# Plant Protection Act Section 7721 Fiscal Year 2020 Spending Plan

Plant Pest and Disease Management and Disaster Prevention Program

March 2020

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### **Summary**

The U.S. Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS) is allocating \$70.5 million to support 386 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 \$63.075 million to fund 357 projects for the Plant Pest and Disease Management and Disaster Prevention Program (PPDMDPP). Approximately \$15.5 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 49 states, Guam, 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 4,000 projects and provided nearly \$600 million in 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 nearly 900 submissions requesting over \$100 million in funding, during the six week open period last summer. USDA is funding approximately 64 percent of the 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 encourage all cooperators to submit project suggestions for PPA 7721 funding in FY 2021 and beyond. 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 FY2020 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 project's title under the 'National' section. Note: Sub-cooperators, please 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. Work plans and financial plans must be delivered to ADODRs no later than May 1, 2020.

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 the ezFedGrants system. 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**

Funding by Goal Area					
Goal	Goal Area Description	Funding Level			
1A	Enhance Plant Pest/Disease Analysis	\$2,078,874			
15	Enhance Plant Pest/Disease Survey	\$14,300,000			
2	Target Domestic Inspection Activities at Vulnerable Points in the Safeguarding Continuum	\$5,600,000			
3	Pest Identification and Detection Technology Enhancement	\$6,250,000			
4	Safeguard Nursery Production	\$1,999,936			
5	Outreach and Education	\$3,600,000			
6	Enhance Mitigation Capabilities	\$13,198,925			
TOTAL*		\$47,027,735			

<sup>\*</sup> Plus approximately \$23 million in PPA 7721 funds for the National Clean Plant Network, emergency pest response, and internal program costs.

## **Funding by State**

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	Alabama				
Goal	Project #	Title	Cooperator Type	Funding Level	
15	1S.0261	Phytophthora ramorum Survey	State Government	\$20,000	
15	1S.0319	Asian Defoliator Survey	State Government	\$28,000	
		TOTAL		\$48,000	
		Alaska			
Goal	Project #	Title	<b>Cooperator Type</b>	Funding Level	
15	1S.0352	Pathway(s) of Phytoplasma Introduction to Alaska	Academia	\$86,000	
15	1S.0472	Asian Defoliating Moth Survey	State Government	\$50,000	
5	5.0010	First Detector Training and Engagement in Alaska	Academia	\$40,000	
TOTAL				\$176,000	
		Arizona			
Goal	Project #	Title	Cooperator Type	Funding Level	
15	1S.0142	Nursery and Retail Plants Pest Survey	State Government	\$100,000	
15	1S.0143	Palm Commodity Survey	State Government	\$87,884	
4	4.0191	National Harmonized Systems Approach to Nursery Certification – eLearning Training Course	Non-Profit	\$35,400	
6	6.0203	Developing Smart Molecular Insecticide Control Methods Targeting Mormon Crickets	APHIS	\$161,878	
TOTAL					
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	Arkansas				
Goal	Project #	Title	Cooperator Type	Funding Level	
15	1S.0443	Phytopthora Ramorum Nursery and/or Environs Survey	State Government	\$20,000	
1S	1S.0536	Grape Commodity Survey	State Government	\$12,000	
15	1S.0591	Stone Fruit Commodity Insect Pests Survey in Arkansas	Academia	\$19,000	
4	4.0553	Development of Diagnostics for Three New Blueberry Viruses	Academia	\$147,463	
5	5.0060	Forest Pest Outreach Project	State Government	\$39,364	
		TOTAL		\$237,827	
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		California		L	
Goal	Project #	Title	Cooperator Type	Funding Level	
1A	1A.0390	NPDN Analysis – Making Diagnostic Lab Data Available to a Wider Audience	Academia	\$48,587	
1A	1A.0563	Harnessing Non-regulatory Pest Reporting for Rapid Targeted Responses to Exotic Pest Incursions	Academia	\$182,473	
1A	1A.0576	Strategic Analysis of the Developing HLB Epidemics in California and Texas to Guide Intervention	APHIS	\$110,000	
15	1S.0133	Asian Defoliator Moth Survey	State Government	\$400,000	
15	1S.0288	Citrus Commodity Survey	State Government	\$450,000	
15	1S.0295	Exotic Fruit Fly Survey	State Government	\$4,800,000	
2	2.0290	California Agriculture Detector Dog Team Program	State Government	\$2,731,066	
3	3.0102	Targeted Identification of Pheromones and Related Attractants for Invasive Cerambycid Beetles	Academia	\$204,814	
3	3.0158	Enhancing Taxonomic and Molecular Diagnostics Capacity for Fruit Flies	Academia	\$267,150	
3	3.0265	Enhancing Diagnostics of Plant Parasitic Nematodes	State Government	\$13,400	
3	3.0267	Enhancing Diagnostics of Cyst Forming Nematodes of the genus Globodera	State Government	\$22,170	
3	3.0268	Enhancing Diagnostics of Cyst Forming Nematodes of the genus Heterodera	State Government	\$54,300	
3	3.0348	Diversity of Quarantine Significant Hornets – Exotic Hornet Identification	Academia	\$88,109	
3	3.0353	Tools for the Identification and Detection of Graminicolous Downy Mildews Including Peronosclerospora	Non-APHIS-Federal	\$289,055	
4	4.0016	National Ornamentals Research Site at Dominican University of California	Academia	\$400,000	
4	4.0180	Develop and Harmonize Voluntary Nursery Certification Program Based on Science Backed Best Management Practices	State Government	\$150,000	
4	4.0475	Can Organic-Approved Chemicals Control Glassy-winged Sharpshooters Expressing Resistance to Conventional Insecticides	Academia	\$129,283	
6	6.0145	Emergency Plant Health Response Teams	State Government	\$1,837,791	
6	6.0262	Implementation of Biological Control to Control Spottedwinged Drosophila	Academia	\$200,000	
6	6.0607	Development and Evaluation of Navel Orangeworm for Sterile Insect Release	Academia	\$245,357	

TOTAL			\$12,711,653	
01	Desired #	Colorado		e distribution
Goal	Project #	Title	Cooperator Type	Funding Level
1S	1S.0641	Grape Commodity Survey	State Government	\$18,000
15	1S.0650	Stone Fruit Commodity Survey	State Government	\$38,073
3	3.0235	Identification of Tuta Absoluta to Minimize its Threat to U.S. Tomato Production	APHIS	\$99,134
3	3.0490	Diagnostic Tools to Identify Exotic Tortricidae that Threaten U.S. Agriculture	Non-APHIS-Federal	\$242,308
6	6.0570	Reactivating a Biological Control Program Against Japanese Beetle	State Government	\$96,821
		TOTAL		\$494,336
		Connecticut		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0004	Orchard Commodity Survey	State Government	\$26,357
15	5.0242	Wasps Watchers – Cerceris Biosurveillance	State Government	\$18,150
5	5.0379	Forest and Agricultural Pest Outreach	State Government	\$39,282
6	6.0164	Enhanced Mitigation and Rapid Response to Reduce Spread and Impact of Spotted Lanternfly	Non-APHIS-Federal	\$56,613
		TOTAL		\$140,402
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		District of Columbia		
Goal	Project #	Title	Cooperator Type	Funding Level
4	4.0611	Field Testing, Supporting, Transitioning, and Launching the SANC Online Risk Assessment Tool	Non-Profit	\$49,600
•		TOTAL		\$49,600
		Delaware		
Goal	Project #	Title	Cooperator Type	Funding Level
6	6.0305	Biological Control of the Asian Longhorned Beetle	Non-APHIS Federal	\$83,073
6	6.0323	Research on Factors to Optimize Trissolcus Japonicus Releases for Brown Marmorated Stink Bug	Non-APHIS-Federal	\$129,442
6	6.0329	Determining the Distribution and Natural Enemy Complex of the Roseau Cane Scale in Asia	Non-APHIS-Federal	\$212,073
6	6.0359	Biocontrol of Invasive Emerald Ash Borer to Protect Urban and Natural Forest Ecosystems	Non-APHIS-Federal	\$153,352
		TOTAL		\$577,940
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		Florida		
Goal	Project #	Title	Cooperator Type	Funding Level
1A	1A.0044	Developing the OPEP Risk Assessment Model for Wood Borers	Academia	\$79,454

Tracking Seasonal Changes of Endophytic Communities in Fusarium Dieback-invasive Shot Hole Borers Host Trees in

6

6.0616

\$88,098

Academia

15	1S.0214	Fruit Fly Detection	State Government	\$1,000,000
15	15.0243	Survey for Tomato Leafminer, Old World Bollworm, and Pests of Tomato	State Government	\$145,000
15	1S.0318	Survey for Exotic Delphacids and Associated Pathogens	Academia	\$30,000
2	2.0218	Florida Detector Dog Inspection and Enhanced Domestic Pest Detection	State Government	\$1,313,904
3	3.0382	Diagnostic Tests for Exotic Honey Bees and Unwanted Apis Mellifera Subspecies	Academia	\$90,673
4	4.0478	Potential for Using SIT, Mating Disruption and Other IPM Tools to Eradicate Box Tree Moth Incursions in the U.S.	Non-APHIS-Federal	\$217,186
5	5.0505	Florida First Detector	Academia	\$47,137
5	5.0620	Potential Invasive Pests Workshop	Academia	\$37,941
6	6.0410	Characterization of BMSB Establishment in Florida to Support Biological Control and Mitigation	Academia	\$147,613
6	6.0503	Developing Biological Control to Mitigate the Harrisia Cactus Mealybug Damage in Puerto Rico	Non-APHIS-Federal	\$301,930
6	6.0515	Bagrada Bug: Establishment Potential in Florida	Academia	\$70,666
6	6.0592	Lychee Mite Eradication Program	State Government	\$600,000
		TOTAL		\$4,081,504
		Georgia		
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	1S.0070	Blueberry Commodity Survey	State Government	\$23,065
<b>1</b> S	1S.0075	Field Crop Pest Survey	State Government	\$35,600
15	1S.0080	Oak Commodity Survey	State Government	\$38,211
5	5.0253	First Detector Network in Georgia	Academia	\$39,074
		TOTAL		\$135,950
		Guam		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0065	Survey of Tomato for Ralstonia Solanacearum Race 3 Biovar 2 and Tuta Absoluta in Guam	Academia	\$38,000
6	2.0052	Canine Teams for Cargo, Mail, and Passenger Processing	State Government	\$79,813
6	5.0103	Marianas "Don't Pack a Pest" Outreach Program	Academia	\$92,000
		TOTAL		\$209,813
		Hawaii		
Goal	Project #	Title	Cooperator Type	Funding Level
6	6.0037	A Novel Approach to Rapid Detection of Meloidogyne Enterolobii and Meloidogye Floridensis in Hawaii	Academia	\$80,945
6	6.0066	Chemical and Biological Control of Coconut Rhinoceros Beetle in Hawaii	Academia	\$62,085
6	6.0179	Develop Techniques to Rapidly Generate Non-transgenic Female Lethal Genetic Sexing Strains in Tephritid Pests	Non-APHIS-Federal	\$194,300
6	6.0308	Identification of a Fruit Fly Surrogate and Develop Postharvest Treatments for the Quarantine Pest Bactrocera Dorsalis	Non-APHIS-Federal	\$176,703

		TOTAL		\$514,033
Idaho				
Goal	Project #	Title	Cooperator Type	Funding Level
6	6.0167	PCN Genetic Diversity	Academia	\$203,987
6	6.0168	PCN Immunity	Academia	\$550,000
6	6.0294	Protecting the U.S. Potato Industry Against Exotic Viroid Pathogens Impacting Potato Trade	Academia	\$105,159
		TOTAL		\$859,146
		Illinois		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0539	Asian Defoliator Survey	State Government	\$39,000
1S	1S.0541	Agricultural Pest Pathways Survey	State Government	\$68,593
5	5.0445	Forest Pest Outreach Survey	Non-Profit	\$88,840
		TOTAL		\$196,433
		Indiana		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0108	Specialty Crops and Exotic Bark Beetle Survey	State Government	\$60,000
3	3.0442	Enhancing Rust Fungus Identification Through Molecular Diagnostics	Academia	\$285,914
4	4.0367	Mobile App to Collect Nursery Inspection Data for the Central Plant Board	Academia	\$73,884
5	5.0034	Forest Pest Outreach and Survey Project	State Government	\$71,000
TOTAL			\$490,798	
		lowa		
Goal	Project #	Title	Cooperator Type	Funding Level
1S	1S.0273	Walnut Twig Beetle/TCD Disease Survey	State Government	\$10,000
		TOTAL		\$10,000
		Kansas		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0011	Walnut Twig Beetle/Thousand Cankers Survey	State Government	\$9,400
1S	1S.0012	Phytophthora Ramorum Nursery Survey	State Government	\$12,000
		TOTAL		\$21,400
Kentucky				
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	15.0058	Asian Defoliator Survey	Academia	\$16,000
<b>1</b> S	1S.0109	Orchard Commodity Survey	Academia	\$19,630
<b>1</b> S	1S.0111	Grape Commodity Survey	Academia	\$21,000
<b>1</b> S	1S.0114	Phytophthora Ramorum Nursery Survey	Academia	\$20,000
15	1S.0117	Solanaceous Commodity Survey	Academia	\$29,000

3 3.0299 SIT Characteristics for the Mexican Fruit Fly 5 5.0118 Invasive Pest Outreach: Focus Firewood Aca 5 5.0119 Invasive Pest Outreach in Kentucky Aca	demia \$146,515
	da
5   5.0119   Invasive Pest Outreach in Kentucky   Aca	' '
Development of Adults date Dult and EDMA to Control Asia	demia \$58,820
Longhorned Beetle and Other Invasive Pests	demia \$116,783
6 6.0275 Developing RNAi for Suppression of Exotic Wood-boring Buprestids Aca	demia \$76,217
6 6.0284 Regional Difference in Plant and Pest Phenology May Affect Biological Control Efforts Targeting Emerald Ash Borer	demia \$76,019
6 6.0481 Gene Silencing Using RNA Interference for Bark Beetle Management Aca	demia \$153,173
TOTAL	\$744,796
Louisiana	
Goal Project # Title Cooper	ator Type Funding Level
1S 1S.0048 Sudden Oak Death Survey State Go	overnment \$20,000
1S 1S.0056 Solanaceous Commodity Survey State Go	overnment \$17,000
1S 1S.0059 Citrus Commodity Survey State Go	overnment \$13,280
TOTAL	\$50,280
Maine	
Goal Project # Title Cooper	ator Type Funding Level
1S 1S.0220 Cyst Nematode Survey State Go	overnment \$30,196
1S 1S.0225 Vegetable Crop Pest Survey State Go	overnment \$14,336
1S 1S.0227 Berry Pest Survey State Go	overnment \$12,130
1S 1S.0229 Exotic Woodborer and Bark Beetle Survey State Go	overnment \$35,000
1S 1S.0276 Tree Fruit Pest Survey Aca	demia \$11,391
5 5.0244 Tribes in Maine Invasive Species Project Aca	demia \$91,275
5 5.0339 Outreach and Education of Invasive Species of Forests State Go	overnment \$66,622
5 5.0447 Firewood Outreach Campaign State Go	overnment \$23,169
6 6.0449 Passamaquoddy Emerald Ash Borer Response Project Triba	Nation \$63,933
TOTAL	\$348,046
Maryland	
Goal Project # Title Coopera	ator Type Funding Level
1A 1A.0322 Private Eyes: Creating a Secure Honey Bee Colony Pests and Diseases Data Enclave	-Profit \$81,882
1S 1S.0193 Maryland (MDA) Phytophthora Ramorum Nursery Survey State Go	vernment \$20,000
1S 1S.0452 Asian Defoliator Survey of Maryland State Go	vernment \$25,000
1S 1S.0466 Walnut Twig Beetle/Thousand Canker Disease Survey of Maryland State Go	vernment \$14,000
	vernment \$13,500
3 3.0526 Enhancement of Identification of Fungal Intercepts at Ports of Entry Non-APH	IIS-Federal \$103,825
	IIS-Federal \$172,800

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3	4.0528	Inter-laboratory Validation of High Throughput Sequencing for Detection of Regulated Pathogens on Specialty Crops	APHIS	\$140,000
6	6.0209	Maryland (MDA) Spotted Lanternfly Survey and Outreach	State Government	\$435,434
6	6.0246	cDNA Library Construction of Historical Samples Collected as Part of the National Honey Bee Survey	Academia	\$112,799
6	6.0369	Synergies of Biological Control and Systemic Insecticides to Protect Ash from Emerald Ash Borer	Academia	\$176,104
		TOTAL		\$1,295,344
		Massachusetts		
Goal	Project #	Title	Cooperator Type	Funding Level
1A	1A.0183	Risk Characterization of Lymantria Xylina and L. Mathura Through Marine Translocation	APHIS	\$125,371
<b>1</b> S	1S.0350	Orchard Commodity Survey	State Government	\$31,200
<b>1</b> S	1S.0496	Phytophthora Ramorum Nursery Survey	State Government	\$26,500
3	3.0057	Developing Traps for the Spotted Lanternfly, Lycorma Delicatula	APHIS	\$89,000
3	3.0106	Spotted Lanternfly Pheromones	APHIS	\$453,729
3	3.0113	Lure and Color Trap Development for Monitoring of Citrus Longhorned Beetle Anaplophora Chinesis	APHIS	\$46,899
3	3.0122	Lepidoptera Attractants	State Government	\$58,642
3	3.0363	Development of Droplet Digital PCR for Khapra Beetle	Academia	\$71,529
5	5.0355	Forest and Agricultural Pest Outreach	State Government	\$74,500
6	6.0129	Radio Tracking of Spotted Lanternfly	APHIS	\$99,510
6	6.0141	Attract-and-Kill to Monitor and Manage the Khapra Beetle	APHIS	\$149,836
6	6.0182	Biological Control of the Spotted Lanternfly	APHIS	\$296,920
6	6.0388	Evaluating Efficacy and Persistence of Systemic Insecticide Products Applied with Different Methods for HWA Control	Academia	\$111,948
6	6.0552	Facilitating Spread of the Microsporidian Pathogen, Ovavesicula Popillae, for Long-term Suppression of Japanese Beetle	Academia	\$121,147
6	6.0649	Identifying Effective Treatments for Spotted Lanternfly Control	Academia	\$135,700
		TOTAL		\$1,854,731
		Michigan		
Goal	Project #	Title	Cooperator Type	Funding Level
1S	1S.0561	Oak and Pine Commodity Survey	State Government	\$50,000
1S	1S.0571	Exotic Tortricidae Survey	State Government	\$64,000
1S	1S.0588	Potato Cyst Nematode Survey	State Government	\$16,000
1S	1S.0606	Phytophthora ramorum Survey  TOTAL	Academia	\$20,000 <b>\$150,000</b>
		IOIAL		\$130,000
		Minnesota		
Goal	Project #	Title	Cooperator Type	Funding Level
1A	1A.0456	What hosts Does Trichoferis Campestris Utilize in North America?	Academia	\$60,000
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4.0				
<b>1</b> S	1S.0217	Cyst Nematode Survey	State Government	\$53,748
<b>1</b> S	1S.0223	Pathways Survey for Pests of Multiple Agricultural Systems	State Government	\$110,000
<b>1</b> S	1S.0226	Forest Pathway Survey	State Government	\$80,000
5	5.0228	Invasive Pest Outreach and First Detector	APHIS	\$96,000
5	5.0567	Don't Pack a Pest Campaign for Academic Travelers	State Government	\$56,953
TOTAL			\$456,701	
		Mississippi		
Goal	Project #	Title	Cooperator Type	Funding Level
15	15.0084	Pine Commodity Survey	State Government	\$29,761
15	1S.0085	Oak Commodity Survey	State Government	\$26,770
15	1S.0397	Stone Fruit Commodity Survey	Academia	\$31,165
15	1S.0402	Solanaceous Commodity Survey	Academia	\$38,414
15	1S.0405	Grape and Small Berry Commodity Survey	Academia	\$24,828
3	3.0632	Regional Identification Center for Exotic Plant Pest Species	Academia	\$178,500
5	5.0624	Mississippi Bug Blues: Statewide Invasive Insect Outreach and Education	Academia	\$94,942
5	5.0637	Mississippi Bug Blues Farmers First Initiative	Academia	\$23,743
		TOTAL		\$448,183
		Missouri		
Goal	Project #	Title	Cooperator Type	Funding Level
1S	1S.0097	Thousand Cankers Disease Survey	State Government	\$20,000
TOTAL		\$20,000		
		Montana		
Goal	Project #	Title	Cooperator Tyres	
1S		Title	Cooperator Type	Funding Level
	1S.0177	Mollusk Survey	State Government	Funding Level \$18,000
15	•			
1S 3	1S.0177	Mollusk Survey	State Government	\$18,000
	1S.0177 1S.0550	Mollusk Survey Exotic Wood Borer/Bark Beetle Survey Pulse Crop Diagnostics Don't Move Firewood Campaign	State Government State Government	\$18,000 \$24,589
3	1S.0177 1S.0550 3.0345	Mollusk Survey Exotic Wood Borer/Bark Beetle Survey Pulse Crop Diagnostics	State Government State Government State Government	\$18,000 \$24,589 \$299,828
3 5	15.0177 15.0550 3.0345 5.0093	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Fly-	State Government State Government State Government Academia	\$18,000 \$24,589 \$299,828 \$171,300
3 5 5	15.0177 15.0550 3.0345 5.0093 5.0438	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta	State Government State Government State Government Academia Non-Profit	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402
3 5 5	15.0177 15.0550 3.0345 5.0093 5.0438	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana	State Government State Government State Government Academia Non-Profit	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908
3 5 5	15.0177 15.0550 3.0345 5.0093 5.0438	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana	State Government State Government State Government Academia Non-Profit	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908
3 5 5	15.0177 15.0550 3.0345 5.0093 5.0438	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana  TOTAL	State Government State Government State Government Academia Non-Profit	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908
3 5 5	15.0177 15.0550 3.0345 5.0093 5.0438 6.0555	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana  TOTAL  Nebraska	State Government State Government State Government Academia Non-Profit State Government	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908 \$622,027
3 5 5 6 Goal	1S.0177 1S.0550 3.0345 5.0093 5.0438 6.0555	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana  TOTAL  Nebraska  Title	State Government State Government State Government Academia Non-Profit State Government  Cooperator Type	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908 \$622,027
3 5 5 6 Goal 1S	1S.0177 1S.0550 3.0345 5.0093 5.0438 6.0555	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana  TOTAL  Nebraska  Title  Cyst Nematode Survey	State Government State Government State Government Academia Non-Profit State Government  Cooperator Type State Government	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908 \$622,027
3 5 5 6 Goal 1S	1S.0177 1S.0550 3.0345 5.0093 5.0438 6.0555 Project # 1S.0332 1S.0337	Mollusk Survey  Exotic Wood Borer/Bark Beetle Survey  Pulse Crop Diagnostics  Don't Move Firewood Campaign  Teaching Diverse Audiences About Plant Pests with Flytying  Enhance Mitigation of the Eastern Heath Snail, Xerolenta obvia, in Montana  TOTAL  Nebraska  Title  Cyst Nematode Survey  Khapra Beetle Survey	State Government State Government State Government Academia Non-Profit State Government  Cooperator Type State Government State Government	\$18,000 \$24,589 \$299,828 \$171,300 \$33,402 \$74,908 \$622,027 Funding Level \$37,000 \$5,000

		Nevada		
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	1S.0023	Cyst Nematode Survey	State Government	\$35,111
1S	1S.0024	Solanaceous Commodity Survey	State Government	\$30,000
15	1S.0025	Bundled Phytophthora Survey for P. ramorum and Other Priority Species in Nurseries and Environments	State Government	\$25,411
15	15.0138	Asian Defoliator Survey	State Government	\$16,000
15	15.0139	Khapra Beetle Survey	State Government	\$5,043
15	1S.0147	Palm Commodity Survey	State Government	\$14,000
15	1S.0150	Vegetable Crops Pest Survey	State Government	\$16,000
5	5.0156	Nevada Invasive Pest Outreach	State Government	\$40,000
		TOTAL		\$181,565
		New Hampshire		
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	1S.0050	Vegetable Crops Pest Survey	State Government	\$10,223
<b>1</b> S	1S.0055	Forest Pest Survey	State Government	\$25,000
<b>1</b> S	1S.0196	Orchard Commodity Survey	State Government	\$4,991
5	5.0199	Firewood Pathway Outreach	State Government	\$15,245
5	5.0411	Forest Pest Outreach	Academia	\$45,000
6	6.0232	Field Variation in Emamectin Benzoate Concentrations: Impacts on Emerald Ash Borer and its Biological Control Agents	Academia	\$96,209
		TOTAL		\$196,668
		New Mexico		
Goal	Project #	New Mexico Title	Cooperator Type	Funding Level
1S	1S.0257	Pecan Nut Pest Survey	State Government	\$35,000
15	13.0237	TOTAL	State Government	\$35,000
		TOTAL		733,000
		New York		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0316	Soybean Commodity Survey	State Government	\$50,000
1S	1S.0370	Phytophthora Ramorum Survey	State Government	\$13,406
1S	1S.0653	Grape Commodity Survey	State Government	\$100,000
1S	1S.0654	Orchard Commodity Survey	State Government	\$95,000
1S	1S.0656	Stone Fruit Commodity Survey	State Government	\$275,000
3	3.0277	NPDN and State Diagnostician Preparedness Training	Academia	\$143,963
4	4.0250	Tribal Nursery Certification Program Development	Tribal Nation	\$34,530
4	4.0664	Reinstating Apple Tree Certification in New York	State Government	\$175,000
6	6.0130	Ground Verification of Hemlock Stands Detected Through Remote Sensing	Private Entity	\$54,437
6	6.0272	Response to the Emerald Ash Borer Plant Health Emergency on the St. Regis Mohawk Territory	Tribal Nation	\$253,147

6	6.0548	NYS Incident Management Teams	State Government	\$51,520
6	6.0596	Emerald Ash Borer Biological Control	State Government	\$92,8600
6	6.0659	Development of Management Tactics in Support of Regulatory Efforts to Limit the Establishment and Spread of European Cherry Fruit Fly in New York	Academia	\$192,310
		TOTAL		\$1,672,898
		North Carolina		
Goal	Project #	Title	Cooperator Type	Funding Level
1A	1A.0090	Analytical Support for OPEP Assessments for Newly Added Taxa in the CAPS Pest List	Academia	\$83,260
1A	1A.0289	Eradication Analysis & Decision Support (eRADS)	Academia	\$111,649
1A	1A.0474	Development and Use of a Rapid-Screening Framework to Identify Candidates for Pest Prioritization Using the OPEP Model	Academia	\$89,654
1A	1A.0508	Managing Emerging Pest and Pathogen Threats Using Tangible Landscape Technology	Academia	\$110,080
1A	1A.0523	Automated Host Mapping Tool and Interface for Spread Modeling and Field Operations Planning	Academia	\$108,053
1A	1A.0529	Honey Bee Health: What's Causing Bee Populations to Decline?	Academia	\$46,541
1A	1A.0542	Phytosanitary Response to Pandemics and Recovery (PREPARE)	Academia	\$171,726
<b>1</b> S	15.0018	Grape Commodity Survey	State Government	\$14,000
<b>1</b> S	15.0019	Asian Defoliators Survey	State Government	\$12,407
<b>1</b> S	1S.0020	Solanaceous Commodity Survey	State Government	\$10,695
15	15.0021	State-Specific Survey for Phytophthora Ramorum and P. Kernoviae	State Government	\$12,780
3	3.0096	A Data Driven and Sensor Integrated Platform for Monitoring Emerging Phytophthora Diseases	Academia	\$338,322
5	5.0161	Invasive Pest Outreach	State Government	\$20,000
6	6.0089	Enhancing Exotic Plant-Pest Emergency Response by Developing New Pest Response Guidelines	Academia	\$318,363
6	6.0104	Field Studies to Align Emerald Ash Borer Life Stages to Parasitoid Release for Successful Biological Control	Academia	\$52,319
6	6.0252	A Multifaceted Approach for Classical Biological Control of Alligatorweed	State Government	\$20,156
6	6.0464	A Delimitation Survey Tool for New Pest Response Teams	Academia	\$120,228
		TOTAL		\$1,771,323
		North Dakota		
Goal	Project #	Title	Cooperator Type	Funding Level
1S	1S.0081	Grape Commodity Survey	Academia	\$30,000
1S 1S	1S.0279 1S.0280	Potato Cyst Nematode Survey  Cyst Nematode Survey (Multi-Crop)	State Government State Government	\$85,000
1S	15.0280 15.0282	Khapra Beetle Survey	State Government	\$14,479 \$7,000
1S	15.0282 1S.0293	Phytophthora Ramorum Survey	State Government	\$5,000
5	5.0292	Forest Pest Outreach	State Government	\$25,750
	3.0232	1 01 cot 1 cot outil cutil	Julie Government	725,750

		TOTAL		\$167,229
		Ohio		
Goal	Project #	Title	Cooperator Type	Funding Level
15	15.0240	Phytophthora Ramorum Nursery Soil/Container Mix and Retail Plant Survey	State Government	\$10,000
<b>1</b> S	1S.0300	Grape Commodity Survey	State Government	\$20,000
<b>1</b> S	1S.0312	Orchard Commodity Survey	State Government	\$50,000
5	5.0608	Slow Burn: How Yellow Star Thistle and Other Invasive Species Destroy our Tribal Ranges and What We Can Do	Private Entity	\$28,907
6	6.0564	Development of Handling, Transport, and Release Methods for Sterile Navel Orangeworm	Private Entity	\$300,000
6	6.0615	Invasive Pest Response: Spotted Lanternfly	State Government	\$15,000
		TOTAL		\$423,907
		Oklahoma		
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	15.0301	Phytophthora Ramorum Nursery and/or Environs Survey	State Government	\$20,000
3	3.0404	EDNA-Bacteria for Detection of Six Select Agent and Quarantine Bacteria for the Continental U.S. and Hawaii	Academia	\$159,979
		TOTAL		\$179,979
		Oregon		
Goal	Project #	Title	Cooperator Type	Funding Level
1A	1A.0407	Biological Control Informational Survey Analysis	State Government	\$52,634
1A	1A.0492	Development of Methodology Able to Predict Optimal Field Temperatures for the Spread of Phytophthora Ramorum	Academia	\$74,248
<b>1</b> S	15.0436	Asian Defoliator Survey	State Government	\$235,000
1S	15.0439	Nursery Survey	State Government	\$90,000
15	15.0491	Survey of Information Technology Facilities in Oregon for Exotic Terrestrial Plant Pests and Diseases	State Government	\$40,000
<b>1</b> S	1S.0497	Exotic Fruit Fly Survey	State Government	\$30,000
15	1S.0530	Vegetable Crops Pest Survey	State Government	\$40,000
5	5.0617	Don't Pack a Pest Program for Academic Travelers: National Capacity Building, Research, Innovation, and Coordination	Academia	\$93,835
5	5.0644	Outreach and Education Services for Nursery Growers on Boxwood Blight	State Government	\$35,665
6	6.0233	Development of Nematodes in the Genus Phasmarhabditis as Biological Control Agents of Invasive Gastropods	Academia	\$128,682
6	6.0401	Biocontrol Greenhouse Thrips	State Government	\$51,660
6	6.0444	Azalea Lacebug Biocontrol	State Government	\$77,957
6	6.0498	Risk Assessment of Phytophthora Quercina, a Newly Detected Oak Pathogen in the Western U.S.	Academia	\$50,642
6	6.0598	Light Brown Apple Moth Delimitation	State Government	\$125,000
		TOTAL		\$1,125,323

	Pennsylvania				
Goal	Project #	Title	Cooperator Type	Funding Level	
1A	1A.0169	Developing Predictive Models on the Impact of Landscape Management Practices on Bee Pathogen Levels	Academia	\$89,177	
1A	1A.0399	Modeling and Mapping Spotted Lanternfly Plant Species Feeding Preferences Across the U.S.	Academia	\$76,890	
<b>1</b> S	1S.0009	Orchard Commodity Survey	State Government	\$90,000	
<b>1</b> S	1S.0291	Public Garden Surveys	Non-Profit	\$75,000	
15	1S.0307	Oak Commodity Survey	State Government	\$40,000	
<b>1</b> S	15.0400	Asian Longhorned Beetle Survey	State Government	\$10,705	
<b>1</b> S	1S.0409	Small Fruit Disease Survey	State Government	\$45,000	
<b>1</b> S	1S.0538	Grape Commodity Survey	State Government	\$40,000	
15	1S.0546	Walnut Twig Beetle Survey	State Government	\$15,000	
2	2.0328	Pennsylvania Spotted Lanternfly Regulatory Canine	State Government	\$110,633	
3	3.0002	Screening and Identification Services for Wood-boring Insect Pests	Non-Profit	\$57,500	
5	5.0251	Forest Pest Outreach	State Government	\$64,585	
5	5.0278	Sentinel Plant Network	Non-Profit	\$145,000	
5	5.0454	Spotted Lanternfly Outreach	Academia	\$354,321	
6	6.0088	Population Dynamics of Spotted Lanternfly	Academia	\$91,518	
6	6.0426	Mathematical Modeling of Spotted Lanternfly Population Dynamics to Aid in Spread Prediction and Control Optimization	Academia	\$120,044	
	·	TOTAL	<u> </u>	\$1,425,373	

Puerto Rico				
Goal	Project #	Title	Cooperator Type	Funding Level
3	3.0655	Research in Puerto Rico to Support the Old World Bollworm Program	Academia	\$114,984
		TOTAL		\$114,984
		Rhode Island		
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	1S.0309	Vegetable Crop Pest Survey	State Government	\$14,498
<b>1</b> S	1S.0321	Grape Commodity Survey	State Government	\$14,498
15	1S.0396	Nursery and Retail Plants Survey for Phytophthora Ramorum	Academia	\$20,000
<b>1</b> S	1S.0432	Stone Fruit Commodity Survey	Academia	\$22,720
5	5.0365	Forest and Agriculture Pest Outreach Project	State Government	\$19,680
		TOTAL		\$91,396
		South Carolina		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0210	Phytophthora Ramorum Nursery Survey	State Government	\$20,000
<b>1</b> S	1S.0212	Solanaceous Survey	State Government	\$35,000
<b>1</b> S	1S.0213	Grape Commodity Survey	State Government	\$35,000

			1	T
15	1S.0216	Stone Fruit Commodity Survey	State Government	\$19,389
5	5.0200	Forest Pest Education and Outreach	State Government	\$37,196
5	5.0286	Junior Invasive Inspector Program	State Government	\$31,000
5	5.0582	Southeastern Regional Forest Health and Invasive Species Education Program	Academia	\$55,233
		TOTAL		\$232,818
		South Dakota		
Goal	Project #	Title	Cooperator Type	Funding Level
<b>1</b> S	15.0043	Khapra Beetle Detection Survey	State Government	\$6,779
		TOTAL		\$6,779
		Tennessee		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0053	Phytophthora Ramorum Nursery and/or Environs Survey	State Government	\$20,000
15	15.0231	Grape Commodity Survey	Academia	\$50,000
15	15.0361	Asian Defoliator Survey	Academia	\$14,942
4	4.0425	Development of a Pre-harvest Spray and Post-harvest Drenches for Regulatory Pests in Nursery Stock	Academia	\$106,816
5	5.0477	Forest Pest Outreach and Survey Project	Academia	\$47,929
6	6.0346	Development of Firewood Certification Program	State Government	\$13,195
	0.00.10	TOTAL	State Covernment	\$252,882
				, , , , , ,
		Texas		l
Goal	Project #	Title	Cooperator Type	Funding Level
1A	1A.0005	Predictive Niche Modeling for the Identification of Cotton, Corn, and Grape Pathogens of Greatest Concern in Texas	Academia	\$81,687
15	1S.0026	Texas Exotic Wood Boring Beetle Survey	Academia	\$55,152
15	1S.0107	Invasive Lepidoptera of Texas: Survey of Asian Defoliator Moths with Oak Moths and Pine Moths	Academia	\$66,869
15	1S.0455	Stone Fruit Commodity Survey	Academia	\$64,350
15	1S.0462	Grape Commodity Survey	Academia	\$45,000
15	1S.0470	Palm Commodity Survey	Academia	\$63,185
2	2.0062	Critical Entry Point Monitoring for the Pests of Biosecurity Concern	State Government	\$1,167,022
3	3.0202	Validating Bulk Insect Molecular Identification for Invasive Insect Pests	Academia	\$199,400
3	3.0202 3.0256	Validating Bulk Insect Molecular Identification for Invasive	Academia Academia	\$199,400 \$108,908
		Validating Bulk Insect Molecular Identification for Invasive Insect Pests		·
3	3.0256	Validating Bulk Insect Molecular Identification for Invasive Insect Pests Identification Resources for European Cherry Fruit Fly	Academia	\$108,908
3	3.0256 3.0351	Validating Bulk Insect Molecular Identification for Invasive Insect Pests Identification Resources for European Cherry Fruit Fly Resolving Species Complexes of Bactrocera Fruit Flies Development of Diagnostic Tools for All Life Stages of	Academia Academia	\$108,908 \$490,422

4	4.0047	Development of a Handheld Infrared Thermography- Minirhizotron Device for Rapid Detection of Cyst	Academia	\$131,834
		Nematodes		, ,
5	5.0154	Texas Statewide Invasive Species Education and Outreach Program	Academia	\$53,269
5	5.0185	Nursery Outreach Training for High-Consequence Pests	State Government	\$30,000
5	5.0446	Master Gardener Advanced Training – Texas First Detector Program	Academia	\$56,352
5	5.0534	Enhancing Outreach Tools and Opportunities	APHIS	\$10,575
		Design and Development of Automated Invasive Pest		
6	6.0051	Survey and Sorting Devices for Field Deployment	Academia	\$146,814
	6.0000	Effects of Electron Beam on Potato/Tomato Psyllid and	A d d .	6426.275
6	6.0098	Disease Transmission	Academia	\$136,275
6	6.0123	Screening of Novel Antibacterial Producing Soil Isolates as Biocontrol Agents Against the Rice Pathogen Xanthamonas Ory	Academia	\$97,741
6	6.0172	Developing a sUAS Sensing Platform for Enhancing Florida's Aquatic Invasive Plant Management	Academia	\$111,884
6	6.0192	Microbial Control of Candidatus Liberibacter Asiaticus	Academia	\$202,521
6	6.0197	Targeted Antimicrobials to Maximize the Production and	Academia	\$217,002
		Health of Anastrepha Ludens		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
6	6.0248	The Use of Unmanned Aircraft Systems to Aid in the Survey and Detection of Asian Longhorned Beetle in Forested	APHIS	\$85,362
0	0.0246	Regions	AFIIIS	\$65,502
_		CRISPR-based Antimicrobial for the Targeted Removal of		4
6	6.0374	Bacterial Plant Pathogens	Academia	\$364,408
6	6.0406	Evaluating Nanoparticles for Improved Delivery and	Academia	\$183,651
0	0.0400	Survival of Therapeutics	Academia	\$183,031
6	6.0605	Reducing Radiation Dose in Mexican Fruit Fly SIT Using X-	Academia	\$199,945
		ray Excitable Environmentally Friendly Nanoparticles  TOTAL		\$5,093,804
		TOTAL		\$5,055,604
		Utah		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0095	Specialty Crops Pest Survey	Academia	\$17,000
3	3.0453	Impact of Bycatch on Pollinator Populations and Services	Academia	\$82,865
5	5.0245	Invasive Pest Outreach	Academia	\$49,995
	0.02.0	TOTAL	7.0000	\$149,860
				7213,000
		Vermont		
Goal	Project #	Title	Cooperator Type	Funding Level
15	1S.0195	Exotic Wood Borer/Bark Beetle Survey	State Government	\$20,500
15	1S.0201	Field Crops Pest Survey	State Government	\$31,082
15	1S.0208	Vegetable Crops Pest Survey	State Government	\$18,597
1S	1S.0554	Tree Fruit Pest Survey	State Government	\$18,597
5	5.0137	Forest Pest Outreach Project	State Government	\$68,963
		TOTAL		\$157,739

6 6.0430 Asian Gypsy Moth Response State Government \$46,019 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level 1S 1S.0071 Asian Defoliator Survey State Government \$16,000  1S 1S.0072 Grape Commodity Survey State Government \$5,000  1S 1S.0073 Solanaceous Commodity Survey State Government \$13,000  1S 1S.0074 Stone Fruit Commodity Survey State Government \$8,000  1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$15,000			Virginia		
15 15.0488 Thousand Canker Disease/Walnut Twig Beetle Survey State Government \$20,000 3 3.0622 Culture-independent Metagenomic Sequencing for Xylella Academia \$143,599 6 6.0224 Improving Boxwood Blight Mitigation Through Innovative Academia \$300,000  TOTAL \$512,599  Washington  Title Cooperator Type Funding Level Pests 1A 1A.0264 Improving Risk Modeling and Monitoring for Invasive Fruit Academia \$164,418 1S 15.0128 Forest Pest Survey State Government \$270,000 1S 15.0139 Mollusk Survey State Government \$270,000 1S 15.0033 Moshington State Grape Commodity Pest Survey State Government \$88,000 1S 15.0633 Washington State Grape Commodity Pest Survey State Government \$100,000 1S 15.0639 Washington State Department of Agriculture Lepidoptera Identification Center Assessment of the Presence of Nepovirus Viruliferous Nematode Presence 4 4.0441 Assessment of the Presence of Nepovirus Viruliferous Nematode Presence 5 5.0127 Washington State Outreach and Education State Government \$70,000 1S 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761 1S 5.0127 Washington State Outreach and Education State Government \$168,940 1S 5.0127 Washington State Outreach and Education State Government \$70,000 1S 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761 1S 6.0160 Asian Gypsy Moth Eradication in Washington State Sovernment \$149,580 1S 6.0160 Asian Gypsy Moth Eradication in Washington State Sovernment \$46,019 1S 15.0073 Solanaceous Commodity Survey State Government \$46,019 1S 15.0073 Solanaceous Commodity Survey State Government \$150,000 1S 15.0073 Solanaceous Commodity Survey State Government \$150,000 1S 15.0073 Solanaceous Commodity Survey State Government \$151,000 1S 15.0074 Stone Fruit Commodity Survey State Government \$150,000 1S 15.0073 Solanaceous Commodity Survey State Government \$150,000 1S 15.0074 Stone Fruit Commodity Survey State Government \$150,000 1S 15.0074 Stone Fruit Commodity Survey State Government \$150,000 1S 15.0074 Stone Fruit Commodity Survey State Government \$150,000	Goal	Project #	Title	Cooperator Type	Funding Level
15	<b>1</b> S	1S.0376	Phytophthora Ramorum Nursery Survey	State Government	\$20,000
15	1S	15.0488		State Government	
3.0622   Culture-independent Metagenomic Sequencing for Xylella Fastidiosa Detection and Identification   Academia   S143,599					
TOTAL  TOTAL  S512,599  TOTAL  S512,599  Washington  Title  Cooperator Type Funding Level  IA 1A.0264 Improving Risk Modeling and Monitoring for Invasive Fruit Pests  15 15.0128 Forest Pest Survey State Government  S10,000  S15 15.0239 Mollusk Survey State Government  S10,000  S15 15.0613 Washington State Grape Commodity Pest Survey State Government  S15,000  Washington State Department of Agriculture Lepidoptera Identification Center  Assessment of the Presence of Nepovirus Viruliferous Nematode Presence  S 5.0127 Washington State Outreach and Education  S 5.0162 Tribal Collaborative Response to Invasive Species  Mallingt an Interagency Emergency Response Framework and Improving Capacity  Mollus Survey State Government  S168,940  State Government  S168,940  Assessment of the Presence of Nepovirus Viruliferous Nematode Presence  S 5.0127 Washington State Outreach and Education  State Government  S10,000  S10 Stateming for Eradication or Phytophthora Ramorum  and the Vineyard Snail Eradication or Phytophthora Ramorum  and the Vineyard Snail Eradication or Phytophthora Ramorum  S10,000  S10,007			Culture-independent Metagenomic Sequencing for Xylella		
Washington   Title   Cooperator Type   Funding Level	6	6.0224	Improving Boxwood Blight Mitigation Through Innovative	Academia	\$300,000
Title			TOTAL	1	\$512,599
Title					
1A   1A   1A   1A   1A   1A   1A   1A			Washington		
15.   15.0128   Forest Pest Survey   State Government   \$100,000	Goal	Project #	Title	Cooperator Type	Funding Level
15 15.0194 Asian Defoliator Survey State Government \$270,000 15 15.0239 Mollusk Survey State Government \$85,000 15 15.0239 Mollusk Survey State Government \$85,000 15 15.0633 Washington State Grape Commodity Pest Survey State Government \$100,000 15 15.0639 Washington State Department of Agriculture Lepidoptera Identification Center State Government \$150,000 3 3.0517 Assessment of the Presence of Nepovirus Viruliferous Nematodes in Registered Blocks with Known Vector Nematode Presence 4 4.0441 Nematodes in Registered Blocks with Known Vector Nematode Presence 5 5.0127 Washington State Outreach and Education State Government \$70,000 5 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761 5 5.0429 WSDA Invasive Pest Outreach State Government \$49,580 6 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity State Government \$240,035 6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$46,019 6 6.0430 Asian Gypsy Moth Response State Government \$46,019 6 6.0430 Asian Gypsy Moth Response State Government \$140,000 6 6.0430 Asian Gypsy Moth Response State Government \$140,000 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail TOTAL \$1,950,033  ***TOTAL**  **TOTAL**  **TOTAL**  **State Government**  **State	1A	1A.0264		Academia	\$164,418
1S 1S.0239 Mollusk Survey State Government \$85,000 1S 1S.0613 Washington State Grape Commodity Pest Survey State Government \$100,000 1S 1S.0639 Washington State Stone Fruit Commodity Pest Survey State Government \$150,000 3 3.0517 Washington State Department of Agriculture Lepidoptera Identification Center State Government \$145,083 4 4.0441 Nematodes in Registered Blocks with Known Vector Nematode Presence Nematode Presence State Government \$168,940 1S 5.0127 Washington State Outreach and Education State Government \$70,000 1S 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761 1S 5.0429 WSDA Invasive Pest Outreach State Government \$49,580 1S 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity State Government \$40,035 1S 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$40,035 1S 6.0430 Asian Gypsy Moth Response State Government \$40,019 1S 1S.0071 Asian Defoliator Survey State Government \$1140,000 1S 1S.0072 Grape Commodity Survey State Government \$50,000 1S 1S.0073 Solanaceous Commodity Survey State Government \$50,000 1S 1S.0074 Stone Fruit Commodity Survey State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora State Government \$50,000 1S 1S.0070 Norsery And Retail Plants Pest Survey (Phytophthora State Government \$50,000	15	1S.0128	Forest Pest Survey	State Government	\$100,000
15	1S	1S.0194	Asian Defoliator Survey	State Government	\$270,000
15 15.0639 Washington State Stone Fruit Commodity Pest Survey State Government \$150,000  3 3.0517 Washington State Department of Agriculture Lepidoptera Identification Center Assessment of the Presence of Nepovirus Viruliferous Nematodes in Registered Blocks with Known Vector Nematode Presence  5 5.0127 Washington State Outreach and Education State Government \$70,000  5 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761  5 5.0429 WSDA Invasive Pest Outreach  6 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity State Government \$240,035  6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$46,019  6 6.0430 Asian Gypsy Moth Response State Government \$440,000  6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail  TOTAL \$1,950,033  West Virginia  Cooperator Type Funding Level  15 15.0071 Asian Defoliator Survey State Government \$5,000  15 15.0073 Solanaceous Commodity Survey State Government \$5,000  15 15.0074 Stone Fruit Commodity Survey State Government \$13,000  15 15.0074 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$13,000  15 15.0000 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$13,000  16 15.0000 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$13,000	15	1S.0239	Mollusk Survey	State Government	\$85,000
3 3.0517 Washington State Department of Agriculture Lepidoptera Identification Center  Assessment of the Presence of Nepovirus Viruliferous Nematodes in Registered Blocks with Known Vector Nematode Presence  5 5.0127 Washington State Outreach and Education State Government \$70,000 5 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761 5 5.0429 WSDA Invasive Pest Outreach State Government \$49,580 6 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity State Government \$240,035 6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$46,019 6 6.0430 Asian Gypsy Moth Response State Government \$46,019 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail  TOTAL \$1,950,033  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level 15 15.0071 Asian Defoliator Survey State Government \$5,000 15 15.0073 Solanaceous Commodity Survey State Government \$1,000 15 15.0074 Stone Fruit Commodity Survey State Government \$13,000 15 15.0074 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$8,000 15 15.0000 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$13,000	1S	1S.0613	Washington State Grape Commodity Pest Survey	State Government	\$100,000
A	15	1S.0639	Washington State Stone Fruit Commodity Pest Survey	State Government	\$150,000
4 4.0441 Nematodes in Registered Blocks with Known Vector Nematode Presence  5 5.0127 Washington State Outreach and Education State Government \$70,000  5 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761  5 5.0429 WSDA Invasive Pest Outreach 6 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity and Improving Capacity 6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$240,035  6 6.0178 Vineyard Snail Eradication State State Government \$46,019  6 6.0430 Asian Gypsy Moth Response State Government \$140,000  6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level  1S 15.0071 Asian Defoliator Survey State Government \$16,000  1S 15.0072 Grape Commodity Survey State Government \$5,000  1S 15.0073 Solanaceous Commodity Survey State Government \$1,000  1S 15.0074 Stone Fruit Commodity Survey State Government \$1,000  Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) \$15,000	3	3.0517	, , , , , , , , , , , , , , , , , , , ,	State Government	\$145,083
5 5.0162 Tribal Collaborative Response to Invasive Species Academia \$89,761 5 5.0429 WSDA Invasive Pest Outreach State Government \$49,580 6 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity State Government \$80,000 6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$240,035 6 6.0178 Vineyard Snail Eradication State State Government \$46,019 6 6.0430 Asian Gypsy Moth Response State Government \$140,000 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail TOTAL \$1,950,033  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level 1S 1S.0071 Asian Defoliator Survey State Government \$16,000 1S 1S.0072 Grape Commodity Survey State Government \$5,000 1S 1S.0073 Solanaceous Commodity Survey State Government \$13,000 1S 1S.0074 Stone Fruit Commodity Survey State Government \$8,000  Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$15,000	4	4.0441	Nematodes in Registered Blocks with Known Vector	State Government	\$168,940
55.0429WSDA Invasive Pest OutreachState Government\$49,58066.0159Building an Interagency Emergency Response Framework and Improving CapacityState Government\$80,00066.0160Asian Gypsy Moth Eradication in Washington StateState Government\$240,03566.0178Vineyard Snail EradicationState Government\$46,01966.0430Asian Gypsy Moth ResponseState Government\$140,00066.0482Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard SnailState Government\$51,197TOTAL\$1,950,033West VirginiaGoalProject #TitleCooperator TypeFunding Level1S1S.0071Asian Defoliator SurveyState Government\$16,0001S1S.0072Grape Commodity SurveyState Government\$5,0001S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000	5	5.0127	Washington State Outreach and Education	State Government	\$70,000
6 6.0159 Building an Interagency Emergency Response Framework and Improving Capacity \$80,000 6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$240,035 6 6.0178 Vineyard Snail Eradication \$140,000 6 6.0430 Asian Gypsy Moth Response \$140,000 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail \$1,950,033  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level 1S 15.0071 Asian Defoliator Survey \$16,000 1S 15.0072 Grape Commodity Survey \$15.0073 Solanaceous Commodity Survey \$15.0074 Stone Fruit Commodity Survey \$15.000 1S 15.0074 Stone Fruit Commodity Survey \$15.000 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) \$15,000	5	5.0162	Tribal Collaborative Response to Invasive Species	Academia	\$89,761
and Improving Capacity  6 6.0160 Asian Gypsy Moth Eradication in Washington State  6 6.0178 Vineyard Snail Eradication  6 6.0430 Asian Gypsy Moth Response  6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail  TOTAL  State Government  \$140,000	5	5.0429	WSDA Invasive Pest Outreach	State Government	\$49,580
6 6.0160 Asian Gypsy Moth Eradication in Washington State State Government \$240,035 6 6.0178 Vineyard Snail Eradication State Government \$46,019 6 6.0430 Asian Gypsy Moth Response State Government \$140,000 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail State Government \$51,197  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level 1S 1S.0071 Asian Defoliator Survey State Government \$16,000 1S 1S.0073 Grape Commodity Survey State Government \$55,000 1S 1S.0074 Stone Fruit Commodity Survey State Government \$13,000 1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$55,000	6	6.0159		State Government	\$80,000
6 6.0430 Asian Gypsy Moth Response State Government \$140,000 6 6.0482 Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail State Government \$51,197  TOTAL \$1,950,033  West Virginia  Goal Project # Title Cooperator Type Funding Level 1S 1S.0071 Asian Defoliator Survey State Government \$16,000 1S 1S.0072 Grape Commodity Survey State Government \$5,000 1S 1S.0073 Solanaceous Commodity Survey State Government \$13,000 1S 1S.0074 Stone Fruit Commodity Survey State Government \$13,000 1S 1S.0074 Stone Fruit Commodity Survey State Government \$13,000 1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$15,000	6	6.0160	Asian Gypsy Moth Eradication in Washington State	State Government	\$240,035
Soil Steaming for Eradication of Phytophthora Ramorum and the Vineyard Snail  TOTAL  State Government \$51,197  West Virginia  Goal Project # Title Cooperator Type Funding Level 1S 1S.0071 Asian Defoliator Survey State Government \$16,000  1S 1S.0072 Grape Commodity Survey State Government \$5,000  1S 1S.0073 Solanaceous Commodity Survey State Government \$13,000  1S 1S.0074 Stone Fruit Commodity Survey State Government \$13,000  1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)  State Government \$15,000	6	6.0178	Vineyard Snail Eradication	State Government	\$46,019
TOTAL  West Virginia  Goal Project # Title Cooperator Type Funding Level  1S 1S.0071 Asian Defoliator Survey State Government \$16,000  1S 1S.0072 Grape Commodity Survey State Government \$5,000  1S 1S.0073 Solanaceous Commodity Survey State Government \$13,000  1S 1S.0074 Stone Fruit Commodity Survey State Government \$13,000  1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)  State Government \$15,000	6	6.0430	Asian Gypsy Moth Response	State Government	\$140,000
West VirginiaGoalProject #TitleCooperator TypeFunding Level1S1S.0071Asian Defoliator SurveyState Government\$16,0001S1S.0072Grape Commodity SurveyState Government\$5,0001S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000	6	6.0482		State Government	\$51,197
GoalProject #TitleCooperator TypeFunding Level1S1S.0071Asian Defoliator SurveyState Government\$16,0001S1S.0072Grape Commodity SurveyState Government\$5,0001S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000		•			\$1,950,033
GoalProject #TitleCooperator TypeFunding Level1S1S.0071Asian Defoliator SurveyState Government\$16,0001S1S.0072Grape Commodity SurveyState Government\$5,0001S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000					
GoalProject #TitleCooperator TypeFunding Level1S1S.0071Asian Defoliator SurveyState Government\$16,0001S1S.0072Grape Commodity SurveyState Government\$5,0001S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000			West Virginia		
1S1S.0072Grape Commodity SurveyState Government\$5,0001S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000	Goal	Project #	Title	Cooperator Type	Funding Level
1S1S.0073Solanaceous Commodity SurveyState Government\$13,0001S1S.0074Stone Fruit Commodity SurveyState Government\$8,0001S1S.0100Nursery and Retail Plants Pest Survey (Phytophthora Ramorum)State Government\$15,000	15	1S.0071	Asian Defoliator Survey	State Government	\$16,000
1S 1S.0074 Stone Fruit Commodity Survey State Government \$8,000  1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$15,000	15	1S.0072	Grape Commodity Survey	State Government	\$5,000
1S 1S.0100 Nursery and Retail Plants Pest Survey (Phytophthora Ramorum) State Government \$15,000	15	1S.0073	Solanaceous Commodity Survey	State Government	\$13,000
15 15.0100 Ramorum) State Government \$15,000	15	1S.0074	Stone Fruit Commodity Survey	State Government	\$8,000
	15	15.0100		State Government	\$15,000
	5	5.0207	·	State Government	\$48,000

	Enhanced Mitigation and Rapid Response to Spotted		
6.0038	Lanternfly: Host Plant Impacts, Phenology and	Non-APHIS-Federal	\$230,782
	Biosurveillance		
6.0532	Spotted Lanternfly Project	Non-APHIS-Federal	\$40,000
	TOTAL		\$375,782
	Wisconsin		
Project #	Title	Cooperator Type	Funding Level
1S.0187	Potato Cyst Nematode Survey	Academia	\$58,750
16.0227	Pathway Survey for Exotic Woodborers/Bark Beetles on	Non Drofit	¢40,000
15.0327	Tribal Lands	Non-Pront	\$40,000
1S.0381	Bundled Fruit and Vegetable Crops Pest Survey	State Government	\$96,000
5.0174	Board Sponsorship WTCAC	Non-Profit	\$25,422
5.0326	Investigating in the Future	Non-Profit	\$78,000
E 0202	Strengthening Resources and Volunteer Opportunities with	Acadomia	¢E4 496
5.0392	Wisconsin First Detector Network	Academia	\$54,486
5.0394	Wisconsin Forest Pest and Disease Awareness Initiative	State Government	\$30,753
5.0652	Wedd Free Forage Standards and Training Program	Non-Profit	91,343
3.0032	Expansion and Mulch Standards Development	Non-Front	91,343
	TOTAL		\$474,754
	National		
Project #	Title	Cooperator	Funding Level
Project # 1S.0013	Title Support of the Survey Supplies Procurement Program	APHIS	Funding Level \$850,000
	Title	•	
1S.0013	Title Support of the Survey Supplies Procurement Program	APHIS	\$850,000
1S.0013 1S.0039	Title Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey	APHIS State Government	\$850,000 \$20,000
15.0013 15.0039 15.0560 2.0373	Title Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey	APHIS State Government State Government APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562
15.0013 15.0039 15.0560 2.0373 3.0354	Title Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance	APHIS State Government State Government	\$850,000 \$20,000 \$1,233,526
15.0013 15.0039 15.0560 2.0373	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey	APHIS State Government State Government APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413	Title  Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys	APHIS State Government State Government APHIS State Government State Government	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284
15.0013 15.0039 15.0560 2.0373 3.0354	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs	APHIS State Government State Government APHIS State Government	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior	APHIS State Government State Government APHIS State Government State Government APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health	APHIS State Government State Government APHIS State Government State Government APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL Tribal Nations	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL Tribal Nations pecifically identified as Tribal Nations; funding amount is incorporate	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL Tribal Nations pecifically identified as Tribal Nations; funding amount is incorporately	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS  ted into the state funding Cooperator Saint Regis Mohawk	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535 levels previously
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634  perators who s  Project # 4.0250	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL Tribal Nations pecifically identified as Tribal Nations; funding amount is incorporate listed. Title	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS  ted into the state funding Cooperator Saint Regis Mohawk Tribe	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535 levels previously Funding Level
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634 perators who s	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL Tribal Nations pecifically identified as Tribal Nations; funding amount is incorporatelisted. Title  Tribal Nursery Certification Program Development	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS  ted into the state funding Cooperator Saint Regis Mohawk	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535 levels previously
15.0013 15.0039 15.0560 2.0373 3.0354 3.0413 4.0094 5.0461 5.0634  perators who s  Project # 4.0250	Support of the Survey Supplies Procurement Program Phytophthora Ramorum National Nursery Survey National Honey Bee Pest and Diseases Survey Canine Training and Maintenance National Identification Center for Support of CAPS and Other Surveys National Native and Non-native Bee and Wasp Survey Audit Training for State and Federal Personnel – Plant Pest Management Accreditation Programs PlayCleanGo Campaign Public Outreach and Behavior Change Hungry Pests International Year of Plant Health TOTAL Tribal Nations pecifically identified as Tribal Nations; funding amount is incorporat listed. Title  Tribal Nursery Certification Program Development Response to the Emerald Ash Borer Plant Health Emergency	APHIS State Government State Government APHIS State Government State Government APHIS Non-Profit APHIS  ted into the state funding Cooperator Saint Regis Mohawk Tribe Saint Regis Mohawk	\$850,000 \$20,000 \$1,233,526 \$197,562 \$188,161 \$74,284 \$40,000 \$144,002 \$300,000 \$3,047,535 levels previously Funding Level
	6.0532  Project # 15.0187  15.0327  15.0381  5.0174  5.0326  5.0392	6.0038 Lanternfly: Host Plant Impacts, Phenology and Biosurveillance 6.0532 Spotted Lanternfly Project  TOTAL  Wisconsin  Project # Title  1S.0187 Potato Cyst Nematode Survey  Pathway Survey for Exotic Woodborers/Bark Beetles on Tribal Lands  1S.0327 Pathway Survey for Exotic Woodborers/Bark Beetles on Tribal Lands  1S.0381 Bundled Fruit and Vegetable Crops Pest Survey  5.0174 Board Sponsorship WTCAC  5.0326 Investigating in the Future  5.0392 Strengthening Resources and Volunteer Opportunities with Wisconsin First Detector Network  5.0394 Wisconsin Forest Pest and Disease Awareness Initiative  Wedd Free Forage Standards and Training Program Expansion and Mulch Standards Development	6.0038 Lanternfly: Host Plant Impacts, Phenology and Biosurveillance  6.0532 Spotted Lanternfly Project Non-APHIS-Federal  TOTAL  Wisconsin  Project # Title Cooperator Type  1S.0187 Potato Cyst Nematode Survey Academia  1S.0327 Pathway Survey for Exotic Woodborers/Bark Beetles on Tribal Lands  1S.0381 Bundled Fruit and Vegetable Crops Pest Survey State Government  5.0174 Board Sponsorship WTCAC Non-Profit  5.0326 Investigating in the Future Non-Profit  5.0392 Strengthening Resources and Volunteer Opportunities with Wisconsin First Detector Network  5.0394 Wisconsin Forest Pest and Disease Awareness Initiative State Government  Vend Free Forage Standards and Training Program Expansion and Mulch Standards Development  Non-Profit

**TOTAL** 

\$351,610