### Grower Ratings from SWD Workshop in Batavia, March 2015

<table>
<thead>
<tr>
<th>Rank</th>
<th>SWD Research Priorities</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Biological control</td>
<td>98.17</td>
</tr>
<tr>
<td>2</td>
<td>Know what to do - recommendations for next season</td>
<td>84.00</td>
</tr>
<tr>
<td>3</td>
<td>Optimize use of insecticides (# applications, etc.)</td>
<td>80.83</td>
</tr>
<tr>
<td>4</td>
<td>Early detection monitoring tools</td>
<td>80.48</td>
</tr>
<tr>
<td>5</td>
<td>Behavioral control (repellants, attract &amp; kill, mass trapping, push/pull, trap crops)</td>
<td>78.71</td>
</tr>
<tr>
<td>6</td>
<td>New chemicals</td>
<td>76.45</td>
</tr>
<tr>
<td>7</td>
<td>Treatment thresholds</td>
<td>74.31</td>
</tr>
<tr>
<td>8</td>
<td>Optimizing sampling and management practices</td>
<td>70.36</td>
</tr>
<tr>
<td>9</td>
<td>Cultural control</td>
<td>70.33</td>
</tr>
<tr>
<td>10</td>
<td>Insecticide resistance management</td>
<td>69.84</td>
</tr>
<tr>
<td>11</td>
<td>Resistant varieties</td>
<td>69.83</td>
</tr>
<tr>
<td>12</td>
<td>Life cycle research and DD to better time control management</td>
<td>69.29</td>
</tr>
<tr>
<td>13</td>
<td>Life cycle and ecology</td>
<td>67.50</td>
</tr>
<tr>
<td>14</td>
<td>Spray materials - season long - ovicide materials</td>
<td>67.13</td>
</tr>
<tr>
<td>15</td>
<td>SWD genetic control</td>
<td>66.50</td>
</tr>
<tr>
<td>16</td>
<td>Curative control - systemic insecticides - kill maggot</td>
<td>66.17</td>
</tr>
<tr>
<td>17</td>
<td>Variety preferences</td>
<td>66.17</td>
</tr>
<tr>
<td>18</td>
<td>Collaborations with researchers from other countries</td>
<td>65.69</td>
</tr>
<tr>
<td>19</td>
<td>Overwintering biology</td>
<td>65.48</td>
</tr>
<tr>
<td>20</td>
<td>Insecticide residue degradation and modeling (weathering properties, rainfastness)</td>
<td>65.00</td>
</tr>
<tr>
<td>21</td>
<td>Damage to different crops (other than berries)</td>
<td>64.48</td>
</tr>
<tr>
<td>22</td>
<td>Early season hosts and refugia</td>
<td>63.97</td>
</tr>
<tr>
<td>23</td>
<td>Role of ground cover management</td>
<td>63.21</td>
</tr>
<tr>
<td>24</td>
<td>Identify characteristics of firm fruit for SWD oviposition and of fruit after oviposition/time when fruit softens</td>
<td>63.04</td>
</tr>
<tr>
<td>25</td>
<td>Symbionts associated with SWD (fungi, bacteria, spirochetes, etc.)</td>
<td>62.14</td>
</tr>
<tr>
<td>26</td>
<td>Identification of host-plant volatiles</td>
<td>61.79</td>
</tr>
<tr>
<td>27</td>
<td>Landscape ecology - better understanding</td>
<td>61.03</td>
</tr>
<tr>
<td>28</td>
<td>Insecticide application technology</td>
<td>60.69</td>
</tr>
<tr>
<td>29</td>
<td>Mechanisms for post harvest treatment, ie, defect sorting etc.</td>
<td>60.52</td>
</tr>
<tr>
<td>30</td>
<td>Organic research - materials</td>
<td>60.33</td>
</tr>
<tr>
<td>31</td>
<td>Sanitation</td>
<td>60.19</td>
</tr>
<tr>
<td>32</td>
<td>Feeding stimulants - synergists - adjuvants</td>
<td>59.83</td>
</tr>
<tr>
<td>33</td>
<td>Post-harvest management - packing houses</td>
<td>59.83</td>
</tr>
<tr>
<td>34</td>
<td>Full insecticide screening</td>
<td>59.48</td>
</tr>
<tr>
<td>35</td>
<td>Host resistance mechanisms</td>
<td>59.29</td>
</tr>
<tr>
<td>36</td>
<td>Developmental models - predictions, validation</td>
<td>56.03</td>
</tr>
<tr>
<td>37</td>
<td>Mechanical control in protected culture</td>
<td>55.56</td>
</tr>
<tr>
<td>38</td>
<td>Dispersal and migration / population genetics</td>
<td>55.34</td>
</tr>
<tr>
<td>39</td>
<td>Exclusion for small growers</td>
<td>53.40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rank</th>
<th>SWD Extension Priorities</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Continue working group, networking</td>
<td>87.96</td>
</tr>
<tr>
<td>2</td>
<td>Bring educational resources together for grower use</td>
<td>86.31</td>
</tr>
<tr>
<td>3</td>
<td>Education on monitoring, fields/berries, SWD identification</td>
<td>84.28</td>
</tr>
<tr>
<td>4</td>
<td>Develop recommendations for 2015 as part of an IPM program</td>
<td>82.00</td>
</tr>
<tr>
<td>5</td>
<td>Preparation for next year</td>
<td>80.21</td>
</tr>
<tr>
<td>6</td>
<td>IPM for invasive species, as well as detection</td>
<td>76.67</td>
</tr>
<tr>
<td>7</td>
<td>Grower awareness of problem and post harvest treatment</td>
<td>76.11</td>
</tr>
<tr>
<td>8</td>
<td>Train consultants</td>
<td>73.62</td>
</tr>
<tr>
<td>9</td>
<td>Grower education of full impact of problem and research efforts</td>
<td>70.59</td>
</tr>
</tbody>
</table>
Allow for unique properties of each insecticide in recommendations and management programs | 67.12
---|---
Establish a clearing house for information - international; distill in user friendly form for SWD IPM | 66.26
Call for summit: ext, research, govt, regulatory, policy, APHIS (national statement), industry (grower, chem) | 64.80
Distinguish between large and small acreage grower needs | 63.33
Info on sprayer technology | 61.40
Training on invasive species | 58.33
Overhead chemigation information | 48.15
Education of master gardeners | 47.12
Look at international education efforts | 45.28

<table>
<thead>
<tr>
<th>Rank</th>
<th>SWD Regulatory Priorities</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New chemicals</td>
<td>87.41</td>
</tr>
<tr>
<td>2</td>
<td>National sec 18 system and 2ee, expand 'me too'</td>
<td>75.00</td>
</tr>
<tr>
<td>3</td>
<td>Est. a working group - industry, growers, extension, for economic impact</td>
<td>66.88</td>
</tr>
<tr>
<td>4</td>
<td>As short as feasible PHI across crops</td>
<td>66.04</td>
</tr>
<tr>
<td>5</td>
<td>OMRI clearance of materials</td>
<td>62.61</td>
</tr>
<tr>
<td>6</td>
<td>Est. MRL's for export markets</td>
<td>57.73</td>
</tr>
<tr>
<td>7</td>
<td>Labels for chemigation</td>
<td>56.04</td>
</tr>
<tr>
<td>8</td>
<td>Pesticide container size in small amounts</td>
<td>55.68</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rank</th>
<th>SWD Education Priorities</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Educating policy makers/legislators/regulators on invasives/impacts</td>
<td>81.07</td>
</tr>
<tr>
<td>2</td>
<td>Info. for growers to respond to public on SWD or media [US Highbush council]</td>
<td>77.07</td>
</tr>
<tr>
<td>3</td>
<td>Consumer education</td>
<td>74.64</td>
</tr>
<tr>
<td>4</td>
<td>Company education on labeling and crop uses</td>
<td>68.65</td>
</tr>
<tr>
<td>5</td>
<td>Engaging/joining IPM voice</td>
<td>65.32</td>
</tr>
<tr>
<td>6</td>
<td>Media kit [use BMSB as example]</td>
<td>63.58</td>
</tr>
</tbody>
</table>