

Northeastern IPM Center – Northeast Tree Fruit IPM Working Group Meeting, Burlington, VT - October 19, 2010
 Ranking of Research and Extension Priorities

| [Demographic Info] | Responses | |
|---|-----------|------------------------------|
| | (percent) | (count/ weighted rank) |
| 2.) Have you ever used "Clickers"? | | |
| Yes | 53% | 21 |
| No | 48% | 19 |
| 3.) Who are you? | | |
| Non-Hispanic | 81% | 34 |
| Hispanic | 7% | 3 |
| Do not wish to say | 12% | 5 |
| 4.) What is your gender? | | |
| Male | 46% | 19 |
| Female | 44% | 18 |
| Do not wish to say | 10% | 4 |
| 5.) What is your race? | | |
| White | 76% | 32 |
| Asian | 2% | 1 |
| Black | 2% | 1 |
| Native American | 2% | 1 |
| Other | 5% | 2 |
| Do not wish to say | 12% | 5 |
| 6.) Who Are You? | | |
| Research Support | 24% | 10 |
| Area Extension Specialist | 20% | 8 |
| Faculty Res/Ext | 20% | 8 |
| Faculty Researcher | 15% | 6 |
| Consultant | 10% | 4 |
| Faculty Extension | 7% | 3 |
| County Extension | 5% | 2 |
| 7.) What is your area of focus? | | |
| IPM | 44% | 18 |
| Entomology | 22% | 9 |
| Plant Pathology | 17% | 7 |
| Horticulture | 15% | 6 |
| Regulatory | 2% | 1 |
| Weed Science | 0% | 0 |

8.) In what state or province do you work?

| | | |
|------------------------------------|-----|----|
| New York | 32% | 13 |
| Quebec | 29% | 12 |
| Vermont | 12% | 5 |
| Other (West Virginia, or >1 state) | 10% | 4 |
| New Hampshire | 7% | 3 |
| Massachusetts | 5% | 2 |
| Maine | 2% | 1 |
| Nova Scotia | 2% | 1 |
| Rhode Island | 0% | 0 |
| Ontario | 0% | 0 |

PRIORITY RANKINGS**10.) Rank in order of priority of apple diseases (choice of 5)**

| | | |
|-----------------------|-----|----|
| Apple scab | 19% | 36 |
| Fire blight | 19% | 35 |
| Fruit Rots | 16% | 30 |
| Sooty Blotch/Flyspeck | 15% | 28 |
| Powdery mildew | 15% | 28 |
| Other cankers | 8% | 15 |
| Root rots | 5% | 9 |
| Anthracnose | 4% | 7 |

11.) Rank in order of priority of other diseases (choice of 5)

| | | |
|--------------------|-----|----|
| Bacterial canker | 20% | 36 |
| Bacterial spot | 20% | 35 |
| Replant | 15% | 27 |
| European brown rot | 14% | 24 |
| X disease | 12% | 21 |
| Fabraea | 7% | 12 |
| Cherry leafspot | 6% | 11 |
| Armillaria | 6% | 11 |

12.) Rank the following – direct insect pest biology and management (choice of 5)

| | | |
|-----------------------|-----|----|
| Internal lep pests | 18% | 36 |
| Tephritid fruit flies | 17% | 34 |
| Plum curculio | 15% | 29 |
| Stink bugs | 14% | 28 |
| leafroller | 13% | 25 |
| E. apple sawfly | 10% | 20 |
| Tarnished plant bug | 7% | 14 |
| Dogwood borer/s | 5% | 9 |

14.) Rank the following – indirect insect pest biology and management (choice of 5)

| | | |
|--------------------|-----|----|
| Phytophagous mites | 16% | 32 |
| San Jose Scale | 14% | 29 |
| Predator mites | 14% | 28 |
| leafminers | 11% | 23 |
| Potato Leafhopper | 11% | 22 |
| Rosy apple aphid | 9% | 19 |
| Woolly apple aphid | 9% | 18 |
| Psylla | 8% | 17 |
| Other leafhoppers | 6% | 12 |
| mealybugs | 1% | 2 |

16.) Ground cover management (choice of 5)

| | | |
|--|-----|----|
| Alternatives to herbicides, mulch,cult | 19% | 37 |
| Use of new herbicides | 17% | 33 |
| Perennial weed management | 16% | 32 |
| Winter injury, etc. from glyphosate | 15% | 29 |
| Best use of old herbicides | 13% | 25 |
| Weed biology | 11% | 22 |
| Nutrient competition | 11% | 21 |

17.) Rank in order of priority of pests in organic production (choice of 5)

| | | |
|-----------------------------|-----|----|
| Apple maggot | 17% | 34 |
| Plum curculio | 17% | 34 |
| Internal leps | 17% | 34 |
| European apple sawfly | 13% | 25 |
| Roundheaded appletree borer | 9% | 17 |
| Leafrollers | 8% | 16 |
| Pith moth | 7% | 13 |
| Mites | 6% | 11 |
| Scale | 5% | 10 |
| Aphids | 3% | 5 |

18.) Rank in order of priority of disease mgt in organic production (choice of 5)

| | | |
|-----------------------|-----|----|
| Apple scab | 18% | 37 |
| Fire blight | 17% | 36 |
| Fruit rots | 17% | 34 |
| Sooty blotch/Flyspeck | 15% | 31 |
| Rusts | 13% | 26 |
| Powdery mildew | 11% | 23 |
| Brown rot | 9% | 19 |

20.) Rank in order of priority of vertebrate pests (choice of 3)

| | | |
|-----------|-----|----|
| Deer | 32% | 40 |
| Voies | 29% | 37 |
| Birds | 27% | 34 |
| Rabbits | 5% | 6 |
| Goundhogs | 4% | 5 |
| Turkeys | 3% | 4 |
| beavers | 0% | 0 |

22.) Postharvest issues (choice of 3)

| | | |
|----------------------------------|-----|----|
| Post harvest decay management | 29% | 35 |
| Post harvest drench alternatives | 22% | 26 |
| Bin sanitation | 17% | 20 |
| Packing line sanitation | 15% | 18 |
| GAPS | 13% | 15 |
| Scald | 5% | 6 |

24.) Application technology (choice of 5)

| | | |
|---|-----|----|
| Spray coverage in relation to pest cont | 19% | 39 |
| Drift management | 19% | 38 |
| Canopy spray issues | 18% | 37 |
| Calibration | 18% | 37 |
| Herbicide shields | 9% | 19 |
| Fixed spraying systems | 9% | 18 |
| Single sided spray in high density | 8% | 16 |

25.) General IPM issues (choice of 5)

| | | |
|----------------------------------|-----|----|
| Insecticide/fungicide resistance | 19% | 40 |
| OP and carbamate replacements | 17% | 36 |
| Weather networks | 12% | 24 |
| Pheromone technology | 11% | 23 |
| Organic production | 11% | 22 |
| Cost reduction | 10% | 20 |
| Abandoned orchard impact | 9% | 19 |
| Integrated Fruit Production | 8% | 16 |
| Groundwater monitoring | 4% | 8 |

26.) Pest Management Education (choice of 5)

| | | |
|--------------------------------|-----|----|
| Web-based delivery methods | 19% | 38 |
| Workshops for advisors/growers | 19% | 37 |
| Orchard demos | 19% | 37 |
| Consumer education | 14% | 27 |
| Pesticide applicator workshops | 13% | 26 |
| Pesticide safety programs | 9% | 18 |
| Biocontrol demos | 9% | 17 |

27.) Regulatory issues (choice of 5)

| | | |
|---|-----|----|
| Clarification of labels | 13% | 28 |
| Invasive species | 12% | 25 |
| Right to farm/spray drift issues | 12% | 25 |
| Production stds for imports | 11% | 22 |
| Harmonization of labels | 11% | 22 |
| Surface water regs | 10% | 20 |
| On-farm eval of pesticides before regi: | 9% | 19 |
| Updates on WPS | 9% | 19 |
| Abandoned orchard removal | 7% | 15 |
| Smaller package size | 7% | 14 |

28.) All abandoned orchards should be removed.

| | | |
|-------------------|-----|----|
| Strongly Agree | 24% | 10 |
| Agree | 24% | 10 |
| Disagree | 20% | 8 |
| Strongly Disagree | 22% | 9 |
| No opinion | 10% | 4 |