



Plant Protection Act Section 7721 Fiscal Year 2024 Spending Plan

Plant Pest and Disease Management and
Disaster Prevention Program

January 2024

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Summary

The U.S. Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS) is allocating \$70.725 million to support 374 projects under the Plant Protection Act's Section 7721 (PPA 7721) to strengthen the nation's infrastructure for pest detection and surveillance, identification, threat mitigation, and safeguard the nursery production system. This amount includes \$62.975 million to fund 353 projects for the Plant Pest and Disease Management and Disaster Prevention Program (PPDMDPP). This amount includes direct program costs. Approximately \$11 million of the PPDMDPP funding will be reserved for responding to pest and plant health emergencies throughout the year. Selected projects will be carried out by State and Federal agencies, Tribal nations, nongovernmental organizations, and private entities in all 50 states, the District of Columbia, Guam, Northern Mariana Islands, and Puerto Rico. By working with these collaborators, USDA will leverage and extend its ability to protect, detect, and respond to plant pests and diseases at local and regional levels.

Since 2009, USDA has supported more than 5,520 projects and provided nearly \$870 million in PPA 7721 PPDMDPP funding. These projects have played a significant role in our efforts to protect American agriculture and educate the public about the threat posed by invasive species. The PPA 7721 received 504 project submissions for PPDMDPP funding totaling more than \$106 million in funding requests during the eight-week open period last summer. USDA is funding approximately 71 percent of the PPDMDPP projects suggested. USDA appreciates all the suggestions received and recognizes the great interest in carrying out work that helps protect U.S. agriculture and the environment from invasive plant pests and pathogens. We thank all applicants for their interest in the PPA 7721 funding.

Information for Cooperators

Congratulations on receiving funding approval for your project suggestion under the PPDMDPP! In this FY2024 Spending Plan, you will find our funding level by the project submission's title and state listed on the application. If your project is national in scope, you can view your funding level by searching for the project's title under the 'National' section. Note: Sub-cooperators should contact the main project applicant to determine if you were approved for funding.

As a next step, USDA will assign the Agency Authorized Departmental Officer's Designated Representative (ADODR) to each project to guide the cooperative agreement process. The ADODR will contact you in the coming weeks to collaboratively work on the project work plan and financial plan.

In the meantime, if you have not had a previous APHIS cooperative agreement, please obtain an ezFedGrants account. All APHIS cooperative agreements are required to be processed and completed using ezFedGrants. PPA 7721 funding recipients must have an eAuthentication (eAuth) account with Level 2 access to use the system. For additional information, please reference the ezFedGrants user guide or visit [the USDA's ezFedGrants website](#).

Funding by Goal Area

Goal	Goal Area Description	Funding Level
1A	Enhance Plant Pest/Disease Analysis	\$1,965,285
1S	Enhance Plant Pest/Disease Survey	\$15,725,046
2	Target Domestic Inspection Activities at Vulnerable Points in the Safeguarding Continuum	\$6,350,000
3	Pest Identification and Detection Technology Enhancement	\$5,297,975
4	Safeguard Nursery Production	\$2,000,000
5	Outreach and Education	\$4,122,798
6	Enhance Mitigation Capabilities	\$13,572,290
Reserve	Reserve Funding	\$1,545,290

Note: Additional funding includes Rapid Response and direct costs (\$12,396,316)

Funding by State

Alabama

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0005	Exotic Wood Borer/Bark Beetle Survey	Alabama Department of Agriculture and Industries (ADAI)	\$22,000
1S	2024 - 0015	Phytophthora ramorum Survey	ADAI	\$18,000
1S	2024 - 0019	Grape Commodity Survey	ADAI	\$21,000
1S	2024 - 0040	Asian Defoliator Survey	ADAI	\$22,500
5	2024 - 0479	Invader Raiders Youth Outreach & Education	ADAI	\$24,539
Total				\$108,039

Alaska

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0175	Asian Defoliator Survey	State of Alaska Division of Agriculture	\$95,000
5	2024 - 0522	First detector training and engagement in Alaska	University of Alaska Fairbanks	\$39,782
Total				\$134,782

Arizona

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0010	Nursery & Retail, Greenhouse Crops Pest Survey	Arizona Department of Agriculture	\$150,000
1S	2024 - 0162	Grape Commodity Survey	University of Arizona – Board of Regents	\$35,442
6	2024 - 0568	Sonic Weaponry for Managing Rangeland Grasshoppers and Mormon Crickets: Year 4	APHIS	\$104,000
Total				\$289,442

Arkansas

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0508	Stone Fruit and Grape Commodity Insect Pests Survey	University of Arkansas System Division of Agriculture	\$29,245
5	2024 - 0228	Forest Pest Outreach	Arkansas Department of Agriculture	\$14,000
Total				\$43,245

California

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0238	A new resource to make previously hidden data easily accessible for surveillance of the <i>Ralstonia solanacearum</i> select agent	University of California, Davis	\$216,800
1S	2024 - 0355	Spotted Lanternfly Survey	California Department of Food and Agricultural (CDFA)	\$100,000
1S	2024 - 0363	Program Pest - Cucumber Green Mottle Mosaic Virus Survey	CDFA	\$16,841
1S	2024 - 0367	Solanaceous Commodity Survey	CDFA	\$100,000
1S	2024 - 0411	Exotic Fruit Fly Survey	CDFA	\$5,000,000
1S	2024 - 0422	Grape Commodity Survey	CDFA	\$430,000
1S	2024 - 0428	Asian Defoliating Moth Survey	CDFA	\$400,000
1S	2024 - 0429	Nursery and Ornamental Survey	CDFA	\$160,000
2	2024 - 0252	California Detector Dog Teams Program	CDFA	\$4,099,379
2	2024 - 0290	Asian Citrus Psyllid Detector Canine Program for California and Arizona	Canine Detection Services	\$800,000
3	2024 - 0245	Enhancing diagnostics of plant parasitic nematodes	CDFA	\$36,043

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
3	2024 - 0248	Enhancing diagnostics of cyst forming nematodes of the genus <i>Globodera</i>	CDFA	\$25,106
3	2024 - 0308	SMART Trap for Remote Detection and Notification of Northern Giant Hornet	BeeHero Inc.	\$83,250
3	2024 - 0410	Validation of area-wide triage HLB screening by “the citrus grove protection program”	Technology Evolving Solutions	\$160,000
3	2024 - 0490	Implementing singleplex and multiplex qPCR assays in the detection of prokaryote, virus, and viroid pathogens in citrus	University of California, Riverside (UC-Riverside)	\$143,072
3	2024 - 0547	Diagnostic tools for quarantine significant bean beetles in the Old-World genus <i>Callosobruchus</i> (<i>Chrysomelidae: Bruchinae</i>)	University of San Diego	\$174,204
3	2024 - 0564	Developing attractants for Mexican fruit fly	USDA ARS	\$235,495
4	2024 - 0082	Improvement of Plant Indicator Growth for Bioindexing to Exclude Pathogens from the Production of Germplasm Source Trees	UC-Riverside	\$112,533
4	2024 - 0199	Strawberry nursery production in the U.S.: What are the high risk viruses circulating in the system?	University of California, Davis	\$240,000
4	2024 - 0274	NORS-DUC research nursery for quarantine plant pathogens	Dominican University of California	\$315,000
4	2024 - 0431	Development of IPM & Regulatory Treatment Tools to Suppress & Slow the Spread of Box Tree Moth incursions in the U.S.	USDA APHIS	\$533,630
5	2024 - 0297	Citrus Pest and Disease Outreach	CDFA	\$147,244
5	2024 - 0409	Tropi-STOP (<i>Tropilaelaps</i> -Specific Targeted Outreach Program)	Pollinator Partnership	\$69,231
5	2024 - 0413	Enhancing U.S. Citrus Nursery Sustainability: Collaborative Stakeholder Alignment & Engagement	UC-Riverside	\$103,302
6	2024 - 0347	Proactive Classical Biological Control of South American tomato pinworm in California	CDFA	\$198,665
6	2024 - 0425	Emergency Plant Health Response Teams	CDFA	\$2,000,000
6	2024 - 0437	Postharvest treatments for spotted lanternfly	USDA ARS	\$164,471
Total				\$16,064,266

Colorado

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0334	Modeling Mormon Cricket Centers of Endemism with Geospatial Artificial Intelligence (GeoAI) Analysis of Spatiotemporal Datasets	University of Colorado, Boulder	\$133,449
1S	2024 - 0392	Stone Fruit Survey	Colorado Department of Agriculture (CO DoA)	\$38,073
1S	2024 - 0396	Grape Survey	CO DoA	\$19,806
Total				\$191,328

Connecticut

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0464	Orchard Commodity Survey	Connecticut Agricultural Experiment Station	\$36,490
6	2024 - 0233	Enhancing Spotted Lanternfly Mitigation by Understanding the Effects of Temperature on Egg Viability	US Forest Service	\$25,300
Total				\$61,790

Delaware

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0481	Exotic Wood Borer/Bark Beetle Survey	Delaware Department of Agriculture (DDA)	\$11,147
5	2024 - 0030	Spotted Lanternfly Outreach	DDA	\$110,587
5	2024 - 0549	Public Garden Pest Information and Scouting Workshops	American Public Gardens Association	\$45,974
6	2024 - 0017	Advancing establishment of an introduced parasitoid for biocontrol of <i>Drosophila suzukii</i> in Mid-Atlantic States	USDA ARS	\$134,733
Total				\$302,441

District of Columbia

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
3	2024 - 0183	Diagnostic tools for identification of common pine sawfly (<i>Diprion pini</i>)	USDA ARS	\$101,845
Total				\$101,845

Florida

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0307	Proofreading and Augmenting NPDN Diagnostic Data to Support Risk Analysis and Accurate Communications	University of Florida (U of F)	\$76,165
1S	2024 - 0467	Tomato Commodity Survey	Florida Department of Agriculture and Consumer Services (FDACS)	\$203,196
1S	2024 - 0523	Exotic Fruit Fly Survey	FDACS	\$500,000
2	2024 - 0164	OCEAN (Online Commerce for Exotic Arthropods and Nurseries) Surfing	FDACS	\$84,008
2	2024 - 0500	Florida Detector Dog Inspection and Enhanced Domestic Pest Detection	FDACS	\$1,296,517

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
3	2024 - 0039	Development of field-deployable molecular protocols for the rapid diagnosis of Laurel Wilt in avocado orchards	U of F	\$99,859
3	2024 - 0134	Improved Surveillance and Molecular Diagnostic Procedures for Bulk Processing of Lepidoptera Samples with <i>Helicoverpa armigera</i>	U of F	\$90,216
3	2024 - 0362	Development of a dry trap to survey for the tomato leaf miner, <i>Phthorimaea (=Tuta) absoluta</i> , to increase efficiency in surveillance programs	FDACS	\$143,837
3	2024 - 0395	Rapid and high-sensitivity detection of <i>Angiostrongylus cantonensis</i> in Florida	U of F	\$84,635
3	2024 - 0471	Enhancing Detection and Identification of Regulatory Species Through the Application of Novel eDNA and eRNA Technologies	FDACS	\$66,890
4	2024 - 0234	Chemical and Biological Control of the Invasive Thrips, <i>Thrips parvispinus</i> (Thysanoptera: Thripidae)	U of F	\$114,450
5	2024 - 0486	Florida First Detector	U of F	\$61,911
5	2024 - 0509	Plant Biosecurity Youth, Traveler, and Consumer Outreach Initiative	U of F	\$53,364
6	2024 - 0176	Establishment and evaluation of Brazilian peppertree biological control	USDA ARS	\$250,000
6	2024 - 0221	Biocontrol of the mango anthracnose disease using continuous precision delivery of an antagonistic fungus	U of F	\$114,753
6	2024 - 0229	Movement of <i>Phyllosticta citricarpa</i> conidia from leaf litter and within citrus canopies	U of F	\$152,065
6	2024 - 0314	Black Bean Bug Natural Enemy Evaluation	FDACS	\$109,523
6	2024 - 0328	Biological Control of Cactus Moth, <i>Cactoblastis cactorum</i> (Berg)	FDACS	\$111,088
6	2024 - 0338	Fast tracking rearing methods development and evaluation of the most promising cogongrass (<i>Imperata cylindrica</i>) candidate	USDA ARS	\$223,795
6	2024 - 0364	Establishment and evaluation of Air Potato biological control	FDACS	\$258,666
6	2024 - 0407	Registration of <i>Verticillium nonalfalfae</i> to control tree-of-heaven, the preferred host of spotted lanternfly	BioProdex, Inc.	\$414,782
6	2024 - 0456	Semi-field tests of repellent and attractant molecules to <i>Aethina tumida</i> , a pest of <i>Apis mellifera</i>	U of F	\$90,721
6	2024 - 0468	A flexible self-amplifying RNA system for silencing plant and insect genes to control HLB and other emerging threats	U of F	\$327,153
6	2024 - 0498	Evaluating predatory mirids as biological control agents for the South American tomato leafminer in U.S. tomato fields	USDA APHIS	\$104,375
			Total	\$5,031,969

Georgia

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0056	Nursery and Ornamental Survey	Georgia Department of Agriculture (GDA)	\$23,705
1S	2024 - 0074	Field Crops Pest Survey	GDA	\$34,319
1S	2024 - 0079	Forest Pest Survey	GDA	\$52,719
5	2024 - 0192	First Detector Network in Georgia	University of Georgia	\$52,532
Total				\$163,275

Guam

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0285	Combined Pathway Survey for Pests of Multiple Agriculture Systems	University of Guam	\$75,000
1S	2024 - 0457	Solanaceous Commodity Survey	University of Guam	\$56,848
2	2024 - 0063	Guam Canine Teams for Cargo, Mail and Passenger Processing	Guam Customs and Quarantine Agency	\$70,096
3	2024 - 0438	Survey and development of a rapid detection assay for the mollusk-vectored papaya pathogen <i>Erwinia mallotivora</i>	University of Guam	\$82,809
6	2024 - 0541	Enhancing <i>Vespa tropica</i> detection and survey tools	Guam Department of Agriculture	\$110,230
Total				\$394,983

Hawaii

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0206	Hawaii Palm Survey	University of Hawaii (U of H)	\$87,236
1S	2024 - 0208	Tropical Hosts Pest Survey	U of H	\$34,679
1S	2024 - 0258	Vegetable Survey for Viruses, Bacteria, and Nematodes in Hawaii	U of H	\$62,876
3	2024 - 0375	Developing molecular diagnostic tools to determine strain and mating status of fruit fly incursions year 3	USDA ARS	\$220,310
6	2024 - 0095	Establishment of Microbial Probiotics in SIT-Reared Medfly	USDA ARS	\$216,695
6	2024 - 0198	Development of protein food odor based chemical lure for female oriental fruit fly	USDA ARS	\$145,581
6	2024 - 0257	Developing an insecticide rotation to combat spinosad-resistance in invasive melon flies (Diptera: Tephritidae) – Year 3	U of H	\$170,660
6	2024 - 0263	Field testing of bait stations containing a fungal pathogen to control invasive fruit flies – Year 3	U of H	\$269,758
6	2024 - 0415	Push-pull technology for management of tropical nut borer, a key pest of macadamia in Hawaii	U of H	\$114,147
Total				\$1,321,942

Idaho

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
3	2024 - 0514	Production and dissemination of a training manual on pest dactynotid fly identification	University of Idaho (U of ID)	\$10,353
6	2024 - 0003	PCN Immunity	U of ID	\$641,426
6	2024 - 0006	Combatting potato cyst nematodes through resistance and understanding of virulence	U of ID	\$310,739
6	2024 - 0086	Protecting the US potato industry against exotic viroid pathogens impacting potato trade	U of ID	\$137,036
6	2024 - 0423	Nez Perce Tribe Bio-control Project-Noxious/Invasive Weed Survey and Control	Nez Perce Tribe-Biocontrol Center	\$329,889
Total				\$1,429,443

Illinois

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0242	High Risk Pathway Survey	University of Illinois	\$40,139
5	2024 - 0279	Forest Pest Outreach	The Morton Arboretum	\$87,462
6	2024 - 0525	Detecting and Tracking Infection by the Biocontrol Pathogen, <i>Ovavesicula popilliae</i>	USDA ARS	\$59,334
Total				\$186,935

Indiana

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0330	Exotic Woodborer and Bark Beetle Survey	Indiana Department of Natural Resources (IDNR)	\$110,000
1S	2024 - 0356	Specialty Crop Survey	IDNR	\$48,585
3	2024 - 0247	RustHUBB: Enhancing rust fungus identification through molecular diagnostics	Purdue University	\$223,095
3	2024 - 0398	Development of identification resources for plant-feeding mites in superfamily <i>Tetranychoida</i>	Purdue University	\$110,422
5	2024 - 0524	Forest Pest Outreach Survey Project	IDNR	\$112,092
Total				\$604,194

Iowa

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0401	Seed Health Dashboard: Monitoring Seed Imports for Pests of Phytosanitary Concern	Iowa State University	\$162,386
1S	2024 - 0469	Walnut Twig Beetle Survey	Iowa Department of Natural Resources	\$20,000
Total				\$182,386

Kansas

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0001	Walnut Twig Beetle Survey	Kansas Department of Agriculture	\$22,800
Total				\$22,800

Kentucky

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0053	Program Pest - Phytophthora ramorum Nursery Survey	University of Kentucky Research Foundation (UKRF)	\$18,000
1S	2024 - 0104	Solanaceous Commodity Survey	UKRF	\$30,011
1S	2024 - 0105	Orchard Commodity Survey	UKRF	\$19,684
1S	2024 - 0106	Grape Commodity Survey	UKRF	\$29,192
1S	2024 - 0116	Asian Defoliator Survey	UKRF	\$26,371
5	2024 - 0041	Invasive Pest Outreach: Focus Firewood	UKRF	\$15,904
5	2024 - 0133	Invasive Pest Outreach	UKRF	\$47,965
5	2024 - 0142	Spotted Lanternfly Outreach	UKRF	\$42,000

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
6	2024 - 0163	Potential of a sterilizing virus to suppress or eradicate Old World bollworm	Lepidext Inc.	\$203,208
6	2024 - 0339	Field testing of dsRNA formulations for controlling ALB	University of Kentucky	\$135,039
			Total	\$567,374

Louisiana

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0049	Solanaceous Commodity Survey	Louisiana Department of Agriculture and Forestry (LDAF)	\$22,535
1S	2024 - 0054	Citrus Commodity Survey	LDAF	\$14,332
1S	2024 - 0055	Sudden Oak Death (<i>Phytophthora ramorum</i>) Survey	LDAF	\$18,000
			Total	\$54,867

Maine

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0383	Cyst Nematode Survey	Maine Department of Agriculture, Conservation and Forestry (MDACF)	\$47,165
1S	2024 - 0403	Pathway Survey for Pests of Multiple Agricultural Systems	MDACF	\$33,224
1S	2024 - 0494	Solanaceous Commodity Survey	University of Maine	\$36,845
5	2024 - 0353	Developing Weed Risk Assessments and Management Plans for Nurseries and Garden Centers	MDACF	\$38,194
5	2024 - 0397	Tribes in Maine Invasive Species Project (TMISP)	University of Maine	\$68,800
5	2024 - 0465	Invasive Forest Pest Outreach and Education	Cumberland County Soil & Water Conservation District	\$34,081
5	2024 - 0470	Ash and Hemlock Stewards Northeast: Building on Foundations for Healthy Watersheds	Gulf of Maine Research Institute	\$65,972
5	2024 - 0516	Increasing Awareness of Firewood Movement as Pathway for Invasive Forest Pests	MDACF	\$26,864
5	2024 - 0535	Terrestrial Mollusks of Maine - Using Citizen Scientists to Monitor for Exotic Snails and Slugs	MDACF	\$19,682
			Total	\$370,827

Maryland

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0476	Leveraging diverse modes of surveillance – understanding relationship between species attributes and detection sources	University of Maryland, College Park (UM-CP)	\$109,899
1S	2024 - 0060	Program Pest - Box Tree Moth Survey	Maryland Department of Agriculture (MDA)	\$23,897
1S	2024 - 0441	Asian Defoliator Survey	MDA	\$26,000
1S	2024 - 0443	Walnut Twig Beetle/Thousand Cankers Disease Survey	MDA	\$14,000
1S	2024 - 0444	Oak Commodity Survey	MDA	\$14,000
1S	2024 - 0445	Pine commodity Survey	MDA	\$13,500
3	2024 - 0218	Use of enrichment to increase the sensitivity and reliability of detecting low numbers of the select agent pathogen <i>Ralstonia solanacearum</i>	USDA ARS	\$106,462
3	2024 - 0266	Development and tier three validation of a metagenomic sequencing assay for the detection and identification of the <i>Ralstonia solanacearum</i> species complex	USDA APHIS	\$246,958
3	2024 - 0474	Assessment of taxonomic diversity of Pleosporalean fungi found in plants and plant products intercepted at the U.S. ports of entry	USDA ARS	\$150,000
3	2024 - 0567	Digital Imaging of Specimen Information for US National Fungus Collections	USDA ARS	\$250,000
5	2024 - 0149	Enhancements and Outreach for Beekeeping Community Varroa Monitoring Tool	Bee Informed Partnership	\$57,306
6	2024 - 0379	Field Release and Evaluation of <i>Ramularia crupinae</i> for the Management of Noxious <i>Crupina vulgaris</i> Populations	USDA ARS	\$351,161
6	2024 - 0450	Regional to National Post-Release Evaluation of Emerald Ash Borer Biological Control	University of Maryland	\$198,442
Total				\$1,561,625

Massachusetts

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0171	Orchard Commodity Survey	Massachusetts Department of Agricultural Resources (MDAR)	\$40,000
1S	2024 - 0177	Nursery and Ornamental Survey	MDAR	\$35,000
3	2024 - 0169	Develop a solar-powered UVA LED light trap for improved FSMC detection and surveillance	USDA APHIS	\$68,656
3	2024 - 0337	Evaluating Two Trap Designs and Visual Surveys for Spotted Lanternfly at Varying Stages of Invasion	USDA APHIS	\$163,164
3	2024 - 0504	Molecular diagnostic support for Asian defoliator survey	USDA APHIS	\$95,350

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
5	2024 - 0289	Asian Longhorned Beetle Outreach Campaign	Massachusetts Department of Conservation and Recreation	\$150,000
5	2024 - 0520	Forest And Agricultural Pest Outreach	MDAR	\$63,576
6	2024 - 0024	Introduce the Microsporidian Pathogen, <i>Ovavesicula popilliae</i> , to Western States for Long-Term Suppression of Japanese Beetle	USDA APHIS	\$64,053
6	2024 - 0148	Evaluating <i>Aprostocetus</i> sp., an adventive parasitoid of invasive roseau cane scale in Louisiana	USDA APHIS	\$90,780
6	2024 - 0165	Classical Biological Control of Box Tree Moth	USDA APHIS	\$138,251
Total				\$908,830

Michigan

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0144	Forest Pest Survey	Michigan Department of Agriculture and Rural Dev. (MDARD)	\$58,350
1S	2024 - 0150	Program Pest - Pale Cyst Nematode / Golden Nematode Survey	MDARD	\$29,776
1S	2024 - 0188	Fruit Crop Pest Survey	MDARD	\$46,200
3	2024 - 0025	Year 3: Revision of <i>Euw Wallacea</i> species limits for improved diagnostics of potential invasive species	Michigan State University	\$145,149
3	2024 - 0487	Evaluation and validation of internal controls for molecular diagnostic assays	USDA ARS	\$195,820
Total				\$475,295

Minnesota

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0044	Cyst Nematode Survey	Minnesota Department of Agriculture (MDA)	\$65,665
1S	2024 - 0057	Tree Nursery Pest Survey	MDA	\$121,611
1S	2024 - 0059	Pathway Survey for Pests of Multiple Agricultural Systems	MDA	\$128,879
5	2024 - 0065	Invasive Pest Outreach and First Detector	MDA	\$62,700
Total				\$378,855

Mississippi

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0269	Palm Commodity Survey	Mississippi State University (MSU)	\$44,753
1S	2024 - 0272	Asian Defoliator Survey	MSU	\$48,949

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0378	Exotic Bark Beetle Commodity Survey	Mississippi Department of Agriculture and Commerce (MDAC)	\$21,011
1S	2024 - 0384	Pine Commodity Survey	MDAC	\$39,414
3	2024 - 0315	Mississippi State University Screening Center	MSU	\$170,000
5	2024 - 0336	Mississippi Bug Blues	MSU	\$77,825
5	2024 - 0361	Mississippi Bug Blues Educator Invasive Boxes	MSU	\$19,625
Total				\$412,628

Missouri

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0138	Thousand Cankers Disease	Missouri Department of Agriculture	\$25,000
Total				\$25,000

Montana

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0281	Exotic Woodborer/Bark Beetle Survey	Montana Department of Agriculture (MDA)	\$18,000
1S	2024 - 0283	Mollusk Survey	MDA	\$18,500
1S	2024 - 0286	Nursery and Ornamental Plant Survey	MDA	\$18,000
1S	2024 - 0288	Asian Defoliator Survey	MDA	\$18,000
5	2024 - 0217	Don't Move Firewood Outreach Campaign	The Nature Conservancy	\$193,856
5	2024 - 0553	Utilizing Geocaching and Event Outreach to Prevent Plant Pest Introduction in the Pacific Northwest	Invasive Species Action Network	\$27,039
Total				\$293,395

Nebraska

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0237	Khapra Beetle Survey	Nebraska Department of Agriculture (NDA)	\$5,000
1S	2024 - 0239	Cyst Nematode Survey	NDA	\$37,000
Total				\$42,000

Nevada

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0031	Cyst Nematode Survey	Nevada Department of Agriculture (NDA)	\$37,007
1S	2024 - 0032	Solanaceous Commodity Survey	NDA	\$30,000
1S	2024 - 0033	Program Pest - Phytophthora ramorum Nursery Survey	NDA	\$18,000
1S	2024 - 0404	Asian Defoliator Survey	NDA	\$16,000
1S	2024 - 0414	Vegetable Crops Pest Survey	NDA	\$16,000
1S	2024 - 0419	Palm Commodity Survey	NDA	\$14,000
5	2024 - 0557	Invasive Peat Outreach	NDA	\$30,000
Total				\$161,007

New Hampshire

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0020	Vegetable Crops Pest Survey	New Hampshire Department of Agriculture, Markets & Food (NH DoAM&F)	\$10,233
1S	2024 - 0022	Nursery and Ornamental Survey	NH DoAM&F	\$7,137
1S	2024 - 0023	Forest Pest Survey	NH DoAM&F	\$28,368
5	2024 - 0244	FY24 Forest Pest Outreach Project	University of New Hampshire Cooperative Extension	\$45,000
Total				\$90,738

New Jersey

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0262	Importer and Warehouse Mollusk Survey	New Jersey Department of Agriculture (NJDA)	\$33,243
5	2024 - 0310	Spotted Lanternfly Public Outreach and Business Awareness Program	NJDA	\$200,000
6	2024 - 0089	Evaluation of the effectiveness of Biocontrol Agents in protection of North American ash against emerald ash borer in the mid-Atlantic	Rutgers University	\$96,291
Total				\$329,534

New Mexico

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0146	Nut Pest Survey	New Mexico Department of Agriculture	\$35,000
6	2024 - 0532	Mass rearing, establishment and integrated management of biological control agents for hoary cress in New Mexico	New Mexico State University	\$97,016
Total				\$132,016

New York

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0141	Grape Commodity Survey	New York State Department of Agriculture and Markets (NYS AGM)	\$130,000
1S	2024 - 0151	Orchard Commodity Survey	NYS AGM	\$110,000
1S	2024 - 0153	Stone Fruit Commodity Survey	NYS AGM	\$280,000
3	2024 - 0391	NPDN and State Diagnostician Preparedness Training through the USDA-APHIS PPCDL and other experts	Cornell University	\$199,470
3	2024 - 0405	NPDN and State Diagnostician Preparedness Training in Morphological Fungal Identification Techniques by USDA-APHIS-NIS	Cornell University	\$85,828
5	2024 - 0127	Honey Bee Health - First Responders	NYS AGM	\$18,850
6	2024 - 0131	Saint Regis Mohawk Tribe EAB Mitigation and Forest Health Improvement FY24 Project	Saint Regis Mohawk Tribe	\$306,270
6	2024 - 0132	Deregulation and Enhanced Regulatory Activities of Golden Nematode (<i>Globodera rostochiensis</i>) in NY	USDA ARS	\$190,955
6	2024 - 0506	Novel delivery strategies of dsRNA for RNAi-based control of wood-boring insects	NYS AGM	\$172,200
Total				\$1,493,573

North Carolina

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0026	Analytical support for OPEP impact assessments and CAPS datasheets	North Carolina State University (NCSU)	\$213,722
1A	2024 - 0291	Pest Activity Monitoring: Complete AIRA Model Development Through Application of Advanced NLP and Machine Learning Technologies	NCSU	\$193,183
1A	2024 - 0462	Trade Route Analytic Computing and Evaluation (TRACE)	NCSU	\$209,376
1A	2024 - 0477	Assessing climate suitability and developing methods to incorporate potential climate change impacts for the CAPS pests	NCSU	\$148,791
1A	2024 - 0530	Developing Climate Change simulation models to evaluate plant pest impacts	NCSU	\$167,562

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0442	Program Pest - Phytophthora ramorum Nursery Survey	North Carolina Department of Agriculture & Conservation Services (NCDA&CS)	\$13,600
1S	2024 - 0466	Asian Defoliator Survey	NCDA&CS	\$17,400
1S	2024 - 0473	Grape Commodity Survey	NCDA&CS	\$11,000
1S	2024 - 0495	Program Pest - Box Tree Moth Survey	NCDA&CS	\$17,000
1S	2024 - 0501	Solanaceous Commodity Survey	NCDA&CS	\$19,750
5	2024 - 0306	Invasive Species Outreach	NCDA&CS	\$25,000
6	2024 - 0107	Assessing and Establishing Biological Control Agents for the Emerald Ash Borer in North Carolina	NCSU	\$74,470
6	2024 - 0366	Weed Risk Assessments to Support Risk-Based Policies, Survey, and Response for Federal Noxious Weeds	NCSU	\$202,516
6	2024 - 0561	Field-cage evaluation of genetically sterile spotted wing drosophila (SWD) for control of wild SWD affecting blueberries	NCSU	\$132,434
Total				\$1,445,804

North Dakota

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0004	Grape Commodity Survey	North Dakota State University	\$30,000
1S	2024 - 0181	Program Pest - Khapra Beetle Survey	North Dakota Department of Agriculture (NDDA)	\$7,000
1S	2024 - 0182	Cyst Nematode Survey	NDDA	\$15,000
1S	2024 - 0184	Program Pest - Potato Cyst Nematode Survey	NDDA	\$94,500
5	2024 - 0531	National Apiary Inspector Training	Apiary Inspectors of America	\$50,000
Total				\$196,500

Ohio

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0387	Optimizing trap deployment for the detection of non-native scolytines	The Ohio State University (OSU)	\$91,197
1S	2024 - 0096	Surveillance of Spotted Lanternfly in High-Risk Transportation Sites in Eastern Ohio	Franciscan University of Steubenville	\$19,000
1S	2024 - 0301	Grape Commodity Survey	Ohio Department of Agriculture (ODA)	\$30,000

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0302	Orchard Commodity Survey	ODA	\$81,360
1S	2024 - 0303	Pine Commodity Survey	ODA	\$50,000
1S	2024 - 0304	Phytophthora ramorum Nursery Soil/Container Mix and Retail Plant Survey	ODA	\$18,000
3	2024 - 0540	Defining transmission of recent outbreak of Select Agent <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>	OSU	\$104,454
5	2024 - 0483	Forest Pest Outreach	ODA	\$35,140
6	2024 - 0393	Evaluating augmentative biological control as a potential management tool against invading scale insects	OSU	\$59,052
Total				\$488,203

Oklahoma

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0178	Phytophthora ramorum Nursery Survey	Oklahoma Department of Agriculture, Food and Forestry	\$18,500
Total				\$18,500

Oregon

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0432	Corn Commodity Survey	Oregon Department of Agriculture (ODA)	\$73,771
1S	2024 - 0436	Asian Defoliator Survey	ODA	\$258,997
1S	2024 - 0488	Fruit Crops Pest Survey	ODA	\$108,000
1S	2024 - 0555	College Campus Survey	ODA	\$29,157
1S	2024 - 0563	Exotic Wood Borer/Bark Beetle Survey	ODA	\$30,443
3	2024 - 0254	National Identification Center for Support of CAPS and Other Surveys	ODA	\$124,959
4	2024 - 0159	Potential pathways of virus introduction to registered fruit tree fields in the Fruit Tree Nursery Stock Certification Program	ODA	\$127,437
4	2024 - 0220	Optimizing certification and quarantine protocols for <i>Fragaria</i> and <i>Rubus</i> nursery production and plant material movement	University of California - Davis	\$206,498
5	2024 - 00526	Evaluative outreach development for biological permit compliance at high-research institutions	Oregon Sea Grant	\$40,000
6	2024 - 0045	Synthetic bread dough odor as a novel tool for managing and detecting invasive gastropods	Oregon State University	\$168,328
6	2024 - 0345	Enhancing Areawide Biological Control of spotted wing drosophila in Oregon	ODA	\$147,309
6	2024 - 0420	Evaluating the threat of the NA2 and EU2 lineages of <i>Phytophthora ramorum</i> (Sudden Oak Death) to nurseries and forests	Oregon State University	\$76,120

Total **\$1,391,019**

Pennsylvania

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0527	Modeling <i>Lycorma delicatula</i> survey-method detectability and colonization probability to delineate newly found outbreaks	Temple University	\$126,070
1S	2024 - 0083	Program Pest - Cucumber Green Mottle Mosaic Virus Survey	Pennsylvania Department of Agriculture (PDA)	\$25,000
1S	2024 - 0085	Small Fruit Pest Survey	PDA	\$30,000
1S	2024 - 0109	Solanaceous Commodity Survey	PDA	\$60,000
1S	2024 - 0130	Grape Commodity Pest Survey	PDA	\$71,000
1S	2024 - 0139	Stone Fruit Commodity Pest Survey	PDA	\$61,000
1S	2024 - 0143	Asian Defoliator Survey	PDA	\$27,500
1S	2024 - 0207	Program Pest - <i>Phytophthora ramorum</i> Nursery Survey and regional support	PDA	\$15,000
1S	2024 - 0209	Orchard Commodity Survey	PDA	\$100,000
1S	2024 - 0225	Box Tree Moth Survey	PDA	\$30,000
1S	2024 - 0227	Walnut Twig Beetle Survey	PDA	\$28,000

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
3	2024 - 0312	FY2024 Screening and Identification Services for Wood-boring Insect Pests at Carnegie Museum	Carnegie Museum of Natural History	\$70,000
4	2024 - 0341	Enhancement of established and development of new nursery stock certification programs	PDA	\$140,000
5	2024 - 0014	Forest Pest Outreach (FPO) FY2024	PDA	\$76,384
5	2024 - 0542	Spotted Lanternfly Outreach	Pennsylvania State University	\$400,000
6	2024 - 0219	Automatic detection of invasive insect eggs with angle-resolved reflectance and patterned projection profilometry	Drexel University	\$86,818
6	2024 - 0460	Predictive Modeling of Spotted Lanternfly Abundances Based on Host Plant Communities for Risk Analysis	Temple University	\$111,257
Total				\$1,458,029

Puerto Rico

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
6	2024 - 0007	Research in the dynamics of two new invasive pest in Puerto Rico	CEQUIS, University of Puerto Rico	\$65,548
6	2024 - 0091	Systems Approach for the Management of Coffee Berry Borer in Hawaii and Puerto Rico with Emphasis on Biological Control	APHIS	\$210,811
6	2024 - 0214	Harrisia Cactus Mealybug Biological Control	Effective Environmental Restoration	\$250,000
Total				\$526,359

Rhode Island

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0240	Nursery and Retail Plant Pest Survey	Rhode Island DEM, Division of Agriculture and Forest Environment	\$57,069
1S	2024 - 0472	Orchard Commodity Survey	University of Rhode Island	\$32,896
5	2024 - 0499	Invasive Pest Outreach	University of Rhode Island	\$20,840
Total				\$110,805

South Carolina

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0075	Grape Commodity Survey	Clemson University Department of Plant Industry (Clemson DPI)	\$36,133
1S	2024 - 0077	Citrus Commodity Survey	Clemson DPI	\$23,995
1S	2024 - 0493	Program Pest - Phytophthora ramorum Nursery Survey	Clemson DPI	\$18,504
5	2024 - 0385	Targeted Outreach for Constructive Public Reporting	Clemson DPI	\$35,700
5	2024 - 0439	Invasive species in the Eastern U.S.: A Video Series	Clemson University	\$56,380

Total **\$170,712**

South Dakota

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0088	Program Pest – Khapra Beetle Survey	South Dakota Department of Agriculture and Natural Resources	\$9,930

Total **\$9,930**

Tennessee

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0212	Asian Defoliator Survey	University of Tennessee at Martin	\$60,000
1S	2024 - 0329	Phytophthora ramorum Nursery and Environs Survey	Tennessee Department of Agriculture (TDA)	\$18,000
1S	2024 - 0332	Multi State Vascular Streak Dieback Nursery and Environs Survey	TDA	\$68,228
1S	2024 - 0434	Pathway Survey for Early Detection of High-Risk Invasive Forest Pests and Other Pests in Tennessee	University of Tennessee	\$60,000
4	2024 - 0253	Incorporating biological control into Japanese maple scale management	Tennessee State University	\$18,843
5	2024 - 0224	Forest Pest Outreach and Survey Project (FPOSP), Tennessee, FY24	University of Tennessee	\$60,000
6	2024 - 0416	Post-Release Aftermath Assessment of Biological Control of Emerald Ash Borer to Enhance Mitigation in a Southern Climate	University of Tennessee	\$95,885

Total **\$380,956**

Texas

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1A	2024 - 0103	Tools for Detection and Containment of Non-native Invasive Forest Pests: Ecological Niche Modeling and Circuit Theory	Sam Houston State University	\$116,685
1S	2024 - 0111	Asian Defoliators of East Texas	Sam Houston State University	\$53,775
1S	2024 - 0113	Field Crop Pest Survey	Sam Houston State University	\$54,492
1S	2024 - 0194	Exotic Wood Borer and Bark Beetle Survey in Pine Trees	Sam Houston State University	\$81,985
1S	2024 - 0210	Grape Commodity Survey	Texas A&M AgriLife Extension Service	\$67,112
1S	2024 - 0211	Stone Fruit Commodity	Texas A&M AgriLife Extension Service	\$50,000
3	2024 - 0322	Identification of a female-produced compound of spotted lanternfly, <i>Lycorma delicatula</i>	Texas A&M University-Kingsville Citrus Center	\$144,526
3	2024 - 0376	Increasing NPDN capacity for ToBRFV seed testing of regulatory and phytosanitary concern	Texas A&M AgriLife Extension Service	\$47,420
3	2024 - 0461	Genomic and Raman spectrometry-based diagnostic tools for the identification and monitoring of the Central American locust	Texas A&M University	\$238,474
5	2024 - 0115	Development of a Smartphone based App, powered by Artificial Intelligence-based Pest Detection	Sam Houston State University	\$62,000
5	2024 - 0154	Development of an Agricultural Bio-security Curriculum in Texas Ag Science classrooms through teacher education/outreach	Sam Houston State University	\$71,280
5	2024 - 0195	Continuation of Citrus Disease and Pest Educational, Public Outreach and Management Program in Gulf Coastal counties of Texas	Sam Houston State University	\$39,000
5	2024 - 0259	Texas FIRST DETECTOR education program	Texas A&M AgriLife Extension Service	\$45,195
5	2024 - 0275	Mexican Fruit Fly Public Education and Outreach in Texas	Texas Citrus Pest & Disease Management Corporation	\$63,000
6	2024 - 0018	Citrus Endophytes for Management of Asian Citrus Psyllid FY2024	USDA APHIS	\$205,111

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
6	2024 - 0021	Mass Production of Beneficial Insects for the Biological Control of Brazilian Peppertree in Texas FY2024	USDA APHIS	\$274,943
6	2024 - 0084	Investigation of the effect of hypoxia on efficiency of phytosanitary irradiation against insect pests	Texas A&M University	\$138,168
6	2024 - 0108	Sulforaphane-capped copper ferrite nanoparticles: Virulence inhibitors of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>	Sam Houston State University	\$117,366
6	2024 - 0202	Enhancing control of California red scale on Texas citrus by mating disruption	Texas A&M University Kingsville Citrus Center	\$201,210
6	2024 - 0485	Development of an environmentally safe, effective biological control method of citrus canker and citrus black spot disease	Texas A&M University Kingsville	\$194,921
6	2024 - 0533	Development of Augmented Phage Therapeutics for the control of bacterial plant pathogens	North Carolina State University	\$251,367
6	2024 - 0538	Enhancing the sex sorting and scalability of precision guided sterile insect technique for the control of the Mexican fruit fly	University of California, San Diego	\$189,313
6	2024 - 0543	Development of nanoparticle-conjugate therapies for the sterilization of Mexican fruit flies	Baylor University	\$284,667
6	2024 - 0565	Microbial community management to improve the health and production of <i>Anastrepha ludens</i>	North Carolina State University	\$290,972
Total				\$3,282,982

Utah

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0241	Orchard Commodity Survey	Utah State University (USU)	\$17,000
1S	2024 - 0243	Understanding the susceptibility of Solanaceous commodities to invasive insect and nematode pests across the state of Utah	USU	\$33,129
3	2024 - 0043	Effects of pest monitoring traps on genetic diversity, colony abundance, and lineage survival of pollinator populations	USU	\$66,662
5	2024 - 0156	Utah Invasive Outreach Project	USU	\$48,350
Total				\$165,141

Vermont

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0251	Greenhouse Crops Pest Survey	Vermont Agency of Agriculture, Food and Markets (VAAFMM)	\$36,710
1S	2024 - 0256	Exotic Wood Borer/Bark Beetle Survey	VAAFMM	\$31,788
1S	2024 - 0369	Fruit Crops Pest Survey	VAAFMM	\$29,075
5	2024 - 0463	Expanding Outreach and Education on Key Invasive Forest Pests to New Audiences	University of Vermont and State Agricultural College	\$89,542
Total				\$187,115

Virginia

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0068	Phytophthora ramorum Nursery Survey	VA Department of Agriculture and Consumer Services (VDACS)	\$18,000
1S	2024 - 0069	Forest Pest Survey	VDACS	\$43,694
1S	2024 - 0070	Grape Commodity Survey	VDACS	\$27,790
1S	2024 - 0071	Solanaceous Commodity Survey	VDACS	\$22,374
Total				\$111,858

Washington

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0050	Terrestrial Mollusk Survey	Washington State Department of Agriculture (WSDA)	\$125,000
1S	2024 - 0078	Asian Defoliator Survey	WSDA	\$280,000
1S	2024 - 0087	Pathway Survey for Pests of Multiple Agricultural Systems	WSDA	\$191,839
1S	2024 - 0186	Stone Fruit Commodity Survey	WSDA	\$150,000
1S	2024 - 0190	Grape Commodity Survey	WSDA	\$120,000
1S	2024 - 0386	Small Fruit Pest Survey	WSDA	\$95,083
3	2024 - 0216	Molecular research to support survey and response for invasive hornet species (<i>Vespa</i> spp.)	WSDA	\$263,030
3	2024 - 0292	High Priority Pest Screening & Molecular Support Center	WSDA	\$75,547
3	2024 - 0390	WSDA Exotic Pest Survey Identification Center	WSDA	\$135,000

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
3	2024 - 0497	Field-testing survey techniques for <i>Anthonomus rubi</i> (strawberry blossom weevil)	WSDA	\$59,605
4	2024 - 0271	Little Cherry Disease Survey of X-Disease Phytoplasma in Washington's Certified Prunus Nurseries	WSDA	\$191,609
5	2024 - 0172	Washington State Invasive Pest Outreach	WSDA	\$41,412
5	2024 - 0406	Washington State Interagency Outreach and Education- Building Capacity and Enhancing Early Detection	Washington Recreation and Conservation Office	\$80,000
5	2024 - 0512	Enriching Tribal management and resilience to invasive species with co-designed educational resources	Washington State University	\$88,221
6	2024 - 0011	Washington Northern Giant Hornet Response	WSDA	\$763,401
6	2024 - 0097	<i>Lymantria dispar asiatica</i> Response	WSDA	\$95,000
6	2024 - 0284	Development of a portable, small-scale steam system for treating <i>P. ramorum</i> at nurseries and landscape sites	Washington State University	\$55,880
6	2024 - 0551	Field testing lures and trap placement for <i>Vespa mandarinia</i> survey and control efforts	WSDA	\$70,621
6	2024 - 0537	Muckleshoot Indian Tribe Noxious Weed Control Project	Muckleshoot Indian Tribe	\$42,215
			Total	\$2,923,463

West Virginia

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0118	Asian Defoliator Survey	West Virginia Department of Agriculture (WVDA)	\$20,000
1S	2024 - 0119	Grape Commodity Survey	WVDA	\$13,000
1S	2024 - 0120	Phytophthora ramorum Nursery Survey	WVDA	\$18,000
1S	2024 - 0121	Solanaceous Commodity Survey	WVDA	\$12,000
5	2024 - 0122	West Virginia Invasive Pest Outreach Program	WVDA	\$57,500
			Total	\$120,500

Wisconsin

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0058	Potato Cyst Nematode Survey	University of Wisconsin - Madison (UW Madison)	\$66,000

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0174	Pathway Survey for Pests of Multiple Agricultural Systems	Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP)	\$47,597
1S	2024 - 0451	WI Tribal Forest Pest Survey	Wisconsin Tribal Conservation Advisory Council	\$40,000
5	2024 - 0100	Expanding WIFDN to improve monitoring of high consequence pests in Wisconsin	UW Madison	\$69,000
5	2024 - 0232	Wisconsin Forest Pest Disease Outreach Initiative	Wisconsin DATCP	\$46,588
5	2024 - 0484	WTCAC Investing in Our Future: Native American Seasonal Workers on Tribal Lands	Wisconsin Tribal Conservation Advisory Council	\$78,000
6	2024 - 0503	WTCAC Working on Tribal Lands: Enhance Mitigation and Rapid Response in Wisconsin	Wisconsin Tribal Conservation Advisory Council	\$25,762
			Total	\$372,947

Wyoming

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
5	2024 - 0558	Wyoming Nursery Stock Dealer Outreach and Education	Wyoming Department of Agriculture	\$15,000
			Total	\$15,000

National

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0081	Survey Supplies Procurement Program (Traps and Lures)	USDA APHIS	\$700,000
1S	2024 - 0187	National Survey of Honey Bee Pests and Diseases*	University of Maryland	\$1,505,321
5	2024 - 0267	PlayCleanGo® Campaign Engagement and Expansion	North American Invasive Species Management Association	\$200,000
5	2024 - 0452	Hungry Pests Public Awareness and Outreach Program	USDA APHIS	\$352,000
5	2024 - 0552	Citrus Health Outreach	USDA APHIS	\$100,000
6	2024 - 0402	Enhance Exotic Plant-Pest Mitigation and Response by Developing New Pest Response Guidelines	North Carolina State University	\$412,871

Total \$3,270,192

*The National Survey of Honey Bee Pests and Diseases is being completed by 41 states, Guam, the Northern Mariana Islands, and Puerto Rico.

Reserved Funding

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
1S	2024 - 0451	WI Tribal Forest Pest Survey	Wisconsin Tribal Conservation Advisory Council	\$40,000
5	2024 - 0100	Expanding WIFDN to improve monitoring of high consequence pests in Wisconsin	UW Madison	\$69,000
5	2024 - 0397	Tribes in Maine Invasive Species Project (TMISP)	University of Maine	\$68,800
5	2024 - 0406	Washington State Interagency Outreach and Education- Building Capacity and Enhancing Early Detection	Washington Recreation and Conservation Office	\$80,000
5	2024 - 0470	Ash and Hemlock Stewards Northeast: Building on Foundations for Healthy Watersheds	Gulf of Maine Research Institute	\$65,972
5	2024 - 0484	WTCAC Investing in Our Future: Native American Seasonal Workers on Tribal Lands	Wisconsin Tribal Conservation Advisory Council	\$78,000
5	2024 - 0512	Enriching Tribal management and resilience to invasive species with co-designed educational resources	Washington State University	\$88,221

Goal	Suggestion No.	Title	Cooperator Entity	Funding Level
6	2024 - 0131	Saint Regis Mohawk Tribe EAB Mitigation and Forest Health Improvement FY24 Project	Saint Regis Mohawk Tribe	\$306,270
6	2024 - 0379	Field Release and Evaluation of <i>Ramularia crupinae</i> for the Management of Noxious <i>Crupina vulgaris</i> Populations	USDA ARS	\$351,161
6	2024 - 0423	Nez Perce Tribe Bio-control Project-Noxious/Invasive Weed Survey and Control	Nez Perce Tribe-Biocontrol Center	\$329,889
6	2024 - 0503	WTCAC Working on Tribal Lands: Enhance Mitigation and Rapid Response in Wisconsin	Wisconsin Tribal Conservation Advisory Council	\$25,762
6	2024 - 0537	Muckleshoot Indian Tribe Noxious Weed Control Project	Muckleshoot Indian Tribe	\$42,215
Total				\$1,545,290

NOTE: Reserved Funding projects are also incorporated into the state funding levels previously listed.