to facilitate increased sourcing of local small-scale and specialty crop food items through Utah-owned restaurants by training restaurant owners and chefs on effective communication and web marketing techniques in working with local farmers, training farmers on best practices in direct marketing and collaboration with restaurants, and hosting local restaurant tours through which farmers and chefs can network with one another. 	<p>Project Budget: \$30,081.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Velvet Longhorn Beetle Delimiting Trapping in Fruit Growing Areas of Utah</i> Inform specialty crop producers about improvements in effective trap and lure protocol, the development of Integrated Pest Management (IPM) strategies, and any potential state-led mitigation or eradication efforts by determining where the velvet longhorn beetle is established in Utah and how widespread it has become. 	<p>Project Budget: \$24,736.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Managed Honeybee Health Survey in Berry Production Areas in Utah</i> Establish a baseline infection level of the devastating pathogen American foulbrood (AFB; Paenibacillus larvae) in survey areas and contain the outbreaks when discovered by documenting which diseases, parasites, and pests of honeybees are present or absent in Utah. 	<p>Project Budget: \$16,418.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>A Comparison of Water Relations and Water Use Efficiency Among Fruit Tree Rootstocks</i> Partner with Utah State University to investigate whether modern fruit tree rootstocks show altered water relations in an irrigated production system under high transpiration demand by comparing water uptake and use efficiency among new and emerging rootstocks of apple and cherry, both through controlled-environment studies and a line-source field experiment. 	<p>Project Budget: \$31,029.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Effect of Potassium in the Soil on Iris Yellow Spot Virus (IYSV) Incidence in Onion</i> Partner with Utah State University to develop improved nutrition for dry bulb onions by confirming the observations from a grower’s field on the effect potassium has on Iris yellow spot virus incidence. 	<p>Project Budget: \$7,319.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Youth Gardening Program: City Roots Classes</i> Partner with Wasatch Community Gardens to increase child nutrition knowledge and consumption of specialty crops among low-income youth by providing a Youth Gardening Program to empower youth with the skills, awareness, and knowledge to grow and harvest food locally, to taste and prepare new fruits and vegetables, and to make healthy choices for themselves and the environment. 	<p>Project Budget: \$15,177.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Mobile Access and Upgrades of Fruit Production Weather Data</i> Partner with Utah State University to increase fruit production and decrease pesticide use through the development and distribution of a weather mobile application to give fruit farmers access to vital meteorological information pertinent to their operations. 	<p>Project Budget: \$35,132.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Utah Eat Local Week</i> Partner with Slow Food Utah to increase the purchase of local specialty crops in Utah through a marketing campaign centered on marketing and education events throughout the state as well as the development of local specialty crop promotional materials. 	<p>Project Budget: \$15,000.00 Indirect Costs: \$0.00</p>

- New Roots Specialty Ethnic Crop Project*** **Project Budget:** \$25,000.00
Indirect Costs: \$0.00

Partner with New Roots to open new avenues for the development of a resilient specialty crop industry, increase the diversity of Utah’s vegetable offerings, and give local farmers a competitive edge by researching the production and marketing of specialty ethnic crops, with the ultimate goal of making production and marketing information on these crops, as well as information on seed sources, more available to producers in the state of Utah and in Salt Lake County.
- Invasive Fruit Pest Guide for Utah: Insect and Disease Identification, Monitoring, and Management*** **Project Budget:** \$18,355.00
Indirect Costs: \$0.00

Partner with Utah State University to provide all relevant information that commercial and non-commercial fruit producers in the state need to accurately identify, monitor, and manage invasive pests should they arrive at their farm or garden by developing a comprehensive guide for invasive fruit insect and disease pests of Utah.
- Educational Youth Garden Programs*** **Project Budget:** \$21,792.00
Indirect Costs: \$0.00

Partner with Youth Garden Project to promote the knowledge of good nutrition and interest in growing specialty crops through a school garden program in schools across Utah by training school officials, providing them with curriculum developed through this project, and providing schools with supplies to begin their school gardens.

Vermont Agency of Agriculture

Amount Awarded:	\$278,631.89	Number of Projects:	9
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- Vermont Digital Traceability Project for Produce Growers*** **Project Budget:** \$30,000.00
Indirect Costs: \$0.00

Partner with SW Consulting to facilitate the adoption of produce traceability solutions by researching digital technology constraints, requirements and solutions, and pilot testing the digital traceability solutions before offering a program of training and technical assistance for produce growers.
- Vermont Maple Business Benchmark*** **Project Budget:** \$33,717.00
Indirect Costs: \$0.00

Partner with the University of Vermont to promote management education, supply chain stability, and capital flow by completing a detailed cost of production analysis and management questionnaire and providing a cost of production analysis program to commercial maple producers.
- Organic Specialty Crop Cost of Production: Assessment & Education*** **Project Budget:** \$42,607.00
Indirect Costs: \$0.00

Partner with the Northeast Organic Farming Association (NOFA) in Massachusetts, New Hampshire, and Vermont to increase the efficiency of production and profitability of specialty crops in Massachusetts, New Hampshire and Vermont by providing technical support for organic specialty crop farmers to complete crop-specific enterprise analyses; creating resources that will inform current and beginning farmers in their own business and management plans; and hosting workshops and field days for specialty crop producers.
- Food Safety Accreditation for Vermont Vegetable and Berry Farms*** **Project Budget:** \$23,146.00
Indirect Costs: \$0.00

Partner with the University of Vermont to provide Vermont vegetable and berry farmers with a consistent approach to addressing food safety concerns by developing a standard set of food safety practices, educating growers about the standards, and enrolling growers in a system that credibly documents compliance with their food safety plan.
- Establishing a Vermont Herb Growers Cooperative*** **Project Budget:** \$16,550.00
Indirect Costs: \$0.00

Partner with Zach Woods Herb Farm to support market stability, increase sales, and provide technical assistance for existing and new herb growers by establishing a Vermont Herb Growers Cooperative.
- Standard Practices for a New System of Maple Syrup Production*** **Project Budget:** \$25,000.00
Indirect Costs: \$0.00

Partner with the University of Vermont Proctor Maple Research Center to increase the productivity and income of maple operations by developing a set of standards for implementing a sap collection system in existing regenerating maple stands.
- Reducing Pest Damage and Enhancing the Viability of Specialty Crops with HGM Cover Crops*** **Project Budget:** \$25,000.00
Indirect Costs: \$0.00

Partner with the University of Vermont and State Agricultural College to develop agronomic practices to improve the efficiency of HGM cover crops in reducing pests and improving soil health by conducting field trials over the course of two growing seasons using potatoes and dry beans.

- Development of a Vermont Produce Safety and Market Access Program**

Partner with Vermont Agency of Agriculture to develop a safety program that encompasses education, training, and technical assistance to achieve compliance prior to regulatory enforcement by creating and filling a Food Safety Modernization Act liaison position responsible for building in-state relationships, forming federal partnerships, and engaging at the national level with the U.S. Food and Drug Administration and the National Association of State Departments of Agriculture.

Project Budget: \$60,000.00
Indirect Costs: \$0.00
- Administration**

Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding.

Project Budget: \$0.00
Indirect Costs: \$22,262.61

Virginia Department of Agriculture and Consumer Services

Amount Awarded: \$566,944.59 **Number of Projects:** 16

- Enhancing Market Opportunities for Virginia's Specialty Crops and Small to Mid-size Farms through a 10 Percent Marketing and Education Campaign**

Partner with Virginia Food System Council to enhance the sales and consumption of specialty crops by expanding Virginia's \$10 a Week Challenge to include a broader 10% Campaign to encourage organizations, institutions, and businesses to pledge 10 percent of their annual food budget to buy Virginia specialty crops in support of local farmers, local food startups/distributors/entrepreneurs, and communities; providing educational resources and community support to help consumers and institutions connect and build relationships with local producers of Virginia's specialty crops; and assisting and collaborating with consumers, businesses, and institutions to efficiently communicate their commitment to Virginia's specialty crops, farms and local food businesses.

Project Budget: \$46,622.00
Indirect Costs: \$0.00
- Increasing Capacity to Provide Comprehensive Fresh Produce Food Safety Education from Farm to Fork**

Partner with Virginia Tech to increase capacity of Virginia Cooperative Extension to meet fresh produce food safety education and training needs of agents, growers, and consumers by developing multiple educational resources for a comprehensive website, which will house several other new resources including a blog, a Good Agricultural Practices (GAP) decision-making tool, U.S. Department of Agriculture and Harmonized GAP Plan of Action manual templates, webinars, on-farm factsheets pertaining to pre- and post-harvest handling practices, YouTube videos showing footage of farms incorporating GAPs around Virginia, and a consumer-oriented section.

Project Budget: \$44,021.00
Indirect Costs: \$0.00
- Cover Crops and Nutrient Cycling for Vegetable Production in Virginia**

Partner with Virginia Tech, Eastern Shore Agricultural Research and Extension Center to increase sweet corn and tomato yields and improved soil health and tilth by determining appropriate nitrogen fertilizer application rates for sweet corn and tomatoes in systems that utilize high residue cover crops and quantifying soil health improvement from conversion of conventional tilled vegetable land to land with incorporation of cover crops and conservation tillage.

Project Budget: \$34,597.00
Indirect Costs: \$0.00
- Cider Production from Virginia-grown Apples: Development of Research-Based Fermentation Strategies**

Partner with Virginia Tech to improve Virginia cider producers' knowledge of how to prevent common pitfalls in cider fermentation by surveying yeast assimilable nitrogen concentration in Virginia cider apples; determining pre-fermentation amino acid profiles in juice from apple cultivars used for cider production; establishing research-based, optimized fermentation strategies for cider production from Virginia-grown apples; publishing an Extension fact sheet on the role of yeast assimilable nitrogen in cider fermentation; and communicating the results of this research within a framework of cider fermentation best-practices to Virginia cider makers.

Project Budget: \$43,360.00
Indirect Costs: \$0.00
- Development of Commercial Shelf-Stable Recipes for Specialty Crops**

Partner with Virginia Food Works to increase the number of farmers and food producers creating foods from Virginia grown specialty crops and the number of value-added food products in the commercial marketplace that use specialty crops by developing new recipes incorporating Virginia specialty crops.

Project Budget: \$26,565.00
Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Advancing Organic Apple Production in Virginia</i> Partner with Virginia Tech, Winchester Agricultural Research and Extension Center (AREC) to increase the use of bloom thinning and reduce the number of fungicide sprays needed in organic apple orchards by developing reliable crop load and disease management practices and identifying rootstocks that are productive and disease resistant in organic systems. 	<p>Project Budget: \$38,166.39 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Beneficial Bacterial Endophytes Improve Grape Vine Growth and Cold Tolerance to Strengthen the VA Wine Industry</i> Partner with the Institute for Advanced Learning and Research to increase the health and yields of grapevines while reducing the use of synthetic fertilizers by establishing beneficial bacterial endophyte (<i>Burkholderia phytofirmans</i> strain PsJN) populations in grapevine plantlets in the lab and greenhouse with two commercial cultivars and test plant performance versus non-inoculated plantlets on five vineyards in Southern Virginia. 	<p>Project Budget: \$39,798.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Making Food Safety Certification Available and Affordable for Virginia Farmers</i> Partner with Appalachian Sustainable Development to increase Virginian farmers' knowledge of Good Agricultural Practices (GAP) certification and the number of Virginian U.S. Department of Agriculture's (USDA) GAP and Harmonized GAP certified farmers by providing training and consultation to farmers to prepare them to be USDA GAP or Harmonized GAP certification-ready and expanding the training to include direct-market farmers who may need the certification to sell to restaurants and institutions. 	<p>Project Budget: \$40,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Development of Soybean Varieties for Sprouts as a Profitable Vegetable Crop</i> Partner with Virginia Tech to develop soybean varieties for sprouts as a profitable vegetable crop by establishing breeding criteria of soybean seeds' sprout characteristics and releasing sprouting soybean cultivars adapted to Virginia. 	<p>Project Budget: \$35,018.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Commonwealth Quality Alliance Education</i> Partner with Virginia Wineries Association to expand Virginia wine sales regionally, nationally, and internationally by conducting a media campaign that educates consumers to equate the Commonwealth Quality Alliance (CQA) Seal with quality, well-priced Virginia wines; educates wine producers about CQA participation and the benefits of submitting wines for CQA approval; and educates wine sellers, particularly restaurants, retailers and wholesalers, on the CQA brand and its certification of quality Virginia wines at appropriate price points. 	<p>Project Budget: \$46,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Chestnut Production and Marketing Feasibility Study</i> Partner with Virginia Foundation for Agriculture, Innovation and Rural Sustainability (VA FAIRS) to create an environment where more producers might grow chestnuts and lenders loan money to develop chestnut-based business propositions by conducting an evaluation of the potential market for Virginia grown chestnuts, assessing whether Virginia chestnuts can be produced and delivered to market profitably, providing growers the basic understanding of the market and confidence to invest in a long-term business opportunity, and compiling technical information for potential and current producers about chestnut production in Virginia. 	<p>Project Budget: \$40,637.20 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Low Cost Protection from Pesticide Damage for Honey Bee Colonies</i> Reduce hive and productivity loss and direct exposure to pesticides by developing low cost portable methods for confining bees in a hive. 	<p>Project Budget: \$20,997.20 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Developing Organic and Integrated Management Strategies for Pest Control in Annual</i> Partner with Virginia Tech, Hampton Roads Agricultural Research and Extension Center (AREC) to replace the use of fumigants as a pest management technique for annual strawberry production with non-chemical alternatives by investigating soil solarization and microwave treatments for their effects on pest-control and microwaves in strawberry production. 	<p>Project Budget: \$28,936.80 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Strawberry Production</i> Partner with Virginia Tech, Hampton Roads Agricultural Research and Extension Center (AREC) to replace the use of fumigants with non-chemical alternatives as a pest management technique for annual strawberry production by investigating soil solarization and microwave treatments for their effects on pest-control and microwaves in strawberry production. 	<p>Project Budget: \$22,692.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Genetically Improved Fraser Fir Seed Orchard</i> Partner with Mount Rogers Area Christmas Tree Growers Association to improve the commercial production of Christmas tree plantations in the Mount Rogers Highland region by selecting, studying, and grafting a minimum of 25 superior Fraser fir families in the Old Flat Fir seed orchard. 	<p>Project Budget: \$26,018.38 Indirect Costs: \$0.00</p>

- ***Multi-tiered Quality Assurance and Cost-share Program to Advance GAP Implementation on Small Farms*** **Project Budget:** \$30,900.00
Indirect Costs: \$0.00
Partner with Local Food Hub to increase sales opportunities for specialty crop growers in the institutional marketplace by implementing an internal management system that will provide expanded food safety assurances to buyers in the institutional marketplace and help small specialty crop producers move more quickly and cost-effectively toward full Good Agricultural Practices (GAP) certification.

Washington State Department of Agriculture

Amount Awarded: \$4,284,561.35 **Number of Projects:** 28

- ***(1) Seeking Critical Hop MRLs in New and Growing Asia-Pacific Export Markets*** **Project Budget:** \$149,972.00
Indirect Costs: \$0.00
Partner with Washington Hop Commission to increase the amount of hops sold to international markets, especially in Australia, Korea, Hong Kong, China, and Taiwan, by establishing new pesticide maximum residue levels (MRLs) for hops in these new and expanding export markets.
- ***(2) Washington Apple Consumer Website*** **Project Budget:** \$50,000.00
Indirect Costs: \$0.00
Partner with Washington Apple Commission to increase consumer awareness in three key markets (Mexico, Indonesia and Thailand) of the health benefits, varieties, and uses of Washington apples updating a consumer website (www.bestapples.com) to make it mobile device-enabled, highlight the connection between Washington apples and a healthy lifestyle, and translate it into key foreign market languages – Spanish, Chinese, Bahasa Indonesia, Russian, Thai, Arabic and Vietnamese.
- ***(3) Washington State Wine Promotions in Canada*** **Project Budget:** \$97,353.00
Indirect Costs: \$0.00
Partner with Washington State Wine Commission to increase the number of Washington wineries exporting by conducting an advertising campaign for Washington wines in Ontario and Quebec.
- ***(4) Putting Pears on the Menu: Increasing the Use of Pears by National Restaurants*** **Project Budget:** \$20,000.00
Indirect Costs: \$0.00
Partner with Pear Bureau Northwest in collaboration with the Oregon Department of Agriculture to increase overall Northwest pear sales by increasing foodservice sales to national, multi-unit restaurants through a multi-state marketing campaign that will perform a qualitative research study; participate in three annual foodservice gatherings; and conduct an event for foodservice chefs featuring classroom time with a leading post-harvest ripening and handling expert, orchard tours with local growers, and visits to packing and shipping facilities.
- ***(5) Improving Postharvest Needle Retention on Cut Christmas Trees*** **Project Budget:** \$62,666.00
Indirect Costs: \$0.00
Partner with Washington State University to reduce the risk of postharvest needle loss on cut Pacific Northwest Christmas trees by testing and developing a protocol to inhibit ethylene-induced needle loss, project results will be shared in publications and at four grower meetings.
- ***(6) Strategically Deploying Data to Enhance Local and Direct Markets for Washington Specialty Crops*** **Project Budget:** \$69,965.00
Indirect Costs: \$0.00
Partner with Washington State University Small Farms Program to increase the sales of direct marketed, specialty crop farmers in Washington by developing a marketing campaign that uses new, professional, and creative visual marketing tools that are distributed to local farmers' markets.
- ***(7) Leveraging Farmers Markets to Increase Specialty Crop Farm Sales*** **Project Budget:** \$122,738.00
Indirect Costs: \$0.00
Partner with Washington State Farmers Market Association to will increase specialty crop farmer direct marketing skills and knowledge as well as enhance their success and sales by providing targeted, off-season training to direct marketing specialty crop farmers to build their marketing capacity and skills; providing direct farmer services and support with marketing questions; and creating and coordinating a specialty crop promotional campaign at farmers' markets statewide in conjunction with Farmers' Market Week.
- ***(8) Value Added Processing Facility Feasibility Study*** **Project Budget:** \$41,540.00
Indirect Costs: \$0.00
Partner with Community Agriculture Development Center to enhance farmer production of specialty crops and consumer consumption of specialty crop value-added products by conducting a feasibility study to research and define a small-scale processing facility to be used by local berry, fruit, and vegetable growers to enhance access to year-round local markets for their crops.

- ***(9) Preserving and Increasing Access to Irrigation Water in the Snoqualmie Valley***

Partner with Snoqualmie Valley Preservation Alliance to increase specialty crop production capacity in the lower Snoqualmie Valley by developing an irrigation water strategy and identifying reliable mechanisms to move irrigation water to where specialty crop growers can access it.

Project Budget: \$68,000.00

Indirect Costs: \$0.00
- ***(10) Enhanced Irrigation Management of Sweet Cherries through Remote, Bistatic Ground Penetrating Radar***

Partner with Eltopia Communications, LLC to increase quality and yield of specialty crop by evaluating the effectiveness of bistatic ground penetrating radar (BGPR) to provide an accurate 3-D shallow hydrology model in cherry orchards; investigating the influence of the Decision Making Tool using BGPR on management decisions and subsequent impacts on optimal soil moisture levels (BGPR), water usage, yield, quality, and levels of mildew; and raising awareness of BGPR as a new, practical tool to optimize irrigation for cherry production.

Project Budget: \$245,000.00

Indirect Costs: \$0.00
- ***(11) Local Buying Missions: Expanding Specialty Crop Markets for Small-Scale Growers and Processors***

Increase access to direct markets (retail grocery, restaurant, farmers' market, and community supported agriculture) for small-scale specialty crop growers/processors by bringing together specialty crop buyers and growers through local buying missions.

Project Budget: \$249,992.00

Indirect Costs: \$0.00
- ***(12) Improvement of Honey Bees for Pollination: Evaluation of Genetic Differences among Honey Bee Subspecies***

Partner with Washington State University to determine honey bee subspecies foraging differences in Washington during wet and/or cool pollination conditions by measuring and comparing pollinating propensity, temperature parameters of foraging, colony growth rates and foraging behavior in tree fruit orchards and small fruit plantings; evaluating these breeding lines for comparative resistance/tolerance to pests and pathogens; and conducting large-scale "real world" field experiments with these breeding lines in a commercial migratory operation.

Project Budget: \$249,059.00

Indirect Costs: \$0.00
- ***(13) Developing Innovative Management Practices to Enhance Production Efficiency and Sustainability of Low-input, Stress-tolerant Potato Varieties***

Partner with Washington State University to improve potato input-use efficiency and grower income by quantifying the tolerance of advanced clones and cultivars from the Pacific Northwest Variety Development Program to nutrient, water, heat and plant population stress; developing innovative planting designs to optimize plant population, inter-plant competition and land use efficiency for selected traditional and newly developed cultivars; and testing and developing techniques for altering length to width ratios (tuber shape) of round but otherwise superior russet selections from the Northwest Variety Development Program.

Project Budget: \$249,838.00

Indirect Costs: \$0.00
- ***(14) Rapid Detection Technologies for In-field and Post-harvest Apple Bitter Pit Management***

Partner with Washington State University to reduce in-field crop losses of apples by developing rapid non-contact apple bitter pit detection technique(s) for identifying the disorder during early to asymptomatic stages.

Project Budget: \$155,393.00

Indirect Costs: \$0.00
- ***(15) Grappling with Emerging Soil-borne Virus Diseases in Washington Vineyards***

Partner with Washington State University to help grape industry stakeholders and regulatory agencies to improve sanitary status of vineyards and nurseries for enhanced competitiveness of the grape and wine industry in domestic and global markets and strengthen clean plant and grapevine certification programs for preventing the introduction and subsequent dissemination of nepoviruses and the nepoviruses vectors in Washington vineyards by identifying virus(es) associated with 'fanleaf-like' symptoms, developing reliable methods for the detection of virus(es) associated with 'fanleaf-like' symptoms, monitoring affected vineyard blocks for nematode vector(s), and studying the vineyard's ability to transmit virus(es).

Project Budget: \$153,080.00

Indirect Costs: \$0.00
- ***(16) Integrated Management of Botrytis on Ornamental Geophyte Cut Flower Crops***

Partner with the Washington State University and the University of Alaska Fairbanks to study a sampling of Alaska grower fields of peonies to verify species identification and the biology and pathogenicity of Botrytis gray mold, which is the single most important disease of Alaska field-grown peonies and cut stems in storage. The research findings will be used to develop grower integrated Botrytis disease management guides for peonies.

Project Budget: \$140,861.00

Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>(17) Grafting Watermelon: A Sustainable Practice for Managing Soilborne Disease and A Value-added Enterprise for Washington</i> Partner with Washington State University develop an effective strategy to manage Verticillium wilt on watermelon by identifying watermelon-compatible rootstocks that are resistant to different strains of <i>V. dahliae</i> commonly found in Washington; validating disease tolerance, yield and fruit quality of grafted watermelon in field trials; and training commercial transplant producers and watermelon growers to graft watermelon. 	<p>Project Budget: \$143,365.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(18) Evaluating Aphid Pest Management and Soil Quality on Organic and Conventional Apple Orchards in Washington</i> Partner with Washington State University to augment the ability of organic and conventional apple growers in Washington State to produce high yields of premium quality fruit by evaluating the relationships between pesticide management intensity, pest pressure, and soil quality in both organic and conventional orchards and developing specific management recommendations. 	<p>Project Budget: \$194,910.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(19) Disruption of Overwintering of Hop Powdery Mildew: The Key to Area-wide Disease Management</i> Partner with Washington Hop Commission to increase hop producer awareness and adoption of integrated pest management (IPM) tactics, and ultimately the application of IPM tactics to hop yards where the pathogen is most likely to survive by identifying and quantifying risk factors for seasonal survival of the pathogen, clarify if the pathogen persists in a limited number of chronically affected fields, evaluate sustainable means to disrupt overwintering, communicate and extend findings to industry stakeholders and partners. 	<p>Project Budget: \$129,189.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(20) Proactive Approaches to Protect Western Washington Specialty Potatoes against New Strains of PVY</i> Partner with Washington State University to improve the understanding of transmission, cultural practices that impact, and options to manage novel strains of potato virus (PVY) in specialty potato varieties by investigating whether new strains of PVY can be differentially transmitted via mechanical means, determining if PVY strains exist on crops and weeds common to western Washington, demonstrating use of cover crops as spray rows to provide stylet “cleaning-sites” for aphids, studying whether certain cultural practices affect PVY symptom expression in potato tubers, compare novel approaches for detecting PVY strains in plants and tubers during winter grow-out tests, continuing monitoring for new/exotic PVY strains and assess reactions of specialty potatoes to them, and developing educational programs on PVY for seed and commercial potato growers. 	<p>Project Budget: \$203,802.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(21) Expanding State Agency and Institutional Markets for Washington Specialty Crops through Education and Networking with Institutional Food Buyers,</i> Increase the use of Washington-grown specialty crops in institutions by developing and delivering training and networking sessions for specialty crop growers, state agencies, food processors, distributors and other institutional buyers. 	<p>Project Budget: \$224,523.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(22) Managing Little Cherry Disease</i> Partner with Washington State University to reduce or eliminate mealybug populations in sweet cherry orchards and stop or slow the spread of little cherry disease (LCD) by developing a comprehensive management plan for LCD, which determines optimal control strategies for apple and grape mealybugs, vectors of LCD, and provides growers with decision making tools to aid in the elimination of LCD from infected orchards. 	<p>Project Budget: \$199,820.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(23) Apple Maggot Host Reduction</i> Partner with North Yakima Conservation District to determine the effects of removal of Black Hawthorne tree in close proximity to apple orchards as a way of implementing a host reduction program to demonstrate an effective management strategy of maintaining a ‘Pest Free Area’ or ‘Areas of Low Pest Prevalence.’ 	<p>Project Budget: \$222,505.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(24) Fresh Market Strawberry Pre-Breeding for Repeat Flowering and Powdery Mildew Resistance</i> Partner with Washington State University to increase the stability of repeat flowering and powdery mildew resistance in adapted day-neutral cultivars of strawberries by conducting foundational pre-breeding work for assessing repeat flowering and powdery mildew resistance in 80-100 accessions of day-neutral breeding material over two field seasons. 	<p>Project Budget: \$32,109.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(25) Increasing Sales for Direct Market Specialty Crop Farmers at Seattle Neighborhood Farmers Markets</i> Partner with Neighborhood Farmers Market Alliance to increase sales of specialty crops by conducting a marketing campaign toward low-income shoppers highlighting the use of Supplemental Nutrition Assistance Program (SNAP) Fresh Bucks for the purchase of fruits and vegetables at farmers' markets. 	Project Budget: \$115,267.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(26) Evaluation of an Alternative Irrigation Water Quality Indicator</i> Partner with the Center for Produce Safety Foundation, in collaboration with the University of California, Davis and the University of Arizona, to develop data to support collective expert evaluations for the replacement of quantitative irrigation water standards based on generic E. coli with a semi-quantitative threshold based on a designed risk-assumption Limit of Detection based on either E. coli and/or Bacteroides as an improved indicator system for acute and chronic fecal contamination. 	Project Budget: \$77,964.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(27) Improving Soil Health for Whatcom County Raspberry Growers</i> Improve soil quality and increase crop yield for Whatcom County raspberry producers by developing a model for a data-driven, collaborative, non-regulatory approach to help red raspberry growers maintain environmentally friendly, viable agricultural practices. 	Project Budget: \$250,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$340,775.23

West Virginia Department of Agriculture

Amount Awarded:	\$270,171.22	Number of Projects:	15
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<ul style="list-style-type: none"> • <i>Assessing Opportunities for Maple Syrup Production on Abandoned Mine Lands</i> Partner with West Virginia University Research Cooperation to expand maple syrup production in West Virginia by conducting an analysis of the use of under-utilized mine lands for growing maple saplings for syrup production by comparing sap content from maple trees growing on forest sites to maples growing on mine land sites. 	Project Budget: \$17,350.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Cryopreservation of Honey Bee Germplasm</i> Partner with West Virginia Queen Producers Association to increase honey production of the West Virginia beekeepers by investigating cryopreservation of honey bee germplasm, which will be disseminated to apiarists through workshops and seminars. 	Project Budget: \$9,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>KISRA Farm Expansion</i> Partner with Kanawha Institute for Social Research & Action, Inc. (KISRA) to determine the economic potential of raised beds, hydroponic vertical ports, and vertical towers in the production of specialty crops through scientific evaluation of inputs and outputs, including cost of production, efficiency, yields, and consumer satisfaction/sales. 	Project Budget: \$10,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maple Syrup Producers Association</i> Increase syrup production of West Virginia maple syrup through the formal organization of the West Virginia Maple Syrup Producers Association who will provide maple growers and processors information, resources, and support collaborative marketing efforts. 	Project Budget: \$7,200.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Maximizing Profitability and Productivity for Sustainable Multiple Vegetable Crop Production in West Virginia High Tunnels</i> Partner with West Virginia State University (WVSU) and Research Development Corporation to improve profitability and productivity in high tunnel vegetables production by small farm growers in West Virginia through the development of production schedules based on research and data collection from growers near to WVSU campus. 	Project Budget: \$16,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Mobile Vegetable Post Harvest Project</i> Collaborate with Potomac State University and West Virginia University Research Corporation to increase the production of root crops by fabricating a mobile, post-harvest wash station that will support food safety through the cleansing of root crops using suitable water, which is otherwise not available in many rural communities. 	Project Budget: \$43,231.33 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Pecan Production and Demonstration in WV</i> Partner with West Virginia State University Research and Development Corporation to increase the knowledge of pecan production and increase the growth of pecan tree groves in a commercial setting by designing and implementing workshops and demonstration sites on pecan production and attracting new participants to the pecan industry. 	Project Budget: \$14,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Ritchie County Farmers Market Association Specialty Crop Production and Market Storage Improvement Project</i> Partner with Ritchie County Farmers Market Association to increase small fruit and other specialty crop production and profit in Ritchie County and surrounding areas of West Virginia by utilizing shared implements (bed shaper/mulch layer, transplanter, and mulch lifter) which will increase the output of specialty crop production. 	Project Budget: \$10,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>SAGE II Perennial Produce</i> Partner with CADCO Foundation dba Charleston Area Alliance to increase knowledge of perennial specialty crops in Sustainable Agriculture Entrepreneurs (SAGE) participants and increase appreciation and purchase of perennial specialty crops by consumers through educational, hands-on workshops on and planting of perennial specialty crops. 	Project Budget: \$16,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Techniques for Increasing the Supply of Fresh, Locally Grown Produce in the Tygarts Valley District</i> Partner with Eastern West Virginia Community Action Agency, Inc. to increase the amount of specialty crops grown so that they can be sold to institutional buyers such as Farm to School, restaurants, stores, and to specialty niche type markets through an increase in the row feet grown, increasing the number of farmers who are implementing season extension techniques, and increasing the supply of in-demand items during off-season times. 	Project Budget: \$12,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Vineyard Hills Orchard</i> Partner with Grow Ohio Valley, Inc. to increase the production of local specialty crops across the Upper Ohio Valley by planting a demonstration plot of apple trees and berries in Wheeling, West Virginia, conducting workshops and seminars associated with the demonstration plot, and establishing direct sales contacts with adjoining school districts. 	Project Budget: \$25,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>West Virginia Department of Agriculture Producer Education 2014-2017</i> Increase specialty crop farmers knowledge of how to reduce the risk of food borne illnesses by providing training opportunities on Good Handling Practices/Good Agricultural Practices (GHP/GAP), Recall/HACCP, Food Safety Investigation, Risk Management, etc. 	Project Budget: \$51,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>West Virginia Veterans to Agriculture Honey Production Project</i> Partner with West Virginia Veterans to Agriculture to increase the number of honey producers operating viable businesses and increase honey production in West Virginia by enrolling and training new honey producers and increasing the knowledge of current registered beekeepers. 	Project Budget: \$15,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Wild Flowers for Honeybees</i> Partner with West Central Beekeepers Association to increase the quantity of honey production by expanding the natural food source of wildflowers available to the local honey bee population. 	Project Budget: \$3,100.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$19,990.51

Wisconsin Department of Agriculture, Trade and Consumer Protection

Amount Awarded:	\$1,411,241.16	Number of Projects:	25
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<ul style="list-style-type: none"> • <i>(14-01) GAP/GHP Cost Share</i> Provide third-party food safety audits available to small and medium-size Wisconsin producers by continuing a cost-share arrangement for Good Agricultural Practices/Good Handling Practices (GAP/GHP) audits or Harmonized certification and providing pre-audit educational opportunities. 	Project Budget: \$100,000.00 Indirect Costs: \$0.00
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<ul style="list-style-type: none"> • <i>(14-02) Genetic Mapping of Horticultural Important Traits in Cranberry</i> Partner with the University of Wisconsin to generate new and increased knowledge about horticultural import traits, inheritance, and genomic location for Wisconsin cranberries by developing an integrated approach incorporating both classical breeding and molecular tools, which will be essential to increasing breeding efficiency and reducing the generation interval for selection (currently 30-50 years) and the field space needed. 	<p>Project Budget: \$85,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-03) Enhancing First-to-Market Potato Value with Improved Vine Desiccation Strategies</i> Partner with the University of Wisconsin to increase the marketable tuber yield in the best integrated treatments by identifying and implementing potato desiccation strategies that will allow Wisconsin potato producers to market tubers earlier without negative impacts to quality and yield. 	<p>Project Budget: \$76,518.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-04) Promoting Seedless Table Grapes for Wisconsin Growers and Consumers</i> Partner with Wisconsin Grape Growers Association to increase production of and demand for fresh, locally grown seedless table grapes in Wisconsin by identifying and characterizing the best cold-hardy cultivars for the different regions in Wisconsin and conducting grower workshops and educational outreach events. 	<p>Project Budget: \$75,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-05) Wisconsin Pollinator Plan Development</i> Improve pollinator health and habitat by developing a statewide Pollinator Plan and establishing best management practices that will mitigate negative impacts on pollinators. 	<p>Project Budget: \$75,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-06) Minimizing Pesticide Residues on Ginseng Root to Remove Export Barriers on Wisconsin Growers</i> Partner with Ginseng Board of Wisconsin to increase exports of Wisconsin ginseng and enhance profitability and expansion of this specialty crop by monitoring Maximum Residue Limits among international ginseng markets, testing seed treatments and biologically active mulch as a means to exclude pests, and developing pesticide recommendations for growers that protect the crop and allow it to be exported with minimal or no chemical residues. 	<p>Project Budget: \$74,782.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-07) Developing Web-Based Pest and Disease Forecasting Tools for Enhanced Management of Vegetable Crops in Wisconsin</i> Partner with Wisconsin Potato Industry Board to increase sustainability of muck vegetable crop production in Wisconsin by optimizing pest and disease control practices in onion and carrot crops through the adoption of best management practices and weather-based forecasting tools to inform the application of pesticides. 	<p>Project Budget: \$74,173.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-08) Farm to Glass: University Outreach to Improve the Quality of Wisconsin's Fermented Beverages</i> Partner with Wisconsin Grape Growers Association to increase the quality of Wisconsin's wines, ciders, and hops/hop pellets by developing a comprehensive outreach program to coordinate with the University of Wisconsin Extension faculty working with specialty crop growers and to work directly with the craft fermenters in the state. 	<p>Project Budget: \$73,375.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-09) Developing a Clean Propagative Plant Process for Wisconsin Hops</i> Partner with the University of Wisconsin to support the growth of the Wisconsin hop industry by increasing the number of pathogen-free hop rhizomes through the establishment of a clean production system and development of a production system conducive to identifying hop varieties adaptable to producing high-yielding hop cones of excellent quality in Wisconsin. 	<p>Project Budget: \$58,638.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-10) Cranberry Flea Beetle Biology and Management</i> Partner with the University of Wisconsin to provide a reliable solution to the persistent flea beetle problem in Wisconsin cranberries by screening a variety of insecticides and a <i>Bacillus thuringiensis</i> formulation, applied as post-bloom soil-drenches, in collaboration with Wisconsin growers; isolating and screening a variety of nematode species for their pathogenicity to flea beetles; propagating and applying nematodes pre-bloom to commercial acreage; and disseminating findings as widely as possible within the cranberry industry. 	<p>Project Budget: \$58,043.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-11) Promoting Wisconsin Cranberries in India</i> Increase the number of cranberry companies shipping into the Indian market and year-on-year sales growth of Wisconsin frozen and/or dried cranberries by facilitating technical seminars to educate local manufacturers about using cranberries as an ingredient. 	<p>Project Budget: \$52,439.73 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(14-12) Wisconsin Farm to Hospital</i> Partner with Wisconsin Grocers Association and Wisconsin Local Food Network to increase hospital administration, staff and patients' awareness of, and access to, Wisconsin-grown specialty crops and to increase sales of Wisconsin-grown specialty crops to hospitals through marketing and education to hospitals and specialty crop producers. 	<p>Project Budget: \$50,750.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-13) Chop, Chop! Wisconsin-Grown Produce Culinary Videos for Schools</i> Partner with Cooperative Educational Service Agency to increase the amount of Wisconsin grown specialty crops sold to Wisconsin schools by developing specialty crop culinary training videos that increase culinary skills of the school food service staff and creating greater opportunities for Wisconsin producers to market specialty crops through the Farm to School program. 	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-14) Risk Management Tools for Hmong Growers</i> Improve the knowledge and implementation of culturally appropriate risk management practices and Good Agricultural Practices (GAP) record keeping among Hmong ginseng growers by conducting training workshops in their native language. 	<p>Project Budget: \$50,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-15) Virus Diseases, an Emerging Threat to Wisconsin's Cranberry Industry</i> Partner with the University of Wisconsin to decrease the occurrence of disfigurement and scarring in cranberry fruit by developing research-based management strategies to control tobacco streak virus (TSV) and blueberry shock virus (BIShV) in Wisconsin grown cranberries. 	<p>Project Budget: \$49,915.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-16) Assessing Spotted Wing Drosophila Phenology and Overwintering in Wisconsin</i> Partner with the University of Wisconsin to increase specialty crop producer knowledge on monitoring and management of spotted wing drosophila (SWD) and on its seasonal phenology by evaluating the seasonal phenology of SWD, determining whether a winter morph is found in Wisconsin, describing when in the growing season the winter and summer morphs are present, and determining the reproductive output of females early in the season, as they first occur in crops, and then later in the season, as they prepare to enter winter. 	<p>Project Budget: \$42,388.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-17) Utilization of Vermicompost and Vermicompost Tea to Improve Ginseng Production</i> Partner with University of Wisconsin, Stevens Point to increase the number of decision-making tools for ginseng growers by investigating the benefits of using vermicompost and vermicompost tea in ginseng production, determining the impact vermicompost and tea has on field production, and providing educational workshops to ginseng growers on the best alternative farming practices to enhance production. 	<p>Project Budget: \$40,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-18) Growing Markets for Wisconsin Apple Growers with Fresh and Hard Cider</i> Partner with Wisconsin Apple Growers Association to increase the production of specialized cider apples by educating growers about hard cider apple varieties and cultivation, developing a template for a grower contract, implementing an economic viability formula, and establishing a cider apple test plot at University of Wisconsin's Peninsular Agriculture Research Station where heirloom and new cider apple varieties appropriate for Wisconsin can be developed and verified for best cider production. 	<p>Project Budget: \$37,760.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-19) Neonicotinoid Concentrations in Succulent Snap Bean, Sweet Corn and Peas following At-Plant Concentrations of Neonicotinoid Insecticides follo</i> Partner with Midwest Food Processors Association to determine the impact of chronic, low-dose pesticide exposure to bees directly or through the pollen and nectaries of flowering plants by characterizing the temporal patterns of insecticide residues in plants treated with seed treatments and determining the pollinator species present in selected processing crops – including succulent snap bean, sweet corn, and peas – at different times during crop development. 	<p>Project Budget: \$35,860.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-20) Clarifying Marketing Labels for Wis. Farmers' Market Vendors</i> Partner with Midwest Organic and Sustainable Education Service (MOSES) to increase sales of certified organic specialty crops sold at Wisconsin farmers' markets and decrease occurrences of mislabeling by developing tools to educate specialty crop producers on organic labeling laws and production practices. 	<p>Project Budget: \$33,110.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>(14-21) Testing a Sustainable Production Model to Support WI Beekeeping</i> Partner with the University of Wisconsin, River Falls to enhance the sustainability and profitability of regional beekeepers by minimizing their reliance on package bees outside the region, limiting the importation of bee diseases and pests into Wisconsin beekeeping operations, and investigating how efficiently healthy, small, honey bee nucleus colonies can overwinter in Wisconsin. 	<p>Project Budget: \$30,438.00 Indirect Costs: \$0.00</p>

<ul style="list-style-type: none"> • <i>(14-22) On-Farm Sustainability for Small Acreage Vegetables – Documenting Practices and Using Results to Promote Sales and Improve Performance</i> Partner with the University of Wisconsin to increase the capacity of small acreage vegetable crop producers to meet the demand for sustainably produced vegetables by developing entry level assessment tools to engage a majority of growers; documenting sustainability for individual crops in a whole-farm context; conducting modified baseline Frontiers of Sustainability analyses to identify key drivers; working with the industry to improve in these targeted areas by promoting needed changes to production; and working with the industry to collaboratively help growers promote and market the achievements that they have already made. 	Project Budget: \$30,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(14-23) Specialty Crop Outreach Activities</i> Increase Wisconsin specialty crop producer and agribusiness knowledge about growing practices and state specialty crop trends by conducting producer outreach and training sessions on production and diversification practices and sharing specialty crop research results. 	Project Budget: \$20,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>(14-24) Enhancing the Stability and Mutual Profitability of Specialty Crop Sales through Written Contracts</i> Partner with Farm Commons to increase specialty crop producer knowledge of the basics of contract law – including creating, fulfilling, and modifying a contract; advanced contract law and regulations specific to fruit and vegetable sales, food safety liability, and risk management overall – by providing specialty crop producers with a comprehensive guide to writing a sales agreement; leading farmers through an interactive online workshop designed to move farmers forward and promote collaboration; and providing individual attorney follow up with one-on-one attention to strengthen individual buyer-seller relationships. 	Project Budget: \$18,450.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	Project Budget: \$0.00 Indirect Costs: \$112,316.53

Wyoming Department of Agriculture

Amount Awarded:	\$290,985.61	Number of Projects:	14
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<ul style="list-style-type: none"> • <i>Quality information for active and potential Specialty Crop producers</i> Partner with the University of Wyoming Extension to raise specialty crop awareness by producing articles in the Barnyards & Backyards magazine on a variety of specialty crop issues including pest and disease control, weed control, pollinator support, and honey production; additionally, a separate pollinator guide will be produced. 	Project Budget: \$17,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Studying Grapevine Water Requirement and Irrigation Management Strategies in WY Vineyards</i> Partner with the University of Wyoming to improve grapevine growth and development, yield, and berry quality in Wyoming vineyards by studying the water requirements of Frontenac and La Crescent grapevines at various phenology stages and discovering possible approaches for efficient water utilization. 	Project Budget: \$23,000.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Using DNA to Identify Heritage and Novel Apple Cultivars</i> Partner with the University of Wyoming to increase knowledge of heritage apple varieties in Wyoming by identifying 75-120 year old heirloom and historic apple trees to cultivar, or to establish parentage in novel cultivars, in apple trees from Wyoming through molecular techniques. 	Project Budget: \$24,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Producer Season Extension, Education and Promotion Grant</i> Partner with Wyoming Community Network to continue the Producer Season Extension program, which will not only increase the production of climate sensitive specialty crops by extending the season through the use of high tunnels, low tunnels, and row covers, but also increase awareness and knowledge of these methods. 	Project Budget: \$24,500.00 Indirect Costs: \$0.00
<ul style="list-style-type: none"> • <i>Nonprofit Specialty Crop Small Grant Program</i> Partner with Wyoming Community Network to increase individuals' knowledge on specialty crop production through the support of such projects as community gardens and hoop houses by providing small grants (6) to non-profits, colleges, and K-12 schools. 	Project Budget: \$24,500.00 Indirect Costs: \$0.00

<ul style="list-style-type: none"> • <i>Regional Assessment of Fenugreek for Producer's Propagation</i> Partner with the University of Wyoming to evaluate five of the most promising genotypes/accessions of fenugreek in varying Wyoming environments to increase knowledge on the phenotypic adaptability and stability for growth, seed yield, and quality, then to disseminate this information. 	<p>Project Budget: \$24,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Wyoming Pollinator Educational Program</i> Partner with the University of Wyoming to educate producers and the general public about Wyoming's pollinators through annual educational opportunities (Bee College), evaluation of commercially available pollinator seed mixes, and the annual survey and document of pollinators at test plots. 	<p>Project Budget: \$22,946.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>WFMA/BFBL SC Scholarships, Workshops, Demos and Annual Conference</i> Partner with Wyoming Farmers Marketing Association to offer information on specialty crop food areas by providing expert speakers on specialty crop issues at the Wyoming Farmers Marketing Association Annual conference and increasing the specialty crop marketing efforts for the WY Buy Fresh Buy Local Program through cooking demonstrations. 	<p>Project Budget: \$19,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Hops Production Exploration in the Bighorn Basin</i> Partner with Northwest College to study whether hops can produce well in Bighorn Basin by establishing a hops variety trial at two locations, publishing the data, then establishing a workgroup of interested growers and brewers to facilitate a hop growing workshop for the public. 	<p>Project Budget: \$18,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Junior Master Gardener Program</i> Partner with the University of Wyoming Extension to teach the Junior Master Gardener Program to 40 Extension educators, Master Gardeners, and teachers from Wyoming who will then take this training to schools throughout the state to teach at least 1000 students appropriate horticulture and gardening lessons. 	<p>Project Budget: \$12,000.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>The Wyoming Heritage Apple Preservation Project—A Continuation</i> Partner with the University of Wyoming to continue to gather information on heritage orchards or orchard remnants and wild trees representing “novel” varieties throughout Wyoming in the hopes of increasing general awareness of sweet apple producers, orchards, and varieties of heritage apples, while also increasing the knowledge of specialty crop producers about grafting and growing sweet apples. 	<p>Project Budget: \$18,500.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Gluten Free Production and Handling for Wyoming Specialty Crop Pulses</i> Increase marketing opportunities of pulse growers interested in production and sale of pulses to gluten free processors by developing a manual for a set of procedures for pulse crop gluten free verification and by providing trainings to assist local pulse farmers on how to produce for and market to the gluten-free market. 	<p>Project Budget: \$12,160.00 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Specialty Crop Production, Marketing, Education and Consumption Program</i> Increase awareness of specialty crop opportunities, promote the Specialty Crop Block Grant Program, and promote Wyoming producers and processors by providing information at conferences and workshops, publications, and trade events. 	<p>Project Budget: \$19,601.83 Indirect Costs: \$0.00</p>
<ul style="list-style-type: none"> • <i>Administration</i> Ensure that the State Agency and sub-awardees abide by Federal and State requirements and regulations by performing pre-award and post-award activities to administer Specialty Crop Block Grant Program funding. 	<p>Project Budget: \$6,608.00 Indirect Costs: \$23,244.00</p>