

2018-2019 FLORIDA CITRUS PRODUCTION GUIDE:

Pesticides Registered for Use on Florida Citrus¹

L.M. Diepenbrock, M.M. Dewdney, T. Vashisth and S.H. Futch²

The following are lists of products which are registered for use on citrus regardless of whether or not they are recommended for use. In cases where there are many similar products such as copper fungicides, sulfurs, or petroleum oils, separate tables have been set up for each. All other products are listed in Table 4 and grouped according to use: 1) insecticides, acaricides, and nematicides, 2) fungicides, 3) herbicides, and 4) other products such as plant growth regulators and fumigants.

READ THE LABEL.

TABLE 1. Copper fungicides registered for citrus and the diseases for which they have been evaluated

| | | | EPA | Evaluated for: ² | | | | | | |
|-------------------------------|---|---------------------|---------------|-----------------------------|-------------|------------|------|--------|--|--|
| Trade Name | Common Name | Cu (%) ¹ | Reg. No. | Melanose | Greasy spot | Alternaria | Scab | Canker | | |
| Americop 40 DF | Copper hydroxide | 40 | 35484-4 | Х | Х | ND | ND | Х | | |
| Badge SC | copper oxychloride + copper hydroxide | 20 | 80289-3 | Х | Х | Х | ND | Х | | |
| Badge X ₂ | copper oxychloride + copper hydroxide | 28.2 | 80289-12 | ND | ND | ND | ND | Х | | |
| Basic Copper 50W HB | basic copper sulfate | 50 | 42750-168 | ND | ND | ND | ND | ND | | |
| Basic Copper 53 | basic copper sulfate | 53 | 45002-8 | ND | ND | ND | ND | ND | | |
| Basic Copper Sulfate | basic copper sulfate | 53 | 19713-72 | Х | ND | ND | ND | ND | | |
| BCS Copper fungicide | basic copper sulfate | 21.94 | 35253-5 | ND | ND | ND | ND | ND | | |
| Champ DP | copper hydroxide | 37.5 | 55146-57 | Х | Х | X | Х | Х | | |
| Champ Formula 2 Flowable | copper hydroxide | 24.4 | 55146-64 | Х | Х | ND | Χ | ND | | |
| Champ WG | copper hydroxide | 50 | 55146-1 | Х | ND | ND | ND | Х | | |
| ChamplON++ | copper hydroxide | 30 | 55146-115 | ND | ND | ND | ND | ND | | |
| COC DF | copper oxychloride | 50 | 45002-17 | ND | ND | ND | ND | ND | | |
| COC WP | copper oxychloride | 50 | 45002-17 | ND | ND | ND | ND | Х | | |
| C-O-C-S WDG | copper oxychloride + basic copper sulfate | 51.25 | 34704-326 | ND | ND | ND | ND | ND | | |
| Copper-Count-N | copper ammonium complex | 8 | 10465-3 | Х | ND | Х | ND | ND | | |
| Copper Sulfate Crystals | copper sulfate pentahydrate | 25.0 | 56576-1 | ND | ND | ND | ND | ND | | |
| Triangle Brand | copper sulfate pentahydrate | 25.2 | 81882-1 | ND | ND | ND | ND | ND | | |
| Copper Sulfate Instant Powder | | | | | | | | | | |
| Cueva | copper octanoate | 1.8 | 67702-2-70051 | ND | ND | ND | ND | ND | | |
| Cuprofix Ultra 40 Disperss | basic copper sulfate | 40 | 70506-201 | Х | Х | ND | ND | X | | |
| Cuproxat Flowable | basic copper sulfate | 15.2 | 35935-3 | ND | ND | ND | ND | ND | | |
| Eradicator | copper sulfate pentahydrate | 5 | 66675-4 | ND | ND | ND | ND | ND | | |
| Kentan DF | copper hydroxide | 40 | 80289-2 | Х | ND | X | ND | Х | | |

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The use of trade names in this publication is solely for the purpose of providing specific information. It is not a guarantee or warranty of the products named, and does not signify that they are approved to the exclusion of others of suitable composition.

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TABLE 1. Copper fungicides registered for citrus and the diseases for which they have been evaluated

| | | | EPA | Evaluated for: ² | | | | | | |
|--------------------------------|----------------------------------|---------------------|----------------|-----------------------------|-------------|------------|------|--------|--|--|
| Trade Name | Common Name | Cu (%) ¹ | Reg. No. | Melanose | Greasy spot | Alternaria | Scab | Canker | | |
| CONTINUED TABLE | | | | | | | | | | |
| Kocide 2000 | copper hydroxide | 35 | 91411-1-70051 | Х | X | Х | Χ | Х | | |
| Kocide 3000 | copper hydroxide | 30 | 91411-2-70051 | Х | Х | Х | Χ | Х | | |
| KOP-Hydroxide | copper hydroxide | 24.4 | 19713-301 | ND | ND | ND | ND | ND | | |
| KOP-Hydroxide 50W | copper hydroxide | 50 | 19713-321 | ND | ND | ND | ND | ND | | |
| Magna-Bon CS 2005 | copper sulfate pentahydrate | 5.0 | 66675-3 | ND | ND | ND | ND | Х | | |
| MasterCop | copper sulfate pentahydrate | 5.4 | 55272-18-66222 | ND | ND | ND | ND | ND | | |
| Nordox | cuprous oxide | 50.1 | 48142-1 | ND | ND | ND | ND | Х | | |
| Nordox 30/30 WG | cuprous oxide | 30 | 48142-7 | ND | ND | ND | ND | ND | | |
| Nordox 75 WG | cuprous oxide | 75 | 48142-4 | ND | ND | ND | ND | Х | | |
| Nu-Cop 3L | copper hydroxide | 24.4 | 42750-75 | ND | ND | ND | ND | ND | | |
| Nu-Cop HB | cupric hydroxide | 50 | 42750-132 | Х | X | ND | ND | ND | | |
| Nu-Cop 50 DF | copper hydroxide | 50 | 45002-4 | ND | ND | Х | ND | ND | | |
| Nu-Cop 50 WP | copper hydroxide | 50 | 45002-7 | ND | ND | ND | ND | Х | | |
| Phyton 27 AG ³ | copper sulfate pentahydrate | 5.4 | 49538-5 | ND | ND | ND | ND | ND | | |
| Quimag Copper Sulfate Crystals | copper sulfate pentahydrate | 25.2 | 73385-1 | ND | ND | ND | ND | ND | | |
| Stretch | copper hydroxide | 2.16 | 68292-3 | ND | ND | ND | ND | ND | | |
| Top-Cop with Sulfur | tribasic copper sulfate + sulfur | 4.4 | 57538-6 | ND | ND | ND | ND | ND | | |

¹ Percentage of metallic copper.

TABLE 2. Sulfur products registered for use on citrus and spectrum of activity against pest mites on citrus in Florida

| Trade Name and | | | | Registered ¹ | for Use on | Efficacy ² | | |
|-------------------------------|---------------------|----------|----------------|-------------------------|------------|-----------------------|------------|--|
| Formulation | Common Name | % Sulfur | EPA Reg. No. | Citrus Rust Mite | Broad Mite | Citrus Rust Mite | Broad Mite | |
| Citrusperse Sulfur | sulfur | 90% | 5905-350 | Х | _ | ID | ID | |
| Cosavet DF | sulfur | 80% | 70905-1 | X | _ | ID | ID | |
| Dusting Sulfur | sulfur | 98% | 34704-735 | X | - | ID | ID | |
| Kolodust | sulfur | 84% | 34704-733 | X | - | ID | ID | |
| Kumulus DF | sulfur | 80% | 51036-352 | Х | Х | + | + | |
| Liquid Sulfur Six | sulfur | 52% | 5905-437 | Х | - | ID | ID | |
| Micro Sulf | (micronized) sulfur | 80% | 55146-75 | Х | Х | ID | ID | |
| Micronized Gold | (micronized) sulfur | 90% | 19713-238 | Х | Х | + | + | |
| Microthiol Disperss | (micronized) sulfur | 80% | 4581-373 | Х | Х | + | + | |
| Microthiol 80 DF | (micronized) sulfur | 80% | 4581-373 | Х | Х | + | + | |
| Sulfur 6 F | sulfur | 52% | 51036-16-34704 | Х | Х | + | ID | |
| Sulfur 6 L | sulfur | 52% | 51036-16-9779 | Х | Х | + | ID | |
| Sulfur Flowable 6 | sulfur | 52% | 51306-16-34704 | X | Х | + | ID | |
| Sulfur 6 L | sulfur | 52% | 51306-16 | X | Х | + | ID | |
| Sulfur 6 FL | sulfur | 52% | 34704-70 | X | _ | ID | ID | |
| Sulfur 90 W | (micronized) sulfur | 90% | 19713-238 | X | Х | ID | ID | |
| Super Six | sulfur | 52% | 65343-1 | X | _ | ID | ID | |
| Thiolux | (micronized) sulfur | 80% | 100-835 | X | _ | ID | ID | |
| Thiolux Jet | (micronized) sulfur | 80% | 100-1138 | X | _ | ID | ID | |
| Thiosperse 80% (CSC) | (micronized) sulfur | 80% | 55429-4 | Х | _ | ID | ID | |
| Yellow Jacket Wettable Sulfur | sulfur | 90% | 6325-13 | X | _ | ID | ID | |

¹ X indicates product registered for control of citrus rust or broad mites; – = not registered.

² X - Products indicated have been evaluated and have provided adequate control of the disease in question; ND - No data. Most of the products would be expected to provide adequate disease control.

³ Do not apply with oil because of phytotoxicity risk.

² + indicates product is effective; ID indicates incomplete data available; sulfurs are generally effective for false spider mites, ineffective for spider mites, and efficacy data on pink citrus rust mites are incomplete.

TABLE 3. Spray oils registered for use on Florida citrus

| | | Mid Point | | Efficacy ² | | | | |
|-------------------|-------------------------|--------------------|----------------------|-----------------------|------------------|--|--|--|
| Company | Trade Name | Boiling Range | EPA No. ¹ | Greasy Spot | Citrus Rust Mite | | | |
| Brandt | TresOil | 435°F | 48813-1 | ID | ID | | | |
| BVA | Spray 10 | 412°F | 55206-1 | ID | ID | | | |
| BVA | Spray 13 | 435°F | 55206-2 | + | + | | | |
| BVA | Spray 15 | 455°F | 55206-3 | + | + | | | |
| BVA | Spray 22 | 471°F³ | 55206-4 | ID | ID | | | |
| Calumet | Orchex 796 | 435°F | 75652-1 | + | + | | | |
| Diamond R | 435 Soluble Oil | 435°F | 35276-1 | ID | ID | | | |
| Drexel | 435 Oil 98.8 | 435°F | 19713-394 | ID | ID | | | |
| Drexel | 455 Oil 98.8 | 455°F | 19713-396 | ID | ID | | | |
| Helena Chemical | Sol-Oil 97 | 435°F | 5905-294 | ID | + | | | |
| Helena Chemical | Mite-E-Oil | 435°F | 5905-302 | + | + | | | |
| Loveland Products | BioCover UL | 415°F | 34704-806 | ID | + | | | |
| Loveland Products | BioCover MLT | 435°F | 34704-805 | + | + | | | |
| Loveland Products | BioCover LS | 455°F | 34704-808 | + | + | | | |
| Loveland Products | BioCover SS | 470°F ³ | 34704-809 | + | + | | | |
| Loveland Products | Glacial Spray Fluid | 435°F | 34704-849 | ID | ID | | | |
| Petro-Canada | PureSpray Green | 435°F | 69526-9 | ID | ID | | | |
| Petro-Canada | PureSpray spray oil 10E | 408°F | 69526-5 | ID | ID | | | |

¹ Most oils are registered for use against citrus rust mite, greasy spot, spider mites, scale insects, whitefly, and other homopterans, and for removal of sooty mold.

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | | EPCRA ³ | A^3 | |
|--|---|--|--|---|-------------------------------------|------------|-----------|----------------------|--------|--|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ | (lb ai) ⁴ | RQ | |
| Generic Name | (IRAC MOA)9 | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai | |
| Abacus | Abamectin (6) | 81578-1 | 0.02 | 7 | NO | 12 | | 10,000 | | |
| | | 83100-4-83979 | | | | | | | | |
| | | DE. ⁷ Toxic to fish, mammals a 0.047 lb ai/A) of any abamecti | | | to honeybees. ⁶ Limit of | 3 applic | ations of | f abamectin | per | |
| Abamectin E-AG 0.15 EC | Abamectin (6) | 79676-58 | 0.02 | 7 | NO | 12 | | 10,000 | | |
| growing season. Do not ap | oply more than 40 fl oz/A (0 | DE. ⁷ Toxic to fish, mammals a 0.047 lb ai/A) of any abamecti | n product in a growing | | | | ations o | | per | |
| ABBA 0.15EC | Abamectin (6) | 72167-43-73220 | 0.02 | 7 | NO | 12 | | 10,000 | | |
| | | 72167-43-66222 | | | | | | | | |
| | | 66222-139 | | | | | | | | |
| | | DE. ⁷ Toxic to fish, mammals a | | | to honeybees.6 Limit of | f 3 applic | ations of | f abamectin | per | |
| growing season. Do not ap | oply more than 40 fl oz/A (0 | DE. ⁷ Toxic to fish, mammals a 0.047 lb ai/A) of any abamecti noe year after treatment. Min | n product in a growing | season. | | | | | | |
| growing season. Do not ap | oply more than 40 fl oz/A (0 | 0.047 lb ai/A) of any abamecti | n product in a growing | season. | | | | | | |
| growing season. Do not ap Acephate products Other Use Requirements | oply more than 40 fl oz/A (0 :: Do not harvest citrus for | 0.047 lb ai/A) of any abamecti one year after treatment. Min | n product in a growing | season. erval for up t | o 0.5 lb ai/A and 7 days | for rate | s greater | than 0.5 lb | | |
| growing season. Do not ap Acephate products Other Use Requirements Acephate 75 | oply more than 40 fl oz/A (0 :: Do not harvest citrus for | 0.047 lb ai/A) of any abamecti one year after treatment. Min 70506-1-55467 | n product in a growing | season. erval for up t | o 0.5 lb ai/A and 7 days | for rate | s greater | than 0.5 lb | | |
| growing season. Do not ap Acephate products Other Use Requirements Acephate 75 | oply more than 40 fl oz/A (0 :: Do not harvest citrus for | one year after treatment. Min 70506-1 | n product in a growing | season. erval for up t | o 0.5 lb ai/A and 7 days | for rate | s greater | than 0.5 lb | | |
| growing season. Do not an Acephate products Other Use Requirements Acephate 75 Acephate 75 WSP Acephate 90 SP | oply more than 40 fl oz/A (0 :: Do not harvest citrus for | 0.047 lb ai/A) of any abamection one year after treatment. Min 70506-1-55467 70506-1 51036-238 | n product in a growing | season. erval for up t | o 0.5 lb ai/A and 7 days | for rate | s greater | than 0.5 lb | | |
| growing season. Do not an Acephate products Other Use Requirements Acephate 75 Acephate 75 WSP Acephate 90 SP Acephate 90 WSP | oply more than 40 fl oz/A (0 :: Do not harvest citrus for | 0.047 lb ai/A) of any abamection one year after treatment. Min 70506-1-55467 70506-1 51036-238 34704-862 | n product in a growing | season. erval for up t | o 0.5 lb ai/A and 7 days | for rate | s greater | than 0.5 lb | | |
| growing season. Do not an Acephate products Other Use Requirements Acephate 75 Acephate 75 WSP Acephate 90 SP Acephate 90 WSP Acephate 97 Acephate 97 Acephate 97 UP | poply more than 40 fl oz/A (0 :: Do not harvest citrus for Acephate (1B) | 0.047 lb ai/A) of any abamection one year after treatment. Min 70506-1-55467 70506-1 51036-238 34704-862 70506-8-55467 | in product in a growing imum 3 days spray inte | season. rival for up t 12 months | o 0.5 lb ai/A and 7 days | for rates | s greater | than 0.5 lb | ai/A. | |
| growing season. Do not an Acephate products Other Use Requirements Acephate 75 Acephate 75 WSP Acephate 90 SP Acephate 90 WSP Acephate 97 Acephate 97 Acephate 97 UP | poply more than 40 fl oz/A (0 :: Do not harvest citrus for Acephate (1B) | 0.047 lb ai/A) of any abamection one year after treatment. Min 70506-1-55467 70506-1 51036-238 34704-862 70506-8-55467 70506-8 | in product in a growing imum 3 days spray inte | season. rival for up t 12 months | o 0.5 lb ai/A and 7 days | for rates | s greater | than 0.5 lb | ai/A. | |
| growing season. Do not an Acephate products Other Use Requirements Acephate 75 Acephate 75 WSP Acephate 90 SP Acephate 90 WSP Acephate 97 Acephate 97 Acephate 97 UP Other Use Requirements | poply more than 40 fl oz/A (0 :: Do not harvest citrus for Acephate (1B) :: Do not harvest citrus for Bifenazate (UN) | 0.047 lb ai/A) of any abamection one year after treatment. Min 70506-1 51036-238 34704-862 70506-8 70506-8 one year after treatment. Min 400-503 | in product in a growing imum 3 days spray inte Nonbearing imum 3 days spray inte | season. 12 months rival for up t 12 months | o 0.5 lb ai/A and 7 days NO | for rates | s greater | than 0.5 lb | ai/A. | |

not apply during pre-bloom or during bloom when bees are actively foraging.

² + = effective; - = not effective; ID = incomplete data; Orchex 796 has been found to control pink citrus rust mite without harm to beneficial mites; others have not been tested.

^{3 470} weight oils have not been evaluated for their effects on fruit coloring or ripening and are more likely to be phytotoxic than lighter oils.

 TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | | EPCRA ³ | |
|--|---|---|--|----------------------------|---|-----------|-------------|----------------------|----------------------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | _ | (lb ai) ⁴ | RQ |
| Generic Name | (IRAC MOA)9 | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai) ⁵ |
| CONTINUED TABLE | | | | | | | | | ı |
| Admire 2 F | Imidacloprid (4A) | 264-758 | 0.7 | 0 | NO | 12 | | | |
| (see also Provado) | | | | | | | | | |
| Other Use Requirements: | Highly toxic to honeybees.6 T | · · · · · · · · · · · · · · · · · · · | | · ` ` | | | | | |
| Admire Pro | Imidacloprid (4A) | 00264-00827 | 0.7 | 0 | NO | 12 | | | |
| | Highly toxic to honeybees. ⁶ T en applied as a soil drench. Se | ee SLN label for specific de | | | ason (0.5 lb ai/A/yr). SL | N FL-12 | .0008, per | mits up to | 1.0 lb ai |
| Advise 2 FL | Imidacloprid (4A) | 1381-205 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements: | Highly toxic to honeybees.6 T | · · · · · · · · · · · · · · · · · · · | | · ` ` | • . | | | | |
| Agri-Flex miticide/insec- ticide | Abamectin (6) Thiamethoxam (4A) | 100-1350 | 0.02 0.4 | 7 | NO | 12 | | 10,000 | |
| actively foraging. To avoid i foliar applied abamectin pro | RESTRICTED USE PESTIC llegal residues, Agri-Flex must duct or more than 0.172 lb ain tin containing product per grow | t be mixed with a minimum 'A of any foliar applied thian | of 0.20% oil. Do not nethoxam product pe | apply more er growing s | than 17 fl oz/A of Agri-leason. Do not make m | lex or r | more than | 0.047 lb ai | A of any |
| Agri-Mek 0.15 EC | Abamectin (6) | 100-898 | 0.02 | 7 | NO | 12 | T | 10,000 | |
| | RESTRICTED PESTICIDE. ⁷ ply more than 40 fl oz/A (0.047) | | | | to honeybees.6 Limit o | f 3 appl | ications o | f abamectir | n per |
| Agri-mek SC | Abamectin (6) | 100-1351 | 0.02 | 7 | NO | 12 | | 10,000 | |
| | RESTRICTED PESTICIDE. ⁷ ply more than 8.5 fl oz/A of Ag | | | | | | application | ns of abame | ectin per |
| Alias 2F | Imidacloprid (4A) | 00264-00758-66222 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements: | Highly toxic to honeybees.6 To | oxic to aquatic invertebrates | s. Limit to 32 oz per a | acre per sea | ason (0.5 lb ai/A/yr). | | | | |
| Altacor | Chlorantraniliprole (28) | 352-730 | 1.4 | 1 | NO | 4 | | | |
| Other Use Requirements: acre per crop season. | Do not make more than 3 app | olications per season. Do n | ot apply more than 9 | oz of Altaco | or or 0.2 lbs. ai of Chlora | antranili | prole cont | taining prod | duct per |
| Apta | Tolfenpyrad (21A) | 71711-36 | 1.5 | 14 | NO | 12 | | | |
| Other Use Requirements: | Do not apply more than 27.0 | fl oz per acre per growing s | season. Do not make | more than | 2 applications per year. | Do not | apply by | air. | |
| Applaud 70DF IGR | Buprofezin (16) | 71711-21 | 2 | 3 | NO | 12 | | | |
| Other Use Requirements: | Limit to 2 applications per year | ar. | | | | | | | |
| Assail 30SG | Acetamiprid (4A) | 08033-00036-82695 8033-36-70506 | 0.5 | 7 | NO | 12 | | | |
| Other Use Requirements: | Limit to 5 applications per year | ar. Limit to 0.55 lb ai or 29.3 | oz product per acre | per crop. | | | | | |
| Assail 70WP | Acetamiprid (4A) | 8033-23-4581 | 0.5 | 7 | NO | 12 | | | |
| Other Use Requirements: | Limit to 5 applications per year | ar. Limit to 0.55 lb ai or 12.5 | oz of product per ac | cre per crop | | | | | |
| Atrapa | Malathion (1B) | (ULV) 1812-407 (5E) 1812-406 (8E) 1812-408 67760-34-1381 | 8.0 | 7 | NO | 12 | | 10,000 | 100 |
| (see also Fyfanon and Malathion) | | | | | | | | | |
| | Toxic to aquatic invertebrates ained from adjacent landowne | | | | Undiluted droplets will o | damage | vehicle fi | nishes. Unl | ess writ- |
| Award | Fenoxycarb (7B) | 100-722 | Nonbearing | 12 months | NO | 12 | | 10,000 | |
| · · · · · · · · · · · · · · · · · · · | Limit to 2 applications per year | | | | | | | | |
| Aza-Direct | Azadirachtin (UN) | 71908-1-10163 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirements: | None | | | | | | | | |
| Azatin XL | Azadirachtin (UN) | 70051-27-59807 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirements: | None | | | | | | | | |
| Azatrol EC | Azadirachtin (UN) | 2217-836 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirements: | None | I | | | | | | | |
| Bacillus thuringiensis | | | Exempt | 0 | NO | 4 | - | | |
| Agree | B.t. aizawai Strain GC-91 (11) | 70051-47 | | | | | | | |
| Biobit HP | B.t. kurstaki Strain ABTS- 351 | 73049-54 | | | | | | | |
| Condor | B.t. kurstaki Strain EG2348 | 70051-78 | | | | | | | |
| _ | B.t. kurstaki Strain EG7841 | 70051-86 | | | | | | | |
| Crymax | Ditt Marotanti Ottanii Editori | | | | | | | | |
| Deliver Crymax | B.t. kurstaki | 70051-69 | | | | | | | |

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | | EPCRA3 | |
|---|--|--|--|--|--|---|---------------------------------|-----------------------------|---------------|
| Trade Name or Generic Name | Common Name (IRAC MOA) ⁹ | EPA Registration Number ¹ | Tolerance Fruit (ppm) | Days to Harvest | Field Posting Required ² | REI Hr | TPQ 1 | (lb ai)⁴ 2 | RQ (lb ai) |
| CONTINUED TABLE | | | | | | | | | |
| Javelin WG | B.t. kurstaki | 70051-66 | | | | | | | |
| Lepinox WDG | B.t. kurstaki Strain EG7826 | 70051-89 | | | | | | | |
| XenTari DF | B.t. aizawai Strain ABTS- 1857 | 73049-40 | | | | | | | |
| Other Use Requirements | : None | | | | | | | | |
| Baythroid XL | | | | | | | | | |
| Baythroid | Beta-cyfluthrin (3A) | 264-840 | 0.2 | 0 | NO | 12 | | | |
| Other Use Requirements | : RESTRICTED PESTICIDE.7 | Toxic to aquatic invertebra | tes; highly toxic to ho | neybees.6 D | o not apply directly to v | vater. | | | |
| Belay | Clothianidin (4A) | 5939-15 (WDG) 59639-152 | 0.07 | 365 | NO | 12 | | | |
| Belay 50 WDG | | | | | | | | | |
| Other Use Requirements oly directly to water. | : Do not harvest citrus for one | year after treatment. Toxic | to aquatic invertebra | tes; highly to | oxic to honeybees up to | 5 days | post appli | cation.6 Do | not ap- |
| Bifenthrin EC Bifenthrin 2 EC AG | Bifenthrin (3B) | 70506-57 66330-336 | 0.05 | 1 | NO | 12 | | 10,000 | |
| Other Use Requirements | : RESTRICTED PESTICIDE.7 | Use as a soil barrier applic | cation; do not allow ap | plication to | contact fruit or foliage. | Apply on | ly to indiv | idual citrus | resets, |
| · · · · · · · · · · · · · · · · · · · | not apply more than 0.5 lb ai/A | 1 | | | | | | | |
| Bifenture EC | Bifenthrin (3B) | 70506-57 | 0.05 | 1 | NO | 12 | | | |
| • | RESTRICTED PESTICIDE.7 | | cation; do not allow ap | plication to | contact fruit or foliage. | Apply on | ly to indiv | idual citrus | s resets, |
| · · · · · · · · · · · · · · · · · · · | not apply more than 0.5 lb ai/A | - | F . | | | | | | |
| BioVector 355 | Steinernema riobravis (NR) | NA | Exempt | | | | | | |
| Other Use Requirements | | I | 1 | T | | 1 - | | | |
| Bracket 90 | Acephate (1B) | 51036-238-9779 | Nonbearing | 12 months | NO | 24 | | 10,000 | - |
| | : Do not harvest citrus for one | | | | | | s greater | | ai/A. |
| Brigade 2 EC | Bifenthrin (3B) | 279-3313 | 0.05 | 1 | NO | 12 | | 10,000 | |
| | RESTRICTED PESTICIDE.7 | | cation; do not allow ap | oplication to | contact fruit or foliage. | Apply on | ly to indiv | idual citrus | s resets, |
| not solid planted rows. Do Brigade WSB | not apply more than 0.5 lb ai/A | Vyr. 00279-03108 | 0.05 | 1 | NO | 12 | | 10,000 | |
| Other Use Requirements bees. | :: RESTRICTED PESTICIDE.7 | Soil application only. Do n | ot allow contact with f | ruit or foliag | e. Toxic to fish and aqu | atic orga | nisms; hi | ghly toxic t | o honey- |
| Capture 2EC | Bifenthrin (3B) | 279-3069 | 0.05 | 1 | NO | 12 | | | |
| Other Use Requirements apply more than 0.5 lb ai/A | :: Use as a soil barrier applicati | on; do not allow application | n to contact fruit or fo | liage. Apply | only to individual citrus | resets, r | not solid p | lanted row | s. Do no |
| Carbaryl | Carbaryl (1A) | (4L) 19713-49, | 10 | 5 | NO | 12 | 10 | 10,000 | 1 |
| (see also Sevin) | | 34704-447 (80S) 19713-50 | | | | | | | |
| Other Use Requirements | : Highly toxic to aquatic inverte | ebrates and honeybees.6 D | o not apply more that | n 20 qts per | acre per crop. | | | | |
| Cheminova Acephate 75 SP | Acephate (1B) | 59639-26-67760 | Nonbearing | 12 months | NO | 24 | | 10,000 | |
| Other Use Requirements | : Do not harvest citrus for one | year after treatment. Minir | num 3 days spray inte | rval for up t | o 0.5 lb ai/A and 7 days | for rates | s greater | than 0.5 lb | ai/A. |
| Chlorpyrifos | Chlorpyrifos (1B) | (15G) 51036-300, | 1 | Foliar | NO | 5 days | 100 | 10,000 | 1 |
| (see also Lorsban) | | 19713-505 | | - 21 | | | | | |
| | | (4E AG) 51036-291, 66222-19 | | Soil - 28 | | | | | |
| | | | | 1 | | | | I | |
| Other Use Requirements | :: RESTRICTED PESTICIDF 7 | | nisms, mammals and | birds. Limit | 2 applications per seas | OH. | | | |
| • | s: RESTRICTED PESTICIDE. ⁷ Abamectin (6) | Toxic to fish, aquatic orga | | | | | | | |
| Clinch Ant Bait | Abamectin (6) | | nisms, mammals and 0.02 | birds. Limit | 2 applications per seas NO | 12 | | | |
| Clinch Ant Bait Other Use Requirements | Abamectin (6) | Toxic to fish, aquatic orgal | 0.02 | 0 | NO | 12 | | 10.000 | 10 |
| Clinch Ant Bait Other Use Requirements Comite | Abamectin (6) :: None Propargite (12C) | Toxic to fish, aquatic orgal 100-894 400-104 | 0.02 | 21 | NO YES | 12 7 days | | 10,000 | 10 |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements | Abamectin (6) :: None Propargite (12C) :: Do not mix with oil, products | Toxic to fish, aquatic orgal 100-894 400-104 with petroleum-based solv | 0.02 5 vents, lime or lime sulf | 0 21 ur. Do not a | NO YES pply within 2 weeks of 0 | 12 7 days oil applica | ation. Avo | id applicat | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements mmature leaves and fruit. | Abamectin (6) :: None Propargite (12C) :: Do not mix with oil, products After 48 hours, workers may e | Toxic to fish, aquatic orgal 100-894 400-104 with petroleum-based solvater treated area if they we | 0.02 5 vents, lime or lime sulf | 0 21 ur. Do not a | NO YES pply within 2 weeks of 0 | 12 7 days oil applica | ation. Avo | id applicat | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements Immature leaves and fruit. Couraze 1.6F | Abamectin (6) :: None Propargite (12C) s: Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) | Toxic to fish, aquatic orgal 100-894 400-104 with petroleum-based solvater treated area if they we 264-763-67760 | 0.02 5 vents, lime or lime sulf ear proper personal proper 0.7 | 0 21 ur. Do not a rotective equal 0 | NO YES pply within 2 weeks of oulpment. Limit 2 applications NO | 7 days oil applications per | ation. Avo | id applicat | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements Immature leaves and fruit. Couraze 1.6F Other Use Requirements | Abamectin (6) None Propargite (12C) Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) Highly toxic to honeybees. 6 T | Toxic to fish, aquatic orgal 100-894 400-104 with petroleum-based solvater treated area if they we 264-763-67760 oxic to aquatic invertebrat | 0.02 5 vents, lime or lime sulf ear proper personal pr 0.7 es. Limit to 32 oz per | 0 21 ur. Do not a rotective equal 0 | NO YES pply within 2 weeks of oulpment. Limit 2 applications NO | 7 days oil applications per | ation. Avo | id applicat | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements mmature leaves and fruit. Couraze 1.6F Other Use Requirements Couraze 2F | Abamectin (6) None Propargite (12C) Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) Highly toxic to honeybees. T | Toxic to fish, aquatic organ 100-894 400-104 with petroleum-based solvater treated area if they we 264-763-67760 oxic to aquatic invertebrat 264-758-67760 | 0.02 5 vents, lime or lime sulfear proper personal proper personal propers. Limit to 32 oz per 0.7 | 21 ur. Do not a rotective equipole 0 acre per sea | NO YES pply within 2 weeks of ouipment. Limit 2 application NO ason. NO | 7 days oil applications per | ation. Avo season. | id applicat Toxic to fis | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements Immature leaves and fruit. Couraze 1.6F Other Use Requirements Couraze 2F Other Use Requirements | Abamectin (6) None Propargite (12C) Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) Highly toxic to honeybees. T Imidacloprid (4A) Highly toxic to honeybees. | Toxic to fish, aquatic organ 100-894 400-104 with petroleum-based solventer treated area if they we 264-763-67760 oxic to aquatic invertebrat 264-758-67760 oxic to aquatic invertebrat 100-264-758-67760 | 0.02 5 rents, lime or lime sulf ear proper personal pr 0.7 es. Limit to 32 oz per 0.7 es. Limit to 32 oz per | 21 ur. Do not a rotective equal 0 acre per sea 0 acre per sea | NO YES pply within 2 weeks of ouipment. Limit 2 application NO ason. NO ason. | 7 days oil applications per 12 | ation. Avo r season. | id applicat Toxic to fis | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements immature leaves and fruit. Couraze 1.6F Other Use Requirements Couraze 2F Other Use Requirements Cryolite 96, Prokil | Abamectin (6) :: None Propargite (12C) :: Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) :: Highly toxic to honeybees. ⁶ T Imidacloprid (4A) :: Highly toxic to honeybees. ⁶ T Cryolite (UN) | Toxic to fish, aquatic organ 100-894 400-104 with petroleum-based solventer treated area if they we 264-763-67760 oxic to aquatic invertebrat 10163-41 | 0.02 5 vents, lime or lime sulfer proper personal proper personal propers. Limit to 32 oz per 0.7 es. Limit to 32 oz per 7 | 21 ur. Do not a rotective equal o acre per sea o acre per sea o 15 | NO YES pply within 2 weeks of of uipment. Limit 2 application NO ason. NO ason. NO | 7 days oil applications per 12 12 | ation. Avo r season. | id applicat Toxic to fis | ion to |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements mature leaves and fruit. Couraze 1.6F Other Use Requirements Couraze 2F Other Use Requirements Cryolite 96, Prokil Other Use Requirements | Abamectin (6) :: None Propargite (12C) :: Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) :: Highly toxic to honeybees. Telloprid (4A) :: Highly toxic to honeybees. Telloprid (4A) :: Highly toxic to honeybees. Telloprid (UN) :: Do not mix with lime or comp | Toxic to fish, aquatic organ 100-894 400-104 with petroleum-based solvanter treated area if they we 264-763-67760 oxic to aquatic invertebrat 264-758-67760 foxic to aquatic invertebrat 10163-41 ounds containing free lime | 0.02 5 vents, lime or lime sulfer proper personal proper personal propers. Limit to 32 oz per 0.7 es. Limit to 32 oz per 7 es. Limit to 32 oz per 7 es, or calcium foliar nut | 21 ur. Do not a rotective equal 0 acre per sea 0 acre per sea 15 rients. Minim | NO YES pply within 2 weeks of of uipment. Limit 2 application NO ason. NO ason. NO ason. NO ason. NO ason. | 7 days oil applications per 12 12 12 12 n applica | ation. Avo r season. | id applicat Toxic to fis | ion to sh |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements Immature leaves and fruit. Couraze 1.6F Other Use Requirements Couraze 2F Other Use Requirements Cryolite 96, Prokil Other Use Requirements Danitol 2.4 EC Spray | Abamectin (6) :: None Propargite (12C) :: Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) :: Highly toxic to honeybees. Telloprid (4A) :: Highly toxic to honeybees. Telloprid (4A) :: Highly toxic to honeybees. Telloprid (UN) :: Do not mix with lime or comp Fenpropathrin (3A) | Toxic to fish, aquatic orgal 100-894 400-104 with petroleum-based solventer treated area if they we 264-763-67760 oxic to aquatic invertebrat 264-758-67760 foxic to aquatic invertebrat 10163-41 ounds containing free lime 59639-35 | 0.02 5 vents, lime or lime sulferer proper personal proper personal propers. Limit to 32 oz personal propersonal properson | 21 ur. Do not a rotective equal 0 acre per sea 15 rients. Minin 1 | NO YES pply within 2 weeks of of uipment. Limit 2 application NO ason. NO ason. NO ason. NO ason. NO | 7 days oil applications per 12 12 | ation. Avo r season. | id applicat Toxic to fis | ion to sh. |
| Clinch Ant Bait Other Use Requirements Comite Other Use Requirements mmature leaves and fruit. Couraze 1.6F Other Use Requirements Couraze 2F Other Use Requirements Cryolite 96, Prokil Other Use Requirements Danitol 2.4 EC Spray | Abamectin (6) :: None Propargite (12C) :: Do not mix with oil, products After 48 hours, workers may e Imidacloprid (4A) :: Highly toxic to honeybees. Telloprid (4A) :: Highly toxic to honeybees. Telloprid (4A) :: Highly toxic to honeybees. Telloprid (UN) :: Do not mix with lime or comp | Toxic to fish, aquatic orgal 100-894 400-104 with petroleum-based solventer treated area if they we 264-763-67760 oxic to aquatic invertebrat 264-758-67760 foxic to aquatic invertebrat 10163-41 ounds containing free lime 59639-35 | 0.02 5 vents, lime or lime sulferer proper personal proper personal propers. Limit to 32 oz personal propersonal properson | 21 ur. Do not a rotective equal 0 acre per sea 15 rients. Minin 1 | NO YES pply within 2 weeks of of uipment. Limit 2 application NO ason. NO ason. NO ason. NO ason. NO | 7 days oil applications per 12 12 12 12 n applica | ation. Avo r season. | id applicat Toxic to fis | ion to sh |

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | TDO | EPCRA ³ | |
|---------------------------------------|-------------------------------|--|-----------------------------------|------------------------------------|-------------------------------|------------|-------------|----------------------|----------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | | (lb ai) ⁴ | RQ |
| Generic Name | (IRAC MOA)9 | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb a |
| CONTINUED TABLE | N. I. I. (17) | T. 10.1 170 | | _ | | | | 10.000 | 10 |
| Dibrom 8 Emulsive | Naled (1B) | 5481-479 | 3 | 7 | NO | 48 | | 10,000 | 10 |
| · · · · · · · · · · · · · · · · · · · | | .7 Limit 1 pint per acre in Flor | | - | | | | | |
| Dimate 4 EC | Dimethoate (1B) | 51036-110-9779 9779-273 | 2 | 15-45 depend- ing on rate | YES ¹⁰ | 10 days | 500 | 10,000 | 10 |
| Other Use Requirements: | Limit to 2 applications to m | nature fruit. Highly toxic to hor | neybees.6 Toxic to aqu | uatic organi | sms. | | | | |
| Dimethoate | Dimethoate (1B) | | 2 | 15 or 45 (depending on rate) | YES ¹⁰ | 10 days | 500 | 10,000 | 10 |
| 2.67 | | 19713-232 | | | | | | | |
| 2.67 EC | | 34704-489 | | | | | | | |
| 267 | | 51036-198 | | | | | | | |
| 4 EC | | 5905-493 | | | | | + | | |
| 4 EC | | 19713-231 | | | | | | | |
| 4 | | 10163-160 | | | | | + | | - |
| 400 | | 34704-207 | | | | | | | - |
| 4 E | | 51036-110, 34704-207- 67760, 66330-223 | | | | | | | |
| 5 lb | | 5905-497 | | | | | | | |
| E 267 | | 10163-56 | | | | | + | | |
| | Limit to 2 applications to m | nature fruit. Highly toxic to hor | nouhana ⁶ Tavia ta agu | latic argani | <u> </u> | | | | |
| | | 59639-96 | | | | 12 | | 10.000 | 100 |
| Distance | Pyriproxyfen (7C) | | Nonbearing | 12 months | NO | 12 | | 10,000 | 100 |
| · · · · · · · · · · · · · · · · · · · | : Limit 2 applications per se | ason. | | | | | | | |
| Distance Fire Ant Bait | Pyriproxyfen (7C) | 1021-1728-59639 | Nonbearing | 12 months | NO | 12 | | | |
| Other Use Requirements: | None | | | | | | | | _ |
| DiTera ES | Myrothecium verrucaria | 73049-43 | Exempt | 0 | NO | 4 | | | |
| DiTera DF | (NR) | 73049-67 | | | | | | | |
| Other Use Requirements: | None | | | | | | | | |
| Ecotrol EC | Peppermint oil Rosemary | oil Exempt | Exempt | 0 | NO | 0 | | | |
| Other Use Requirements: | : None | | | | | | | | |
| Ecozin 3% EC | Azadirachtin (UN) | 5481-476 | Exempt | 0 | NO | 12 | | | |
| Other Use Requirements: | : None | | | | | | | | |
| Entrust | Spinosad (5) | 62719-282 | 0.3 | 1 | NO | 4 | | | |
| Other Use Requirements: | Limit to 2 applications per | year. Limit to 9 oz of product | (0.45 lb ai spinosad) | per acre pe | r season. | | | | |
| Envidor 2SC | Spirodiclofen (23) | 00264-00831 | 0.5 | 7 | NO | 12 | | | |
| Other Use Requirements: | Limit to 1 application per v | ear. Limit to 20 oz product pe | er acre per season. | | | | | | |
| Epi-mek 0.15EC | Abamectin (6) | 00100-01154 | 0.02 | 7 | NO | 12 | | 10,000 | |
| Other Use Requirements: | : RESTRICTED PESTICIDE | E. ⁷ Toxic to fish, mammals and b ai/A) of any abamectin prod | d aquatic organisms. | Highly toxic | l. | | cations of | | per grov |
| Esteem Ant Bait | Pyriproxyfen (7C) | 59639-114 | 0.3 | 1 | NO | 12 | | | |
| Other Use Requirements: | , , , , , | 12222 | 3.0 | | | | 1 | 1 | |
| Esteem 0.86 EC | Pyriproxyfen (7C) | 59639-95 | 0.3 | 1 | NO | 12 | | 10,000 | 100 |
| | | season. Limit to 26 fl oz per a | | | 110 | 12 | | 10,000 | 100 |
| Evergreen EC 60-6 | Pyrethrins + piperonyl | 01021-01770 | Pyrethrins (1) | 0 | NO | 12 | 10,000 | | 1 |
| Evergreen EC 00-0 | butoxide (3A) | 01021-01770 | Piperonyl butoxide (8) | 0 | NO | 12 | 10,000 | | ' |
| Other Use Requirements: | : None | | | | | | | | |
| Exirel | Cyantraniliprole (28) | 352-859 | 0.70 | 1 | NO | 12 | | | |
| | | e than 0.4 lb ai/A of any cyan | | product pe | | | estrictions | ; | |
| Extinguish | Methoprene (7A) | 2724-475 | Exempt | 0 | NO | 4 | | | |
| J | . , , | 1 | | | | · · | | 1 | |
| Other Use Requirements: | | | | | | | | | |

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | TDO | EPCRA ³ | T |
|---------------------------------------|---------------------------------------|--|-----------------------|-----------------|-------------------------------|------------|-------------|----------------------|---------------|
| Trade Name or | Common Name | EPA Registration Number ¹ | Tolerance Fruit | Days to | Field | REI | | (lb ai) ⁴ | RQ (lb ai) |
| Generic Name CONTINUED TABLE | (IRAC MOA) ⁹ | Number. | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (ID al |
| | Martin (45) | (50.40() 5005.400 | 1 | _ | | 40 | | 10.000 | 100 |
| Fyfanon | Malathion (1B) | (56.4%) 5905-196 (8 lb emulsion) 5905- | 8 | 7 | NO | 12 | | 10,000 | 100 |
| | | 250-ZA | | | | | | | |
| | | (ULV) 67760-34 | | | | | | | |
| | | SLN FL-40004 | | | | | | | |
| (see also Malathion and | | | | | | | | | |
| Atrapa) | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | s: Highly toxic to honeybee | | 1 | | ı | | | | T |
| GF-120 | Spinosad (5) | 62719-359 | 0.3 | 0 | NO | 4 | | | |
| GF-120 NF | T. 1. 1 | 62719-498 | .1 | | | | | | |
| · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | rates. Do not apply directly to w | | 04 | \/F0 | | 400 | 10.000 | |
| Govern 4 E | Chlorpyrifos (1B) | 62719-220-55467 | 1 | 21 | YES | 5 days | 100 | 10,000 | 1 |
| · · · · · · · · · · · · · · · · · · · | s: RESTRICTED PESTICII | | 0.7 | | NO | 40 | | | |
| mida E-AG 2 F | Imidacloprid (4A) | 81959-22 | 0.7 | 0 | NO NO | 12 | | | |
| Otner Use Requirement Imidan 70-W | | es. ⁶ Toxic to aquatic invertebrate | 1 | · ` ` | | 0.4 | 40 | | 10 |
| imidan 70-vv | Phosmet (1B) | 10163-169 SLN FL-10006 | 5 | 7 | NO | 24 | 10 | | 10 |
| Other Use Peguirement | s: Limit 5 applications per s | year. Toxic to fish and aquatic or | raanieme. Hiahly tovi | c to honovh | 000 6 | | | | |
| Impulse 1.6 FL | Imidacloprid (4) | 42750-109 | 0.7 | 0 | NO NO | 12 | | | |
| | . , , | es. ⁶ Toxic to aquatic invertebrate | | | | 12 | | | |
| Intrepid 2F | Methoxyfenozide (18) | 62719-442 | 10 | 1 | NO | 4 | | | |
| <u> </u> | | oo not apply more than 16 fl oz | | | | | | | |
| within 14 days of last app | s. 24(c) 3LN-1 L-100001, L lication. | o not apply more than 10 if 02 i | dei acie pei applicat | 011 01 04 11 0 | iz or intrepia zr (1 ib ar |) per acre | рег зеа | SUII. DU 110 | т арріу |
| Justice Fire Ant Bait | Spinosad (5) | 62719-00329 | 0.3 | 0 | NO | 4 | | | |
| Other Use Requirement | s: None | | | | ı | | | | |
| Kanemite 15SC | Acequinocyl (20B) | 66330-00038 | 0.2 | 7 | NO | 12 | | | |
| Other Use Requirement | s: None | <u> </u> | | | | | | | |
| Knack IGR | Pyriproxyfen (7C) | 59639-95 | 0.3 | 1 | NO | 12 | | 10,000 | 100 |
| Other Use Requirement | s: Limit to 2 applications pe | er season. Limit to 26 fl oz produ | uct per acre per seas | on. | | | | | |
| Kryocide | Cryolite (UN) | 4581-116 | 7 | 15 | NO | 12 | | | |
| Other Use Requirement | s: Limit to 90 lbs per acre p | per season. | | | | | | | |
| Lorsban | Chlorpyrifos (1B) | (4E) 62719-220 | 1 | Foliar | YES ¹⁰ | 5 days | 100 | 10,000 | 1 |
| (see also Chlorpyrifos) | | (Advanced) 62719-591 | | - 21 | | | | | |
| | | (50-W) 62719-221, | | Soil - 28 | | | | | |
| | | 62719-221-10163 | | | | | | | |
| | | (15G) 62719-34 | | | | | | | |
| | | (75WG) 62719-301, 62719-301-10163 | | | | | | | |
| Other Hee Beguirement | a. Foliar Highly toyio to be | oneybees. ⁶ Limit to 2 appl/seaso | on with 20 day intony | al: Cail Lim | uit to 2 appl/access with | movimu | m of 10 c | rta/aara/aa | ocen 4E |
| Formulation is RESTRIC | | oneybees. Limit to 2 appi/seast | on with 30 day interv | ai, Soii - Liii | iit to 3 appi/season witi | ı maximu | 111 01 10 0 | lis/acre/sea | 350II. 4E |
| Macho 2.0 FL | Imidacloprid (4A) | 42750-110 | 0.7 | 0 | NO | 12 | | | |
| | | es.6 Toxic to aquatic invertebrate | | | | | | 1 | 1 |
| Malathion | Malathion (1B) | - Iono to aquatio involtobrato | 8 | 7 | NO | 12 | | 10,000 | 100 |
| (see also Fyfanon and | Walaulion (15) | | | | | | | .0,000 | |
| Atrapa) | | | | | | | | | |
| 5 | | 9779-5 | | | | | | | |
| 5 EC | | 51036-104, 1386-124 | | | | | | | |
| 57 EC | | 34704-108 | | | | | | | |
| 8 Aquamul | | 34704-474 | | | | | | | |
| 8 E | | 34704-452 | | | | | | | |
| 8 EC | | 34704-119, 51036-214 | | | | | | | |
| 8 Flowable | | 10163-21 | | | | | | | |
| 8 Spray | | 2935-83 | | | | | | | |
| | s: Highly toxic to honeybee | | 1 | 1 | I. | | | 1 | |
| · · · · · · · · · · · · · · · · · · · | Chromobacterium | 84059-10 | EXEMPT | 0 | NO | 4 | | | |
| MBI-203 EP | | | | | | | | | |

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | | EPCRA ³ | |
|--|---|--|-------------------------|---------------|-------------------------------|------------|------------|----------------------|-------------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | | (lb ai) ⁴ | RQ |
| Generic Name | (IRAC MOA)9 | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai) |
| CONTINUED TABLE | | | I | | | | | | |
| Micromite 25WS | Diflubenzuron (15) | 400-471 | 0.5 | 21 | NO | 12 | | 10,000 | |
| Micromite 4L | | 400-476 | | | | | | | |
| Micromite 80WGS | | (SLN-FL-960014) 400-487 | | | | | | | |
| Other Use Requirements: | RESTRICTED PESTICIDE. | ⁷ Toxic to aquatic invertebrate | es. | | | | | | |
| Minecto Pro | Cyantraniliprole (28) | 100-1592 | 0.70 | 7 | NO | 12 | | | |
| | Abamectin (6) | | 0.002 | | | | | | |
| · | Do not apply more than 0.4 | lbs a.i. per calendar year of | any cyantraniliprole-o | containing p | product. Do not apply fro | om onset | of flower | ing until pe | tal fall is |
| complete. | Ethonron (1D) | 264 450 CLN EL 070004 | Nanhaarina | 10 | VEC | 40 | 1.000 | 10.000 | 100 |
| Mocap EC | Ethoprop (1B) | 264-458 SLN-FL-870001 | Nonbearing | 12 months | YES | 48 | 1,000 | 10,000 | 100 |
| Other Use Requirements: | RESTRICTED PESTICIDE. | 7 Acute dermal toxicity | | 1110111110 | | | | <u> </u> | |
| Montana 2F | Imidacloprid (4A) | 83100-7-83979 | 0.7 | 0 | NO | 12 | | | |
| | Highly toxic to honeybees.6 | | - | _ | _ | | | | |
| Movento | Spirotetramat (23) | 264-1050 | 0.6 | 1 | NO | 24 | | | |
| | Do not apply more than 20 f | | | v within 10 | _ | | m. or unti | il petal fall i | s com- |
| plete. | 20o. app.yo. o a.a 20 . | . 027 (0.02 10 0.17 1) po. 0.0p | осасон. Во ногарр. | , | aayo po. to 2.00, aa | 9 2.00. | , 0. 0 | . potal rail i | 0 00 |
| Movento MPC | Spirotetramat (23) | 264-1065 | 0.6 | 1 | NO | 24 | | | |
| Other Use Requirements: | Do not apply more than 32 t | 1. oz./A (0.32 lb ai/A) per gro | wing season. Do not | apply within | n 10 days of bloom, du | ring bloor | n, or unti | l petal fall is | s com- |
| plete. | | | | | | | | | |
| M-Pede | Potassium salts of | 53219-6 | Exempt | 0 | NO | 12 | | | |
| | fatty acids | 15G62119-34 | | | | | | | |
| | | 62719-515 | | | | | | | |
| Other Use Requirements: | Do not mix with chlorothalor | nil, Formetanate hydrochlorid | le, Fosetyl-Al, gibber | ellic acid, M | lancozeb, or sulfur. | | | | |
| Mustang Insecticide | Zeta-cypermethrin (3A) | 279-3126 | 0.35 | 1 | NO | 12 | | 10,000 | |
| Other Use Requirements: | RESTRICTED PESTICIDE. | ⁷ Do not make more than 4 a | applications (0.20 lb a | ai) per crop | season. Do not make a | pplication | ns less th | nan 14 days | apart. |
| Highly toxic to honeybees ⁶ , | do not apply during bloom. | | | | | | | | |
| Mustang Max EW | Zeta-cypermethrin (3A) | 279-3328 | 0.35 | 1 | NO | 12 | | 10,000 | |
| | RESTRICTED PESTICIDE. do not apply during bloom. | ⁷ Do not make more than 4 a | applications (0.10 lb a | ai) per crop | season. Do not make a | pplication | ns less th | ıan 14 days | apart. |
| Neemix 4.5 | Azadirachtin (UN) | 70051-9 | Exempt | 0 | NO | 12 | | | |
| Other Use Require- ments: None | | | | | | | | | |
| Nexter Miticide/Insecticide | Pyridaben (21A) | 81880-4-10163 | 0.5 | 7 | NO | 12 | | | |
| Other Use Requirements: | Highly toxic to honeybees ⁶ | and fish. Do not exceed 2 ap | pl/season. Do not ap | ply by air o | r handgun. | | | | |
| Nufos 15G | Chlorpyrifos (1B) | 67760-14 | 1 | 28 | YES | 24 | | | 1 |
| Other Use Requirements: | Limit 3 applications per year | | | | | | | | |
| Nufos 4E | Chlorpyrifos (1B) | 67760-28 | 1 | 21 | YES | 5 days | 1,000 | 10,000 | 1 |
| Other Use Requirements: | RESTRICTED PESTICIDE. | Limit 2 applications per sea | son. | | | | | | |
| Nuprid 1.6F | Imidacloprid (4A) | 228-488 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements: | Highly toxic to honeybees.6 | Toxic to aquatic invertebrate | s. Limit to 32 oz per | acre per sea | ason (0.5 lb ai/A/yr). | | | | |
| Nuprid 2F | Imidacloprid (4A) | 228-484 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements: | Highly toxic to honeybees.6 | Toxic to aquatic invertebrate | s. Limit to 32 oz per | acre per sea | ason (0.5 lb ai/A/yr). | | | | |
| Nuprid 4.6F Pro | Imidacloprid (4A) | 228-527 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements: | Highly toxic to honeybees.6 | Toxic to aquatic invertebrate | s. Limit to 14 fl oz pe | r acre per s | eason (0.5 lb ai/A/yr). | | | | |
| Omite-30WS | Propargite (12C) | 400-427 | Nonbearing | 12 | YES | 28 | | 10,000 | 10 |
| Omite-CR | | 400-426 | | months | | days | | | |
| Other Use Requirements: | After 48 hours, workers may | enter treated area if they we | ear proper personal p | orotective e | quipment. Limit 2 applic | cations pe | er seasor | ١. | |
| OR-Cal Slug & Snail Bait | Metaldehyde | 71096-7 | 0.26 | 0 | NO | 12 | | | |
| Other Use Requirements: | None | | | | | | | | |
| Orthene | Acephate (1B) | (75 S) 59639-26 (97) 59639-91 | Nonbearing | 12 months | NO | 24 | 10 | 10,000 | 1 |
| | Highly toxic to honeybees. ⁶ | Toxic to fish and birds. Do no | ot harvest citrus for o | ne year afte | er treatment. Minimum | 3 days sp | ray inter | val for up to | 0.5 lb |
| al/A and / davs for rates or | l . | 00264-00763-66222 | 0.7 | 0 | NO | 12 | | | |
| | Imigacionrig (4A) | | | | | | | | |
| Pasada 1.6F | Imidacloprid (4A) Highly toxic to honeybees ⁶ | | | | | | | | |
| ai/A and 7 days for rates gr Pasada 1.6F Other Use Requirements: Platinum 75 SG | Highly toxic to honeybees. ⁶ Thiamethoxam (4A) | | | | | | | | |

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | TDO | EPCRA ³ | |
|---------------------------------|--|---|--------------------------|--------------------|--|-----------|---------------|--------------------|---------------|
| Trade Name or Generic Name | Common Name (IRAC MOA) ⁹ | EPA Registration Number ¹ | Tolerance Fruit (ppm) | Days to Harvest | Field Posting Required ² | REI Hr | 1 | (lb ai)⁴ 2 | RQ (lb ai) |
| CONTINUED TABLE | (IKAC WOA) | Nullibei | (ррііі) | Haivest | rosting Required | | 1 | | (ID al) |
| Portal | Fenpyroximate (21) | 71711-19 | 0.6 | 14 | NO | 12 | | | T |
| | : Do not apply more than 4 p | | 0.0 | 17 | 110 | 12 | | | |
| Prey 1.6 | Imidacloprid (4A) | 34704-894 | 0.7 | 0 | NO | 12 | | | |
| | : Highly toxic to honeybees. | | | | | 12 | | | |
| Prokil Cryolite 96 | Sodium aluminoflouride | 10163-41 | 7 | 15 | NO NO | 12 | | | |
| 1 Tokii Oryonte oo | (UN) | 10100 41 | , | 10 | 110 | 12 | | | |
| Other Use Requirements | : Do not apply more than 90 | lbs per acre per year. | | | | | | | |
| Prokoz Sevin SL | Carbaryl (1A) | 432-1227-72112 | 10 | 5 | NO | 12 | 10,000 | | 100 |
| Other Use Requirements | : None | | | | | | | | |
| Provado 1.6 F | Imidacloprid (4A) | 264-763 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements | : Highly toxic to honeybees. | Toxic to aquatic invertebra | tes. Limit to 40 oz/acre | s/season (0. | 5 lb ai/A/yr). | | | | |
| Pyganic EC 1.4 II | Pyrethrins (3A) | 1021-1771 | 1 | 0 | NO | 12 | | | 1 |
| Pyganic EC 5.0 II | | 1021-1772 | | | | | | | |
| Other Use Requirements | : None | | | | | | | | |
| Pyrellin E.C. | Pyrethrins (3A) | 30573-2 | 1 | 5 | NO | 12 | | | 1 |
| | Rotenone (21) | | | | | | | | |
| Other Use Requirements | : None | | | | | , | | | |
| Reaper 0.15EC | Abamectin (6) | 34704-923 | 0.02 | 7 | NO | 12 | | 10,000 | |
| Other Use Requirements | : RESTRICTED PESTICIDE | .7 Toxic to fish, mammals a | nd aquatic organisms. | Highly toxic | to honevbees.6 Limit of | f 3 appli | cations of | abamectin | per |
| • | oply more than 40 fl oz/A (0.0 | | | | | | | | |
| Savey 50 DF | Hexythiazox (10A) | 10163-250 | Nonbearing | 12 | NO | 12 | | | |
| | | | | months | | | | | |
| Other Use Requirements | : Limit 1 application per year | Toxic to fish and aquatic ir | nvertebrates. | | | | | | |
| Sevin | | (80 S) 264-316 | 10 | 5 | NO | 12 | | 10,000 | 100 |
| | | (4 F) 264-349 | | | | | | | |
| | | (XLR) 264-333 | | | | | | | |
| | | (SL) 432-1227 | | | | | | | |
| | | (80WSP) 264-526 (80 WSP) 432-1226 | | | | | | | |
| (and also Carbaryl) | | (60 7737) 432-1220 | | | | | | | - |
| (see also Carbaryl) | | | | | | | | | |
| Other Use Requirements | : Do not apply more than 20 | lb ai/acre/vear for all uses. | Highly toxic to honeyb | ees.6 Toxic | to aquatic invertebrates | | | | |
| Sivanto 200 SL | Flupyradifurone (4D) | 264-1141 | 3.0 | 1 | NO | 12 | | | |
| | : Do not apply more than 28 | .0 fl oz/A per vear | | | | | | | |
| Sniper | Bifenthrin (3A) | 34704-858 | 0.05 | 1 | NO | 12 | | 10,000 | 100 |
| • | : RESTRICTED PESTICIDE | | | | | | alu ta indiu | , | |
| | not apply more than 0.5 lb a | | ication, do not allow ap | plication to | contact truit or tollage. | ңрыу о | ily to illuiv | iduai citius | s resets, |
| Spintor 2 SC | Spinosad (5) | 62719-294 | 0.3 | 1 | NO | 4 | T | | T |
| • | : Do not apply more than 29 | | | | | | | | 1 |
| Sulfur | Sulfur (NR) | See Table 2 | Exempt | 0 | NO | 24 | | | |
| | : Do not apply within 21 day | | Exompt | | 110 | | | | |
| Surround WP | Kaolin (NR) | 70060-00014 | Exempt | 0 | NO | 4 | | | T |
| Other Use Require- | TRACIIII (TVTV) | 70000-00014 | LXCIIIpt | 0 | 110 | 7 | | | |
| ments: None | | | | | | | | | |
| Temprano | Abamectin (6) | 67760-71-400 | 0.02 | 7 | NO | 12 | | 10,000 | |
| · · | : RESTRICTED PESTICIDE | | | | | | cations of | | nor grow |
| | nore than 40 fl oz/A (0.047 lb | | | | to noneybees. Limit of | 3 appli | cations or | abamecum | per grov |
| Torrent 1.6F | Imidacloprid (4A) | 60063-32 | 0.7 | 0 | NO | 12 | | | |
| | : Highly toxic to honeybees. | | | | | | | | |
| Torrent 2 F | Imidacloprid (4A) | 60063-31 | 0.7 | 0 | NO | 12 | | | l |
| | : Highly toxic to honeybees. | 1 | | | | | | | |
| Vendex 50WP | Fenbutatin oxide (12B) | 352-658 | 20 | 7 7 | NO | 48 | | 10,000 | |
| | | | | | | -70 | | 10,000 | |
| | · BESTBILLED BESTIVING | | | | | | | | |
| Other Use Requirements Verimark | : RESTRICTED PESTICIDE Cyantraniliprole (28) | 352-860 | 0.70 | 1 | NO NO | 4 | | | |

TABLE 4. Pesticides Registered for Use on Florida Citrus – Insecticides, Acaricides and Nematicides

| | | | | | | | EPCRA | | |
|---------------------------|--|-------------------------------|-------------------------|--------------|-------------------------------|-----------|------------|----------------------|----------------------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ | (lb ai) ⁴ | RQ |
| Generic Name | (IRAC MOA)9 | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai) ⁵ |
| CONTINUED TABLE | | | | | | | | | |
| Voliam Flexi | Chlorantraniliprole (28); | 100-1319 | 1.4; | 1 | NO | 12 | | | |
| | Thiamethoxam (4A) | | 0.4 | | | | | | |
| | : Highly toxic to honeybees. 6 C or 0.2 lb. ai of chlorantranilipro | | | | d a total of 14.0 oz of Vo | oliam Fle | ki or 0.17 | 2 lb ai of th | iameth- |
| Vydate L | Oxamyl (1A) | 352-372 | 3 | 7 | NO | 48 | 100 | 10,000 | 1 |
| Other Use Requirements | : SL8; RESTRICTED PESTICI | DE.7 Toxic to birds and man | nmals. Limit to 6 app | lications pe | r year. | | | | |
| Warhawk | Chlorpyrifos (1B) | 62719-220-34704 | 1 | 21 | YES | 5 days | | 10,000 | 1 |
| Other Use Requirements | : RESTRICTED PESTICIDE.7 | | | | | | | | |
| Whirlwind | Chlorpyrifos (1B) | 62719-220-5905 | 1 | 21 | YES | 5 days | | 10,000 | 1 |
| Other Use Requirements | : RESTRICTED PESTICIDE.7 | | | | | | | | |
| Widow | Imidacloprid (4A) | 34704-893 | 0.7 | 0 | NO | 12 | | | |
| Other Use Requirements | : Highly toxic to honeybees.6 T | oxic to aquatic invertebrates | s. Limit to 32 fl oz/ac | re/season (| 0.5 lb ai/A/yr). | | | | |
| Zoro Miticide/Insecticide | Abamectin (6) | 67760-71 | 0.02 | 7 | NO | 12 | | 10,000 | |

Other Use Requirements: RESTRICTED PESTICIDE. Toxic to fish, mammals and aquatic organisms. Highly toxic to honeybees. Limit of 3 applications of abamectin per growing season. Do not apply more than 40 fl oz/A (0.047 lb ai/A) of any abamectin product in a growing season.

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | | | EPCR | A ⁵ |
|---------------------------|---------------------------------------|------------------------------|-----------------------------|----------------|-------------------------------|-----|--------|--------------------|-----------------------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ (I | b ai) ⁶ | RQ |
| Generic Name | (FRAC MOA)1 | Number ² | (ppm) ³ | Harvest | Posting Required ⁴ | Hr | 1 | 2 | (lb ai) ⁷ |
| A-Zox 25 SC | Azoxystrobin (11) | 83529-64 | Fruit (group 10) 15.0 | 0 | NO | 4 | | | |
| | | | 20 (dried pulp) 40 (oil) | | | | | | |
| Other Use Requireme | ents: Do not apply more than 92.3 f | fl oz/acre/season for all us | ses or 1.5 lb ai/acre/se | eason. | | | | | |
| Abound Flowable Fungicide | Azoxystrobin (11) | 100-1098 | Fruit (group 10) 15.0 | 0 | NO | 4 | | | |
| | | | 20 (dried pulp) 40 (oil) | | | | | | |
| Other Use Requireme | ents: Do not apply more than 92.3 f | fl oz/acre/season for all us | es or 1.5 lb ai/acre/se | eason. | | | | | |
| Acadia 2 SC | Azoxystrobin (11) | 92647-2-91234 | Fruit (group 10) 15.0 | 0 | NO | 4 | 10,000 | | |
| | | | 20 (dried pulp) 40 (oil) | | | | | | |
| Other Use Requireme | ents: Do not apply more than 92.3 f | fl oz/acre/season for all us | ses or 1.5 lb ai/acre/se | eason. | | | | | |
| Actigard 50WG | Acibenzolar-S-methyl (21) | 100-922 | Fruit (group 10) 0.02 | 0 | NO | 12 | | | |
| Other Use Requireme | ents: Do not apply more than 3.2 o | z/acre/application (0.1 lb | ai) or 12.8 oz/acre/yea | ar (0.4 lb ai) | | | | | |
| Actinovate AG | Streptomyces lydicus WYEC 108 (NC) | 73314-1 | Exempt | 0 | NO | 1 | | | |
| Other Use Requireme | ents: None | | | | | | | | |

¹ Extracted from product labels, Code of Federal Regulations and other federal and state regulations.

² Read product label for specific use precautions, especially Worker Protection Standards and environmental concerns.

³ Emergency Planning and Community Right-To-Know Act. Information presented here is not intended to take the place of the actual regulation. Call the State Emergency Response Commission 1-800-635-7179 for additional details.

⁴ Threshold Planning Qu antity. If the grower meets or exceeds this amount, notification must be made. Placard vehicle not a facility. (1 = active ingredient is a gas, is molten, in solution of or is a fine powder; 2 = is a granular or other larger particle form)

⁵ The amount of active ingredient that when spilled or released requires reporting to authorities within 15 minutes. Should be reported by telephone to 850-413-9919 or 800-320-0519.

⁶ Will kill bees for 24 hours following application.

A certification license is required to purchase and apply or must be under the supervision of a licensee and only for those uses covered by the certified applicator's certification.

⁸ SL = See Label for use restrictions.

⁹ Mode of action class for citrus pesticides from the Insecticide, Fungicide, and Herbicide Resistance Action Committees. Refer to ENY-624, Pesticide Resistance and Resistance Management, in the 2018-19 Florida Citrus Production Guide for more details.

¹⁰ Under revisions to the WPS, mandatory posting is required for any product with an REI greater than 48 hours. Refer to Quick Reference Guide to the Worker Protection Standard (WPS) as Revised in 2015 in the 2018-19 Florida Citrus Production Guide for more details.

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | | | EPCR | |
|--------------------------------------|--|---|--|---|--|-----------|------------|-------------------------|----------------------------|
| Trade Name or Generic Name | Common Name (FRAC MOA) ¹ | EPA Registration Number ² | Tolerance Fruit (ppm) ³ | Days to Harvest | Field Posting Required ⁴ | REI Hr | TPQ (I | b ai) ⁶ 2 | RQ (lb ai) ⁷ |
| CONTINUED TABLE | (| 111111111111111111111111111111111111111 | (PP7 | 111111111111111111111111111111111111111 | | | - | | () |
| Adorn Fungicide | Fluopicolide (43) | 59639-141 | Nonbearing | NA ⁸ | NO | 12 | | | |
| Other Use Requirement ping cycle. | s: Nonbearing only; must be tank | k mixed with another fun | | anagement | - see label for details; | no more | than 2 ap | plication | ns per cro |
| Agri-Fos Systemic Fungicide | Mono- and di-potassium salts of phosphorous acid (P07) | 71962-1 | Exempt | 0 | NO | 4 | - | | |
| | s: Do not apply at temperatures | above 95°F. | | | I . | | | | |
| Aliette WDG | Fosetyl-AL (Aluminum tris) (P07) | 264-516 | fruit (group 10) 0.5 | 30 (foliar) | NO | 12 | | | |
| Other Use Requirement | s: Do not exceed 4 appl/season | or 20 lb/acre/vear: for fo | liar application, do not | exceed 500 | GPA. | | | | |
| Alude | Mono- and di-potassium salts of phosphorous acid (P07) | , , | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | | l | l | | 1 | | | | |
| Alumni | Thiabendazole (1) | 100-889 | 15 (oil) Fruit (group 10 PH) 10 | PH | NA | 12 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Amistar Top | Azoxystrobin (11) Difenoconazole (3) | 100-1313 | A fruit (group 10) 15.0 A 20 (dried pulp) A 40 (oil) D fruit (group 10) 0.60 D 2.0 (dried pulp) D 25 (oil) | 0 | NO | 12 | | | |
| Other Use Requirement | s: Do not apply more than 61.5 f | Loz/acre/season for all L | , , | e than 0.5 lb | i ai difenoconazole/acre | e/season | Do not a | apply mo | re than 1 |
| | eason. Not for nursery use. | OZ/ACIE/SCASOII IOI All C | ises. Do not apply more | e triair 0.5 ib | al diferiocoriazoie/acie | 5/304301 | . Do not a | арріу піс | ne man i |
| AmTide Propiconazole 41.8% EC | Propiconazole (3) | 83851-10 | Nonbearing 1000 (oil) | NA | NO | 12 | | | 100 |
| | | | Fruit (group 10) 8 | | | | | | |
| Other Use Requirement | | | | | ı | | | | |
| Armicarb O | Potassium bicarbonate (NC) | 5905-541 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | | 0=000 44 | | | | | 1 | | |
| Azoxy 2SC | Azoxystrobin (11) | 87290-44 | Fruit (group 10) 15.0 20 (dried pulp) 40 (oil) | 0 | NO | 4 | | | - |
| Other Use Requirement | s: Do not apply more than 92.3 f | oz/acre/season for all ι | ises or 1.5 lb ai/acre/se | ason. | | | | | |
| AzoxyStar | Azoxystrobin (11) | 42750-261 | Fruit (group 10) 15.0 20 (dried pulp) 40 (oil) | 0 | NO | 4 | | | |
| | s: Do not apply more than 92.3 f | | | | ı | ı | | | |
| Azoxyzone | Azoxystrobin (11) | 71532-35-91026 | Fruit (group 10) 15.0 20 (dried pulp) 40 (oil) | 0 | NO | 4 | | | |
| Other Use Requirement | s: Do not apply more than 92.3 f | οz/acre/season for all υ | ` , , | ason. | | | | | |
| AZteroid FC | Azoxystrobin (11) | 89118-3 | Fruit (group 10) 15.0 20 (dried pulp) 40 (oil) | 0 | NO | 4 | | | |
| Other Use Requirement | s: Do not apply more than 92.3 f | oz/acre/season for all u | ises or 1.5 lb ai/acre/se | eason. | | | | | |
| Banner MAXX II | Propiconazole (3) | 100-1326 | Nonbearing 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 12 | | | |
| Other Use Requirement | s: Nonbearing only; Do not apply | more than 5.4 gallons/a | acre/season. | | | | | | |
| · · · · · · · · · · · · · | | | | | | | | | |

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | | TPO (| EPCF lb ai) ⁶ | |
|--|--|---|---|--------------------|--|-----------------|--------------|-----------------------------|----------------------------|
| Trade Name or Generic Name | Common Name (FRAC MOA) ¹ | EPA Registration Number ² | Tolerance Fruit (ppm) ³ | Days to Harvest | Field Posting Required ⁴ | REI Hr | 1 | 2 | RQ (lb ai) ⁷ |
| CONTINUED TABLE | , | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | , , |
| 2 | | 00000 40 | Nonbearing | 10 | | | | | |
| Bumper 41.8 EC ES | Propiconazole (3) | 66222-42 66222-241 | 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 12 | | | 3,367 |
| Other Use Requirement | its: Nonbearing only or within 12 | months of harvestable from | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | han 24 fl oz | /acre/season of Bumpe | r 41.8E0 | C. Do no | t apply n | nore than |
| Carb-O-Nator | Potassium bicarbonate | 70051-117 | Exempt | 0 | NO | 4 | | | |
| Other Use Requiremen | its: None | | | | | | | | |
| Confine Extra | Mono- and di-potassium salts of phosphorous acid (P07) | 1381-244 | Exempt | 0 | NO | 4 | | | |
| Other Use Requiremen | ts: Do not apply at less than a 3 | day interval. | | | | | | | |
| Copper fungicides | Various (M01) | See Table 1 | Exempt | 0 | NO | SL ⁹ | | | |
| Other Use Requiremen | ts: None | | | | | | | | |
| Dorado | Propiconazole (3) | 100-741 | Nonbearing 1000 (oil) Fruit (group 10) 8 | NA | NO | 12 | | | |
| Other Use Requiremen | ts: Nonbearing only | | | | | | | | |
| Double Nickle 55 | Bacillus amyloliquefaciens | 70051-108 | Exempt | 0 | NO | 4 | | | |
| LC | strain D747 | 70051-107 | | | | | | | |
| Other Use Requiremen | ts: None | | | | | | | | |
| Enable 2 F | Fenbuconazole (3) | 62719-416 | 5.0 (dried pulp) 40 (oil) Fruit (group 10) 1.0 | 0 | NO | 12 | | | |
| Other Use Requirement polymer adjuvants. | ts: No more than 3 applications/ | year; no more than 0.38 I | b (24 fl oz Enable) ai/a | cre/year; M | inimum retreatment inte | rval is 2 | 1 days. E | o not ap | ply with |
| Ferbam Granuflo | Ferbam (M03) | 45728-7 | 4.0 fruit (group 10) | 0 | NO | 24 | | | |
| Other Use Requiremen | its: No more than 3 applications. | | , ,, | | | | | | 1 |
| Fitness | Propiconazole (3) | 34704-1031 | Nonbearing 1000 (oil) | 12 months | NO | 12 | | | 100 Napl thalene |
| Other Hee Beguiremen | to. Do not use more than 0.67 lb | oi or 24 fl.oz. propioopoz | Fruit (group 10) 8 | | | | | | |
| · · · · · · · · · · · · · · · · · · · | Phosphorous acid, mono- | | | | | | | | |
| Fosphite | and dipotassium salts (P07) | 68573-2 | Exempt | 0 | NO | 4 | | | |
| | ts: Minimum retreatment interva | | | 1 | | | cts. | | |
| Fungi-Phite | Phosphorous acid, mono- and dipotassium salts (P07) | 73771-5 | Exempt | 0 | NO | 4 | - | | |
| Other Use Requiremen | its: If chemigating, do not apply r | more than 4 times/crop cy | rcle. | | | | | | ļ |
| Gem 500 SC | Trifloxystrobin (11) | 264-826 | 1.0 (dried pulp) 38 (oil) | 7 | NO | 12 | | | |
| | | | Fruit(group 10) | | | | | | |
| Other Use Requiremen | its: Do not apply more than 15.2 | fl oz/acre/season for all u | | nnlications | of Gem 500 SC or other | r MOA G | iroun 11 t | funaicide | s/season |
| Graduate | let be not apply more than rela | | 500 (oil) | ppiiodiioiio | | | Toup | Jangiolas | |
| MAX MP | Fludioxonil (12) | 100-969 100-1242 | Fruit (group 10) 10 | PH ⁸ | NO | 0 | - | | |
| Other Use Requiremen | ts: Do not make more than 2 ap | plications to citrus fruit. | | | | | | | |
| | Fludioxonil (12) | 100-1308 | F 500 (oil) Fruit (group 10) 10 A 20 (dried pulp) A 40 (oil) | PH ⁸ | NO | 0 | | | |
| Graduate A+ | Azoxystrobin (11) | | , , | | | | | | |
| Graduate A+ | Azoxystrobin (11) | | A fruit (group 10) 15 | | | | | | |
| | Azoxystrobin (11) uts: Do not make more than 2 ap | plications to citrus fruit. | A fruit (group | | | | | | |
| | , , , | plications to citrus fruit. | A fruit (group | | | | | | |
| Other Use Requiremen | , , , | plications to citrus fruit. 7969-289 | A fruit (group 10) 15 | 0 | NO | 12 | | | |
| Other Use Requirement Headline SC Other Use Requiremen | its: Do not make more than 2 ap | 7969-289 | A fruit (group 10) 15 12.5 (dried pulp) 9.0 (oil) Fruit (group 10) 2.0 | | | | t use mo | re than 2 | 2 sequentia |
| Other Use Requiremen Headline SC | Pyraclostrobin (11) | 7969-289 | A fruit (group 10) 15 12.5 (dried pulp) 9.0 (oil) Fruit (group 10) 2.0 | | | | t use mo | re than 2 | 2 sequentia |

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | | | EPCI | ₹ A- |
|--------------------------------------|--|---------------------------------------|---|-----------------|-------------------------------|-----------|-------------|-------|--|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ (I | | RQ _ |
| Generic Name | (FRAC MOA) ¹ | Number ² | (ppm) ³ | Harvest | Posting Required ⁴ | Hr | 1 | 2 | (lb ai) ⁷ |
| ONTINUED TABLE | | | | | | | | | |
| dar 2F | Fenbuconazole (3) | 62719-416 | 5.0 (dried pulp) 40 (oil) Fruit (group 10) 1.0 | 0 | NO | 12 | | | |
| ther Use Requirements | : No more than 3 applications/ | year; no more than 0.38 lb | (24 fl oz Indar) ai/acr | e/year; Mini | mum retreatment interv | al is 21 | days. | | |
| et-Ag | Peroxyacetic acid (NC) Hydrogen peroxide (NC) | 81803-6 | Exempt | 0 | YES | 4 | | | Acetic acid 73,529 |
| ther Use Requirements | : None | | | | | | | | |
| eyPlex 350 | Yeast extract hydrolysate from Saccharomyces cerevisiae | 73512-1 | Exempt | 0 | NO | 4 | | | |
| ther Use Requirements | : None | | | | | | | | |
| -Phite 7LP | mono + dipotassium salts (P07) of Phosphorous Acid | 73806-1 | Exempt | 0 | NO | 4 | | | |
| ther Use Requirements | : Do not apply at intervals less | than 3 days. | | | | | | | |
| nebacker WDG | Fosetyl-AL (P07) | 61842-9 | Fruit (group 10) 0.5 | 30 | NO | 12 | | | |
| her Use Requirements | : Do not exceed 4 applications | or 20 lb/acre/year. Do not | exceed 500 GPA for t | foliar applica | ations. | | | | |
| una Sensation | Trifloxystrobin (11) Fluopyram (7) | 264-1090 | T 1.0 (dried pulp) T 38 (oil) T Fruit(group 10) 0.6 F Fruit (group 10) 1.0 F 8.0 (oil) | 7 | NO | 12 | | | |
| ther Use Requirements | : Do not apply more than 27.1 | fl oz/acre/year. Do not ex | ceed more than 0.446 | bs fluopyr | am or 0.5 lb trifloxystro | bin per y | ear for all | uses. | |
| lagnate 500EC | , | | 200 (oil) | | | | | | |
| . 3 | Imazalil (3) | 66222-20 | 10 (PH fruit) 25 (dried pulp) | PH ⁸ | NA | NA | | | |
| ther Use Requirements | : Do not make more than 2 app | olications to citrus fruit | | | | | | | |
| efenoxam 2 AQ | Mefenoxam (4) | 66222-216 | Non-bearing | 12 months | NO | 48 | | | |
| ther Use Requirements | : Do not use in greenhouse cit | rus nursery stock intended | for commercial fruit p | roduction. | | | | | |
| lentor | Propiconazole (3) | 100-780 | 1000 (oil) Fruit (group 10) 8 | PH ⁸ | NO | 0 | | | |
| ther Use Requirements | : Postharvest use | | | | | | | | |
| letaStar 2E 4S | Metalaxyl (4) | 71532-5-91026 | 1.0 fruit, citrus 7.0 (oil) 7.0 (citrus pulp) | 0 | NO | 48 | - | | |
| ther Use Requirements | : Do not use in greenhouse cit | rus nursery stock. Do not a | apply more than 6 gal | l/acre/year. | | | | | |
| ilStop | Potassium bicarbonate (NC) | · · · · · · · · · · · · · · · · · · · | Exempt | 0 | NO | 1 | | | |
| ther Use Requirements | | | | | | | | | |
| ufarm Propiconazole PC 14.3 MEC | Propiconazole (3) | 228-623 | 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 24 | | | |
| ther Use Requirements | : Do not use more than 0.67 lb | ai or 24 fl oz. propiconazo | le/acre/season. | | | | | | |
| mni Brand Propicon- zole 41.8% EC | Propiconazole (3) | 38167-35-5905 | 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 12 | | | |
| ther Use Requirements | : Do not use more than 0.67 lb | ai or 24 fl oz. propiconazo | le/acre/season. | | | | | | |
| rondis | Oxathiapiprolin | 100-1571 | NA | 0 | NO | 4 | | | |
| ther Use Requirements | : Do not use in a nursery. Do n | ot apply sequentially more | than two soil applica | tions or one | foliar application | | | | |
| SO 5%SC | Polyoxin D zinc salt (19) | 68173-4-70051 | Exempt | 0 | NO | 4 | | | |
| ther Use Requirements | : None | | | | | | | | |
| xiDate 2.0 | Hydrogen dioxide (NC) Peroxyacetic acid (NC) | 70299-2 | Exempt | 0 | YES | 1 | 250,000 | | 5000(acetic acid) 500 (Per- oxyacetic |

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| Trade Name or Generic Name CONTINUED TABLE OxiPhos Other Use Requirements: PerCarb Other Use Requirements: Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex Other Use Requirements: | Sodium Carbonate Peroxyhydrate Do not apply through an irriga Polyoxin D zinc salt (19) | PA Registration Number ² 70299-22 70299-15 | Tolerance Fruit (ppm) ³ Exempt | Days to Harvest | Field Posting Required NO | REI Hr | TPQ (I | 2 | RQ (lb ai) |
|---|---|--|--|--------------------|---------------------------|-----------|-----------|-----------|---------------|
| OxiPhos Other Use Requirements: PerCarb Other Use Requirements: Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex | mono + dipotassium salts of Phosphorous Acid (P07) Hydrogen peroxide (NC) None Sodium Carbonate Peroxy- hydrate Do not apply through an irriga Polyoxin D zinc salt (19) | 70299-22 | | | | | | | (lb ai) |
| OxiPhos Other Use Requirements: PerCarb Other Use Requirements: Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex | Phosphorous Acid (P07) Hydrogen peroxide (NC) None Sodium Carbonate Peroxyhydrate Do not apply through an irriga Polyoxin D zinc salt (19) | 70299-15 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirements: PerCarb Other Use Requirements: Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex | Phosphorous Acid (P07) Hydrogen peroxide (NC) None Sodium Carbonate Peroxyhydrate Do not apply through an irriga Polyoxin D zinc salt (19) | 70299-15 | Exempt | 0 | NO | 4 | | | |
| PerCarb Other Use Requirements: Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex | Sodium Carbonate Peroxyhydrate Do not apply through an irriga Polyoxin D zinc salt (19) | | | | | | | | |
| Other Use Requirements: Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex | hydrate Do not apply through an irriga Polyoxin D zinc salt (19) | | | | | | | | |
| Ph-D fungicide Other Use Requirements: Phoenix Kestrel Mex | Polyoxin D zinc salt (19) | tion eyetom or directly to t | Exempt | 0 | NO | 0 | | | |
| Other Use Requirements: Phoenix Kestrel Mex | , , | tion system of directly to t | he soil. | | | | | | |
| Phoenix Kestrel Mex | None | 66330-56 | Exempt | 0 | NO | 4 | | | |
| Mex | | ı | | | | | | | |
| Other Use Requirements: | Propiconazole (3) | 66222-41-70506 | 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 12 | | | |
| | | | | | | | | | |
| Phoenix Vireo MEC | Metalaxyl (4) | 70506-275 | 1.0 fruit, citrus 7.0 (oil) | 12 months | NO | 48 | | | |
| Other Hee Beguirementer | Non hooring Do not avoord to | ho aquivalent 6 lb ai/aara | 7.0 (citrus pulp) | a producto | Do not apply more tha | n 240 lh | /ooro/voo | r Dono | t uso in |
| Otner Use Requirements: nurseries. | Non-bearing. Do not exceed to | ne equivalent o ib allacre (| oi ilictaiaxyi-containin | g products. | Do not apply more tha | 11 24U ID | racie/yea | וו טט וונ | t use III |
| Phostrol | Mono- + dibasic sodium, potassium and ammonium salts (P07) | 55146-83 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirements: | None | | | | | | | | |
| PPZ 41.8 Select | Propiconazole (3) | 89442-3 | 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 12 | | | - |
| | | | | | | | | | |
| Presidio Fungicide | Fluopicolide (43) | 59639-140 | 1.0 (oil) 0.03 (dried pulp) 0.01 fruit (group 10) | 30 | NO | 12 | | | |
| Other Use Requirements: | Do not make more than 1 app | lication or 12 fl. oz/acre/v | | | | | | | |
| Priaxor Xemium | Pyraclostrobin (11) | 7969-311 | P 12.5 (dried pulp) | 0 | NO | 12 | | | |
| Tidadi Adinidin | Fluxapyroxad (7) | 7300 011 | P 9.0 (oil) P fruit (group 10) 2.0 F 3.0 (dried pulp) F 40 (oil) F fruit (group 10) 1.0 | v | | 12 | | | |
| Other Use Requirements: | No more than 4 (44 oz) applic | cations/acre/year. | | | | | | | |
| Pristine | Pyraclostrobin (11) Boscalid (7) | 7969-199 | P 12.5 (dried pulp) P 9.0 (oil) P fruit (group 10) 2.0 B 4.5 (dried pulp) B 85.0 (oil) B fruit (group10) 2.0 | 0 | NO | 12 | | | |
| Other Use Requirements: | No more than 4 (74 oz) applic | cations/acre/year. | | | | | | | |
| Procon-Z | Propiconazole (3) | 34704-879 | Nonbearing 1000 (oil) Fruit (group 10) | 12 months | NO | 24 | | | |
| | | | 8.0 | | | | | | |
| Other Use Requirements: | Do not apply more than 0.67 I | b ai propiconazole/acre/se | eason. | | | | | | |
| ProPensity 1.3 ME | Propiconazole (3) | 60063-27 | Nonbearing 1000 (oil) Fruit (group 10) 8.0 | 12 months | NO | 24 | | | |
| Other Use Requirements: | Do not apply more than 0.67 I | b ai propiconazole/acre/se | | gal/acre/vea | ar. | | | | |
| Prophyt | Potassium phosphite (P07) | 42519-22-5905 | Excempt | 0 | NO | 4 | | | |

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | | | EPCF | |
|------------------------------|--|---|---------------------------------------|--------------|-------------------------------|-----|----------|----------|--------------------------------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ (| | RQ |
| Generic Name CONTINUED TABLE | (FRAC MOA) ¹ | Number ² | (ppm) ³ | Harvest | Posting Required ⁴ | Hr | 1 | 2 | (lb ai) ⁷ |
| Propi-Star EC | Propiconazole (3) | 42750-211 | Nonbearing | 12 | NO | 12 | | | 226 gal |
| ., | | | 1000 (oil) | months | | | | | |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requirements | : Do not apply more than 24 fl | oz (0.67 lb ai) Propi-Star E | C/acre/season. | | | | | | |
| Propicon 3.6 EC | Propiconazole (3) | 87290-7 | Nonbearing | 12 | NO | 12 | | | |
| | | | 1000 (oil) Fruit (group 10) | months | | | | | |
| | | | 8.0 | | | | | | |
| Other Use Requirements | : Do not apply more than 24 fl | oz (0.67 lb ai) Propicon 3.6 | 6 EC/acre/season. | ' | | | | | ' |
| Propiconazole 3.6 EC | Propiconazole (3) | 69361-40 | Nonbearing | 12 | NO | 12 | | | |
| | | | 1000 (oil) | months | | | | | |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requirements | : Do not apply more than 24 fl | oz (0.67 lb ai) Propiconazo | | n. | | | | | |
| Propiconazole 41.8 EC | Propiconazole (3) | 66330-428 | Nonbearing | 12 | NO | 24 | | | 100 |
| | | | 1000 (oil) | months | | | | | (Naphtha- |
| | | | Fruit (group 10) | | | | | | lene) |
| 0/1 11 5 | December 1 and 1 a | (0.07 ') David | 8.0 | | | | | | |
| | : Do not apply more than 24 fl | 1 | | 1 | NO | 40 | | | 400 |
| Propicure 3.6F | Propiconazole (3) | 83222-18 | Nonbearing 1000 (oil) | 12 months | NO | 12 | | | 100 (Naphtha- |
| | | | Fruit (group 10) | | | | | | lene) |
| | | | 8.0 | | | | | | |
| Other Use Requirements | : Do not apply more than 24 fl | oz (0.67 lb ai) product/acre | e/season. | | | | | | |
| Propiczone | Propiconazole (3) | 83529-22-91026 | Nonbearing | 12 | NO | 12 | | - | |
| | | | 1000 (oil) | months | | | | | |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requirements | : Do not apply more than 24 fl | oz (0.67 lb ai) product/acre | e/season. | 1 | | | | | |
| PropiMax EC | Propiconazole (3) | 62719-346 | Nonbearing | 12 | NO | 12 | | | |
| | | | 1000 (oil) | months | | | | | |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requirements | : Do not apply more than 24 fl | oz (0.67 lb ai) PropiMax E | | | | | | | |
| Pyrac 2EC | Pyraclostrobin (11) | 87290-64 | P 12.5 (dried pulp) | 0 | NO | 12 | | | 1463528.9 |
| • | | | P 9.0 (oil) | | | | | | |
| | | | P fruit (group | | | | | | |
| 011 11 12 11 11 | N | His a Notation and a second second | 10) 2.0 | | | | | | |
| • | No more than 54 fl. oz. (0.88 | 100-1178 | · · · · · · · · · · · · · · · · · · · | 1 | s. NO | 12 | I | | |
| Quilt | Azoxystrobin (11) Propiconazole (3) | 100-1176 | A fruit (group 10) 15.0 | 12 months | INO | 12 | | | |
| | 1 1001001102010 (0) | | A 20 (dried pulp) | | | | | | |
| | | | A 40 (oil) | | | | | | |
| | | | P Nonbearing | | | | | | |
| | | | P 1000 (oil) P Fruit (group 10 | | | | | | |
| | | |)15.0 | | | | | | |
| | : Do not apply more than 83.5 b Do not apply more than 1.5 lb | | | | | | ply more | than 1.5 | 5 lb ai |
| Rampart | Mono- and dipotassium salts of phosphorous acid (P07) | - | Exempt | 0 | NO | 4 | | | |
| Other Use Requirements | : Do not apply at intervals less | than 3 days. | | | | | | 1 | 1 |
| Regalia PTO | Reynoutria sachalinensis | 84059-3-87865 | Exempt | 0 | NO | 4 | | | _ |
| | extract (P05) | 0-1009-0-01000 | Lyembi | | INO | - | | | |
| Other Use Requirements | | 224424 | | | | | 1 | | |
| Reliant | Mono- and dipotassium salts of phosphorous acid (P07) | 83416-1 | Exempt | 0 | NO | 4 | | | 1000 potassium hydroxide |
| | | i contract of the contract of | | | | | | i . | ui onide |

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | _ | TDO / | EPCF | |
|------------------------------------|---|--|--|--------------|-------------------------------|-----|----------|---------------------|----------------------|
| Trade Name or | Common Name | EPA Registration Number ² | Tolerance Fruit | Days to | Field | REI | — | Ib ai) ⁶ | RQ |
| Generic Name | (FRAC MOA) ¹ | Number | (ppm) ³ | Harvest | Posting Required ⁴ | Hr | 1 | 2 | (lb ai) ⁷ |
| CONTINUED TABLE | December and (NO) | 00000 44 70054 | F | | VEO | 4 | T | T | 1 |
| Rendition | Peroxyacetic acid (NC) Hydrogen peroxide (NC) | 68660-14-70051 | Exempt | 0 | YES | 1 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Resist 57 | Mono- and dipotassium salts of phosphorous acid (P07) | 82940-1 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: Do not apply at intervals less | than 3 days. | | | | | | | |
| Reveille | Potassium phosphite (P07) | 42519-22-5905 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: No more than 3 applications. | ı | | | J | | | | |
| Revus | Mandipropamid (40) | 100-1254 | NA | 12 months | NO | 4 | | | |
| Other Use Requirement | s: Non-bearing. Do not apply mo | re than 32 fl oz (0.52 lb | ai) of product/acre/sea | son. | | | | | |
| Ridomil Gold GR | Mefenoxam (4) | 100-798 | 1.0 fruit, citrus 7.0 (oil) | 0 | NO | 48 | | | >14,000 |
| 01 11 5 : | December 2 days | 0.11 1/2 | 7.0 (citrus pulp) | D | | | D | | |
| | s: Do not exceed the equivalent | | | | - | _ | טס not נ | ise in nu | |
| Ridomil Gold SL | Mefenoxam (4) | 100-1202 | 1.0 fruit, citrus 7.0 (oil) 7.0 (citrus pulp) | 0 | NO | 48 | | | >3,500 ga |
| Other Use Requirement | s: Do not exceed the equivalent | 6 lb ai/acre of mefenoxa | m-containing products. | Do not use | e in nurseries. | | | | |
| Root Shield AG Granules | Trichoderma harzianum, Rifai strain T-22 (BM02) | 68539-4 68539-3 | Exempt | 0 | NO | 4 | | | - |
| Other Use Requirement | s: None. | | | | | | | | |
| Root Shield Plus Granules WP | Trichoderma harzianum Rifai strain T-22 (BM02) T. virens strain G-41 (BM02) | 68539-10 68539-9 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: None. | | | | | | | | |
| Root Shield WP | Trichoderma harzianum, Rifai strain KRL-AG2 (BM02) | 68539-7 | Exempt | 0 | NO | 0 | | | |
| Other Use Requirement | s: None. | , | | | | | ' | | |
| Satori | Azoxystrobin (11) | 34704-1068 | Fruit (group 10) 15.0 20 (dried pulp) 40 (oil) | 0 | NO | 4 | | | |
| Other Use Requirement | s: Do not apply more than 92.3 f | l oz/acre/season for all u | | ason. | | | | | |
| Serenade ASO MAX OPTI Soil | QST 713 strain of <i>Bacillus</i> subtilis (44) | 264-1152 264-1151 264-1160 264-1152 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Serifel Biofungicide | Bacillus amyloliquefaciens (44) | 71840-18 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | 1, , | | | l | | | | | |
| Sonata | Bacillus pumilis strain QST- 2808 (NC) | 264-1153 | Exempt | 0 | NO | 4 | | - | |
| Other Use Requirement | . , | | | | | | | | |
| Sporatec | Clove Oil; Rosemary Oil; Thyme Oil | Exempt | Exempt | 0 | NO | 0 | | | |
| Other Use Requirement | | 1 | | l. | | | 1 | | 1 |
| Strider | Propiconazole (3) | 228-623 | Nonbearing 1000 (oil) Fruit (group 10) 8 | 12 months | NO | 24 | | | |
| Other Use Requirement | s: Do not apply more than 5.4 ga | al (0.67 lb ai)/acre/seaso | | | | | | | |
| Subdue GR MAXX | Mefenoxam (4) | 100-794 100-796 | Nonbearing 1.0 fruit, citrus 7.0 (oil) 7.0 (citrus pulp) | 12 months | NO | 48 | | | |

Other Use Requirements: Non-bearing. Do not exceed the equivalent 6 lb ai/acre of mefenoxam-containing products. Do not use in greenhouse nurserystock intended for commercial use.

TABLE 5. Pesticides Registered for Use on Florida Citrus – Fungicides

| | | | | | | | | EPCI | RA⁵ |
|---|--|----------------------------------|--------------------------------|--------------|-------------------------------|----------|-------------|----------|--------------------------------|
| Trade Name or | Common Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ (I | | RQ |
| Generic Name | (FRAC MOA) ¹ | Number ² | (ppm) ³ | Harvest | Posting Required ⁴ | Hr | 1 | 2 | (lb ai) ⁷ |
| CONTINUED TABLE | | | | | | | | | |
| Tenet WP | Trichoderma asperellum (ICC 012) | 80289-9 | Exempt | 0 | NO | 1 | | | |
| | T. gamsii (ICC 080) | | | | | | | | |
| Other Use Requireme before or after use of the | ents: Not compatible with imaz nese products. | alil, dichloran, mancozeb, pr | ropiconazole, tenbucona | zole, thiram | ı, triflumizole. Do not ta | nk mix c | or apply Te | enet wit | hin 3 days |
| Tilt | Propiconazole (3) | 100-617 | Nonbearing 1000 (oil) | 12 months | NO | 12 | | | >1,000 ga |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requireme | nts: Do not apply more than 0 | 0.67 lb ai (24 fl oz/acre/seasc | on) of Tilt. | | | | | | |
| Tetraban | Azoyxstrobin (11) | 33270-32 | Fruit (group 10) 15.0 | 0 | NO | 4 | | | |
| | | | 20 (dried pulp) 40 (oil) | | | | | | |
| Other Use Requiremen | its: Do not apply more than 92 | .3 fl oz/acre/season for all us | ses or 1.5 lb ai/acre/sea | son. | | | | | |
| Tide Propiconazole | Propiconazole (3) | 84229-11 | Nonbearing | 12 | NO | 12 | | | |
| 41.8EC | | | 1000 (oil) | months | | | | | |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requireme | nts: Do not apply more than 2 | 4 fl oz (0.67 lb ai) PropiMax | EC/acre/season. | | | | | | |
| Tigris Azoxy 2 SC | Azoyxstrobin (11) | 92647-2 | Fruit (group 10) 15.0 | 0 | NO | 4 | 10,000 | | - |
| | | | 20 (dried pulp) 40 (oil) | | | | | | |
| Other Use Requireme | nts: Do not apply more than 9 | 2.3 fl oz/acre/season for all | uses or 1.5 lb ai/acre/se | ason. | | | | | |
| Topaz | Propiconazole (3) | 42750-211-1381 | Nonbearing 1000 (oil) | 12 months | NO | 12 | | | 226 gal |
| | | | Fruit (group 10) 8.0 | | | | | | |
| Other Use Requireme | nts: Do not apply more than 2 | 4 fl oz (0.67 lb ai) PropiMax | EC/acre/season. | | | | | | |
| Trilogy | Neem oil extract (IRAC 18) (NC) | 70051-2 | Exempt | 0 | NO | 4 | | | |
| Other Use Requireme | nts: Do not apply while bees a | are actively foraging. Do not | apply within 5 days of a | sulfur appli | cation. | | | | |
| Ultra Flourish | Mefenoxam (4) | 55146-73 | 1.0 fruit, citrus 7.0 (oil) | 0 | NO | 48 | | | 100 lb. (Naph- |
| | | | 7.0 (citrus pulp) | | | | | | thalene) 5000 lb. Cumene |
| Other Use Requireme | nts: Do not exceed the equiva | alent 6 lb ai/acre (24 pints) of | f mefenoxam-containing | products. N | lo more than 3 applicat | ions/sea | ason. | | |
| Velum Prime | Fluopyram (7) | 55146-73 | fruit, (group 10) 8.0 (oil) | 7 | NO | 12 | | | |

Other Use Requirements: Do not exceed the equivalent 0.446 lb ai/acre (13.7 fl. oz.) of fluopyram-containing products. Apply via chemigation.

¹ Mode of action class for citrus pesticides from the Insecticide, Fungicide, and Herbicide Resistance Action Committees. Refer to ENY-624, Pesticide Resistance and Resistance Management, in the 2018-19 Florida Citrus Production Guide for more details.

²Extracted from product labels, Code of Federal Regulations and other federal and state regulations.

 $^{^{\}rm 3}$ A letter before the number indicates to which common name the tolerance refers.

⁴ Read product label for specific use precautions, especially Worker Protection Standards and environmental concerns.

⁵ Emergency Planning and Community Right-To-Know Act. Information presented here is not intended to take the place of the actual regulation. Call the State Emergency Response Commission 1-800-635-7179 for additional details.

⁶ Threshold Planning Quantity. If the grower meets or exceeds this amount, notification must be made. Placard vehicle not a facility. (1 = active ingredient is a gas, is molten, in solution of or is a fine powder; 2 = is a granular or other larger particle form)

⁷ The amount of active ingredient that when spilled or released requires reporting to authorities within a 15-minute time frame. Should be reported by telephone to 850-413-9919 or 800-320-0519.

⁸ NA = not available.

⁹ SL = See Label for use restrictions.

¹⁰ Post Harvest use only.

TABLE 6. Pesticides Registered for Use on Florida Citrus – Herbicides

| | | | | | | | | EPCR | |
|---|---|---|-----------------------|--------------------|--|-------------|-------------|--------------|---------------|
| Trade Name or Generic Name | Common Name (HRAC MOA) ⁸ | EPA Registration Number ¹ | Tolerance Fruit (ppm) | Days to Harvest | Field Posting Required ² | REI Hr | TPQ (| lb ai)⁴ 2 | RQ (lb ai) |
| Aim EC | Carfentrazone-ethyl (E) | 279-3241 | 0.1 | 3 | NO | 12 | | | |
| Other Use Requirements | | 2.0 02.1 | 0 | | | | 1 | 1 | |
| Alion | Indaziflam | 264-1106 | 0.01 | 7 | NO | 12 | | | |
| | | 1; for application in citrus grove | | | - | 12 | | | |
| Broadworks | mesotrione | 100-1131 | 0.01 | 30 | NO | 12 | | | |
| | | t the first application. Do not e | | | | | oriod Alle | | -+ E mant |
| | | s between applications of 6 fl | | | | попш р | eriod. Alic | ow at leas | St 5 mont |
| Bromacil | Bromacil | | 0.1 | 0 | NO | 12 | | | |
| Hyvar X | Bromacil (C1) | 352-287 | | | | | | | |
| Other Use Requirement | s: See Best Management P | ractice guidelines. | | | | | | | |
| Bromacil + Diuron | Bromacil + Diuron | | 0.1, 1 | 0 | NO | 12 | | | |
| Krovar I DF | (C1, C2) | 352-505 | | | | | | | |
| Other Use Requirements | s: See Best Management P | ractice guidelines. | | | | | | | |
| Chateau SW | Flumioxazin | 59639-99 | 0.02 | 3 | NO | 12 | | | |
| Other Use Requirement | s: | ' | ' | | | | | | |
| Diuron | Diuron (C2) | | NA ⁷ | 0 | NO | 12 | 100 | | |
| Direx 4L | | 66222-54 | | | | | | | |
| | | | | | | | | | |
| Diuron 4L | | 19713-36 (Drexel) | | | | | | | |
| Diuron 4L | | 9779-329 | | | | | | | |
| D: # | | (Winfield Solutions LLC) | | | | | | | |
| Diuron 4L | | 66222-54 (Mana) | | | | | | | |
| Diuron 4L | | 34704-854 (Loveland) | | | | | | | |
| Diuron 80 | | 352-692 | | | | | | | |
| Diuron 80 | | 19713-274 (Drexel) | | | | | | | |
| Diuron 80DF | | 9779-318 (Agrisolutions) | | | | | | | |
| Diuron 80DF | | 66222-51 (Mana) | | | | | | | |
| Diuron 80 WDG | | 34704-648 | | | | | | | |
| Karmex DF | | 66222-51 | | | | | | | |
| Other Use Requirement | s: None | · | | | | | | | |
| Fusilade DX | Fluazifop-P-butyl (A) | 100-1070 | | 14 days | NO | 12 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Glyphosate | Glyphosate (G) | | 0.5 | 1 | NO | 4 to | | | |
| 71 | 7, | | | | | 12* | | | |
| Buccaneer | | 55467-10 | | | | | | | |
| | | ==+0= 0 | | | | | | | |
| Buccaneer Plus | | 55467-9 | | | | | | | |
| | | | | | | 4 to | | | |
| | | 71368-65 | | | | 4 to 12* | | | |
| Credit Extra | | | | | | | | | |
| Credit Extra Durango | | 71368-65 | | | | | | | |
| Credit Extra Durango Durango DMA | | 71368-65 62719-517 62719-556 | | | | | | | |
| Credit Extra Durango Durango DMA Glyphomax | | 71368-65 62719-517 62719-556 62719-323 | | | | | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus | | 71368-65 62719-517 62719-556 62719-323 62719-322 | | | | | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 | | | | | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 | | | | | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-445 34704-889 34704-890 524-517 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech | | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech | s: None *See labels for RE | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 | | | | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech Other Use Requirements | s: None *See labels for RE Oxyfluorfen (E) | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 | Nonbearing | 12 months | NO | 12* | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech Other Use Requirements Goal | Oxyfluorfen (E) | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 details. | Nonbearing | | NO | 4 | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech Other Use Requirements Goal | Oxyfluorfen (E) s: None Glyphosate + 2,4-D | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 details. (2.0 E) 62719-424 | Nonbearing 5 | | NO | 4 | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech Other Use Requirement: Goal Other Use Requirement: Landmaster II | Oxyfluorfen (E) s: None Glyphosate + 2,4-D (G, O) | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 details. (2.0 E) 62719-424 SLN FL 00-0004 524-376 | 5 | months | | 4 24 | | | |
| Goal Other Use Requirement Landmaster II Other Use Requirement | Oxyfluorfen (E) s: None Glyphosate + 2,4-D (G, O) s: See Florida State Statute | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 details. (2.0 E) 62719-424 SLN FL 00-0004 524-376 SE-2.033 and supplemental I | 5 abeling. | months 7 | NO | 4 24 48 | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech Other Use Requirement: Goal Other Use Requirement: Landmaster II Other Use Requirement: Matrix | Oxyfluorfen (E) s: None Glyphosate + 2,4-D (G, O) | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 details. (2.0 E) 62719-424 SLN FL 00-0004 524-376 SE-2.033 and supplemental I | 5 | months | | 4 24 | | | |
| Credit Extra Durango Durango DMA Glyphomax Glyphomax Plus Honcho Honcho Plus Mad Dog Mad Dog Plus Ranger Pro Roundup PowerMax Roundup WeatherMax Touchdown HiTech Other Use Requirement: Landmaster II Other Use Requirement: | Oxyfluorfen (E) s: None Glyphosate + 2,4-D (G, O) s: See Florida State Statute | 71368-65 62719-517 62719-556 62719-323 62719-322 524-445 524-454 34704-889 34704-890 524-517 524-549 524-537 100-1182 details. (2.0 E) 62719-424 SLN FL 00-0004 524-376 SE-2.033 and supplemental I | 5 abeling. | months 7 | NO | 4 24 48 | | | |

TABLE 6. Pesticides Registered for Use on Florida Citrus – Herbicides

| | | | | | | | | EPCR/ | A ³ |
|---------------------------------------|------------------------|---------------------|-------------------|-----------------|-------------------------------|-------|-----|----------------------|-----------------------|
| Trade Name or C | ommon Name | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ | (lb ai) ⁴ | RQ |
| Generic Name (H | HRAC MOA)8 | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai)⁵ |
| CONTINUED TABLE | | | | | | | | | |
| Paraquat dichloride P | araquat dichloride (D) | | | | | | | | |
| Gramoxone Inteon | | 100-1217 | 0.05N | 1 | NO | 24 | 10 | 10,000 | 1 |
| Other Use Requirements: R | RESTRICTED PESTICID | E.6 | | | | | | | |
| Pendimethalin P | endimethalin (K1) | | | | | | | | |
| Prowl H ₂ O | | 241-418 | | 1 day | NO | 24 | | | |
| Other Use Requirements: N | Vone | · | · | | | | | | |
| Poast Plus S | ethoxydim (A) | 7969-88 | 0.5 | 15 | NO | 12 | | | |
| Other Use Requirements: N | None | | | | | | | | |
| Remedy Ultra Ti | riclopyr (O) | 62719-552 | NA | NA | NO | Until | | | |
| | | SLN FL 080004 | | | | dry | | | |
| Rely 280 G | Slufosinate ammonium | 264-829 | 0.15 | 14 | NO | 12 | | | |
| Other Use Requirements: N | None | | <u> </u> | | | | | | |
| Simazine S | imazine (C1) | | Grapefruit - 0.25 | NA ⁷ | NO | 12 | | | |
| Princep Caliber 90 | | 100-603 | Oranges - 0.25 | | | | | | |
| Princep 4L | | 100-526 | | | | | | | |
| Simazine 4L | | 19713-60 | | | | | | | |
| Simazine 4L | | 9779-296 | | | | | | | |
| Simazine 4L | | 19713-60 | | | | | | | |
| Simazine 4L | | 34704-687 | | | | | | | |
| Simazine 90DF | | 19713-252 | | | | | | | |
| Simazine 90DF | | 100-603-33270 | | | | | | | |
| Simazine 90DF | | 9779-295 | | | | | | | |
| Simazine 90DF | | 19713-252 | | | | | | | |
| Simazine 90WDG | | 34704-686 | | | | | | | |
| Sim-Trol 90DF | | 35915-12-60063 | | | | | | | |
| Other Use Requirements: N | Vone | | | | 1 | | | | |
| · · · · · · · · · · · · · · · · · · · | lorflurazon (F1) | 100-849 | 0.2 | 30 | NO | 12 | | | |
| Other Use Requirements: N | None | | | | 1 | | | | |
| | Oryzalin (K1) | (AS) 70506-43 | 0.05 | | NO | 24 | | | |
| Oryzalin 4 A.S. | , , , | 66222-138 | | | | | | | |
| Other Use Requirements: N | None | <u> </u> | | | | | | | |
| | aflufenacil | 7969-276 | 0.03 | 1 | NO | 12 | | | |
| Other Use Requirements: N | | | | 1 | | l. | | | |
| · . | rifluralin (K1) | 62719-250 | 0.05 | | NO | 12 | 10 | 10,000 | 10 |
| Other Use Requirements: N | . , | | | | 1 | | | | |

Other Use Requirements: None

¹ Extracted from product labels, Code of Federal Regulations and other federal and state regulations.

² Read product label for specific use precautions, especially Worker Protection Standards and environmental concerns.

³ Emergency Planning and Community Right-To-Know Act. Information presented here is not intended to take the place of the actual regulation. Call the State Emergency Response Commission 1-800-635-7179 for additional details.

⁴ Threshold Planning Quantity. If the grower meets or exceeds this amount, notification must be made. Placard vehicle not a facility. (1 = active ingredient is a gas, is molten, in solution of or is a fine powder; 2 = is a granular or other larger particle form)

⁵ The amount of active ingredient that when spilled or released requires reporting to authorities with a 15 minute time frame. Should be reported by telephone to 850-413-9919 or 800-320-0519.

⁶ A certification license is required to purchase and apply or must be under the supervision of a licensee and only for those uses covered by the certified applicator's certification.

⁷ NA = not available.

⁸ Mode of action class for citrus pesticides from the Insecticide, Fungicide, and Herbicide Resistance Action Committees. Refer to ENY-624, Pesticide Resistance and Resistance Management, in the 2018-19 Florida Citrus Production Guide for more details.

TABLE 7. Pesticides Registered for Use on Florida Citrus – Plant Growth Regulators and Other Products

| | | | | | | | | CRA ³ | |
|--|---|---|-----------------|-----------------|-------------------------------|-----------|---|----------------------|---------|
| Trade Name or | Common Name (Active | EPA Registration | Tolerance Fruit | Days to | Field | REI | | (lb ai) ⁴ | RQ |
| Generic Name | Ingredients) 2,4-Dichlorophenoxyacetic | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai) |
| Citrus Fix | acid | 5481-145 | 3 | 7 | NO | 12 | | | |
| Other Use Requirement | s: RESTRICTED PESTICIDE. | 6 | | | | | | | |
| Ascend | Cytokinin + Gibberellic Acid + Indole-3-butyric Acid | 9779-335 (SL)1381-253 (WSG)1381-254 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | s: None | () | | | I | l | | | |
| Cytokin Bioregulator Concentrate | Cytokinin | 90930-3 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | s: None | | · | | , | | | | |
| Cytoplex HMS | Cytokinin + Gibberellic Acid + Indole-3-butyric Acid | 90930-6 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | s: None | | | | | , | | | |
| Drexel Sprout-Stop | Potassium Salt of maleic hydrazide | 19713-2 | Nonbearing | | NO | 12 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Falgro | Gibberellic Acid | (20SP) 62097-3-82917 (4L) 62097-2-82917 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Gib Gro | Gibberellic acid | (4 LS) 55146-62 (20%) 55146-53 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Hivol-44 | 2,4-Dichlorophenoxyacetic acid | 5481-509 | 3 | 7 | NO | 12 | | | |
| Other Use Requirement | 1 | | | | | | | | |
| Homobrassinolide | Homobrassinolide | 69361-49 | Exempt | 15 | NO | 4 | | | |
| Other Use Requirement | 1 | | | 1 | I | | | | |
| Hormodin 3 | Indole-3-butyric Acid | 59807-3 | Propagation | | | | | | |
| Other Use Requirement nLine Soil Fumigant | s: None Trans 1,3-dichloropropene + chloropicrin | 62719-348 | Replant | NA ⁸ | YES | 5 days | 0 | 10,000 | 0 |
| Other Use Requirement | s: SL. ⁷ See label for geographi | c restrictions in Florida | | | | uays | | | |
| KickStand PGR | Indole-3-butyric Acid | 5905-540 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | • | | | | | | | | |
| K Salt Fruit Fix 200 | 1-Naphthaleneacetic acid | 5481-414 | 0.1 | 150 | NO | 24 | | | |
| Other Use Requirement | <u> </u> | 1 | | | | l | | | |
| N-Large | Gibberellic Acid | 57538-18 | Exempt | 7 | NO | 12 | | | |
| Other Use Requirement | s: None | J | | | ı | | | | |
| PGR IV | Gibberellic Acid + Indole- 3-butyric Acid | 51036-260 | Nonbearing | | NO | 4 | | | |
| Other Use Requirement | | | | | | | | | |
| Petroleum Oil | FC-412-66 FC-435-66 FC-455-88 470 oil | See Table 3 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: See Sulfur. | | | | | | | | |
| ProGibb | Gibberellic acid | (4%) 73049-15 (40%) 73049-1 (LV)73049-498 | Exempt | 0 | NO | 4 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Radiate | Cytokinin + Indole-3-bu- tyric Acid | 34704-909 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | s: None | | | | | | | | |
| Receptor | Cytokinin + Gibberellic Acid + Indole-3-butyric Acid | 5905-594 | Exempt | NA | NO | 4 | | | |
| Other Use Requirement | | | | | 1 | | | | |
| Rhizopon AA #3 Other Use Requirement | Indole-3-butyric Acid s: None | 63310-21 | Propagation | | NO | 0 | | | |
| Stimplex | Cytokinin | 75287-3 | Exempt | 0 | NO | 4 | | | |

TABLE 7. Pesticides Registered for Use on Florida Citrus – Plant Growth Regulators and Other Products

| | | | | | | | EP | CRA ³ | |
|--------------------------|--|--|-----------------|-----------------|-------------------------------|-----------|-----|----------------------|---------|
| Trade Name or | Common Name (Active | EPA Registration | Tolerance Fruit | Days to | Field | REI | TPQ | (lb ai) ⁴ | RQ |
| Generic Name | Ingredients) | Number ¹ | (ppm) | Harvest | Posting Required ² | Hr | 1 | 2 | (lb ai) |
| Other Use Requirements | s: None | | · | | | , | | | |
| CONTINUED TABLE | | | | | | | | | |
| Stimulate Power | Cytokinin + Gibberellic Acid | 57538-38 | Exempt | NA | NO | 4 | | | |
| Other Use Requirements | s: None | | | | | | | | |
| Stimulate Yield Enhancer | Cytokinin + Gibberellic Acid + Indole-3-butyric Acid | 57538-13 | Exempt | NA | NO | 4 | | | |
| Other Use Requirements | s: None | | | | | | | | |
| Stimulate Fruit Thinner | Cytokinin + Gibberellic Acid | 57538-36 | Exempt | NA | NO | 4 | | | |
| Other Use Requirements | s: None | | | | | , | | | |
| Telone | Trans 1,3-dichloropropene (II, EC) or plus chloropicrin (C17, C35) | (II) 62719-32 (EC) 62719-321 (C17) 62719-12 (C35) 62719-302 | Replant | NA ⁸ | YES | 5 days | 0 | 10,000 | 100 |
| Other Use Requirements | s: SL.7 See label for geograph | ic restrictions in Florida. | | | | | | | |
| Validate | Cytokinin | 34704-910 | Exempt | 40 | NO | 4 | | | |
| Other Use Requirements | s: None | | | | | | | | |
| X-Cyte | Cytokinin | 57538-15 | Exempt | NA | NO | 4 | | | |
| Other Use Requirements | s: None | | | | | | | | |
| Vapam HL | Metam-sodium (SMCD) | 5481-468 | Replant | NA ⁸ | YES | 48 | 0 | 10,000 | 0 |

Other Use Requirements: SL7

¹ Extracted from product labels, Code of Federal Regulations and other federal and state regulations.

² Read product label for specific use precautions, especially Worker Protection Standards and environmental concerns.

³ Emergency Planning and Community Right-To-Know Act. Information presented here is not intended to take the place of the actual regulation. Call the State Emergency Response Commission 1-800-635-7179 for additional details.

⁴ Threshold Planning Quantity. If the grower meets or exceeds this amount, notification must be made. Placard vehicle not a facility. (1 = active ingredient is a gas, is molten, in solution of or is a fine powder; 2 = is a granular or other larger particle form)

⁵ The amount of active ingredient that when spilled or released requires reporting to authorities with a 15 minute time frame. Should be reported by telephone to 850-413-9919 or 800-320-0519.

⁶ A certification license is required to purchase and apply or must be under the supervision of a licensee and only for those uses covered by the certified applicator's certification.

 $^{^{7}}$ SL = See Label for use restrictions.

⁸ NA = Not available.

⁹ Post Harvest use only.