## Update list of insecticides labeled for Florida avocado production

1-10-14

Jeff Wasielewski, Tropical Fruit Crops Agent
Miami-Dade County Cooperative Extension
Homestead, FL

Jonathan Crane, Tropical Fruit Crop Specialist
UF/IFAS, TREC
Homestead, FL

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Brand</th>
<th>Pest(s) controlled</th>
</tr>
</thead>
<tbody>
<tr>
<td>abamectin</td>
<td>Agri-Mek 0.15EC, Epi-Mek 0.15, Reaper</td>
<td>thrips</td>
</tr>
<tr>
<td>azadirachtin</td>
<td>Align, Azatin</td>
<td>general insecticide</td>
</tr>
<tr>
<td><em>Bacillus thuringiensis</em></td>
<td>Dipel, Biobit, others</td>
<td>lepidoptera</td>
</tr>
<tr>
<td><em>Beauveria bassiana</em></td>
<td>Mycotrol</td>
<td>lace bug</td>
</tr>
<tr>
<td>bifenazate</td>
<td>Acramite-50WS, Floramite¹</td>
<td>mites</td>
</tr>
<tr>
<td>bifenthrin</td>
<td>Talstar¹</td>
<td>various insects, mites</td>
</tr>
<tr>
<td>buprofezin</td>
<td>Applaud (insect growth regulator)</td>
<td>scale, whitefly, mealybugs, leafhoppers, plant hoppers</td>
</tr>
<tr>
<td>chlorantranilprole</td>
<td>Altacor</td>
<td>leaf rollers, leaf miners</td>
</tr>
<tr>
<td>cyfluthrin + imidacloprid</td>
<td>Discus N/G¹</td>
<td>Various mites and lepidoptera</td>
</tr>
<tr>
<td>etoxazole</td>
<td>Zeal</td>
<td>avocado brown mite, <em>Persea</em> mite, two-spotted mite</td>
</tr>
<tr>
<td>fenpropathrin</td>
<td>Danitol, Tame¹</td>
<td>ambrosia beetles, thrips, mirids, <em>Persea</em> mite, mites</td>
</tr>
<tr>
<td>hydramethylnon</td>
<td>Amdro²</td>
<td>ants</td>
</tr>
<tr>
<td>hexythiazox</td>
<td>Savey¹</td>
<td>various insects, mites</td>
</tr>
<tr>
<td>imidacloprid</td>
<td>Admire Pro, Provado</td>
<td>thrips, avocado lacebug, leafhoppers, whiteflies</td>
</tr>
<tr>
<td>kaolin (clay)</td>
<td>Surround</td>
<td>barrier and irritant to various insects</td>
</tr>
<tr>
<td>malathion</td>
<td>Malathion</td>
<td>thrips, scales, lepidoptera</td>
</tr>
<tr>
<td>methomyl</td>
<td>Lannate</td>
<td>lepidoptera</td>
</tr>
<tr>
<td>methoxyfenozide</td>
<td>Intrepid 2F</td>
<td>lepidoptera</td>
</tr>
<tr>
<td>permethrin</td>
<td>Permethrin, Pounce, Ambush</td>
<td>thrips, lepidoptera, lace bug, mirids, brown soft scale, leaf hopper, mealybug, avocado lacebug</td>
</tr>
<tr>
<td>potassium salts of fatty acids</td>
<td>M-Pede, Safer Soap</td>
<td>aphids, lace bug, plant bugs, mites, thrips, scales</td>
</tr>
<tr>
<td>pymetrozine</td>
<td>Endeavor¹</td>
<td>whiteflies, aphids</td>
</tr>
</tbody>
</table>

- over -
<table>
<thead>
<tr>
<th>Pyrethrins</th>
<th>PyGANic Crop Protection</th>
<th>aphids, lepidoptera, thrips, others</th>
</tr>
</thead>
<tbody>
<tr>
<td>pyriproxyfen</td>
<td>Esteem 8.6EC</td>
<td>scales (insect growth regulator)</td>
</tr>
<tr>
<td>spinosad</td>
<td>SpinTor 2SC</td>
<td>lepidoptera</td>
</tr>
<tr>
<td>spirodiclofen</td>
<td>Envidor 2SC</td>
<td>mites</td>
</tr>
<tr>
<td>sulfur</td>
<td>Sulfur 6L, Sulfur Flowable, Thiolux</td>
<td>mites</td>
</tr>
<tr>
<td>thiamethoxam</td>
<td>Actara</td>
<td>Aphids, leafhoppers, mealybugs, thrips, whiteflies</td>
</tr>
<tr>
<td>various refined horticultural oils</td>
<td>Sunspray, citrus spray oil, crop oil, FC 435-66, FC 455-88, others</td>
<td>various aphids, mites, scales</td>
</tr>
</tbody>
</table>

1, non-bearing
2, do not apply directly around the tree; apply only during non-fruiting periods