USDA Animal and Plant Health Inspection Service
U.S. DEPARTMENT OF AGRICULTURE

Plant Protection Act Section 7721
Fiscal Year (FY) 2023 Funded Suggestions

Projects that received PPA 7721 funding in FY 2023:

Funding by State

State	Goal	Suggestion No.	Project Title	Cooperator Entity
Alabama	1S	2023-0042	Exotic Bark Beetle Survey	Alabama Department of Agriculture and Industries (ADAI)
Alabama	1S	2023-0051	Grape Commodity Survey	ADAI
Alaska	1S	2023-0060	AK PPA Asian Defoliator Survey FY23	State of Alaska Division of Agriculture
Alaska	5	2023-0092	First detector training and engagement in Alaska	University of Alaska Fairbanks
Arizona	1A	2023-0201	Delivering enhanced Asian longhorn beetle development forecasts to support early detection and eradication efforts	University of Arizona - Board of Regents
Arizona	1S	2023-0030	Nursery & Retail, Greenhouse Crops Pest Survey	Arizona Department of Agriculture
Arizona	1S	2023-0220	Grape Commodity Survey	University of Arizona - Board of Regents
Arizona	3	2023-0562	Improving the identification capacity of hyperdiverse Anthonomus weevils (Coleoptera: Curculionidae) from Mexico, the Un	Arizona State University
Arizona	6	2023-0557	Sonic Weaponry for Managing Rangeland Grasshoppers and Mormon Crickets: Year 3 of 3	USDA APHIS
Arkansas	1S	2023-0009	SOD P. ram	Arkansas Department of Agriculture
Arkansas	3	2023-0184	Rapid development of affordable, artificial positive controls that mimic pathogen titer and tropism	University of Arkansas System Division of Agriculture
Arkansas	3	2023-0259	Ultrasensitive CRISPR-Cas13a detection of rubus yellow net virus	University of Arkansas System Division of Agriculture
Arkansas	5	2023-0010	Forest Pest Outreach	Arkansas Department of Agriculture

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California	1S	2023-0005	Asian Defoliating Moth	California Department of Food and Agricultural (CDFA)
California	1S	2023-0012	Exotic Fruit Fly Survey	CDFA
California	1S	2023-0401	Nursery and Ornamental Survey	CDFA
California	1S	2023-0402	Spotted Lanternfly Survey	CDFA
California	1S	2023-0404	Stone Fruit Commodity Survey	CDFA
California	2	2023-0160	Differential Phase Contrast X-ray Imaging for Automated Detection of Pests in Plants using Artificial Intelligence	Board of Trustees of the Leland Stanford Junior University
California	2	2023-0543	California Detector Dog Teams Program	CDFA
California	3	2023-0228	Targeted identification of pheromones and related attractants for invasive cerambycid beetles	University of California, Riverside (UC-Riverside)
California	3	2023-0297	Enhancing diagnostics of cyst nematodes of the genus Globodera	CDFA
California	3	2023-0306	Tools for the identification and detection of graminicolous downy mildews, including the Select Agent Peronosclerospora	University of California
California	4	2023-0209	NORS-DUC National Ornamentals Research Site at Dominican University of California	Dominican University of California
California	4	2023-0550	Development IPM tools to slow the spread or eradicate Box Tree Moth incursions into the United States	USDA APHIS
California	6	2023-0202	Eliminating transmission of Xylella fastidiosa by the glassy- winged sharpshooter using CRISPR technology	UC - Riverside
California	6	2023-0388	Biological Control of Bagrada Bug	CDFA
California	6	2023-0410	Emergency Plant Health Response Teams	CDFA
California	6	2023-0445	Implement citrus bacterial pathogen and vector management using citrus-derived antimicrobial peptides	UC - Riverside
Colorado	1S	2023-0298	Stone Fruit Survey	Colorado Department of Agriculture (CO DoA)
Colorado	1S	2023-0350	Grape Survey	CO DoA
Colorado	3	2023-0238	Development of high throughput detection of potato mop-top virus and tuber necrotic strains of potato virus Y in dormant	Colorado State University

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Connecticut	1S	2023-0033	Forest Pest Survey	Connecticut Agricultural Experiment Station (CAES)
Connecticut	1S	2023-0040	Solanaceous Commodity Survey	CAES
Connecticut	1S	2023-0041	Program Pest - Box Tree Moth Survey	CAES
Connecticut	5	2023-0050	Spotted Lanternfly Outreach	CAES
Connecticut	6	2023-0105	Enhancing Spotted Lanternfly Mitigation by Understanding the Timing of Egg Diapause Start and End	US Forest Service
Delaware	5	2023-0376	Delaware Spotted Lanternfly Outreach	Delaware Department of Agriculture
Delaware	6	2023-0077	Protection of North American ash against emerald ash borer with biological control: Measuring Natural Enemy Impacts	USDA ARS
Delaware	6	2023-0453	Preemptive biological control of a high-risk invasive longhorn beetle	USDA ARS
Florida	1S	2023-0254	Exotic Fruit Fly Survey	Florida Department of Agriculture and Consumer Services (FDACS)
Florida	1S	2023-0383	Tomato Commodity Survey	FDACS
Florida	2	2023-0124	O.C.E.A.N. (Online Commerce for Exotic Arthropods and Nurseries) Surfing	FDACS
Florida	2	2023-0240	Detector Dog Inspection and Enhanced Domestic Pest Detection	FDACS
Florida	3	2023-0382	Improved Surveillance and Molecular Diagnostic Bulk Processing Procedures for Helicoverpa armigera	University of Florida (U of F)
Florida	3	2023-0494	Improving Detection and Diagnostic Capacity for the Peach Root- Knot Nematode, Meloidogyne floridensis, in Florida	FDACS
Florida	3	2023-0499	Validation of morphometric information to differentiation between invasive Chrysodeixis chalcites and native C. includens	University of Florida - West Florida Research
Florida	5	2023-0500	Florida First Detector	U of F
Florida	6	2023-0028	Evaluating predatory plant bugs (Miridae) for biological control against the invasive South American tomato leafminer	University of California
Florida	6	2023-0048	Establishment and evaluation of Brazilian peppertree biological control	USDA ARS

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Florida	6	2023-0097	Overseas surveys, curation, and colonization of potential biological control agents of cogongrass (Imperata cylindrica)	USDA ARS
Florida	6	2023-0114	Biological Control of Cactus Moth, Cactoblastis cactorum (Berg)	FDACS
Florida	6	2023-0158	Investigating interactions between multiple biocontrol agents used to control the invasive plant air potato	U of F
Florida	6	2023-0331	Establishment and Evaluation of Air Potato Biological Control	FDACS
Florida	6	2023-0527	Phytosanitary Irradiation of Thripidae/ Phlaeothripidae and Pseudococcidae	USDA APHIS
Florida	6	2023-0535	Registration of Verticillium nonalfalfae to control tree-of-heaven	Pennsylvania State University
Florida	6	2023-0542	Postharvest Treatment Development for Apple Maggot Fly in Apples Using Saturated Steam Method	USDA APHIS
Georgia	1S	2023-0200	Forest Pest Survey	Georgia Department of Agriculture (GA DoA)
Georgia	1S	2023-0206	Field Crops Pest Survey	GA DoA
Georgia	1S	2023-0218	Nursery and Ornamental Survey	GA DoA
Georgia	5	2023-0193	First Detector Network in Georgia	University of Georgia
Guam	1S	2023-0485	Asian Defoliator Survey	University of Guam
Hawaii	2	2023-0215	Hawaii Detector Dog Program	Hawaii Department of Agriculture
Hawaii	3	2023-0308	Molecular diagnostic catalog for tracking invasive noctuid moth introductions in Hawaii	University of Hawaii - Manoa (U of H - Manoa)
Hawaii	3	2023-0421	Integrative identification methods for Bactrocera fruit flies (yr 3)	U of H - Manoa
Hawaii	3	2023-0422	Developing molecular diagnostic tools to determine strain and mating status of fruit fly incursions	USDA ARS
Hawaii	3	2023-0424	Identification of Oriental Fruit Fly Larvae & Trap Captures (yr 3)	U of H - Manoa
Hawaii	6	2023-0061	Field testing of bait stations containing a fungal pathogen to control invasive fruit flies	University of Hawaii
Hawaii	6	2023-0138	Development of protein food odor based chemical lure for female oriental fruit fly	USDA ARS
Hawaii	6	2023-0199	Optimizing Bacterial Probiotic Establishment for Medfly Sterile Insect Technique	USDA ARS
Hawaii	6	2023-0407	Developing an insecticide rotation to combat spinosad-resistance in three species of invasive Tephritidae fruit flies	University of Hawaii

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Hawaii	6	2023-0411	Management of hala scale in Hawaii, and survey of its potential biological control agents in its native range	University of Hawaii
Hawaii	6	2023-0423	Enhanced mitigation and rapid response to introduced snails, earthworms, and flatworms in Hawaii	Bishop Museum
Hawaii	6	2023-0150	Systems Approach for the Management of Coffee Berry Borer in Hawaii and Puerto Rico with Emphasis on Biological Control	USDA ARS
Idaho	6	2023-0103	PPA PCN Immunity	University of Idaho (U of ID)
Idaho	6	2023-0173	PPA Combatting PCN through genetic diversity and resistance	U of ID
Idaho	6	2023-0301	Nez Perce Tribe Bio-control Project-Noxious/Invasive Weed Survey and Control	Nez Perce Tribe-Biocontrol Center
Idaho	6	2023-0302	Protecting the US potato industry against exotic viroid pathogens impacting potato trade	U of ID
Illinois	1S	2023-0326	Orchard Commodity Survey	University of Illinois (U of IL)
Illinois	1S	2023-0330	High Risk Pathway Survey	U of IL
Illinois	5	2023-0164	Forest Pest Outreach	The Morton Arboretum
Indiana	1S	2023-0020	Exotic Woodborer and Bark Beetle Survey	Indiana DNR Division of Entomology and Plant Path (IN DNR - E&PP)
Indiana	1S	2023-0186	Specialty Crop Survey	IN DNR - E&PP
Indiana	5	2023-0032	Forest Pest Outreach and Survey Project FY2023	Indiana Department of Natural Resources
Iowa	1A	2023-0159	Seed Health Dashboard: Monitoring Seed Imports for Pests of Phytosanitary Concern	Iowa State University
Iowa	1S	2023-0099	Walnut Twig Beetle and Thousand Cankers Disease Survey	Iowa Department of Natural Resources
Kansas	1S	2023-0013	Grape Commodity Survey	Kansas Department of Agriculture (KS DoA)
Kansas	1S	2023-0023	Walnut Twig Beetle/Thousand Canker Disease Survey	KS DoA
Kentucky	1S	2023-0054	Grape Commodity Survey	University of Kentucky Research Foundation (UNK-RF)
Kentucky	1S	2023-0132	Orchard Commodity Survey	UNK-RF
Kentucky	1S	2023-0136	Solanaceous Commodity Survey	UNK-RF
Kentucky	1S	2023-0137	Program Pest - Phytophthora ramorum Nursery Survey	UNK-RF

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Kentucky	1S	2023-0139	Exotic Wood Borer/Bark Beetle Survey	UNK-RF
Kentucky	5	2023-0142	Invasive Pest Outreach: Focus Firewood	UNK-RF
Kentucky	5	2023-0232	Invasive Pest Outreach	UNK-RF
Kentucky	5	2023-0234	Spotted Lanternfly Outreach	UNK-RF
Kentucky	6	2023-0233	The Japanese beetle control near airports and cargo transportation facilities: Field Testing	University of Kentucky
Kentucky	6	2023-0432	Field trial to evaluate EAB specific gene silencing as a component of an IPM program to save ash	University of Kentucky
Louisiana	1S	2023-0047	Solanaceous Commodity Survey	Louisiana Department of Agriculture and Forestry (LA DoAF)
Louisiana	1S	2023-0080	Citrus Commodity Survey	LA DoAF
Louisiana	1S	2023-0081	Sudden Oak Death Survey	LA DoAF
Maine	1S	2023-0127	Pathway Survey for Pests of Multiple Agricultural Systems	Maine Department of Agriculture, Conservation and Forestry (MDACF)
Maine	1S	2023-0274	Cyst Nematode Survey	MDACF
Maine	1S	2023-0296	Exotic Wood Borer/Bark Beetle Survey	MDACF
Maine	5	2023-0036	Hemlock Stewards Northeast: Building Strong Foundations for Healthy Watersheds	Gulf of Maine Research Institute
Maine	5	2023-0181	Invasive Forest Pest Outreach and Education	Cumberland County Soil & Water Conservation District
Maine	5	2023-0257	Tribes in Maine Invasive Species Project (TMISP)	University of Maine
Maine	5	2023-0262	Slowing the Spread of Invasive Plants Through Education and Outreach to Nurseries, Greenhouses and Garden Centers	MDACF
Maine	5	2023-0531	Increasing Awareness of Firewood Movement as Pathway for Invasive Forest Pests	MDACF
Maryland	1A	2023-0096	Improving predictive modeling and surveillance allocation with the Cost-Effective Surveillance Allocation Tool 2.0	University of Maryland, College Park (UM-CP))
Maryland	1A	2023-0110	Risk analysis of invasive weeds acting as pathways for the spread of foreign plant pathogens	USDA ARS
Maryland	1A	2023-0216	Estimating Costs and Success of Pest Eradication Programs	UM-CP
Maryland	1S	2023-0176	2023 PPA 7721 Maryland Nursery and Ornamental Survey	Maryland Department of Agriculture (MDA)

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Maryland	1S	2023-0179	2023 PPA 7721 Maryland Phytophthora ramorum Nursery Survey	MDA
Maryland	1S	2023-0477	Maryland Asian Defoliator Survey	MDA
Maryland	1S	2023-0478	Walnut Twig Beetle/Thousand Cankers Disease Survey of Maryland	MDA
Maryland	1S	2023-0479	Oak commodity survey of Maryland	MDA
Maryland	3	2023-0134	Development of CRISPR-Cas13-based methods for sensitive detection of three quarantine significant sugarcane viruses	University of Maryland
Maryland	3	2023-0241	Adaption of an isothermal recombinase polymerase amplification assay for detection of Phytophthora ramorum in irrigation	NORS-DUC
Maryland	3	2023-0276	Development and enhancement of plant DNA virus detection protocols using high throughput sequencing	USDA APHIS
Maryland	3	2023-0280	Development of a targeted metabarcoding method for the identification of 'Candidatus phytoplasma sp.'	USDA APHIS
Maryland	3	2023-0349	Development of a Universal Proficiency Test kit for Flexible Methods-based Laboratory Certification	USDA APHIS
Maryland	3	2023-0506	Systematic studies of Mycosphaerellaceae fungi on plants and plant products intercepted at the U.S. ports of entry	USDA APHIS
Maryland	3	2023-0558	Imaging and Georeferencing of Undocumented Plant Pathogens	USDA ARS
Maryland	6	2023-0034	Regional to National Post-Release Evaluation of Emerald Ash Borer Biological Control	University of Maryland
Maryland	6	2023-0214	Field Release and Evaluation of Ramularia crupinae for the Management of Noxious Crupina vulgaris Populations	USDA ARS
Massachusetts	1S	2023-0172	Phytopthora ramorum Nursery Survey	Massachusetts. Department of Agricultural Resources (MA DoAR)
Massachusetts	3	2023-0183	Develop a solar powered UVA LED light trap for improved AGM detection and surveillance	USDA APHIS
Massachusetts	5	2023-0329	Asian longhorned beetle (ALB) outreach campaign	USDA APHIS
Massachusetts	5	2023-0469	Forest and Agricultural Pest Outreach	MA DoAR
Massachusetts	5	2023-0476	Spotted Lanternfly Outreach	MA DoAR

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Massachusetts	6	2023-0294	Developing biological control methods for Roseau cane scale	USDA APHIS
Massachusetts	6	2023-0348	Classical Biological Control of Box Tree Moth	USDA APHIS
Michigan	1S	2023-0315	Program Pest - Pale Cyst Nematode / Golden Nematode Survey	Michigan Department of Agriculture and Rural Dev. (MI DoA&RD)
Michigan	1S	2023-0366	Program Pest - Phytophthora ramorum Nursery Survey	MI DoA&RD
Michigan	1S	2023-0317	Forest Pest Survey	MI DoA&RD
Michigan	1S	2023-0511	Fruit Crop Pest Survey	MI DoA&RD
Michigan	3	2023-0115	Year 2: Revision of Euwallacea species limits for improved diagnostics of potential invasive species.	Michigan State University
Minnesota	1S	2023-0101	Vegetable Crops, Vegetable Crops Pest Survey (Agricultural Pathways Survey of Fruit and Vegetable Pests)	Minnesota Department of Agriculture (MN DoA)
Minnesota	1S	2023-0102	Taxon, Cyst Nematode Survey	MN DoA
Minnesota	1S	2023-0108	Nursery and Retail Plants Pest Survey	MN DoA
Minnesota	5	2023-0153	Invasive Pest Outreach and First Detector	MN DoA
Mississippi	1S	2023-0266	Asian Defoliator Survey	Mississippi State University (MSU)
Mississippi	1S	2023-0356	Pine Commodity Survey	Mississippi Department of Agriculture
Mississippi	1S	2023-0458	Palm Survey	MSU
Mississippi	3	2023-0463	Eastern Regional Screening Center	MSU
Mississippi	5	2023-0454	Educator Boxes - Insect Invasion	MSU
Mississippi	5	2023-0456	Bug Blues Outreach Program	MSU
Mississippi	5	2023-0462	Farmer and Nursery Education Program	MSU
Missouri	1S	2023-0128	Thousand Canker Disease	Missouri Department of Agriculture
Montana	1S	2023-0412	Montana Mollusk Survey	Montana Department of Agriculture (MT DoA)
Montana	1S	2023-0413	Montana Exotic Woodboring Beetle and Bark Beetle Survey	MT DoA
Montana	1S	2023-0414	Montana Nursery and Ornamental Plant Survey	MT DoA
Montana	5	2023-0248	Don't Move Firewood Outreach Campaign	The Nature Conservancy
Montana	6	2023-0538	Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana	Montana State University

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Nebraska	1S	2023-0141	Khapra Beetle	Nebraska Department of Agriculture (NE DoA)
Nebraska	1S	2023-0152	Potato Cyst Nematode	NE DoA
Nevada	1S	2023-0064	Cyst Nematode Survey	Nevada Department of Agriculture (NV DoA)
Nevada	1S	2023-0082	Solanaceous Commodity Survey	NV DoA
Nevada	1S	2023-0083	Program Pest - Phytophthora ramorum Nursery Survey	NV DoA
Nevada	1S	2023-0304	Asian Defoliator Survey	NV DoA
Nevada	1S	2023-0507	Vegetable Crops Pest Survey	NV DoA
Nevada	1S	2023-0514	Khapra Beetle Survey	NV DoA
Nevada	1S	2023-0518	Palm Commodity Survey	NV DoA
Nevada	5	2023-0545	Nevada Invasive Pest Outreach	NV DoA
New Hampshire	1S	2023-0089	Forest Pest Survey	New Hampshire Department of Agriculture, Markets & Food (NH DoAM&F)
New Hampshire	1S	2023-0093	Nursery and Ornamental Survey	NH DoAM&F
New Hampshire	1S	2023-0109	Vegetable Crops Pest Survey	NH DoAM&F
New Hampshire	5	2023-0116	NH Spotted Lanternfly Outreach	NH DoAM&F
New Hampshire	6	2023-0098	Advancing blueberry plant protection: creating identification and monitoring tools for parasitoids of blueberry gall midge	University of New Hampshire
New Jersey	1S	2023-0546	Mollusk Survey	New Jersey Department of Agriculture (NJ DoA)
New Jersey	5	2023-0555	NJ Spotted Lanternfly Public Outreach and Business Awareness Program	NJ DoA
New Mexico	1S	2023-0264	Nut Pest Survey	New Mexico Department of Agriculture
New York	1S	2023-0334	Orchard Commodity Survey	New York State Department of Agriculture & Markets (NYS AGM)
New York	1S	2023-0338	Grape Commodity Survey	NYS AGM
New York	1S	2023-0343	Stone Fruit Commodity Survey	NYS AGM
New York	1S	2023-0352	Box Tree Moth Survey	NYS AGM
New York	3	2023-0242	NPDN and State Diagnostician Preparedness Training through the USDA-APHIS-Beltsville Laboratory and other experts.	Cornell University

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New York	3	2023-0375	NPDN & State Diagnostician Preparedness Training in Morphological Fungal Identification by USDA-APHIS-NIS Scientists	Cornell University
New York	5	2023-0516	Spotted Lanternfly Outreach and Education	Cornell University
New York	5	2023-0386	Box Tree Moth Outreach and Education Program	NYS AGM
New York	6	2023-0225	Saint Regis Mohawk Tribe EAB Emergency Response Y3 Project	Saint Regis Mohawk Tribe
New York	6	2023-0403	Deregulation and Enhanced Regulatory Activities of Golden Nematode (Globodera rostochiensis) in NY	NYS AGM
North Carolina	1A	2023-0354	Automated host mapping tool for spread modeling and field operations planning	North Carolina State University (NCSU)
North Carolina	1A	2023-0371	Simulating pest leakage and spatio-temporal propagule pressure to improve phytosanitary program design and evaluation us	NCSU
North Carolina	1A	2023-0378	Adding value of information modules to the Eradication Analysis & Decision Support tool	NCSU
North Carolina	1A	2023-0468	Developing new predictive modeling approaches to estimate plant pest suitability	NCSU
North Carolina	1A	2023-0474	Assessing climate suitability and developing methods to incorporate potential climate change impacts for the CAPS pests	NCSU
North Carolina	1A	2023-0480	Trade Route Analytic Computing and Evaluation (TRACE)	NCSU
North Carolina	1A	2023-0486	Analytical support for OPEP assessments and CAPS datasheets	NCSU
North Carolina	1A	2023-0491	Development of an automated information retrieval and analysis (AIRA) model for monitoring global exotic pest activity	NCSU
North Carolina	1S	2023-0246	Solanaceous Commodity Survey	North Carolina Department of Agriculture & Conservation Services (NC DoA&CS)
North Carolina	1S	2023-0249	Phytophthora ramorum Nursery Survey	NC DoA&CS
North Carolina	1S	2023-0489	Grape Commodity Survey	NC DoA&CS
North Carolina	1S	2023-0492	Asian Defoliator Survey	NC DoA&CS
North Carolina	1S	2023-0493	Program Pest - Box Tree Moth	NC DoA&CS

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North Carolina	3	2023-0290	Deployment and field testing of a sensor integrated platform for monitoring emerging Phytophthora diseases	NCSU
North Carolina	5	2023-0498	Invasive Species Outreach	NC DoA&CS
North Carolina	6	2023-0337	Establishing and Assessing Biological Control Agents of Emerald Ash Borer in North Carolina	NCSU
North Carolina	6	2023-0487	Completion and delivery of the delimitation survey expert system (DSES) for new pest response	NCSU
North Dakota	1S	2023-0024	General Cyst Nematode	North Dakota Department of Agriculture (ND DoA)
North Dakota	1S	2023-0025	Program Pest Survey, Potato Cyst Nematode	ND DoA
North Dakota	1S	2023-0084	Grape Commodity Survey ND	North Dakota State University
Ohio	1A	2023-0192	Mapping the risk of beech leaf disease	The Ohio State University
Ohio	1S	2023-0322	Phytophthora ramorum Nursery Soil/Container Mix and Retail Plant Survey	Ohio Department of Agriculture (OH DoA)
Ohio	1S	2023-0323	Grape Commodity Survey	OH DoA
Ohio	1S	2023-0328	Orchard Commodity Survey	OH DoA
Ohio	1S	2023-0530	Surveillance of Spotted Lanternfly in High-Risk Transportation Sites in Eastern Ohio	Franciscan University of Steubenville
Ohio	4	2023-0475	Prediction Modeling of Lanternfly-infected Geranium by *Ralstonia* solanacearum	The Ohio State University
Ohio	5	2023-0086	Forest Pest Outreach	OH DoA
Oklahoma	1S	2023-0037	Phytophthora ramorum Nursery Survey	Oklahoma Department of Ag, Food and Forestry
Oregon	1S	2023-0415	Asian moth defoliator survey	Oregon Department of Agriculture (OR DoA)
Oregon	1S	2023-0470	Oregon Exotic Woodborer/bark beetle & Vespa hornet survey	OR DoA
Oregon	1S	2023-0471	Oregon Orchard Commodity survey	OR DoA
Oregon	1S	2023-0472	Oregon Solanaceous Survey	OR DoA
Oregon	3	2023-0459	Oregon National Identification Center for Support of CAPS and Other Surveys	OR DoA
Oregon	4	2023-0548	Optimizing certification and quarantine protocols for Fragaria and Rubus nursery production and plant material movement	USDA ARS
Oregon	4	2023-0552	Potential Pathways of Virus Introduction	OR DoA

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Oregon	4	2023-0279	Strawberry Nursery Production	USDA ARS
Oregon	4	2023-0541	Using NGS to Verify Virus Free Status of Legacy Material (yr 2)	OR DoA
Oregon	6	2023-0155	Synthetic bread dough odor as a novel tool for managing and detecting invasive gastropods	Oregon State University
Oregon	6	2023-0466	Deploying a Rapid Response Biocontrol Strategy against Emerald Ash Borer in Oregon	OR DoA
Oregon	6	2023-0467	Biological Control of Spotted Wing Drosophila in Oregon	OR DoA
Oregon	6	2023-0035	Railyard Inspection Survey for SLF and other Hitchhiking Pests	OR DoA
Pennsylvania	1A	2023-0175	Analysis of National Native and Nonnative Bee and Wasp Data	Pennsylvania Department of Agriculture (PA DoA)
Pennsylvania	1S	2023-0001	Orchard Commodity Disease Survey	PA DoA
Pennsylvania	1S	2023-0161	Solanaceous Commodity Survey	PA DoA
Pennsylvania	1S	2023-0162	Small Fruit Pest Survey	PA DoA
Pennsylvania	1S	2023-0163	Program Pest - Phytophthora ramorum Nursery Survey and regional support	PA DoA
Pennsylvania	1S	2023-0207	Program Pest - Cucumber Green Mottle Mosaic Virus Survey	PA DoA
Pennsylvania	1S	2023-0221	Box Tree Moth Survey	PA DoA
Pennsylvania	1S	2023-0227	Grape Commodity Survey	PA DoA
Pennsylvania	1S	2023-0229	Stone Fruit Commodity Survey	PA DoA
Pennsylvania	3	2023-0038	FY2023 Screening and Identification Services for Wood-boring Insect Pests at Carnegie Museum	Carnegie Museum of Natural History
Pennsylvania	3	2023-0390	Nonnative Wasp Survey	PA DoA
Pennsylvania	4	2023-0497	Enhancement of established and development of new nursery stock certification programs	PA DoA
Pennsylvania	5	2023-0088	Forest Pest Outreach (FPO) FY2023	PA DoA
Pennsylvania	5	2023-0528	Spotted Lanternfly Outreach	Pennsylvania State University
Pennsylvania	6	2023-0140	Developing state risk map web applications to rapidly find and respond to properties with spotted lanternfly outbreaks	Temple University
Puerto Rico	3	2023-0104	Incorporating whole genome analysis to characterize Helicoverpa hybridization status	CEQUIS, University of Puerto Rico
Rhode Island	1S	2023-0171	Vegetable Crops Pest Survey	RI DEM Division of Agriculture (RI DEM DoA)
Rhode Island	1S	2023-0177	Grape Commodity Survey	RI DEM DoA
Rhode Island	1S	2023-0224	Program Pest - Phytophthora ramorum Nursery Survey	RI DEM DoA

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Rhode Island	1S	2023-0563	Orchard Commodity Survey	University of Rhode Island
Rhode Island	5	2023-0564	Rhode Island Invasive Pest Outreach	University of Rhode Island
South Carolina	1S	2023-0385	Grape Commodity Survey	Clemson University Department of Plant Industry (Clemson DPI)
South Carolina	1S	2023-0395	Stone Fruit commodity survey	Clemson DPI
South Carolina	1S	2023-0398	Phytophthora ramorum Nursery Survey	Clemson DPI
South Carolina	1S	2023-0405	Citrus Commodity Survey	Clemson DPI
South Carolina	5	2023-0342	Southeastern Regional Forest Health and Invasive Species Education Program	Clemson University
South Carolina	5	2023-0406	Targeted Outreach for Constructive Public Reporting	Clemson DPI
Tennessee	1S	2023-0185	Tennessee Asian Defoliator Survey	University of Tennessee at Martin
Tennessee	1S	2023-0251	Phytophthora ramorum nursery survey	Tennessee Department of Agriculture (TN DoA)
Tennessee	1S	2023-0368	Multi State Vascular Streak Dieback Detection Survey	TN DoA
Tennessee	3	2023-0309	Protocol Development for the Isolation, Detection, and Identification of Causal Agent of Vascular Streak Dieback (VSD)	Tennessee State University
Tennessee	5	2023-0341	Invasive Pest Educational Outreach	TN DoA
Tennessee	5	2023-0418	Forest Pest Outreach and Survey Project (FPOSP), Tennessee, FY23	University of Tennessee
Tennessee	6	2023-0425	Post-Release Aftermath Assessment of Biological Control of Emerald Ash Borer in a Southern Climate (Tennessee)	University of Tennessee
Texas	1S	2023-0231	Texas Asian Defoliator Survey	Sam Houston State University
Texas	1S	2023-0267	Texas Field Survey for Corn and Small Grain Priority Pests	Sam Houston State University
Texas	1S	2023-0360	FY23 Stone Fruit Survey - TX	Texas A&M Agrilife Extension Service
Texas	1S	2023-0364	FY23 Grape Commodity Survey - TX	Texas A&M AgriLife Extension Service
Texas	3	2023-0380	CRISPR-based diagnostics for identification of lepidopteran pests	University of Florida
Texas	5	2023-0078	Mexican Fruit Fly Public Outreach in Texas	TX Citrus Pest & Disease Management Corp
Texas	5	2023-0265	Continuation of Citrus Disease and Pest Educational, Public Outreach and Management Program in Gulf Coastal counties	Sam Houston State University

State	Goal	Suggestion No.	Project Title	Cooperator Entity
Texas	5	2023-0526	Enhancing Outreach Tools and Opportunities	USDA APHIS
Texas	6	2023-0118	Biological Control of Brazilian Peppertree in the United States FY2023	USDA APHIS
Texas	6	2023-0211	Deployment of bait stations as key component of systems approach for the eradication program of Mexfly in Texas	Texas A&M University Kingsville
Texas	6	2023-0292	Non-hydrolytic synthesis of magnetite (FE_3O_4) nanoparticles functionalized with 1-dodecyl xanthate and their efficacy ag	Sam Houston State University
Texas	6	2023-0384	Application of Nano-therapeutics for the Treatment of HLB	Baylor University
Texas	6	2023-0394	Developing Assays to Distinguish Radiated Sperm from Wild Mexican Fruit Flies	Baylor University
Texas	6	2023-0430	Targeted antimicrobials to maximize the production and health of Anastrepha ludens, the Mexican fruit fly	North Carolina State University
Texas	6	2023-0431	A CRISPR-based antimicrobial for the targeted removal of bacterial plant pathogens.	North Carolina State University
Texas	6	2023-0512	Novel deployment strategy of MalEX, an attract and kill strategy for the control of citrus leafminer	Texas A&M University-Kingsville
Texas	6	2023-0544	Temperature inducible precision guided sterile insect technique (TI-pgSIT) for tephritid control	University of California, San Diego
Utah	1S	2023-0004	Orchard Commodity Survey	Utah State University
Utah	1S	2023-0059	Asian Defoliator Survey	Utah State University
Utah	3	2023-0194	Effects of pest monitoring traps on genetic diversity, colony abundance, and lineage survival of pollinator populations	Utah State University
Utah	3	2023-0310	New Methods for Exotic Bee Monitoring using DNA Barcoding and MinION Sequencing	USDA ARS
Utah	5	2023-0106	Invasive Pest Outreach	Utah State University
Vermont	1S	2023-0100	Exotic Wood Borer/Bark Beetle Survey	Vermont Agency of Agriculture, Food and Markets (VT AoAF&M)
Vermont	1S	2023-0263	Asian Defoliator Survey	VT AoAF&M
Vermont	1S	2023-0273	Phytophthora ramorum Nursery Survey	VT AoAF&M
Vermont	1S	2023-0295	Fruit Crops Pest Survey	University of Vermont (UoV)
Vermont	5	2023-0205	Forest Pest Outreach Project	UoV

State	Goal	Suggestion No.	Project Title	Cooperator Entity
Virginia	1S	2023-0245	Phytophthora ramorum Nursery Survey	VA Department of Agriculture and Consumer Services (VA DoA & CS)
Virginia	1S	2023-0291	Grape Commodity Survey	VA DoA & CS
Virginia	1S	2023-0300	Forest Pest Survey	VA DoA & CS
Washington	1S	2023-0094	Pathway Survey for Pests of Multiple Agricultural Systems	Washington State Department of Agriculture (WA State DoA)
Washington	1S	2023-0156	Asian Defoliator Survey	WA State DoA
Washington	1S	2023-0182	2023 WSDA Terrestrial Mollusk Survey	WA State DoA
Washington	1S	2023-0362	Grape Commodity Survey	WA State DoA
Washington	3	2023-0107	WSDA Exotic Pest Survey Identification Center	WA State DoA
Washington	3	2023-0123	Molecular research to support the Northern Giant Hornet (NGH) response	WA State DoA
Washington	3	2023-0125	Molecular characterization of 16SrV group phytoplasmas in WA State to assess risks to economically valuable crops	WA State DoA
Washington	3	2023-0391	Identification of new 'Ca. L. solanacearum' plant pathogens and their psyllid vectors and plant hosts in the NW U.S.	USDA ARS
Washington	4	2023-0223	Mitigating the risks of X-disease phytoplasma introduction and transmission in the nursery environment.	Washington State University
Washington	4	2023-0269	Little Cherry Disease Survey of X-Disease Phytoplasma in Washington's Certified Prunus Nurseries	WA State DoA
Washington	5	2023-0303	Increasing Native Vigilance, Awareness, and Surveillance of Invasives via Education and Resources (INVASIVE-R) Project	Washington State University
Washington	6	2023-0187	Washington State Northern Giant Hornet Response	WA State DoA
Washington	6	2023-0203	Lymantria dispar asiatica Precision Delimit and Post-treatment Response in Washington State	WA State DoA
West Virginia	1S	2023-0316	Asian Defoliator Survey	West Virginia Department of Agriculture (WV DoA)
West Virginia	1S	2023-0318	Solanaceous Commodity Survey	WV DoA
West Virginia	1S	2023-0319	Phytophthora ramorum Nursery Survey	WV DoA
West Virginia	5	2023-0320	Invasive Pest Outreach	WV DoA

State	Goal	Suggestion No.	Project Title	Cooperator Entity
West Virginia	6	2023-0204	Enhanced Mitigation and Rapid Response to Reduce Spread and Impact of SLF in the US: Novel Bio-Based Monitoring Tools	USDA ARS
Wisconsin	1S	2023-0016	Forest Pest Survey	State of Wisconsin
Wisconsin	1S	2023-0154	WI FY23 Tribal Forest Pest Survey	Wisconsin Tribal Conservation Advisory Council
Wisconsin	1S	2023-0226	Potato Cyst Nematode Survey	University of Wisconsin- Madison (UW - Madison)
Wisconsin	4	2023-0244	Protocols to Ensure Ornamental Plant Growing Medium is Free of Ralstonia solanacerum R3bv2	UW - Madison
Wisconsin	5	2023-0270	Wisconsin Forest Pest Disease Outreach Initiative	Wisconsin DATCP
Wisconsin	5	2023-0317	Improving monitoring for impactful pests in Wisconsin	UW Madison
Wisconsin	5	2023-0332	WI FY23 Tribal Outreach	Wisconsin Tribal Conservation Advisory Council
Wisconsin	6	2023-0377	WI FY23 Tribal Rapid Response	Wisconsin Tribal Conservation Advisory Council

National

Goal	Suggestion No.	Title	Cooperator Entity
1S	2023-0019	Survey Supplies Procurement Program (Traps and Lures)	USDA APHIS
1S	2023-0252	National Survey of Honey Bee Pests and Diseases	USDA APHIS
2	2023-0509	PPA 7721 Canine Team Training	USDA APHIS
5	2023-0335	Citrus Health Outreach	USDA APHIS
5	2023-0488	Continuation of Hungry Pests Program	USDA APHIS
5	2023-0521	PlayCleanGo® Campaign Engagement and Expansion	North American Invasive Species Management Association
6	2023-0484	Enhance Exotic Plant-Pest Mitigation and Response by Developing New Pest Response Guidelines	North Carolina State University

Tribal Nations

Goal	Suggestion No.	Title	Cooperator Entity
1S	2023-0154	WI FY23 Tribal Forest Pest Survey	Wisconsin Tribal Conservation Advisory Council
5	2023-0332	WI FY23 Tribal Outreach	Wisconsin Tribal Conservation Advisory Council
5	2023-0257	Tribes in Maine Invasive Species Project (TMISP)	University of Maine
6	2023-0225	Saint Regis Mohawk Tribe EAB Emergency Response Y3 Project	Saint Regis Mohawk tribe
6	2023-0377	WI FY 23 Tribal Rapid Response	Wisconsin Tribal Conservation Advisory Council
6	2023-0301	Nez Perce Tribe Bio-control Project-Noxious/Invasive Weed Survey and Control	Nez Perce Tribe-Biocontrol Center

Rapid Response

Goal	Suggestion No.	Title	Cooperator Entity
6R	2023-0568	Oriental Fruit fly Quarantine and Eradication Activities	CDFA
6R	2023-0569	Mexfly Quarantine and Eradication Activities	USDA APHIS
6R	2023-0570	Mexfly and OFF Quarantine and Eradication Activities	USDA APHIS
6R	2023-0374	Delaware Spotted Lanternfly Survey and Control	Delaware Department of Agriculture
6R	2023-0256	Invasive Phytophagous Snail and Slug Survey	FDACS
6R	2023-0257	Giant African Land Snail Eradication in Pasco County, FL	FDACS
6R	2023-0451	Guam Ports of Entry Coconut Rhinoceros Beetle Interdiction and Management Plan	University of Guam
6R	2023-0165	CRB Response Hawaii	University of Hawaii
6R	2023-0446	Canine detection of coconut rhinoceros beetle in Hawaii	University of Hawaii
6R	2023-0180	2023 PPA 7721 Maryland Spotted Lanternfly Survey, Treatment, and Outreach Program	MDA
6R	2023-0572	BTM monitoring, regulation and research	MI DoA&RD
6R	2023-0573	BTM monitoring, regulation and research	USDA APHIS
6R	2023-0250	Spotted Lanternfly Mitigation and Rapid Response in North Carolina	NC DoA&CS
6R	2023-0392	Spotted Lanternfly Survey, Treatment, & Regulatory	NYS AGM
6R	2023-0571	BTM monitoring, regulation and research	USDA APHIS
6R	2023-0561	Invasive Pest Response: Spotted Lanternfly	OH DoA
6R	2023-0151	Spotted Lanternfly Management	PA DoA
6R	2023-0565	Critical Entry Point Monitoring for the Pests of Biosecurity Concern	TDA
6R	2023-0212	VDACS Spotted Lanternfly Survey, Treatment and Outreach Program	VDACS
6R	2023-0566	Washington State Vineyard Snail Eradication	WA State DoA
6R	2023-0321	Spotted Lanternfly	WV DoA