NORTHEAST IPM SPOTTED WING DROSOPHILA DAMAGE ASSESSMENT FOR 2012

Greg Loeb, Cathy Heidenreich, Laura McDermott and Juliet Carroll
Q1: In what county and state is your commercial berry operation located?

NEIPM SWD Survey 2012 Respondents by State
(129 total respondents)
Q2: What potential SWD host berry crops do you grow, manage, or market?
Q3: What is your total berry crop acreage?

Maximum: 80 A
Minimum: 0.03 A
Median: 3 A
Mean: 6.8 A
Q3: What portion of your total berry crop acreage was affected by SWD in 2012?

Maximum: 100% (18.6 A)

Minimum: 0%

Median: 20% (0.5 A)

Mean: 34% (1.8 A)
Q5: What berry crop losses did you experience due to SWD in 2012 (volume and value)?

<table>
<thead>
<tr>
<th>Crop</th>
<th>Growers reporting</th>
<th>Growers with losses</th>
<th>$ Losses reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junebearing strawberries</td>
<td>34</td>
<td>1</td>
<td>$500</td>
</tr>
<tr>
<td>Day neutral strawberries</td>
<td>23</td>
<td>4</td>
<td>$5,300</td>
</tr>
<tr>
<td>Summer raspberries</td>
<td>30</td>
<td>10</td>
<td>$22,760</td>
</tr>
<tr>
<td>Fall Raspberries</td>
<td>30</td>
<td>20</td>
<td>$97,422</td>
</tr>
<tr>
<td>Blackberries</td>
<td>25</td>
<td>11</td>
<td>$59,155</td>
</tr>
<tr>
<td>Highbush blueberries</td>
<td>37</td>
<td>17</td>
<td>$109,950</td>
</tr>
<tr>
<td>Hardy kiwifruit</td>
<td>1</td>
<td>1</td>
<td>$19,000</td>
</tr>
<tr>
<td><strong>Total losses</strong></td>
<td><strong>314,087</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** This summary table does not include losses that were expressed as lb, pt or qt without accompanying $ figures; only those where $ figures were included were used in these calculations...
Q6: Have your input costs (i.e. harvest labor, scouting/pest monitoring, pesticide inputs, etc.) increased due to SWD?

Yes: 65%

Maximum: $4,900

Minimum: $160

Median: $950

Mean: $1,125
Q7: What is the most important thing we need to learn about SWD?

Most Important Thing to Learn about SWD

- Biological control/management
- Life cycle/biology
- Monitoring/scouting
- Cultural management
- When to spray
- When to monitor
- Organic mgmt
- Short preharvest interval
- Chemical management
- Best ways to monitor
- Better ways to spray
- Economics
- Resistance management
- Best way to spray
- Identification
- How often to spray
- Dealing w/public perception
- # growers mentioning topic
Q8: If yes, were your efforts to manage SWD successful?

![Bar Chart](chart.png)

How Successful was Your SWD Management

- **Very Successful**: 6
- **Successful**: 19
- **Somewhat successful**: 27
- **Not successful**: 6
- **N/A**: 15
- **No response**: 27

Number of growers
Q10: Did you use a bait trap to monitor SWD in your planting?

![Bar chart showing number of growers using bait traps](chart.png)
Q11: In your opinion, was the bait trap you used effective?

Effective or somewhat effective: 78% (29/37)

Ineffective: 5% (2/37)

Uncertain: 16% (6/37)
Q12: Did you use any of the following products labeled in NYS?
Q13: Did you use any cultural practices to manage SWD?

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**Bar Chart: Growers Using Cultural Practices for SWD**

- **Used cultural practices**: 40
- **Did not use cultural practices**: 30
- **Not applicable**: 5
- **No response**: 10

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Q14: Indicate effectiveness of cultural practices.

Cultural Practices Used and Effectiveness

- Clean pick: 80 growers using, 10 finding effective
- Frequent harvest: 50 growers using, 10 finding effective
- Sanitation: 30 growers using, 20 finding effective

Legend:
- # growers using technique
- # growers finding technique effective
Q14: Indicate effectiveness of cultural practices.
Q15: Has SWD caused you to consider reducing acreage or shifting to different crops next year?
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