

Ranking of Research and Extension Priorities - Summary

Respondent Groups:

1: Northeast Tree Fruit IPM Working Group Meeting, Burlington, VT - Oct 18, 2011 (47 Respondents)

2: LOFT Fruit School, Lockport - Feb. 6, 2012 (51 Respondents)

3: LOFT Fruit School, Sodus - Feb. 7, 2012 (45 Respondents)

4: NNY Fruit School, Lake George - Feb. 13, 2012 (28 Respondents)

	Percent Ranking				Average
	1	2	3	4	
Apple Diseases					
Apple scab	20	28	28	30	27
Fire blight	18	25	29	21	23
Sooty Blotch/Flyspeck	16	8	12	13	12
Fruit Rots	14	11	9	11	11
Powdery mildew	12	11	12	13	12
Rust	8	8	5	4	6
Root rots	5	3	2	3	3
Anthracnose	3	1	1	1	2
Cankers	4	5	2	4	4
Direct (Fruit) Insect Pests					
Internal leps (Codling moth, OFM, Lesser appleworm)	18	25	27	22	23
Plum curculio	17	18	19	25	19
Obliquebanded leafroller	16	15	17	13	15
Apple maggot	12	17	17	18	16
Stink bugs	14	14	11	9	12
European apple sawfly	10	4	4	8	7
Tarnished plant bug	9	8	5	5	7
Indirect Arth Pests/ Beneficial species					
European red mite/Two spotted spider mite	20	15	17	27	20
Predator mites	10	11	10	18	12
San Jose Scale	13	15	15	7	12
Woolly apple aphid	11	17	20	8	14
Dogwood borer	4	8	5	6	6
Pear psylla	10	7	7	4	7
Potato/White apple leafhoppers	9	3	6	12	7
Leafminers	9	8	7	13	9
Rosy apple aphid	8	13	13	5	10
Mealybugs	3	3	0	1	2

Ground cover management	1	2	3	4	Average
Alternatives to herbicides, mulching, cultivation	17	10	8	14	12
Perennial weed management	14	19	19	16	17
Use of new herbicides	13	21	22	16	18
Herbicide resistance	12	13	12	10	12
Timing of control methods	10	16	16	14	14
Winter injury, etc. from glyphosate	10	7	10	10	9
Weed biology	9	4	4	3	5
Best use of old herbicides	9	6	6	9	7
Nutrient competition	5	3	3	7	5

Vertebrate Pests	1	2	3	4	Average
Voles	27	21	25	27	25
Deer	26	30	30	25	28
Birds	23	17	17	21	19
Rabbits	7	12	9	10	10
Goundhogs	6	11	9	6	8
Turkeys	4	3	5	9	5
Canada geese	4	3	2	0	2
Beavers	2	3	3	2	2

Postharvest issues	1	2	3	4	Average
Post harvest decay management	26	25	31	26	27
Bin sanitation	19	17	13	13	16
Post harvest drench alternatives	19	16	11	19	16
Packing line sanitation	15	7	11	8	10
GAPS	14	23	24	17	20
Scald	7	12	10	17	11

Application technology issues	1	2	3	4	Average
Spray coverage vs. control	19	25	26	28	25
Calibration	17	15	20	16	17
Drift management	17	14	14	14	15
Canopy spray issues	14	12	11	15	13
Adjuvants	12	9	11	11	11
Single sided spray in high density	9	11	9	8	9
Fixed spraying systems	7	6	4	2	5
Herbicide shields	5	7	6	5	6

General IPM issues	1	2	3	4	Average
Pesticide resistance	20	24	28	25	24
Invasive/exotic species	18	13	13	14	14

Weather/ information delivery systems	14	14	13	9	12
Cost reduction	10	17	17	15	15
Pheromone technology	10	10	10	12	10
Organic production	9	4	2	5	5
OP/carbamate replacements	9	10	7	11	9
IFP certification	6	0	2	2	3
Abandoned orchard impact	5	6	5	5	5
Groundwater monitoring	1	3	3	3	2

Pest management education issues	1	2	3	4	Average
Workshops for advisors/growers	18	19	21	23	20
Orchard demos	16	21	19	17	18
Web-based delivery methods	15	7	7	12	10
Pesticide applicator workshops	11	16	17	14	15
Consumer education	10	9	9	9	9
Pesticide safety programs	8	11	6	8	8
Smart phone apps	8	6	5	4	6
Education for policy makers	8	8	13	9	9
Biocontrol demos	7	3	3	4	4

Regulatory issues	1	2	3	4	Average
Pesticide registration procedures/restrictions	17	22	25	20	21
Production standards for imports/exports (MRLs)	16	14	11	11	13
Clarification of labels	15	10	9	14	12
Harmonization of labels	11	7	9	5	8
Right-to-farm/drift issues	8	17	16	19	15
Surface water regulations	8	4	7	9	7
Invasive species	8	12	9	11	10
Use of "Generally Regarded As Safe" products	7	3	5	5	5
Smaller package sizes	7	3	2	3	3
Updates on WPS	5	8	7	2	5

Cherry diseases	1	2	3	4	Average
Brown rot	20	28	29	21	24
Bacterial canker	16	18	16	13	15
Leaf spot	12	11	11	16	13
X-disease	11	2	1	0	3
Fruit cracking	11	16	17	13	14
Black knot	10	7	9	7	8
Viruses	10	6	6	13	9
Phytophthora	7	3	4	3	4
Powdery mildew	4	9	6	15	9

Peach indirect arthropod pests	1	2	3	4	Average
Japanese beetle	21	24	20	17	21
Peach tree borers	20	22	27	29	24
Mites	16	16	13	20	16
Scales	15	10	7	7	10
American plum borer	15	14	14	16	15
Green peach aphid	13	13	18	11	14

Cherry arthropod pests	1	2	3	4	Average
Spotted wing Drosophila	18	13	12	3	11
Cherry fruit flies	16	15	19	4	13
Plum curculio	16	19	20	31	21
Japanese beetle	13	17	13	19	15
Brown marmorated stink bug	11	13	11	7	10
American plum borer	9	6	7	7	7
Peachtree borers	9	5	9	14	9
aphids	9	9	5	10	8
Scales	1	4	4	6	4

Peach diseases	1	2	3	4	Average
Brown rot	20	24	30	28	25
Bacterial spot	19	13	12	20	16
Peach leaf curl	16	17	17	13	16
X-disease	12	3	3	1	5
Peach scab	10	7	5	7	7
Perennial canker	9	7	7	6	7
Phytophthora rots	7	6	6	4	6
Plum pox	4	15	12	5	9
Powdery mildew	4	8	8	16	9

Peach direct insect pests	1	2	3	4	Average
Brown marmorated & other stink bugs	21	19	21	9	18
Spotted wing Drosophila	18	13	14	7	13
Plum curculio	17	20	19	31	22
Oriental fruit moth	16	23	21	19	20
Tarnished plant bug	16	17	11	12	14
Obliquebanded leafroller	9	9	13	14	11
Western flower thrips	4	2	1	8	4

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