

# 10201- III. Enhance Pest Identification and Technology

<b>1. Strategy: Improve all aspects of early detection resources.</b>						
	<b>Not Important</b>	<b>Important</b>	<b>Very Important</b>	<b>No Opinion</b>	<b>Rating Average</b>	<b>Response Count</b>
Develop new and improve existing traps and lures to more efficiently and effectively trap for insects (e.g., find an alternative for sticky traps for Lepidoptera).	1.9% (2)	19.6% (21)	<b>76.6% (82)</b>	1.9% (2)	2.76	107
Improve trap and lure inventory system to be able to respond to emergency requests.	0.9% (1)	24.3% (26)	<b>72.9% (78)</b>	1.9% (2)	2.73	107
Utilize emerging technology to develop and deploy more effective survey tools, including canines and so called "smart traps."	4.7% (5)	24.5% (26)	<b>67.0% (71)</b>	3.8% (4)	2.65	106
Educate survey staff on how to properly use traps and lures.	2.8% (3)	<b>51.4% (55)</b>	43.0% (46)	2.8% (3)	2.41	107
Develop and implement a quality assurance and quality control program for traps and lures at the field level to ensure that they are being used properly.	5.6% (6)	<b>57.9% (62)</b>	34.6% (37)	1.9% (2)	2.30	107
Develop and validate molecular diagnostic tools for insect and disease identification.	1.9% (2)	<b>52.3% (56)</b>	43.9% (47)	1.9% (2)	2.43	107
	<b><i>answered question</i></b>					<b>107</b>
	<b><i>skipped question</i></b>					<b>1</b>

**2. Strategy: Enhance pest screening expertise and taxonomic capacity.**

	Not Important	Important	Very Important	No Opinion	Rating Average	Response Count
Develop a plan to address the resources and solutions for fully supporting plant pest screening and taxonomic identifications.	1.0% (1)	47.1% (49)	<b>50.0% (52)</b>	1.9% (2)	2.50	104
Fund Mississippi State University, Washington State Department of Agriculture, and Oregon Department of Agriculture to service survey samples from neighboring States.	14.3% (15)	<b>51.4% (54)</b>	14.3% (15)	20.0% (21)	2.00	105
Provide funds to augment plant pest screening and taxonomic identifications.	0.0% (0)	<b>53.3% (56)</b>	42.9% (45)	3.8% (4)	2.45	105
Develop cooperative relationships with additional institutions with regional expertise in pest screening for surveys.	1.9% (2)	<b>51.4% (54)</b>	43.8% (46)	2.9% (3)	2.43	105
	<b><i>answered question</i></b>					<b>105</b>
	<b><i>skipped question</i></b>					<b>3</b>

### 3. Strategy: Increase the deployment of molecular diagnostic tools.

	Not Important	Important	Very Important	No Opinion	Rating Average	Response Count
Increase funds for molecular diagnostics methods development, training, accreditation, testing, and making tools operational for plant pests that require it.	4.8% (5)	<b>38.1% (40)</b>	27.6% (29)	29.5% (31)	2.32	105
Strategically locate laboratory equipment for hands-on training of biochemical and molecular diagnostics to scientists within Plant Protection & Quarantine (PPQ), National Plant Diagnostic Network (NPDN), State departments of agriculture, and foreign plant protection organizations.	7.6% (8)	32.4% (34)	25.7% (27)	<b>34.3% (36)</b>	2.28	105
Enhance training sessions currently conducted in the Center for Plant Health Science Technology (CPHST) Beltsville Lab and develop training capacity for arthropod molecular diagnostics with dedicated staffing and resources, deployed in the future to the training facility area of the new PPQ Molecular Diagnostics Facility once occupied in 2011.	9.5% (10)	<b>41.0% (43)</b>	15.2% (16)	34.3% (36)	2.09	105
Develop, adapt, validate, and transfer technologies for rapid and accurate molecular and biochemical diagnostics to: field or offshore deployment, in foreign germplasm introduction services, at ports-of-entry and plant introduction stations, and to PPQ designated confirmatory labs.	4.8% (5)	<b>37.1% (39)</b>	24.8% (26)	33.3% (35)	2.30	105
Use Cooperative Research and Development Agreements(CRADA) to bring detection, identification, and diagnostic technologies and tools out of CPHST laboratories to PPQ and the public through commercial entities that can mass produce and quality control and quality assure the products for large-scale use.	11.5% (12)	25.0% (26)	26.0% (27)	<b>37.5% (39)</b>	2.23	104
<b>answered question</b>						<b>105</b>

	<i>skipped question</i>	<b>3</b>
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<b>4. Strategy: Develop and implement a comprehensive Traps &amp; Lures Management Program.</b>						
	<b>Not Important</b>	<b>Important</b>	<b>Very Important</b>	<b>No Opinion</b>	<b>Rating Average</b>	<b>Response Count</b>
Establish a National Traps & Lures (T&L) Program.	6.7% (7)	26.9% (28)	30.8% (32)	<b>35.6% (37)</b>	2.37	104
Review funding and conduct audits.	6.8% (7)	32.0% (33)	25.2% (26)	<b>35.9% (37)</b>	2.29	103
Increase inventory.	6.9% (7)	32.7% (33)	20.8% (21)	<b>39.6% (40)</b>	2.23	101
Develop and maintain a Web-based storefront for management of orders and inventory.	8.7% (9)	27.9% (29)	27.9% (29)	<b>35.6% (37)</b>	2.30	104
Assign procurement personnel dedicated to the T&L Program at critical locations.	10.7% (11)	32.0% (33)	18.4% (19)	<b>38.8% (40)</b>	2.13	103
Establish a Quality Assurance (QA) and Quality Control (QC) program.	2.9% (3)	32.7% (34)	29.8% (31)	<b>34.6% (36)</b>	2.41	104
	<i>answered question</i>					<b>105</b>
	<i>skipped question</i>					<b>3</b>

**5. Strategy: Pursue offshore initiatives to optimize early detection programs.**

	Not Important	Important	Very Important	No Opinion	Rating Average	Response Count
Generate ranked lists of pests of national significance for the Cooperative Agricultural Pest Survey (CAPS) program each year.	3.8% (4)	<b>58.7% (61)</b>	35.6% (37)	1.9% (2)	2.32	104
Generate ranked lists of pests of interest and concern for offshore surveillance (i.e., Offshore Pest Information System (OPIS)) in FY 2010 and FY 2013.	5.8% (6)	<b>58.7% (61)</b>	32.7% (34)	2.9% (3)	2.28	104
Initiate and expand expatriate plant monitoring program to identify harmful organisms (e.g., insects, nematodes, and pathogens) in order to make predictions about the potential threats these organisms have to the U.S. Partner with ARS in foreign germplasm research trials to obtain some of this data.	5.8% (6)	<b>55.8% (58)</b>	36.5% (38)	1.9% (2)	2.31	104
Prioritize the need for field-testing methods for detecting pests, which can only be conducted offshore where the pests occur.	2.9% (3)	<b>59.2% (61)</b>	35.0% (36)	2.9% (3)	2.33	103
Conduct methods development on identified priority pests.	1.9% (2)	<b>56.7% (59)</b>	39.4% (41)	1.9% (2)	2.38	104
Conduct offshore surveys with cooperators. Include areas of major international shipping traffic, (e.g., the Panama Canal).	6.7% (7)	<b>53.8% (56)</b>	33.7% (35)	5.8% (6)	2.29	104
	<b><i>answered question</i></b>					<b>104</b>
	<b><i>skipped question</i></b>					<b>4</b>

6. Suggestions?		
		Response Count
		16
	<i>answered question</i>	<b>16</b>
	<i>skipped question</i>	<b>92</b>

7. Select the category that best describes your affiliation (choose only one).			
		Response Percent	Response Count
State Government		52.2%	36
Federal Government		36.2%	25
Agricultural Industry		2.9%	2
Non-governmental Organization		1.4%	1
University/Cooperative Extension		7.2%	5
Research		0.0%	0
		Other (please specify)	34
	<i>answered question</i>		<b>69</b>
	<i>skipped question</i>		<b>39</b>