

Northeastern IPM Center - Tree Fruit IPM Working Group

Ranking of Research and Extension Priorities

New England, NY, Canadian Fruit IPM Workshop, Burlington, VT - Oct. 23-24, 2012 (n = 36)

	Percent Weighted Rank
Apple Diseases	
Apple scab	29.0
Fire blight	27.9
Powdery mildew	15.5
Fruit Rots	10.3
Sooty Blotch/Flyspeck	9.7
Cankers	2.9
Root rots	2.7
Rust diseases	1.7
Storage decay	0.4
Anthracnose	0.0
Apple Direct (Fruit) Insect Pests	
Internal leps	25.0
Apple maggot	20.6
Plum curculio	17.6
Stink bugs	17.6
Obliquebanded leafroller	11.0
European apple sawfly	5.0
Spotted wing Drosophila	1.8
Tarnished plant bug	1.6
Apple Indirect Arthropod Pests / Beneficial species	
European red mite/Two spotted spider mite	25.6
Woolly apple aphid	17.6
Predator mites	14.2
San Jose Scale	11.2
Rosy apple aphid	7.1
Dogwood borer	6.7
Pear psylla	6.5
Potato/White apple leafhoppers	6.1
Leafminers	4.3
Mealybugs	0.6
Roundheaded appletree borer	0.4
Vertebrate Pests	
Deer	31.8
Voies	24.7
Birds	21.3
Turkeys	8.0
Rabbits	6.4
Goundhogs	5.2
Canada geese	1.6
Beavers	0.8

Cherry Diseases	
Brown rot	29.9
Bacterial canker	24.1
Fruit cracking	17.8
Leaf spot	10.5
Viruses	5.5
X-disease	4.7
Black knot	3.4
Powdery mildew	2.1
Phytophthora	1.8
Cherry Arthropod Pests	
Spotted wing Drosophila	29.1
Plum curculio	22.7
Cherry fruit flies	14.4
Japanese beetle	12.7
Brown marmorated stink bug	12.5
Peachtree borers	4.2
Aphids	3.6
American plum borer	0.6
Scales	0.3
Peach Diseases	
Brown rot	32.0
Bacterial spot	22.9
Peach leaf curl	15.0
Powdery mildew	7.0
Peach scab	6.7
X-disease	6.5
Perennial canker	4.7
Plum pox	2.9
Phytophthora rots	2.3
Peach Direct (Fruit) Insect Pests	
Brown marmorated & other stink bugs	26.7
Oriental fruit moth	20.3
Spotted wing Drosophila	19.1
Plum curculio	18.2
Tarnished plant bug	12.7
Obliquebanded leafroller	1.8
Western flower thrips	1.2
Peach Indirect Arthropod Pests	
Peach tree borers	35.8
Japanese beetle	22.2
Mites	16.5
Green peach aphid	9.8
American plum borer	8.5
Scales	6.3
Stink bugs	0.9

Ground Cover Management	
Perennial weed management	23.5
Use of new herbicides	19.1
Alternatives to herbicides, mulching, cultivation	19.1
Timing of control methods	15.6
Herbicide resistance	8.5
Winter injury, etc. from glyphosate	8.1
Weed biology	3.3
Nutrient competition	2.3
Best use of old herbicides	0.6
Postharvest Issues	
Post-harvest decay management	28.1
Post-harvest drench alternatives	21.3
GAPS	18.1
Bin sanitation	16.8
Scald	9.0
Packing line sanitation	6.6
Application Technology Issues	
Spray coverage vs. control	27.3
Calibration	19.2
Drift management	16.1
Canopy spray issues	11.3
Adjuvants	9.8
Fixed spraying systems	9.0
Single sided spray in high density plantings	6.0
Herbicide shields	1.3
Pest Management Education Issues	
Workshops for advisors/growers	22.7
Orchard demos	17.7
Web-based delivery methods	16.2
Pesticide applicator workshops	9.1
Smart phone apps	8.7
Consumer education	8.6
Biocontrol demos	7.1
Education for policy makers	5.2
Pesticide safety programs	3.9
Chemistry management	0.9

Regulatory Issues	
Pesticide registration procedures/restrictions	23.4
Invasive species	15.8
Clarification of labels	13.7
Right-to-farm/drift issues	13.0
Harmonization of labels	12.4
Production standards for imports/exports (MRLs)	9.3
Use of "Generally Regarded As Safe" products	4.8
Smaller package sizes	3.8
Surface water regulations	3.4
Updates on WPS	0.4
General IPM Issues	
Invasive/exotic species	25.5
Pesticide resistance	22.6
Weather/ information delivery systems	15.3
Cost reduction	13.9
Pheromone technology	7.9
Organic production	6.5
OP/carbamate replacements	5.9
Abandoned orchard impact	2.2
IFP certification	0.2
Groundwater monitoring	0.0