**Update list of insecticides labeled for Florida avocado production**

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| **Chemical** | **Brand** | **Pest(s) controlled** |
| abamectin | Agri-Mek 0.15EC, Epi-Mek 0.15, Reaper | thrips |
| azadirachtin  | Align, Azatin | general insecticide |
| *Bacillus thuringiensis*  | Dipel, Biobit, others | Lepidoptera |
| *Beauveria bassiana*  | Mycotrol | lace bug |
| bifenazate | Acramite-50WS, Floramite1 | Mites |
| bifenthrin | Talstar1 | various insects, mites |
| buprofezin | Applaud (insect growth regulator) | scale, whitefly, mealybugs, leafhoppers, plant hoppers |
| chlorantranilprole  | Altacor | leaf rollers, leaf miners |
| cyfluthrin + imidacloprid | Discus N/G1 | Various mites and lepidoptera |
| etoxazole | Zeal | avocado brown mite, *Persea* mite, two-spotted mite |
| fenpropathrin | Danitol, Tame1 | ambrosia beetles, thrips, mirids, *Persea* mite, mites |
| hydramethylnon | Amdro2 | Ants |
| hexythiazox | Savey1 | various insects, mites |
| imidacloprid | Admire Pro, Provado | thrips, avocado lacebug, leafhoppers, whiteflies |
| kaolin (clay)  | Surround | barrier and irritant to variousinsects |
| malathion | Malathion | thrips, scales, lepidoptera |
| methomyl | Lannate | Lepidoptera |
| methoxyfenozide  | Intrepid 2F | Lepidoptera |
| permethrin | Permethrin, Pounce, Ambush | thrips, lepidoptera, lace bug,mirids, brown soft scale, leafhopper, mealybug, avocado lacebug |
| potassium salts of fatty acids  | M-Pede, Safer Soap | aphids, lace bug, plant bugs,mites, thrips, scales |
| pymetrozine | Endeavor1 | whiteflies, aphids |
| * over -
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| Pyrethrins | PyGanic Crop Protection | aphids, lepidoptera, thrips, others |
| pyriproxyfen | Esteem 8.6EC | scales (insect growth regulator) |
| spinosad | SpinTor 2SC | Lepidoptera |
| spirodiclofen  | Envidor 2SC | mites  |
| sulfur | Sulfur 6L, Sulfur Flowable,Thiolux | Mites |
| thiamethoxam | Actara | Aphids, leafhoppers, mealybugs, thrips, whiteflies |
| various refined horticultural oils  | Sunspray, citrus spray oil, crop oil, FC 435-66, FC 455-88,others | various aphids, mites, scales |
| 1, non-bearing  |
| 2, do not apply directly around the tree; apply only during non-fruiting periods |

(c://ext/handouts/2014/new avocado chemicals J Wasielweski.doc)