

2022–2023 Florida Citrus Production Guide: Pesticides Registered for Use on Florida Citrus¹

Lauren M. Diepenbrock, Megan M. Dewdney, Tripti Vashisth, and Ramdas Kanissery²

The following are lists of products that 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 nematocides, (2) fungicides, (3) herbicides, and (4) other products such as plant growth regulators and fumigants.

READ THE LABEL.

1. This document is ENY-601, one of a series of the Entomology and Nematology Department, UF/IFAS Extension. Original publication date October 1999. Revised annually. Most recent revision May 2022. Visit the EDIS website at <https://edis.ifas.ufl.edu> for the currently supported version of this publication.
2. Lauren M. Diepenbrock, assistant professor, Entomology and Nematology Department; Megan M. Dewdney, associate professor, Plant Pathology Department; Tripti Vashisth, assistant professor, Horticultural Sciences Department, UF/IFAS Citrus Research and Education Center; and Ramdas Kanissery, assistant professor, Horticultural Sciences Department, UF/IFAS Southwest Florida REC; UF/IFAS Extension, Gainesville, FL 32611.

The use of trade names in this publication is solely for the purpose of providing specific information. UF/IFAS does not guarantee or warranty the products named, and references to them in this publication do not signify our approval to the exclusion of other products of suitable composition.

All chemicals should be used in accordance with directions on the manufacturer's label.

Use pesticides safely. Read and follow directions on the manufacturer's label.

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. For more information on obtaining other UF/IFAS Extension publications, contact your county's UF/IFAS Extension office. U.S. Department of Agriculture, UF/IFAS Extension Service, University of Florida, IFAS, Florida A & M University Cooperative Extension Program, and Boards of County Commissioners Cooperating. Andra Johnson, dean for UF/IFAS Extension.

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

Trade Name	Common Name	Cu (%) ¹	EPA Reg. No.	Evaluated for: ²				
				Melanose	Greasy Spot	Alternaria	Scab	Canker
Americop 40 DF	copper hydroxide	40	35484-4	X	X	ND	ND	X
Badge SC	copper oxychloride + copper hydroxide	20	80289-3-10163	X	X	X	ND	X
Badge X ₂	copper oxychloride + copper hydroxide	28.2	80289-12-10163	ND	ND	ND	ND	X
Champ DP	copper hydroxide	37.5	55146-57	X	X	X	X	X
Champ Formula 2 Flowable	copper hydroxide	24.4	55146-64	X	X	ND	X	ND
Champ WG	copper hydroxide	50	55146-1	X	ND	ND	ND	X
Champion++	copper hydroxide	30	55146-115	ND	ND	ND	ND	ND
C-O-C-S WDG	copper oxychloride + basic copper sulfate	51.25	34704-326	ND	ND	ND	ND	ND
Copper-Count-N	copper diammonia diacetate complex	8	10465-3	X	ND	X	ND	ND
Copper Sulfate Crystals	copper sulfate pentahydrate	25.1	56576-1	ND	ND	ND	ND	ND
Cueva	copper octanoate	1.8	67702-2-70051	ND	ND	ND	ND	ND
Cuprofix Ultra 40 Disperss	basic copper sulfate	40	70506-201	X	X	ND	ND	X
Cuproxat FL	basic copper sulfate	15.2	55146-151	ND	ND	ND	ND	ND
Cuproxat Flowable	basic copper sulfate	15.2	35935-3	ND	ND	ND	ND	ND
Instill	copper sulfate pentahydrate	5.4	49538-5-92632	ND	ND	ND	ND	ND
Kalmor	copper hydroxide	30	91411-11-59807	ND	ND	ND	ND	ND
Kentan DF	copper hydroxide	40	80289-2	X	ND	X	ND	X
Kocide 2000	copper hydroxide	35	352-656	X	X	X	X	X
Kocide 3000	copper hydroxide	30	352-662	X	X	X	X	X
Kocide 2000-O	copper hydroxide	35	91411-10-70051	ND	ND	ND	ND	ND
Kocide 3000-O	copper hydroxide	30	91411-11-70051	ND	ND	ND	ND	ND
Kocide HCu	copper hydroxide	50.1	91411-12-70051	ND	ND	ND	ND	ND
KOP-Hydroxide	copper hydroxide	24.4	19713-301	ND	ND	ND	ND	ND
KOP-Hydroxide 5	copper sulfate pentahydrate	5	19713-695	ND	ND	ND	ND	ND
Magna-Bon CS 2005	copper sulfate pentahydrate	5.0	66675-3	ND	ND	ND	ND	X
MasterCop	copper sulfate pentahydrate	5.4	55272-18-66222	ND	ND	ND	ND	X
Nordox 30/30 WG	cuprous oxide	30	48142-7	ND	ND	ND	ND	X
Nordox 75 WG	cuprous oxide	75	48142-4	ND	ND	ND	ND	X
Nu-Cop HB	copper hydroxide	50	42750-132	X	X	ND	ND	ND
Nu-Cop 30 HB	copper hydroxide	30	42750-281	ND	ND	ND	ND	ND
Nu-Cop 50 WP	copper hydroxide	50	45002-7	ND	ND	ND	ND	X
Previsto	copper hydroxide	3.3	10163-330	ND	ND	ND	ND	ND

Trade Name	Common Name	Cu (%) ¹	EPA Reg. No.	Evaluated for: ²				
				Melanose	Greasy Spot	Alternaria	Scab	Canker
Quimag Copper Sulfate Crystals	copper sulfate pentahydrate	25.2	73385-1	ND	ND	ND	ND	ND
Top-Cop with Sulfur	basic copper sulfate + sulfur	4.7	57538-6	ND	ND	ND	ND	ND

¹ Percentage of metallic copper.

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.

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

Trade Name and Formulation	Common Name	% Sulfur	EPA Reg. No.	Registered ¹ for Use on		Efficacy ²	
				Citrus Rust Mite	Broad Mite	Citrus Rust Mite	Broad Mite
Acoidal	sulfur	80%	62562-4	X	X	ID	ID
Auron DF	sulfur	80%	62562-4-94100	X	X	ID	ID
Brandt Lime Sulfur	calcium polysulfide	29%	61842-30-48813	X	-	ID	ID
Citrusperse Sulfur	sulfur	90%	5905-350	X	-	ID	ID
Cosavet DF	sulfur	80%	70905-1	X	-	ID	ID
Crusade DF	sulfur	80%	62562-8-71058	X	X	ID	ID
Dusting Sulfur	sulfur	98%	2935-48	X	-	ID	ID
Golden Micronized Sulfur	sulfur	92%	2935-407	X	-	ID	ID
Kumuluf DF	sulfur	80%	51036-352-2935	X	X	+	+
Lime-Sulfur Solution	calcium polysulfide	29%	61842-30-90930	X	-	ID	ID
Lime Sulfur ULTRA	calcium polysulfide	27%	71096-11	X	-	ID	ID
Liquid Sulfur Six	sulfur	52%	5905-437	X	-	ID	ID
Microfine Sulfur	sulfur	90%	6325-13-34704	X	-	ID	ID
Micro Sulf	(micronized) sulfur	80%	55146-75	X	X	ID	ID
Microthiol Disperss	(micronized) sulfur	80%	70506-187	X	X	+	+
Sulforix	calcium polysulfide	27.5%	61842-31-90930	X	-	ID	ID
Sulfur 80 WDG	sulfur	80%	19713-674	X	X	ID	ID
Sulfur Dry Flowable	sulfur	80%	62562-4-2935	X	X	ID	ID
Super Six	sulfur	52%	65343-1	X	-	ID	ID
Thiolux	(micronized) sulfur	80%	34704-1079	X	-	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 + indicates product is effective; ID indicates incomplete data available; sulfurs are generally effective for false spider mites and ineffective for spider mites, while efficacy data on pink citrus rust mites are incomplete.

Table 3. Spray oils registered for use on Florida citrus.

Company	Trade Name	Midpoint Boiling Range	EPA No. ¹	Efficacy ²	
				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°F ³	55206-4	ID	ID
Calumet	Orchex 692	412.7°F	75652-2	ID	ID
Calumet	Orchex 796	436°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
Wilbur-Ellis	440 Superior Spray Oil	440°F	2935-546	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.

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.

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Abamectin Products	Abamectin (6)		0.02	7	NO	12	-	10,000	-
Abacus Abacus V Abacus V6		83100-4-83979							
Abamectin E-AG 0.15 EC		79676-58							
Abamex		228-734							
ABBA 0.15		66222-191							
ABBA 0.15EC		66222-139							
ABBA Ultra		66222-226							
Abba Ultra		5481-621							
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees. ⁹ Limit of 3 applications of abamectin per growing season. Do not apply more than 40 fl oz/ac (0.047 lb a.i./ac) of any abamectin product in a growing season.									
Acephrin	Acephate (1B) Bifenthrin (3A)	70506-339	Nonbearing	NA	NO	24			
Other Use Requirements: Do not harvest citrus for one year after treatment. Spray with 100–200 gallons of water per acre.									
Acephate products	Acephate (1B)		Nonbearing	12 months	NO	24		10,000	
Acephate 75		70506-1-55467					-		-
Acephate 75 WSP		70506-1							
Acephate 90 Prill		89442-40, 66222-123, 53883-253							
Acephate 90 SP		51036-238							
Acephate 90 WDG		34704-1051							
Acephate 90 WSP		34704-862							
Acephate 97		70506-8-55467							
Acephate 97 UP		70506-8							
Acephate 97 WDG		66222-266							
Other Use Requirements: Do not harvest citrus for one year after treatment. Minimum 3 days spray interval for up to 0.5 lb a.i./ac and 7 days for rates greater than 0.5 lb a.i./ac.									
Acetamiprid 30 SG 70 WP	Acetamiprid (4A)	91234-14-5905 91234-15-5905	1	7	NO	12	-	-	-
Other Use Requirements: Maximum of 5 applications. Limit to 0.55 lb a.i. or 29.3 oz of product per acre per crop.									
Acramite-50WS	Bifenazate (UN)	400-503	Nonbearing	12 months	NO	12	-	-	-
Other Use Requirements: One application per year.									
Acronyx	Imidacloprid (4A)	91234-139	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 14 oz per acre per season (0.5 lb a.i./ac/year).									
Actara 25 WG	Thiamethoxam (4A)	100-938	0.4	0	NO	12	-	-	-
Other Use Requirements: Do not exceed a total of 11.0 oz/ac (0.172 lb a.i./ac) of Actara or 0.172 lb a.i. of thiamethoxam-containing products per acre per growing season. Do not apply during prebloom or during bloom when bees are actively foraging.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Admire Pro	Imidacloprid (4A)	264-827	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 14 oz per acre per season (0.5 lb a.i./ac/year). SLN FL-120008, permits up to 1.0 lb a.i. per acre per 12 months when applied as a soil drench. See SLN label for specific details.									
Advise 4 Advise Four Insecticide	Imidacloprid (4A)	1381-219, 228-528-1381	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 32 oz/acre/year (0.5 lb a.i./ac/year).									
Agri-Flex miticide/ insecticide	Abamectin (6) Thiamethoxam (4A)	100-1350	0.02 0.4	7	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE PESTICIDE. ⁸ Toxic to fish, mammals, and aquatic organisms. Do not apply during prebloom or during bloom when bees are actively foraging. To avoid illegal residues, Agri-Flex must be mixed with a minimum of 0.20% oil. Do not apply more than 17 fl oz/ac of Agri-Flex or more than 0.047 lb a.i./ac of any foliar-applied abamectin product or more than 0.172 lb a.i./ac of any foliar-applied thiamethoxam product per growing season. Do not make more than 3 applications of Agri-Flex or other foliar-applied abamectin-containing product per growing season. Refer to product label for additional use requirements.									
Agri-mek SC	Abamectin (6)	100-1351	0.02	7	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees. ⁹ Limit of 3 applications of abamectin per growing season. Do not apply more than 8.5 fl oz/ac of Agri-mek SC or 0.047 lb a.i./ac of any abamectin-containing product per growing season.									
Alias 2F	Imidacloprid (4A)	66222-203	0.07	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 32 oz per acre per season (0.5 lb a.i./ac/year).									
Alias 4F	Imidacloprid (4A)	66222-156	0.07	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 16 oz per acre per season (0.5 lb a.i./ac/year).									
Altacor	Chlorantraniliprole (28)	279-9607	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz of Altacor or 0.2 lb a.i. of chlorantraniliprole-containing product per acre per crop season.									
Altrevin Fire Ant Bait	Metaflumizone (22B)	7969-270	3 ppm fruit 10 ppm oil	5	NO	12	-	-	-
Other Use Requirements: Do not apply more than 6 lb per acre per season. Do not apply more than 4 times per season.									
Altus	Flupyradifurone (4D)	432-1575	3	1	NO	12	-	-	-
Other Use Requirements: Do not apply more than 28 fl oz per acre per season. Toxic to aquatic organisms and bees.									
Amdro	Hydramethylnon (20A)	241-322	NA	0	NO	12	-	-	-
Other Use Requirements: Toxic to fish.									
Anarchy 30 SG	Acetamiprid (4A)	34704-1096	0.5	7	NO	12	-	-	-
Other Use Requirements: Toxic to fish.									
Apta	Tolfenpyrad (21A)	71711-36	1.5	3	NO	12	-	-	-
Other Use Requirements: Do not apply more than 27.0 fl oz per acre per growing season. Do not make more than 2 applications per year. Do not apply by air.									
Aramite	Cinnamon (UNK) Clove oil (UNK)	exempt	NA	0	NO	0	-	-	-
ArVida 30 SG	Imidacloprid (4A)	9123-14	0.07	7	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates, bees, and birds. Maximum of 5 applications per season. Maximum of 29.3 oz of product per acre per season.									
Assail 30SG	Acetamiprid (4A)	8033-36-70506	0.5	7	NO	12	-	-	-
Other Use Requirements: Limit to 5 applications per year. Limit to 0.55 lb a.i. or 29.3 oz of product per acre per crop.									
Assail 70WP	Acetamiprid (4A)	8033-23-70506	0.5	7	NO	12	-	-	-
Other Use Requirements: Limit to 5 applications per year. Limit to 0.55 lb a.i. or 12.5 oz of product per acre per crop.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Avatar PLX	Acephate (1B) Imidacloprid (4A)	70506-313, 94396-29	Nonbearing	1 year	NO	24	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates, pollinators, and wildlife. Maximum of 8 lb of product per acre per season.									
Avenger S3	Bifenthrin (3A) Imidacloprid (4A)	89168-21-89391	0.05 0.07	1	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms and pollinators including bees. Maximum of 64 fl oz of product per season.									
Averland FC	Abamectin (6)	89118-10	0.02	7	NO	12	-	10,000	-
Other Use Requirements: Toxic to aquatic organisms, bees, and wildlife. Maximum of 8.5 fl oz of product per acre per season.									
Award II Fire Ant Bait	Abamectin (6)	100-1452	0.02	0	NO	12	-	-	-
Other Use Requirements: Toxic to fish and wildlife. Maximum of 4 lb of product per acre per season.									
Aza-Direct	Azadirachtin (UN)	71908-1-10163	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
AzaGuard	Azadirachtin (UN)	70299-17	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
AZAPRO	Azadirachtin (UN)	92629-1	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
AzaSol	Azadirachtin (UN)	81899-4-74578	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Azatin O	Azadirachtin (UN)	70051-9-59807	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Azera	Azadirachtin (UN)	1021-1872	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Azomar	Azadirachtin (UN)	91234-14-92488	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
<i>Bacillus thuringiensis</i>			Exempt	0	NO	4	-	-	-
Biobit HP	B.t. kurstaki strain ABTS-351	73049-54							
Bioprotec PLUS	B.t. kurstaki strain EVB-113-19	89046-12							
BT Now	B.t. kurstaki strain EVB-113-19	89046-12-70299							
Crymax	B.t. kurstaki strain EG7841	70051-86							
Deliver	B.t. kurstaki	70051-69							
DiPel DF Dipel ES	B.t. kurstaki strain H0-1	73049-39 73049-17							
Javelin WG	B.t. kurstaki	70051-66							
Leprotec	B.t. kurstaki strain EVB-113-19	89046-12-88847							
XanTari	B.t. aizawai strain ABTS-1857								
Other Use Requirements: None.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Batallion 10 WSP Batallion 2 EC	Bifenthrin (3A)	91234-117 91234-104	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
Baythroid XL	Beta-cyfluthrin (3A)	264-840	0.2	0	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to aquatic invertebrates; highly toxic to honeybees. ⁹ Do not apply directly to water.									
Belay	Clothianidin (4A)	5939-150	0.07	365	NO	12	-	-	-
Other Use Requirements: Do not harvest citrus for one year after treatment. Toxic to aquatic invertebrates; highly toxic to honeybees up to 5 days post application. ⁹ Do not apply directly to water.									
Beleaf 50 SG	Fonicamid (29)	71512-10-279	4.5	0	NO	12	-	-	-
Other Use Requirements: Maximum of 8.4 oz per acre per season.									
Bifen 2 AG Gold Bifen 2 EC Select	Bifenthrin (3A)	83222-1 89442-30	0.05	1	NO	12			
Bifender FC	Bifenthrin (3A)	89118-2	0.05	1	NO	12	-	10,000	-
Bifenthrin 2 EC	Bifenthrin (3A)	2749-556 5905-626	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
Bifenture EC Bifenthrin 10 DF Bifenture LFC	Bifenthrin (3A)	70506-57 70506-227 70506-305	0.05	1 1 0	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
BioCeres WP	<i>Beauveria bassiana</i> strain ANT-03	89600-2	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
BioCover MLT	<i>Beauveria bassiana</i> strain ANT-03	89600-2	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
BioVector 355	<i>Steinernema riobravis</i> (NR)	NA	Exempt	-	-	-	-	-	-
Other Use Requirements: None.									
Borrada	Abamectin (6)	66222-191	0.02	7	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees. ⁹ Limit of 3 applications of abamectin per growing season. Do not apply more than 40 fl oz/ac (0.047 lb a.i./ac) of any abamectin product in a growing season.									
Botanigard ES	<i>Beauveria bassiana</i> strain GHA	82074-1	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Botanigard WP	<i>Beauveria bassiana</i> strain GHA	82074-2	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Botanigard MAXX	<i>Beauveria bassiana</i> strain GHA Pyrethrins (3A)	82074-5	Exempt	0	NO	12	-	-	-
Other Use Requirements: None.									
BoteGHA	<i>Beauveria bassiana</i> strain GHA	82074-1	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Bracket 90 WDG	Acephate (1B)	84229-7-1381	Nonbearing	12 months	NO	24	-	-	-
Other Use Requirements: Do not harvest citrus for one year after treatment. Minimum 3 days spray interval for up to 0.5 lb a.i./ac and 7 days for rates greater than 0.5 lb a.i./ac.									
Bracket 97 Bracket 97 WDG	Acephate (1B)	70506-8-1381 66222-266-1381	Nonbearing	12 months	NO	24	-	-	-
Other Use Requirements: Do not harvest citrus for one year after treatment. Minimum 3 days spray interval for up to 0.5 lb a.i./ac and 7 days for rates greater than 0.5 lb a.i./ac.									
Brandt Ecotec Plus	Geraniol Peppermint oil Rosemary oil	2016-12	Exempt	0	0	0	-	-	-
Brigade 2 EC	Bifenthrin (3A)	279-3313	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
Brigade WSB	Bifenthrin (3A)	00279-03108	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Soil application only. Do not allow contact with fruit or foliage. Toxic to fish and aquatic organisms; highly toxic to honeybees.									
Brigadier	Imidacloprid (4A) Bifenthrin (3A)	279-3332	0.07 0.05	Soil—1 Foliar—14	NO	12	-	-	100
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Maximum of 0.13 lb a.i. per acre per season of imidacloprid, 0.13 lb a.i. per season bifenthrin.									
Captiva	Capsicum oleoresin extract Soybean oil Garlic oil	10163-326	Exempt	0	NO	4	-	-	-
Captiva Prime	Capsicum oleoresin extract Canola oil Garlic oil	10163-336	Exempt	0	NO	4	-	-	-
Capture LFR	Bifenthrin (3A)	279-3302	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
Carbaryl 4L (see also Sevin)	Carbaryl (1A)	34704-447	10	5	NO	12	10	10,000	1
Other Use Requirements: Highly toxic to aquatic invertebrates and honeybees. ⁹ Do not apply more than 20 qt per acre per crop.									
Carbine 50 WG	Fonicamid	71512-9-279	1.5	0	NO	12	-	-	-
Other Use Requirements: Do not apply more than 0.267 lb a.i. per acre per year.									
Carbon Defense	Potassium silicate (UNK)	84846-1	Exempt	0	NO	4	-	-	-
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. Minimum 3 days spray interval for up to 0.5 lb a.i./ac and 7 days for rates greater than 0.5 lb a.i./ac.									
Chlorpyrifos (see also Lorsban)	Chlorpyrifos (1B)	19713-505 (4E) 66222-19 (4E AG) 66222-19, 19713-520	1	Foliar—21 Soil—28	YES	5 days	100	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, aquatic organisms, mammals, and birds. Limit 2 applications per season. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Clever 50 DF	Hexythiazox (10A)	91234-38	Nonbearing	0	NO	12	-	10,000	-
Other Use Requirements: Maximum of one application per season.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Clinch Ant Bait	Abamectin (6)	100-894	0.02	0	NO	12	-	-	-
Other Use Requirements: None.									
Closer SC	Sulfoxaflor (4C)	62719-623	0.7	1	NO	12	-	-	-
Other Use Requirements: Apply during periods of decreased bee activity. Do not apply more than 0.266 lb a.i. per acre per year.									
Comite II	Propargite (12C)	400-154	5	21	YES	7 days	-	10,000	10
Other Use Requirements: Do not mix with oil, products with petroleum-based solvents, lime, or lime sulfur. Do not apply within 2 weeks of oil application. Avoid application to immature leaves and fruit. After 48 hours, workers may enter treated area if they wear proper personal protective equipment. Limit 2 applications per season. Toxic to fish.									
Confirm 2F	Tebufenozide (18)	8033-111-10163	2	14	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates. Maximum of 80 fl oz per acre per year.									
Conserve SC	Spinosad (5)	62719-291	0.3	1	NO	4	-	-	-
Other Use Requirements: Maximum of 5 applications per season.									
CPF 15G	Chlorpyrifos (1B)	83222-34	1	28	YES	5 days	-	-	-
Other Use Requirements: Maximum of 3 applications per season, maximum of 3 lb a.i. per acre per year. Do not apply more than 1 lb a.i. chlorpyrifos in a single application. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
CPF 4E	Chlorpyrifos (1B)	83222-20	1	21-35 (depending on rate)	YES	5 days	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Highly toxic to bees; do not apply when bees are active. Maximum of 2 applications per year. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Cryolite 96, Prokil	Cryolite (UN)	10163-41	7	15	NO	12	-	-	-
Other Use Requirements: Do not mix with lime, compounds containing free lime, or calcium foliar nutrients. Minimum of 30 days between applications.									
Cusack citrus	Pyriproxyfen (7C)	91234-58	0.5	1	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates, aquatic organisms, and fish. Maximum rate of 16 fl oz/ac per season.									
Danitol 2.4 EC Spray	Fenpropathrin (3A)	59639-35	2	1	NO	24	-	10,000	100
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, aquatic organisms, and honeybees. Do not apply during bloom.									
Debug ON	Fats and Glyceridic oils, margosa	70311-11	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									
Debug Optimo	Fats and Glyceridic oils, margosa Azadirachtin	70310-7	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									
Debug Tres	Oils, margosa Azadirachtin	70310-8	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									
Debug Turbo	Oils, margosa Azadirachtin	70310-5	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									
Delegate WG	Spinetoram (5)	62719-541	0.3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 12 oz of product (0.188 lb a.i.) per acre per season. Do not make more than 3 applications per calendar year.									
DeltaGard	Deltamethrin (3A)	432-1534	Exempt	0	NO	0	-	-	-
Other Use Requirements: Do not apply more than 10 fl oz per acre per season.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Des-X	Potassium salts of fatty acids	67702-22-70051	Exempt	0	NO	12	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates. Maximum 3 applications per season.									
Dibrom 8 Emulsive	Naled (1B)	5481-479	3	7	YES	48	-	10,000	10
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Limit 1 pint per acre in Florida. Do not use with highly alkaline materials such as lime or Bordeaux.									
Diflumar 2L	Diflubenzuron (15)	74530-70	3	7	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to aquatic organisms.									
Dimate 4 EC	Dimethoate (1B)	9779-273	2	15–45 (depending on rate)	YES ¹¹	10 days	500	10,000	10
Other Use Requirements: Limit to 2 applications to mature fruit. Highly toxic to honeybees. ⁹ Toxic to aquatic organisms.									
Dimethoate	Dimethoate (1B)		2	15–45 (depending on rate)	YES ¹¹	10 days	500	10,000	10
2.67 EC		34704-489							
4 EC		19713-231							
E 267		10163-56							
LV-4		19713-665							
Other Use Requirements: Limit to 2 applications to mature fruit. Highly toxic to honeybees. ⁹ Toxic to aquatic organisms.									
Discipline 2EC	Bifenthrin (3A)	5481-517	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish and aquatic organisms. Maximum of 32 fl oz per acre per season. Do not apply more than 0.5 lb per acre per year.									
Discus L	Imidacloprid (3A) Cyfluthrin (4A)	59807-18	Nonbearing	0	NO	12			
Other Use Requirements: Do not apply during periods of high bee activity. Do not apply more than 0.5 lb a.i. imidacloprid or 0.12 lb a.i. cyfluthrin per acre per year.									
Distance Fire Ant Bait	Pyriproxyfen (7C)	1021-1728-59639	Nonbearing	12 months	NO	12	-	-	-
Other Use Requirements: Toxic to fish and aquatic invertebrates. Do not apply if rain is expected within 4–6 hours.									
Dominus	Allyl isothiocyanate (UN)	89285-2	Exempt	0	YES	5 days	-	-	-
Other Use Requirements: Do not apply within 25 feet of occupied structure.									
Ecotrol EC	Peppermint oil (UN) Rosemary oil (UN)	89152-4	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									
EcoWorks	Neem oil (UN)	89152-4	Exempt	0	NO	4	-	-	-
Ecozin Plus 1.2% ME	Azadirachtin (UN)	5481-559	Exempt	0	NO	12	-	-	-
Other Use Requirements: None.									
Endomite	Propargite (12C)	91234-33	Nonbearing	0	YES	16 days	-	10,000	10
Other Use Requirements: Do not mix with oil, products with petroleum-based solvents, lime, or lime sulfur. Do not apply within 2 weeks of oil application. Avoid application to immature leaves and fruit. Limit 2 applications per season. Toxic to fish.									
Enterik 0.15 LV	Abamectin (6)	91234-51	0.02	7	NO	12	-	-	-
Other Use Requirements: Maximum of 40 oz/ac per season. Toxic to amphibians, bees, and aquatic organisms.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Entrust Entrust SC	Spinosad (5)	62719-282 62719-621	0.3	1	NO	4	-	-	-
Other Use Requirements: Limit to 2 applications per year. Limit to 9 oz of product (0.45 lb a.i. spinosad) per acre per season.									
Envidor 2SC	Spirodiclofen (23)	264-831	0.5	7	NO	12	-	-	-
Other Use Requirements: Limit to 1 application per year. Limit to 20 oz product per acre per season.									
Esteem Ant Bait	Pyriproxyfen (7C)	59639-114	0.3	1	NO	12	-	-	-
Other Use Requirements: None.									
Esteem 0.86 EC	Pyriproxyfen (7C)	59639-95	0.3	1	NO	12	-	10,000	100
Other Use Requirements: Limit to 2 applications per season. Limit to 26 fl oz per acre per season.									
Evergreen EC 60-6	Pyrethrins + piperonyl butoxide (3A)	1021-1770	Pyrethrins (1) Piperonyl butoxide (8)	0	NO	12	10,000	-	1
Other Use Requirements: None.									
Exirel	Cyantraniliprole (28)	279-9615	0.70	1	NO	12	-	-	-
Other Use Requirements: Do not apply a total of more than 0.4 lb a.i./ac of any cyantraniliprole-containing product per year. See label for pollinator restrictions.									
Extinguish	Methoprene (7A)	2724-475	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Fanfare 2EC EC ES	Bifenthrin (3A)	66222-99 66222-261 66222-236	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Soil application only. Do not allow contact with fruit or foliage. Toxic to fish and aquatic organisms. Highly toxic to honeybees. ⁹									
Fastac CS	Alpha-Cypermethrin (3A)	7969-364	0.35	1	NO	12	-	-	100
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish and aquatic organisms. Do not apply more than 0.075 lb a.i. per acre per season.									
Firefighter Ant Bait	Spinosad (5)	67702-56-40051	0.3	0	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates.									
GF-120	Spinosad (5)	62719-359	0.3	0	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates. Do not apply directly to water.									
Gladiator	Zeta-cypermethrin (3A) Avermectin (6)	279-3441	0.35	7	NO	12			
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish and aquatic organisms. Do not apply more than 0.2 lb a.i. per acre zeta-cypermethrin and 0.047 lb a.i. avermectin per season. Must be applied with an adjuvant.									
Gourmet Liquid Ant Bait	Disodium octaborate tetrahydrate	73766-2	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									
Govern 4 E	Chlorpyrifos (1B)	62719-220-55467	1	21	YES	5 days	100	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Limit 2 applications per season. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Grandevo	<i>Chromobacterium subsugae</i>	84059-17	Exempt	0	NO	4	-	-	-
Other Use Requirements: Highly toxic to honeybees, ⁹ do not apply during bloom.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Hatchet	Chlorpyrifos (1B)	62719-220	1	21	YES	5	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Limit 2 applications per season. Chlorpyrifos tolerances have been revoked effective 2/28/22. ¹⁰									
Hexamite	Hexythiazox (10A)	42750-311	0.6	0	NO	12	-	-	100
Other Use Requirements: Do not make more than 1 application per year.									
Imidacloprid	Imidacloprid (4A)	81959-22	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 32 oz/acre/year (0.5 lb a.i./ac/year).									
Imidan 70-W	Phosmet (1B)	10163-169 SLN FL-10006	5	7	NO	24	10	-	10
Other Use Requirements: Limit 5 applications per year. Toxic to fish and aquatic organisms. Highly toxic to honeybees. ⁹									
Imidashot DF	Imidacloprid (4A)	70905-3	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 40 oz/acre/year (0.5 lb a.i./ac/year).									
ImidaStar 2L T&O	Imidacloprid (4A)	42750-115	0.7	7	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 40 oz/acre/year (0.5 lb a.i./ac/year).									
Impulse 1.6 FL	Imidacloprid (4A)	42750-109	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 40 oz/acre/year (0.5 lb a.i./ac/year).									
Inspirato 2 F	Methoxyfenozide (18)	91234-62	3	1	NO	4	-	10,000	-
Other Use Requirements: Do not apply more than 16 fl oz per acre per application or 64 fl oz of Intrepid 2F (1 lb a.i.) per acre per season. Do not apply within 14 days of last application.									
Intrepid 2F	Methoxyfenozide (18)	62719-442	3	1	NO	4	-	-	-
Other Use Requirements: 24(c) SLN-FL-100001; do not apply more than 16 fl oz per acre per application or 64 fl oz of Intrepid 2F (1 lb a.i.) per acre per season. Do not apply within 14 days of last application.									
Intrepid Edge	Spinetoram (5) Methoxyfenozide (18)	62719-666	0.3 3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 1 lb a.i. methoxyfenozide or 0.14 lb a.i. spinetoram per acre per season. Maximum of 3 applications per year. Do not apply within 7 days of previous application.									
Intruder Max 70 WP	Acetamiprid (4A)	8033-23-70506	1	7	NO	12	-	-	-
Other Use Requirements: Do not apply more than 0.55 lb a.i. per acre per season.									
Invertid 2F	Methoxyfenozide (18)	34704-1107	3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 1 lb a.i. per acre per season.									
Kryocide	Cryolite (UN)	70506-172	7	15	NO	12	-	-	-
Other Use Requirements: Limit to 90 lb per acre per season.									
Lada 2F Lada 75WSP	Imidacloprid (4A)	83100-6-83979 83100-26-83979	0.7	14	NO	12	-	-	-
Other Use Requirements: For use on nonbearing trees only.									
Lorsban (see also Chlorpyrifos)	Chlorpyrifos (1B)	(4E) 62719-220 (Advanced) 62719-591 (50-W) 62719-221-10163 (15G) 62719-34	1	Foliar—21 Soil—28	YES ¹¹	5 days	100	10,000	1
Other Use Requirements: Foliar—Highly toxic to honeybees. ⁹ Limit to 2 applications/season with 30-day interval. Soil—Limit to 3 applications/season with maximum of 10 qt/ac/season. 4E Formulation is RESTRICTED PESTICIDE. ⁸ Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Macho 2.0 FL 4.0	Imidacloprid (4A)	42750-110 42750-140	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 32 oz/ac/year (0.5 a.i./ac/year).									
Majister SC	Fenazaquin (21A) 4-tert-butylphenethyl quinazolin-4-yl ether (39; fungicide)	10163-322	0.4	7	NO	12	-	-	-
Other Use Requirements: Foliar—Highly toxic to honeybees. ⁹ Do not make more than one application per year. Maximum of 0.48 a.i. per acre per year. Do not apply until after petal fall.									
Malathion (see also Fyfanon and Atrapa)	Malathion (1B)		8	7	NO	72	-	10,000	100
5		9779-5							
5 EC		19713-217							
57 EC		34704-108 279-3607-53883 67760-40-53883							
8		10163-21							
8 Flowable		10163-21							
Other Use Requirements: Highly toxic to honeybees. ⁹ Do not apply when trees are in bloom. Maximum 1.5 lb a.i. per year. Maximum 1 application per year.									
Malice 2F	Imidacloprid (4A)	34707-893	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 a.i./ac/year.									
Mallet 75 WSP 2F T&O	Imidacloprid (4A)	288-588 228-695	0.7	7	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 a.i./ac/year.									
Marathon 1% Granular	Imidacloprid (4A)	59807-15	Nonbearing	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 a.i./ac/year.									
Micromite 4L Micromite 80WGS	Diflubenzuron (15)	400-476 (SLN-FL-960014) 400-487	0.5	21	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to aquatic invertebrates.									
Midash Forte	Imidacloprid (4A)	83529-6	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 a.i./ac/year.									
Minecto Pro	Cyantraniliprole (28) Abamectin (6)	100-1592	0.70 0.002	7	NO	12	-	-	-
Other Use Requirements: Do not apply more than 0.4 lb a.i. per calendar year of any cyantraniliprole-containing product. Do not apply from onset of flowering until petal fall is complete.									
Montana 2F 4F	Imidacloprid (4A)	83100-7-83979 83100-21-83979	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 lb a.i./ac/year.									
Movento	Spirotetramat (23)	264-1050	0.6	1	NO	24	-	-	-
Other Use Requirements: Do not apply more than 20 fl oz/ac (0.32 lb a.i./ac) per crop season.									
Movento MPC	Spirotetramat (23)	264-1065	0.6	1	NO	24	-	-	-
Other Use Requirements: Do not apply more than 32 fl oz/ac (0.32 lb a.i./ac) per growing season.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
M-Pede	Potassium salts of fatty acids	10163-324	Exempt	0	NO	12	-	-	-
Other Use Requirements: Do not mix with chlorothalonil, formetanate hydrochloride, fosetyl-AI, gibberellic acid, mancozeb, or sulfur.									
Mustang Insecticide	Zeta-cypermethrin (3A)	279-3126	0.3	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Do not make more than 4 applications (0.20 lb a.i.) per crop season. Do not make applications less than 14 days apart. Highly toxic to honeybees; ⁹ do not apply during bloom.									
Mustang Max EW	Zeta-cypermethrin (3A)	279-3426	0.3	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Do not make more than 4 applications (0.10 lb a.i.) per crop season. Do not make applications less than 14 days apart. Highly toxic to honeybees; ⁹ do not apply during bloom.									
Nealta	Cyflumetofen (25)	7969-336	0.3	7	NO	12	-	-	-
Other Use Requirements: Do not apply more than twice per season per crop. Do not apply more than 0.36 lb a.i. per season per crop.									
Neemix 4.5	Azadirachtin (UN)	70051-9	Exempt	0	NO	12	-	-	-
Other Use Requirements: None.									
Nexter Miticide/ Insecticide SC	Pyridaben (21A)	81880-4-10163 81880-28-10163	0.9	7	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees ⁹ and fish. Do not exceed 2 applications/season. Do not apply by air or handgun.									
Nufos 4E	Chlorpyrifos (1B)	67760-28	1	21	YES	5 days	1,000	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Limit 2 applications per season. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Nufos 15G	Chlorpyrifos (1B)	67760-14	1	28	YES	24	-	-	1
Other Use Requirements: Limit 3 applications per year. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Nuprid 4 Max	Imidacloprid (4A)	228-528	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 lb a.i. per acre per year.									
Nuprid 4.6F Pro	Imidacloprid (4A)	228-527	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 14 fl oz per acre per season (0.5 lb a.i./ac/year).									
Obelisk	Imidacloprid (4A) Abamectin (6)	83100-33-83979	0.7 0.02	7	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 14 fl oz per acre per season (0.5 lb a.i./ac/year) imidacloprid. Do not apply more than 0.047 lb a.i./ac of any abamectin-containing product per growing season.									
Omite-30WS	Propargite (12C)	400-427	Nonbearing	12 months	YES	28 days	-	10,000	10
Other Use Requirements: RESTRICTED USE PESTICIDE. After 48 hours, workers may enter treated area if they wear proper personal protective equipment. Limit 2 applications per season.									
Onager Onager Optek	Hexythiazox (10A) 10163-337	10163-277	Nonbearing	0	NO	12	-	-	-
Other use requirements: Do not make more than one application per calendar year. Do not apply more than 24 oz per acre per calendar year.									
Orthene 97 Orthene Turf, Tree, and Ornamental 97 Spray	Acephate (1B)	5481-8978 5481-8978	Nonbearing	12 months	NO	24	10	10,000	1
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to fish and birds. Do not harvest citrus for one year after treatment. Minimum 3 days spray interval for up to 0.5 lb a.i./ac and 7 days for rates greater than 0.5 lb a.i./ac.									
Pasada 1.6F	Imidacloprid (4A)	00264-00763- 66222	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Highly toxic to aquatic invertebrates. Limit to 32 oz per acre per season (0.5 lb a.i./ac/year).									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
PFR-p7	<i>Isaria fumosorosea</i> Apopka strain 97 (UN)	70051-19	EXEMPT	0	NO	12	-	-	-
Other Use Requirements: None.									
Platinum Platinum 75 SG	Thiamethoxam (4A)	100-939 100-1291	0.4	0	NO	12	-	-	-
Other Use Requirements: Do not exceed a total of 3.67 oz/ac (0.172 lb a.i./ac) of Platinum 75 SG or 0.172 lb a.i. of thiamethoxam-containing products per acre per growing season. Do not apply during prebloom or during bloom when bees are actively foraging.									
Portal Portal XLO	Fenpyroximate (21)	71711-19 71711-40	0.6	3 14	NO	12	-	-	1000 100
Other Use Requirements: Do not apply more than 4 pt per season.									
PQZ	Pyrifluquinazon (9B)	71711-37	0.7	1	NO	12	-	-	-
Other Use Requirements: Do not make more than 2 applications per year. Allow a minimum of 7 days between applications.									
Prey 1.6	Imidacloprid (4A)	34704-894	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 40 oz/ac/year (0.5 lb a.i./ac/year).									
Prokil Cryolite 96	Sodium aluminofluoride (UN)	10163-41	7	15	NO	12	-	-	-
Other Use Requirements: Do not apply more than 90 lb 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. ⁹ Toxic to aquatic invertebrates. Limit to 40 oz/ac/season (0.5 lb a.i./ac/year).									
Provoke	Imidacloprid (4A)	89168-23-89391	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 lb a.i. per acre per year.									
Pyganic EC 1.4 II Pyganic EC 5.0 II	Pyrethrins (3A)	1021-1771 1021-1772	1	0	NO	12	-	-	1
Other Use Requirements: None.									
Pyrenone Crop Spray	Piperonyl butoxide (UN) Pyrethrins (3A)	432-1033	8 1	0	NO	12	-	-	16
Other Use Requirements: Toxic to fish.									
Rango	Neem oil (UN)	88760-10	Exempt	0	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic organisms.									
Reaper 0.15EC Reaper Advance Reaper ClearForm	Abamectin (6)	34704-923 34704-923 34704-1078	0.02	7	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees. ⁹ Limit of 3 applications of abamectin per growing season. Do not apply more than 0.047 lb a.i. per acre per year of any abamectin product in a growing season.									
Reemit 0.5 G Fire Ant Bait	Pyriproxifen (7C)	91234-59	0.5	24	NO	12	-	10,000	-
Other Use Requirements: Maximum rate of 26.8 lb per acre per season. Do not apply when rain is expected within 6 hours. Do not water treated area for 24 hours after application.									
Requiem EC Requiem Prime	Terpene constituents of the extract of <i>Chenopodium ambrosioides</i> (UN)	264-1159 264-1185-70051	Exempt	0	NO	4	-	-	-
Other Use Requirements: Do not apply by aerial application. Toxic to aquatic organisms.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
ReTurn	Oxamyl (1A)	83100-53-83979	3	7	YES	4 days	-	-	100
Other Use Requirements: RESTRICTED USE PESTICIDE. Toxic to aquatic organisms, bees, birds, and mammals. Do not apply when bees are in the area. Minimal treatment interval is 14 days. Do not apply more than 24 pt per acre per year. Do not apply more than 8 pt per acre in under 30 days. Do not apply more than 6 times per year.									
Reveal Reveal Endurx	Bifenthrin (3A)	89168-19-893391 89768-79-89391	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Soil application only. Do not allow contact with fruit or foliage. Toxic to fish and aquatic organisms; highly toxic to honeybees. Do not apply more than 0.5 lb a.i. per acre per year.									
Ridesco WG	Dinotefuran (4A) Alpha-cypermethrin (3A)	7969-470	None 0.35	0	NO	0	-	-	-
Other Use Requirements: Toxic to bees and aquatic organisms. Do not apply if flowers or fruit are present.									
Ruckus LFR	Bifenthrin (3A)	279-3302-5905	0.05	0	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Soil application only. Do not allow contact with fruit or foliage. Toxic to fish and aquatic organisms; highly toxic to honeybees. Do not apply more than 0.5 lb a.i. per acre per year.									
Savey 50 DF	Hexythiazox (10A)	10163-250	Nonbearing	12 months	NO	12	-	-	-
Other Use Requirements: Limit 1 application per year. Toxic to fish and aquatic invertebrates.									
Sefina	Afidopyropen (9D)	7969-391	0.15	0	NO	12	-	-	-
Other Use Requirements: Do not make more than 2 sequential applications without rotating another chemistry. Do not apply more than 0.09 lb a.i. per acre per year.									
Senstar	Pyriproxifen (23) Spirotetramat (7C)	59639-243	0.5 0.6	1	NO	24	-	-	100
Other Use Requirements: Do not apply within 10 days prior to bloom or until petal fall is complete. Do not apply more than 0.156 lb a.i. spirotetramat and 0.055 lb a.i. pyriproxifen per acre per application. Do not apply more than 0.313 lb a.i. spirotetramat and 0.109 lb a.i. pyriproxifen per acre per year.									
Sevin (see also Carbaryl)		(4 F) 61842-38 (XLR Plus) 61842-37	10	5	Depends on formulation	12	-	10,000	100
Other Use Requirements: Do not apply more than 20 lb a.i./ac/year for all uses. Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates.									
Sherpa	Imidacloprid (4A)	34704-983	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 lb a.i. per acre per year.									
Sivanto 200 SL Sivanto HL Sivanto Prime	Flupyradifurone (4D)	264-1141 264-1198 264-1141	3.0	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 28.0 fl oz/ac per year.									
Skyraider	Bifenthrin (3A) Imidacloprid (4A)	66222-247	0.5 0.7	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Highly toxic to bees. Toxic to aquatic organisms. Maximum 32 fl oz per acre, limit 0.5 lb a.i./ac/year bifenthrin, limit 0.5 lb a.i./ac/year imidacloprid.									
Sniper Sniper Helios Sniper LFR	Bifenthrin (3A)	34704-858 34704-858 34704-1089	0.05	1	NO	12	-	10,000	100
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
Spear-LEP	GS-omega/kappa-Hctx-Hv1a (32)	88847-6	Exempt	0	NO	4	-	-	-
Other Use Requirements: Limit 10 pt per acre per season.									
Spintor 2 SC	Spinosad (5)	62719-294	0.3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 29 ounces (0.45 lb) per acre per crop year. Limit 2 applications per season.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Stallion	Chlorpyrifos (1B) Zeta-cypermethrin (3A)	279-9545	1 0.35	21	YES	5 days			
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Maximum of 0.05 lb per acre per season zeta-cypermethrin and 0.5 lb per acre chlorpyrifos per season. Do not make more than two applications of any chlorpyrifos material per season (does not include orchard floor). Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Sulfur	Sulfur (NR)	See Table 2.	Exempt	0	NO	24	-	-	-
Other Use Requirements: Do not apply within 21 days of an oil spray.									
Surround WP	Kaolin (NR)	61842-18	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Swagger	Imidacloprid (3A) Bifenthrin (4A)	34704-1045	0.05 0.7	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Highly toxic to bees. Do not apply within 10 days prior to bloom or when bees are foraging. Do not allow product to contact fruit or foliage. Maximum of 0.25 lb a.i. imidacloprid per acre per year and maximum of 0.25 lb a.i. bifenthrin per acre per year.									
Telone II	1,3-dichloropropene	95290-1	None	0	YES	5 days	-	-	-
Other Use Requirements: None.									
Tempest	Imidacloprid (3A) Bifenthrin (4A)	279-3459-5905	0.05 0.7	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Highly toxic to bees. Do not apply within 10 days prior to bloom or when bees are foraging. Do not allow product to contact fruit or foliage. Maximum of 0.25 lb a.i. imidacloprid per acre per year and maximum of 0.25 lb a.i. bifenthrin per acre per year.									
Tersus	Pyrethrins (3A)	1021-26160	1	0	NO	12	-	-	1
Other Use Requirements: Toxic to bees and aquatic organisms. Maximum of 10 applications per season.									
Timectin	Abamectin (6)	84229-2	0.02	7 days	NO	12			
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees. ⁹ Limit of 3 applications of abamectin per growing season. Do not apply more than 8.5 fl oz/ac of Agri-mek SC or 0.047 lb a.i./ac of any abamectin-containing product per growing season.									
Transform WG	Sulfoxaflor (4C)	62719-625	0.7	1	NO	24	-	-	-
Other Use Requirements: Notify beekeepers within 1 mile of treatment area 48 hours before product is applied. Do not apply when pollinators are actively foraging. Do not make more than 4 applications per crop. Do not apply more than 0.266 lb a.i. per acre per year. One application is allowed between 3 days before bloom and until after petal fall.									
Trilogy	Extract of Neem oil (UN)	70051-2	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Troubadour 2F	Methoxyfenozide (18)	62719-442-5905	3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 1 lb a.i. per acre per year.									
Tundra EC	Bifenthrin (3A)	1381-196	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
TurnStyle	Methoxyfenozide (18)	70506-332	3	1	NO	4			
Other Use Requirements: Do not apply more than 1 lb a.i. methoxyfenozide per acre per season. Do not apply more than 16 fl oz per acre per application.									
Vendex 50WP	Fenbutatin oxide (12B)	70506-211	20	7	NO	48	-	10,000	-
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish; limited to 2 applications/12-month period with at least a 60-day interval.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
Veratran D	Sabadilla Alkaloids (UN)	1021-2600	Exempt	0	NO	12	-	-	-
Other Use Requirements: Toxic to bees.									
Verdepryn 100 SL	Cyclaniliprole (28)	71512-34-88783	0.4	1	NO	4	-	-	-
Other Use Requirements: Bloom spray limited to 0.054 lb a.i. per acre; must be made when bees are not actively foraging. Maximum of 3 applications per year. Do not apply more than 0.22 lb a.i. per acre per year.									
Verimark	Cyantraniliprole (28)	279-9616 352-860	0.70	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 0.4 lb a.i./ac of any cyantraniliprole-containing product per year, regardless of whether applications are made to the soil or foliarly.									
Vexer	Methoxyfenozide (18)	91234-62-89391	3	1	NO	4 days	-	-	-
Other Use Requirements: Do not apply more than 1 lb a.i. methoxyfenozide per acre per season.									
Viloprid FC 1.7	Imidacloprid (4A)	89118-9	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 14 oz per acre per season (0.5 lb a.i./ac/year).									
Voliam Flexi	Chlorantraniliprole (28) Thiamethoxam (4A)	100-1319	1.4 0.4	1	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Do not apply when bees are actively foraging. Do not exceed a total of 14.0 oz of Voliam Flexi or 0.172 lb a.i. of thiamethoxam-containing products or 0.2 lb a.i. of chlorantraniliprole-containing products per acre per growing season.									
Vydate L	Oxamyl (1A)	352-372	3	7	NO	48	100	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to birds and mammals. Limit to 6 applications per year. Do not apply more than 24 pt per acre per year.									
Warhawk	Chlorpyrifos (1B)	34704-857	1	21	YES	5 days	-	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, aquatic organisms, mammals, and birds. Limit 2 applications per season. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Whirlwind	Chlorpyrifos (1B)	62719-220-5905	1	21	YES	5 days	-	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Toxic to fish, aquatic organisms, mammals, and birds. Limit 2 applications per season. Chlorpyrifos tolerances will be revoked effective 2/28/22. ¹⁰									
Widow	Imidacloprid (4A)	34704-893	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 lb a.i. per acre per year.									
Wrangler	Imidacloprid (4A)	34707-931	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees. ⁹ Toxic to aquatic invertebrates. Limit to 0.5 lb a.i. per acre per year.									
Xpedient Plus Xpedient Plus V	Bifenthrin (3A)	5481-517	0.05	1	NO	12			
Other Use Requirements: RESTRICTED PESTICIDE. ⁸ Use as a soil barrier application; do not allow application to contact fruit or foliage. Apply only to individual citrus resets, not solid planted rows. Do not apply more than 0.5 lb a.i./ac/year.									
Zylo	Methoxyfenozide (18)	70506-332	3	1	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates. Do not apply more than 1 lb a.i. per acre per year.									

Trade Name or Generic Name	Common Name (IRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm) ³	Days to Harvest	Field Posting Required ⁴	REI Hr	EPCRA ⁵		
							TPQ (lb a.i.) ⁶		RQ (lb a.i.) ⁷
							1	2	
<p>¹ Mode of action class for citrus pesticides from the Insecticide, Fungicide, and Herbicide Resistance Action Committees. Refer to chapter 4, Pesticide Resistance and Resistance Management, for more details.</p> <p>² Extracted from product labels, Code of Federal Regulations, and other federal and state regulations.</p> <p>³ Tolerances for US market. For additional markets, search the online MRL database: bcglobal.bryantchristie.com.</p> <p>⁴ Read product label for specific use precautions, especially Worker Protection Standards and environmental concerns.</p> <p>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 at 1-800-635-7179 for additional details.</p> <p>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).</p> <p>⁷ Reportable Quantity. 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.</p> <p>⁸ 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.</p> <p>⁹ Will kill bees for 24 hours following application.</p> <p>¹⁰ Tolerances for chlorpyrifos residues on fruit crops will be revoked effective 2/28/22 per the US EPA (https://www.regulations.gov/document/EPA-HQ-OPP-2021-0523-0001).</p> <p>¹¹ Under revisions to the WPS, mandatory posting is required for any product with an REI greater than 48 hours. Refer to chapter 8, Quick Reference Guide to the Worker Protection Standard (WPS) as Revised in 2015, for more details.</p>									

Table 5. Pesticides registered for use on Florida citrus—fungicides.

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	EPCRA ⁵		
							TPQ (lb a.i.) ⁶	RQ (lb a.i.) ⁷	
Abound Flowable Fungicide	Azoxystrobin (11)	100-1098	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	1	2	
Other Use Requirements: Do not apply more than 90 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Minimum application interval 7 days. Not for use in nursery propagation.									
Acadia 2 SC	Azoxystrobin (11)	91234-74	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	10,000	--	
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
Acadia ESQ	Azoxystrobin (11) Difenoconazole (3)	91234-205	A fruit (group 10-10) 15 A 20 (dried pulp) A 40 (oil) D fruit (group 10) 0.60 D (dried pulp) 2.0 D 25 (oil)	0	NO	12	10,000	--	
Other Use Requirements: Do not apply more than 61.5 fl oz/ac/season for all uses. Do not apply more than 0.5 lb a.i. difenoconazole/ac/season. Do not apply more than 1.5 lb a.i. azoxystrobin/ac/season. Not for nursery production use.									
Actinovate AG	<i>Streptomyces lydicus</i> WYEC 108 (BM 02)	524-641	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									
Adorn Fungicide	Fluopicolide (43)	59639-141	Nonbearing Fruit (group 10-10) 0.01 0.03 (dried pulp) 1.0 (oil)	NA ⁸	NO	12	--	--	
Other Use Requirements: Nonbearing only; must be tank-mixed with another fungicide for resistance management—see label for details; no more than 2 applications per cropping cycle.									
Aframe	Azoxystrobin (11)	100-1098	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	1000 Sodium hydroxide	
Other Use Requirements: Do not apply more than 90.0 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation. Minimum application interval of 7 days.									
Aliette WDG	45002-4	264-516	Fruit (group 10-10) 9.0	30	NO	24	--	--	
Other Use Requirements: Do not exceed 4 applications/season or 20 lb/ac/year; for foliar application, do not exceed 500 GPA.									
Alude	Mono- and dibasic sodium, potassium, and ammonium phosphorous acid (P 07)	55146-83	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Alumni	Thiabendazole (1)	100-889	15 (oil) Fruit (group 10 PH) 10	PH	NA	12	1	2	--
Other Use Requirements: Maximum one application.									
Amistar Top (formerly Quadris Top)	Azoxystrobin (11) Difenoconazole (3)	100-1313	A fruit (group 10-10) 15 A 20 (dried pulp) A 40 (oil) D fruit (group 10) 0.60 D (dried pulp) 2.0 D 25 (oil)	0	NO	12	--	--	--
Other Use Requirements: Do not apply more than 61.5 fl oz/ac/season for all uses. Do not apply more than 0.5 lb a.i. difenoconazole/ac/season. Do not apply more than 1.5 lb a.i. azoxystrobin/ac/season. Not for nursery production use. Minimum application interval 7 days.									
Arius 250	Azoxystrobin (11)	60063-59	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 90.0 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation. Minimum application interval of 7 days.									
AVIV	<i>Bacillus subtilis</i> IAB/BS03 (BM 02)	91473-1-88783	Exempt	0	NO	4	10,000	--	--
Other Use Requirements: None.									
A-Zox 255C	Azoxystrobin (11)	83529-64	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
Azoxyl 25CPRIME	Azoxystrobin (11)	89442-21	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
AzoxylStar	Azoxystrobin (11)	42750-261	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
Azoxylzone	Azoxystrobin (11)	71532-35-91026	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
AZteroid FC ^{3,3}	Azoxystrobin (11)	89118-11	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 58.2 fl oz (FC 3.3) for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									

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	EPCRA ⁵		
							TPQ (lb a.i.) ⁶	RQ (lb a.i.) ⁷	
Banner MAXX II	Propiconazole (3)	100-1326	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	1	2	
Other Use Requirements: Nonbearing only; do not apply more than 5.4 gallons/ac/season.									
BioSpectra 100SC	Natamycin (48)	87485-2-64864	Exempt	PH ⁸	NA	NA	--	--	
Other Use Requirements: None.									
Bio-Tam ²⁰	<i>Trichoderma gamsii</i> (ICC 080) and <i>T. asperellum</i> (ICC 012) (BM02)	80289-9	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									
Blockade 50WG	Acibenzolar-S-methyl (P 01)	100-922	Fruit (group 10-10) 0.02	0	NO	12	--	--	
Other Use Requirements: Do not apply more than 3.2 oz/ac/application (0.1 lb a.i.) or 12.8 oz/ac/year (0.4 lb a.i.). Minimum application interval 30 days.									
BotryStop Biofungicide	<i>Ulocladium oudemansii</i> (U3 strain)	75747-2-68539	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									
Broadform	Trifloxystrobin (11) Fluopyram (7)	432-1537	T 1.0 (dried pulp) T 38 (oil) T Fruit (group 10) 0.6 F Fruit (group 10-10) 1.0 F 8.0 (oil)	7	NO	12	--	--	
Other Use Requirements: Do not apply more than 27.1 fl oz/ac/year. Do not exceed more than 0.44 lb fluopyram or 0.44 lb trifloxystrobin per year for all uses.									
Bumper 41.8EC ES	Propiconazole (3)	66222-270 66222-42 66222-241	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--	
Other Use Requirements: Nonbearing only or within 12 months of harvestable fruit; do not apply more than 24 fl oz/ac/season. Do not apply more than 0.67 lb a.i./ac/season of propiconazole.									
Carb-O-Nator	Potassium bicarbonate (NC)	70051-117	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									
Compass	Trifloxystrobin (11)	432-1371	Nonbearing 1.0 (dried pulp) 38 (oil) Fruit (group 10-10) 0.6	12 months	NO	12	--	--	
Other Use Requirements: Rotate to a non-MOA Group 11 fungicide for a minimum of two applications before rotating back.									
Confine Extra	Mono- and dipotassium salts of phosphorous acid (P 07)	1381-244	Exempt	0	NO	4	--	--	
Other Use Requirements: Do not apply at less than a 3-day interval.									

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	EPCRA ⁵		
							TPQ (lb a.i.) ⁶	RQ (lb a.i.) ⁷	
Copper fungicides	Various (M 01)	See Table 1	Exempt	0	NO	SL ⁹	1	2	
Other Use Requirements: None.									
Dorado	Propiconazole (3)	100-741	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--	
Other Use Requirements: Nonbearing only. Do not apply more than 5.4 gal/ac/year.									
Double Nickle55 LC	<i>Bacillus amyloliquifaciens</i> strain D747 (BM 02)	70051-108 70051-107	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									
EcoSwing Botanical	Extract of <i>Swinglea glutinosa</i> (BM 01)	10163-357	Exempt	0	NO	4	--	--	
Other Use Requirements: None.									
Empress Intrinsic	Pyraclostrobin (11)	7969-355	Non-bearing 12.5 (dried pulp) 9.0 (oil) Fruit (group 10-10) 2.0	12 months	NO	12	--	--	
Other Use Requirements: For drench applications. Do not apply more than 1.5 gal/ac/season or other MOA Group 11 fungicides/season. Do not use more than 2 sequential applications/season.									
Enable 2F	Fenbuconazole (3)	62719-416	5.0 (dried pulp) 40 (oil) Fruit (group 10) 1.0	0	NO	12	--	--	
Other Use Requirements: No more than 3 applications/year; no more than 0.38 lb (24 fl oz Enable) a.i./ac/year; minimum retreatment interval is 21 days. Do not apply with polymer adjuvants.									
Endura	Boscalid (7)	7969-197	4.5 (dried pulp) 85.0 (oil) Fruit (group 10-10) 2.0	0	NO	12	--	--	
Other Use Requirements: Do not apply more than 27.2 oz/ac/season or 1.20 lb a.i./ac/season.									
Ferbam Granuflo	Ferbam (M 03)	45728-7	4.0 fruit (group 10)	0	NO	24	--	--	
Other Use Requirements: No more than 3 applications. No more than 7.9 lb/ac (6.0 lb a.i.) per single application.									
Fireline 17 WP 45 WP	Oxytetracycline hydrochloride (41)	80990-1 80990-6	Fruit (group 10-10) 0.01	40	YES	12	--	--	
Other Use Requirements: Do not use more than 4.5 lb (17 WP) or 1.69 lb (45 WP) (0.82 a.i.) oxytetracycline/ac/season. Minimum retreatment interval is 21 days.									
Firewall 50 WP	Streptomycin sulfate (25)	80990-3	Fruit (group 10-10) 0.8 Dried pulp 3.0	60	YES	12	--	--	
Other Use Requirements: Do not use more than 33 oz (0.45 lb a.i.) streptomycin/ac/year. Minimum retreatment interval is 21 days.									
Fitness	Propiconazole (3)	34704-1031	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	100 Naphthalene	
Other Use Requirements: Do not use more than 0.67 lb a.i. or 24 fl oz propiconazole/ac/season.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Fosphite	Phosphorous acid, mono- and dipotassium salts (P 07)	68573-2	Exempt	0	NO	4	1	2	--
Other Use Requirements: Minimum retreatment interval is 3 days; to avoid phytotoxicity, do not apply less than 20 days after copper-based products.									
Fungi-Phite	Phosphorous acid, mono- and dipotassium salts (P 07)	73771-5	Exempt	0	NO	4	--	--	--
Other Use Requirements: If chemigating, do not apply more than 4 times/crop cycle.									
Gem 500 SC	Trifloxystrobin (11)	264-826	1.0 (dried pulp) 38 (oil) Fruit (group 10) 0.6	7	NO	12	--	--	--
Other Use Requirements: Do not apply more than 15.2 fl oz/ac/season for all uses. No more than 4 applications of Gem 500 SC or other MOA Group 11 fungicides/season.									
GCS Azoxy 2SC	Azoxystrobin (11)	94730-6	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
Graduate MAX MP	Fludioxonil (12)	100-969 100-1242	500 (oil) Fruit (group 10-10) 10	PH ⁸	NO	0	--	--	--
Other Use Requirements: Do not make more than 2 applications to citrus fruit.									
Graduate A+	Fludioxonil (12) Azoxystrobin (11)	100-1308	F 500 (oil) Fruit (group 10-10) 10 A 20 (dried pulp) A 40 (oil) A fruit (group 10-10) 15	PH ⁸	NO	0	--	--	--
Other Use Requirements: Do not make more than 2 applications to citrus fruit. Maximum rate per crop 116 fl oz. Do not exceed 1.99 lb a.i./crop of fludioxonil- or 1.80 a.i./crop azoxystrobin-containing products.									
Guarda	Thyme oil (BM 01)	92144-2-70299	Exempt	0	NO	0	--	--	--
Other Use Requirements: None.									
Gunner 14.3 MEC	Propiconazole (3)	91234-36	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	10,000	--	--
Other Use Requirements: Do not use more than 5.4 gal/acre/year or 0.67 lb a.i. or 24 fl oz propiconazole/ac/season.									
HDH Foam 26	Sodium ortho-phenylphenate (NC)	83103-2	10	PH ⁸	NA	NA	--	--	--
Other Use Requirements: None.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Headline SC	Pyraclostrobin (11)	7969-186 7969-289	12.5 (dried pulp) 9.0 (oil) Fruit (group 10-10) 2.0	0	NO	12	1	2	Naphthalene (100 lb) SC --
Other Use Requirements: Do not apply more than 54 fl oz/ac/season or 0.88 lb a.i./ac/season or other MOA Group 11 fungicides/season. Do not use more than 2 sequential applications/season.									
Honor Guard PPZ	Propiconazole (3)	66222-41-53883	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--	--
Other Use Requirements: Do not use more than 0.67 lb a.i. or 24 fl oz propiconazole/ac/season.									
Howler	<i>Pseudomonas chlororaphis</i> strain AF5009	91197-3-92488	Exempt	0		4	--	--	--
Other Use Requirements: None.									
Indar 2F	Fenbuconazole (3)	62719-416	5.0 (dried pulp) 40 (oil) Fruit (group 10) 1.0	0	NO	12	--	--	--
Other Use Requirements: No more than 3 applications/year; no more than 0.38 lb (24 fl oz Indar) a.i./ac/year; minimum retreatment interval is 21 days.									
Insignia SC Intrinsic	Pyraclostrobin (11)	7969-290	Nonbearing 12.5 (dried pulp) 9.0 (oil) Fruit (group 10-10) 2.0	12	NO	0	--	--	--
Other Use Requirements: Do not apply more than 0.88 lb a.i./ac/season or other MOA Group 11 fungicides/season. Do not use more than 2 sequential applications/season.									
Jet-Ag	Peroxyacetic acid (NC) Hydrogen peroxide (NC)	81803-6	P Exempt up to 100 ppm in solution H Exempt when ≤ 1% per application	0	YES	4	--	--	Acetic acid 73,529
Other Use Requirements: None.									
KeyPlex 350 Organic	Yeast extract hydrolysate from <i>Saccharomyces cerevisiae</i> (P 06)	73512-1 73512-4	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
K-Phite 7LP	mono + dipotassium salts of Phosphorous Acid (P 07)	73806-1	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply at intervals less than 3 days.									
LifeGuard LC WG	<i>Bacillus mycoides</i> isolate J (P 06)	70051-126 70051-119	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Linebacker WDG	Fosetyl-AL (P 07) Also known as aluminum tris (O-ethyl phosphonate)	61842-9	Fruit (group 10-10) 9.0	0	NO	24	1	2	--
Other Use Requirements: Do not exceed 4 applications or 20 lb (16 lb a.i./ac/year. Do not exceed 500 GPA for foliar applications.									
LPI Azoxy 2 SC	Azoxystrobin (11)	34704-1163	20 (dried pulp) 40 (oil) fruit (group 10-10) 15	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
Luna Flex	Difenoconazole (3) Fluopyram (7)	264-1218	D 2.0 (dried pulp) D 25 (oil) D Fruit (group 10) 0.6 F Fruit (group 10-10) 1.0 F 8.0 (oil)	7	NO	12	--	--	--
Other Use Requirements: Maximum 27.2 fl oz/ac/year. Do not apply more than 0.46 lb a.i./ac/year of difenoconazole or 0.446 lb a.i./ac/year of fluopyram. Minimum retreatment interval is 7 days.									
Luna Sensation	Trifloxystrobin (11) Fluopyram (7)	264-1090	T 1.0 (dried pulp) T 38 (oil) T Fruit (group 10) 0.6 F Fruit (group 10-10) 1.0 F 8.0 (oil)	7	NO	12	--	--	--
Other Use Requirements: Maximum 27.1 fl oz/ac/year. Do not apply more than 0.5 lb a.i./ac/year of trifloxystrobin or 0.446 lb a.i./ac/year of fluopyram.									
Mazolin	Azoxystrobin (11)	92647-2-92488	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	10,000 lb	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for use in nursery propagation.									
Mefenoxam 2 AQ	Mefenoxam (4)	53883-433	Nonbearing 1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	12 months	NO	48	--	--	--
Other Use Requirements: Do not use in greenhouse citrus nursery stock intended for commercial fruit production.									
Mentor EC	Propiconazole (3)	100-780 100-1562	1000 (oil) Fruit (group 10-10) 8	PH ⁸	NO	0	--	--	--
Other Use Requirements: Postharvest use. Make no more than 2 postharvest applications. Do not exceed 0.88 lb a.i./year.									
MetaStar 2E	Metaxyl (4)	71532-5-91026	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	--	--
Other Use Requirements: Do not use in greenhouse citrus nursery stock. Do not apply more than 6 gal/ac/year.									

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	EPCRA ⁵	
							TPQ (lb a.i.) ⁶	RQ (lb a.i.) ⁷
Miligram Plus	<i>Bacillus subtilis</i> strain IAB/BS03 (BM 02)	91554-1-100004	Exempt	0	NO	4	1	2
Other Use Requirements: None.								
MilStop SP	Potassium bicarbonate (NC)	68539-13	Exempt	0	NO	1	--	--
Other Use Requirements: None.								
Minuet	<i>Bacillus subtilis</i> strain QST 713 (BM 02)	264-1202	Exempt	0	NO	4	--	--
Other Use Requirements: None.								
Miravis Top	Pydiflumetofen (7) Difenoconazole (3)	100-1602	P Fruit (group 10-10) 1 P Oil 30 D fruit (group 10) 0.60 D (dried pulp) 2.0 D 25 (oil)	0	NO	12	--	--
Other Use Requirements: Maximum rate is 60.9 fl oz/year. Do not apply more than 0.50 or 0.30 lb a.i./ac/year of difenoconazole and pydiflumetofen, respectively. Minimum application interval is 7 days.								
Mite-Phite ZM	Phosphorous acid (P 07)	48222-14	Exempt	0	NO	48	--	--
Other Use Requirements: Do not apply in intervals less than 3 days.								
Mycosshield	Calcium oxytetracycline (41)	55146-97	Fruit (group 10-10) 0.01	40	YES	12	--	--
Other Use Requirements: Do not use more than 4.5 lb or 0.77 a.i. oxytetracycline/ac/season. Minimum retreatment interval is 21 days.								
Nufarm Propiconazole SPC 14.3 MEC	Propiconazole (3)	228-623	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	24	--	--
Other Use Requirements: Do not use more than 0.67 lb a.i. or 24 fl oz propiconazole/ac/season.								
Obtego	<i>Trichoderma asperellum</i> <i>Trichoderma gamsii</i>	80289-9-67690	Exempt	0	NO	4	--	--
Other Use Requirements: None.								
Omni Brand Propiconazole 41.8% EC	Propiconazole (3)	38167-35-5905	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--
Other Use Requirements: Do not use more than 0.67 lb a.i. or 24 fl oz propiconazole/ac/season.								
Orondis	Oxathiapiprolin (49)	100-1571	Fruit (group 10-10) 0.06 0.09 (dried pulp) 2.0 (oil)	0	NO	4	--	--
Other Use Requirements: Do not use in a nursery. Do not apply sequentially more than two soil applications or one foliar application. Do not use more than 2.4 fl oz (0.03 lb) oxathiapiprolin/ac/season for foliar applications. Do not use more than 19.2 fl oz (0.25 lb) oxathiapiprolin/ac/season for soil applications. Minimum application interval is 30 days.								

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Orondis Ultra	Oxathiapiprolin (49) Mandipropamid (40)	100-1612	O Fruit (group 10-10) 0.06 O 0.09 (dried pulp) O 2.0 (oil) M Fruit (group 10-10) 0.5 M 0.70 (dried pulp) M 15 (oil)	0	NO	4	--	2	--
Other Use Requirements: Do not use in a nursery. Do not apply more than one application. Do not apply more than 0.016 or 0.13 lb a.i./ac/year of oxathiapiprolin or mandipropamid, respectively.									
OSO 5%SC	Polyoxin D zinc salt (19)	68173-4-70051	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 4.3 oz a.i./ac/year.									
OxiDate 2.0 5.0	Peroxyacetic acid (NC) Hydrogen peroxide (NC)	70299-12 70299-28	P Exempt up to 100 ppm in solution H Exempt when = 1% per application	0	YES	1	500 (Peroxyacetic acid) 1000 (hydrogen peroxide)	--	500 (Peroxyacetic acid) 1000 (hydrogen peroxide)
Other Use Requirements: Posting required when applying through chemigation; consult the label.									
OxiPhos	mono + dipotassium salts of Phosphorous Acid (P 07) Hydrogen peroxide (NC)	70299-22	PA Exempt H when = 1% per application	0	YES	4	1000 (hydrogen peroxide)	--	1000 (hydrogen peroxide)
Other Use Requirements: Posting required when applying through chemigation; consult the label.									
PacRite Azoxy 250 SC	Azoxystrobin (11)	42750-261-64864	15 (fruit group 10-10) 20 (dried pulp) 40 (oil)	PH ⁸	NA	NA	--	--	--
Other Use Requirements: Postharvest only. Do not make more than 2 postharvest applications.									
PacRite FDL	Fludioxonil (12)	64864-70	500 (oil) 10 (fruit group 10-10)	PH ⁸	NA	NA	--	--	--
Other Use Requirements: Postharvest only. Do not make more than 2 postharvest applications.									
PacRite Fungaflo 500 EC	Imazalil (3)	43813-6-64864	200 (oil) 10 (PH fruit) 25 (dried pulp)	PH ⁸	NA	NA	--	--	--
Other Use Requirements: Postharvest only.									
PacRite Penbotec 400 SC	Pyrimethanil (9)	43813-32-64864	150 (oil) 10.0 (fruit group 10-10)	PH ⁸	NA	NA	--	--	--
Other Use Requirements: Postharvest only. May be applied to citrus fruits by a maximum combination of three application methods.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
PacRite TBZ 4.0 SC	Thiabendazole (1)	64864-66	15 (oil) 10 (fruit group 10)	PH ⁸	NA	12	1	2	--
Other Use Requirements: Postharvest only.									
Pageant Intrinsic	Pyraclostrobin (11) Boscalid (7)	7969-251	P 12.5 (dried pulp) P 9.0 (oil) P fruit (group 10-10) 2.0 B 4.5 (dried pulp) B 85.0 (oil) B fruit (group 10-10) 2.0	0	NO	12	--	--	--
Other Use Requirements: No more than 74 oz/ac/year (1.17 lb boscalid, 0.592 lb pyraclostrobin). Minimum retreatment interval is 10 days.									
PerCarb	Sodium carbonate peroxyhydrate (NC)	70299-15	Exempt	0	NO	1	--	--	--
Other Use Requirements: Do not apply to a blooming crop.									
Ph-D fungicide	Polyoxin D zinc salt (19)	66330-56	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 6 applications of polyoxin as the active ingredient (4.2 oz a.i./ac) per season.									
Phostrol	Mono- + dibasic sodium, potassium and ammonium salts (P 07)	55146-83	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Pilato SC	Fludioxonil (12)	91234-93	500 (oil) 10 (fruit group 10-10)	PH ⁸	NA	NA	10,000	--	--
Other Use Requirements: Do not make more than 2 applications to fruit.									
PPZ 41.8 Select	Propiconazole (3)	89442-3	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--	--
Other Use Requirements: Do not use more than 0.67 lb a.i. or 24 fl oz propiconazole/ac/season.									
Presidio Fungicide	Fluopicolide (43)	59639-140	1.0 (oil) 0.03 (dried pulp) 0.01 fruit (group 10-10)	30	NO	12	--	--	--
Other Use Requirements: Do not make more than 1 application or 12 fl oz/ac/year.									
Priaxor Xemium	Pyraclostrobin (11) Fluxapyroxad (7)	7969-311	P 12.5 (dried pulp) P 9.0 (oil) P fruit (group 10-10) 2.0 F 3.0 (dried pulp) F 40 (oil) F fruit (group 10-10) 1.0	0	NO	12	--	--	--
Other Use Requirements: No more than 4 (44 oz) applications/ac/year (0.478 lb fluxapyroxad, 0.956 lb pyraclostrobin). Minimum retreatment interval is 10 days.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Pristine	Pyraclostrobin (11) Boscalid (7)	7969-199	P 12.5 (dried pulp) P 9.0 (oil) P fruit (group 10-10) 2.0 B 4.5 (dried pulp) B 85.0 (oil) B fruit (group 10-10) 2.0	0	NO	12	--	2	--
Other Use Requirements: No more than 74 oz/ac/year (1.17 lb boscalid, 0.592 lb pyraclostrobin). Minimum retreatment interval is 10 days.									
Procidic Concentrate	Citric acid (NC)	Exempt	Exempt	0	NO	0	--	--	--
Other Use Requirements: None.									
ProCon-Z	Propiconazole (3)	34704-879	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	24	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) propiconazole/ac/season.									
ProPhyt	Potassium phosphite (P 07)	42519-22-5905	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Propiconazole 1.3 ME T&O	Propiconazole (3)	42750-252	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	24	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) Propiconazole 1.3 ME T&O/ac/season.									
Propiconazole 3.6 EC	Propiconazole (3)	69361-40	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	1000 gal Xylene
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) Propiconazole 3.6 EC/ac/season.									
Propiconazole 14.3	Propiconazole (3)	53883-363	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	10,000	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) Propiconazole 3.6 EC/ac/season.									
Propiconazole 14.3 SELECT	Propiconazole (3)	89442-17	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) Propiconazole 14.3 SELECT/ac/season.									
Propicure 3.6F	Propiconazole (3)	83222-18	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	100 Naphthalene
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) product/ac/season.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Propiczone	Propiconazole (3)	83529-22-91026	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	1	2	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) product/ac/season.									
PropiMax EC	Propiconazole (3)	62719-346	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) PropiMax EC/ac/season.									
Propi-Star EC	Propiconazole (3)	42750-211	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	226 gal 100 lb naphthalene
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) Propi-Star EC/ac/season.									
Propizol	Propiconazole (3)	74578-8	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	24	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) PropiMax EC/ac/season.									
Provysol	Mefentrifluconazole (3)	7969-411	2.0 (dried pulp) 15 (oil)	0	NO	12	--	--	--
Other Use Requirements: Do not apply more than 15 fl oz (0.39 lb a.i.)/ac/year.									
Rampart 6.8	Mono- and dipotassium salts of phosphorous acid (P 07)	34704-924 82940-1-34704	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply at intervals less than 3 days.									
Rango	Neem Oil (BM 01)	88760-10	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
ReCon 4 F	Metalaxyl (4)	91234-64	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	10,000 lb	--	--
Other Use Requirements: Do not apply more than 3 gal (12 lb a.i.)/treated ac/year. Do not exceed 3 applications/year. Do not use in enclosed nurseries.									
ReCon Bold SL	Mefenoxam (4)	91234-219	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	10,000	--	5,000 (acetone) 4,000 gal
Other Use Requirements: Do not apply more than 12 pt (6 lb a.i.)/treated ac/year. Do not exceed 3 applications/year. Do not use in enclosed nurseries.									
Regalia Biofungicide	<i>Reynoutria sachalinensis</i> extract (P 05)	84059-3	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									

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	EPCRA ⁵		RQ (lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Regulate Select	Metaxyl (4)	89442-16	Nonbearing 1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	12 months	NO	24	1	2	--
Other Use Requirements: Do not use in nurseries where stock is intended for commercial fruit production.									
Regev	Tea tree oil (BM 01) Difenoconazole (3)	86182-5-88783	TTO Exempt D fruit (group 10) 0.60 D (dried pulp) 2.0 D 25 (oil)	7	NO	12	10,000	--	--
Other Use Requirements: Do not use more than 38 fl oz/acre/year (0.988 or 0.50 lb a.i. tea tree oil and difenoconazole, respectively).									
Reliant	Mono- and dipotassium salts of phosphorous acid (P 07)	83416-1	Exempt	0	NO	4	--	--	1000 potassium hydroxide
Other Use Requirements: None.									
ReLoad	Mono- and dibasic sodium, and ammonium phosphites (P 07)	87865-1	Exempt	0	NO	12	--	--	--
Other Use Requirements: None.									
Rendition	Peroxyacetic acid (NC) Hydrogen peroxide (NC)	68660-14-70051	P Exempt up to 100 ppm in solution HP Exempt when = 1% per application	0	YES	1	--	--	--
Other Use Requirements: None.									
Resist 57	Mono- and dipotassium salts of phosphorous acid (P 07)	82940-1	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply at intervals less than 3 days. Do not use more than the highest rate/application.									
Reveille	Potassium phosphite (P 07)	42519-22-5905	Exempt	0	NO	4	--	--	--
Other Use Requirements: No more than 3 applications.									
Revus	Mandipropamid (40)	100-1254	0.70 (dried pulp) 15 (oil) 0.50 (fruit, group 10-10)	0	NO	4	--	--	--
Other Use Requirements: Do not use more than twice a year. For field use, do not apply more than 16 fl oz (0.26 lb a.i.) of product/acre/season. In nurseries, do not apply more than 32 fl oz (0.52 lb a.i.) of product/acre/season.									
Ridomil Gold GR	Mefenoxam (4)	100-798	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	--	>14,000 (naphthalene 100 lb)
Other Use Requirements: Do not exceed the equivalent 6 lb a.i./ac of mefenoxam-containing products. Do not apply more than 240 lb/ac/year. Do not use in greenhouse nurseries. Minimum application interval is 90 days.									

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	EPCRA ⁵		RQ(lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Ridomil Gold SL	Mefenoxam (4)	100-1202	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	1	2	>3,500 gal
Other Use Requirements: Do not exceed the equivalent 6 lb a.i./ac of mefenoxam-containing products. Do not use in nurseries. Minimum application interval is 90 days.									
RightLine PROPI 1.3 MEC	Propiconazole (3)	87290-40-93051	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	--
Other Use Requirements: None.									
Root Shield Granules	<i>Trichoderma harzianum</i> , Rifai strain T-22 (BM 02)	68539-3	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not tank mix Root Shield AG with imazalil, propiconazole, tebuconazole, or triflumizole.									
Root Shield Plus Granules Plus WP	<i>Trichoderma harzianum</i> Rifai strain T-22 (BM 02) <i>T. virens</i> strain G-41 (BM 02)	68539-10 68539-9	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Root Shield WP	<i>Trichoderma harzianum</i> , Rifai strain T-22 (BM 02)	68539-7	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
SaniDate HC	Peroxyacetic acid (NC) Hydrogen peroxide (NC)	70299-31	P Exempt up to 100 ppm in solution HP Exempt when = 1% per application	0	YES	1	H 1000 P 500	--	H 1000 P 500
Other Use Requirements: Posting required for chemigation.									
Satori	Azoxystrobin (11)	34704-1068	Fruit (group 10-10) 15.0 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 90.0 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for nursery use. Minimum reapplication interval is 7 days.									
Serenade ASO MAX OPTI (Optimum) Soil	<i>Bacillus subtilis</i> strain QST 713 (BM 02)	264-1152 264-1151 264-1160 264-1152	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Serifel Biofungicide	<i>Bacillus amyloliquefaciens</i> MBI 600 (BM 02)	71840-18	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									

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	EPCRA ⁵		RQ(lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
Shepherd	Propiconazole (3)	69117-3	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	24	1	2	--
Other Use Requirements: Do not apply more than 5.4 gal (0.67 lb a.i./ac/season.									
Slant EC	Propiconazole (3)	91234-25 91234-221	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	10,000 lb	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i./ac/season.									
SNS-209 Organic Systemic Pest Control	Rosemary and rosemary oil (NC)	NA	Exempt	0	NO	0	--	--	--
Other Use Requirements: None.									
Sonata	<i>Bacillus pumilis</i> strain QST-2808 (BM 02)	264-1153	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
SOPP Soap	Sodium ortho-phenylphenate (NC)	64864-45	10	PH ⁸	NA	NA	--	--	--
Other Use Requirements: Postharvest only.									
Stergo MX	Mefenoxam (4)	91234-222	Nonbearing 1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	21	NO	48	10,000	--	--
Other Use Requirements: Not for greenhouse nursery use. Do not apply more than 3.0 fl oz (0.047 lb a.i./treatment. Minimum retreatment interval is 12 weeks.									
Strider	Propiconazole (3)	228-623	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--	--
Other Use Requirements: Do not apply more than 5.4 gal (0.67 lb a.i./ac/season.									
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: Nonbearing. Do not exceed the equivalent 6 lb a.i./ac of mfenoxam-containing products. Do not use in greenhouse nursery stock intended for commercial use.									
Tenet WP	<i>Trichoderma asperellum</i> Strain ICC 012 (BM 02) <i>T. gamsii</i> strain ICC 080 (BM 02)	80289-9	Exempt	0	NO	1	--	--	--
Other Use Requirements: Not compatible with imazalil, dichloran, mancozeb, propiconazole, tenbuconazole, thiram, and triflumizole. Do not tank-mix or apply Tenet within 3 days before or after use of these products.									

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	EPCRA ⁵		RQ(lb a.i.) ⁷
							TPQ (lb a.i.) ⁶		
TerraClean 5.0	Peroxyacetic acid (NC) Hydrogen dioxide (NC)	70299-13	P Exempt up to 100 ppm in solution HP Exempt when = 1% per application	0	YES	0	H 1000 P 500	2	H 1000 P 500
Other Use Requirements: Post when chemigating.									
TerraCyte PRO	Sodium carbonate peroxyhydrate	70299-15	NA	0	NO	1	--	--	--
Other Use Requirements: None.									
Tetraban	Azoxystrobin (11)	1381-267 33270-32	Fruit (group 10-10) 15.0 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Do not use in citrus nurseries.									
Tide Propiconazole 41.8EC	Propiconazole (3)	84229-11	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) PropiMax EC/ac/season.									
Tigris Azoxy 2 SC	Azoxystrobin (11)	92647-2	Fruit (group 10-10) 15.0 20 (dried pulp) 40 (oil)	0	NO	4	10,000	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season. Not for nursery use.									
Tigris Prop 41.8%	Propiconazole (3)	92647-20	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12	NO	12	10,000	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.)/ac/season.									
Tilt	Propiconazole (3)	100-617	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	>1,000 gal (p-xylene 100)
Other Use Requirements: Do not apply more than 0.67 lb a.i. (24 fl oz/ac/season) of Tilt.									
Timorex Act	Tea tree oil (BM 01)	86182-3-88783	Exempt	48	NO	4	10,000	--	--
Other Use Requirements: None.									
Topaz	Propiconazole (3)	42750-211-1381	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	--	100 lb naphthalene
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) PropiMax EC/ac/season.									
TREVO fungicide	Azoxystrobin (11)	89168-41-89391	Fruit (group 10-10) 15.0 20 (dried pulp) 40 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 92.3 fl oz/ac/season for all uses or 1.5 lb a.i./ac/season.									

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	EPCRA ⁵	
							TPQ (lb a.i.) ⁶	RQ (lb a.i.) ⁷
Triathlon BA	<i>Bacillus amyloliquefaciens</i> strain D747 (BM 02)	70051-107-59807	Exempt	0	NO	4	1	2
Other Use Requirements: None.								
Trilogy	Neem oil extract (IRAC 18) (NC)	70051-2	Exempt	0	NO	4	--	--
Other Use Requirements: Do not apply while bees are actively foraging. Do not apply within 5 days of a sulfur application.								
TurfShield Plus WP	<i>Trichoderma harzianum</i> Rifai strain T-22 (BM 02) <i>Trichoderma virens</i> strain G-41 (BM 02)	68539-9	Exempt	0	NO	4	--	--
Other Use Requirements: Not compatible with imazalil, propiconazole, tenbuconazole, and triflumizole. Do not tank-mix or apply TurfShield within 3 days before or after use of these products.								
Ultra Flourish	Mefenoxam (4)	55146-73	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	100 lb (Naphthalene)
Other Use Requirements: Do not exceed the equivalent 6 lb a.i./ac (24 pints) of mefenoxam-containing products. No more than 3 applications/season.								
Vacciplant	Laminarin (P 04)	83941-2-66330	Exempt	0	NO	4	--	--
Other Use Requirements: None.								
Veltyma	Pyraclostrobin (11) Mefentrifluconazole (3)	7969-409	P 12.5 (dried pulp) P 9.0 (oil) P Fruit (group 10-10) 2.0 M 2.0 (dried pulp) M 15 (oil)	0	NO	12	--	--
Other Use Requirements: Do not apply more than 30 fl oz (0.39 lb mefentrifluconazole and pyraclostrobin)/ac/year. Do not make more than 3 applications. Minimum retreatment interval of 14 days.								
Velum Prime	Fluopyram (7)	264-1078 264-1078	1.0 fruit, (group 10-10) 8.0 (oil)	7	NO	12	--	--
Other Use Requirements: Do not exceed the equivalent 0.446 lb a.i./ac (13.7 fl oz Velum) of fluopyram-containing products.								
Willowood Propicon 3.6EC	Propiconazole (3)	87290-7	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	226 gal
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.)/ac/season.								
Willowood Pyrac 2EC	Pyraclostrobin (11)	87290-64	12.5 (dried pulp) 9.0 (oil) Fruit (group 10-10) 2.0	0	NO	12	1,000 lb Ethylene oxide	10 (ethylene oxide) 1463528.9
Other Use Requirements: Do not apply more than 54 fl oz (0.88 lb a.i.)/ac/season. No more than 2 sequential applications. Minimum reapplication interval is 10 days.								

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	EPCRA ⁵	
							TPQ (lb a.i.) ⁶	RQ (lb a.i.) ⁷
Xylar FC	Metalaxyl (4)	89118-12	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	1	2
Other Use Requirements: Do not exceed the equivalent 4.3 gal or 12.0 lb a.i./ac of mefenoxam-containing products. Do not use in greenhouse nurseries.								

¹ Mode of action class for citrus pesticides from the Insecticide, Fungicide, and Herbicide Resistance Action Committees. Refer to [chapter 4, Pesticide Resistance and Resistance Management](#), for more details.

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

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 at 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, is in solution, or is a fine powder; 2 = is a granular or other larger particle form.)

⁷ Reportable Quantity. 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; PH = postharvest only.

⁹ 5L = See Label for use restrictions.

Table 6. Pesticides registered for use on Florida citrus—herbicides.

Trade Name or Generic Name	Common Name (HRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm)	Days to Harvest	Field Posting Required ³	REI Hr	EPCRA ⁴		
							TPQ (lb a.i.) ⁵		RQ (lb a.i.) ⁶
							1	2	
Aim EC	Carfentrazone-ethyl (E)	279-3241	0.1	3	NO	12	--	--	--
Other Use Requirements: None.									
Alion	Indaziflam	264-1106	0.01	7	NO	12	--	--	--
Other Use Requirements: 24(c) SLN No. FL-110004; for application in citrus groves to trees established less than one year.									
AXXE	Ammonium nonanoate (Z)	70299-23	NA ⁷	0	NO	4	--	--	--
Other Use Requirements: None.									
Broadworks	Mesotrione	100-1131	0.01	30	NO	12	--	--	--
Other Use Requirements: Do not exceed 6 fl oz/ac at the first application. Do not exceed 12 fl oz/ac or more than 3 applications within a 12-month period. Allow at least 5 months between applications at 6 fl oz/ac, and at least 6 weeks between applications of 6 fl oz/ac and subsequent applications at 3 fl oz/ac.									
Bromacil Hyvar X	Bromacil Bromacil (C1)	352-287	0.1	0	NO	12	--	--	--
Other Use Requirements: See Best Management Practice guidelines.									
Bromacil + Diuron Krovar I DF	Bromacil + diuron (C1, C2)	352-505	0.1, 1	0	NO	12	--	--	--
Other Use Requirements: See Best Management Practice guidelines.									
Chateau SW	Flumioxazin (E)	59639-99	0.02	3	NO	12	--	--	--
Other Use Requirements: None.									
Diuron	Diuron (C2)		NA	0	NO	12	100	--	--
Direx 4L		66222-54							
Diuron 4L		19713-36 (Drexel)							
Diuron 4L		9779-329 (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 Requirements: None.									
Embed Extra	2,4-D (O)	62719-726		7	NO	48	--	--	--
Other Use Requirements: 24c special local needs label for Florida. See supplemental labeling for restrictions.									
Fusilade DX	Fluazifop-P-butyl (A)	100-1070		14	NO	12	--	--	--
Other Use Requirements: None.									

Trade Name or Generic Name	Common Name (HRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm)	Days to Harvest	Field Posting Required ³	REI Hr	EPCRA ⁴		
							TPQ (lb a.i.) ⁵		RQ (lb a.i.) ⁶
							1	2	
Glyphosate	Glyphosate (G)		0.5	1	NO	4 to 12*	--	--	--
Buccaneer		55467-10							
Buccaneer Plus		55467-9							
Credit Extra		71368-65				4 to 12*			
Durango		62719-517							
Durango DMA		62719-556							
Glyphomax		62719-323							
Glyphomax Plus		62719-322							
Honcho		524-445							
Honcho Plus		524-454							
Mad Dog		34704-889				4			
Mad Dog Plus		34704-890							
Ranger Pro		524-517							
Roundup PowerMax		524-549							
Roundup WeatherMax		524-537							
Touchdown HiTech		100-1182							
Other Use Requirements: None. *See labels for REI details.									
Goal	Oxyfluorfen (E)	(2.0 E) 62719-424	Nonbearing	12 months	NO	24	--	--	--
Other Use Requirements: None.									
Gramoxone SL2.0	Paraquat dichloride(D)	100-1431	0.05N	1	NO	24	10	10,000	1
Gramoxone SL3.0	Paraquat dichloride(D)	100-1652	0.05N	1	NO	24	10	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE. ⁸									
Landmaster II	Glyphosate + 2,4-D (G, O)	SLN FL 00-0004 524-376	5	7	NO	48	--	--	--
Other Use Requirements: See Florida State Statute SE-2.033 and supplemental labeling.									
Matrix Matrix FNV Matrix SG	Rimsulfuron	352-556 352-671 352-768	0.01	3	NO	4	--	--	--
Other Use Requirements: RESTRICTED PESTICIDE. ⁸									
Pendimethalin	Pendimethalin (K1)								
Prowl H ₂ O		241-418		1 day	NO	24	--	--	--
Other Use Requirements: None.									
Poast Plus	Sethoxydim (A)	7969-88	0.5	15	NO	12	--	--	--
Other Use Requirements: None.									

Trade Name or Generic Name	Common Name (HRAC MOA) ¹	EPA Registration Number ²	Tolerance Fruit (ppm)	Days to Harvest	Field Posting Required ³	REI Hr	EPCRA ⁴		
							TPQ (lb a.i.) ⁵		RQ (lb a.i.) ⁶
							1	2	
Remedy Ultra	Triclopyr (O)	62719-552 SLN FL 080004	NA	NA	NO	Until dry	--	--	--
Rely 280	Glufosinate ammonium	264-829	0.15	14	NO	12	--	--	--
Other Use Requirements: None.									
Select 2 EC	Clethodim (A)	59639-3-1381	NA	NA	NO	24	--	--	--
Select Max		59639-132	NA	NA	NO	24	--	--	--
Other Use Requirements: <i>Should be used ONLY in nonbearing citrus trees.</i>									
Simazine	Simazine (C1)		Grapefruit—0.25 Oranges—0.25	NA ⁷	NO	12	--	--	--
Princep Caliber 90		100-603							
Princep 4L		100-526							
Simazine 4L		9779-296							
Simazine 4L		19713-60							
Simazine 4L		34704-687							
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: None.									
Solicam	Norflurazon (F1)	100-849	0.2	30	NO	12	--	--	--
Other Use Requirements: None.									
Surflan Oryzalin 4 A.S.	Oryzalin (K1)	(AS) 70506-43 66222-138	0.05	--	NO	24	--	--	--
Other Use Requirements: None.									
Treevix	Saflufenacil	7969-276	0.03	1	NO	12	--	--	--
Other Use Requirements: None.									
Treflan HFP	Trifluralin (K1)	62719-250	0.05	--	NO	12	10	10,000	10
Other Use Requirements: None.									
¹ Mode of action class for citrus pesticides from the Insecticide, Fungicide, and Herbicide Resistance Action Committees. Refer to chapter 4, Pesticide Resistance and Resistance Management , for more details. ² Extracted from product labels, Code of Federal Regulations and other federal and state regulations. ³ Read product label for specific use precautions, especially Worker Protection Standards and environmental concerns. ⁴ 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 at 1-800-635-7179 for additional details. ⁵ 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, is in solution, or is a fine powder; 2 = is a granular or other larger particle form.) ⁶ 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. ⁷ NA = not available. ⁸ 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.									

Table 7. Pesticides registered for use on Florida citrus—plant growth regulators and other products.

Trade Name or Generic Name	Common Name (Active Ingredients)	EPA Registration Number ¹	Tolerance Fruit (ppm)	Days to Harvest	Field Posting Required ²	REI Hr	EPCRA ³		RQ (lb a.i.) ⁵
							TPQ (lb a.i.) ⁴		
							1	2	
Arrive Plus	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	57538-13-89391	Exempt	NA	NO	4			
Other Use Requirements: None.									
Ascend	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	(SL)1381-253 (WSG)1381-254	Exempt	NA	NO	4			
Other Use Requirements: None.									
Biorend	Chitosan (poly-D-glucosamine)	91664-1	Exempt	NA	NO	4			
Other Use Requirements: None.									
Citrus Fix	Isopropyl	5481-145	3	7	NO	12	--	--	--
Other Use Requirements: RESTRICTED PESTICIDE. ⁶									
Cytokinin Bioregulator Concentrate	Cytokinin	90930-3	Exempt	NA	NO	4			
Other Use Requirements: None.									
Cytoplex HMS	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	90930-6	Exempt	NA	NO	4			
Other Use Requirements: None.									
Drexel Sprout-Stop	Potassium Salt of maleic hydrazide	19713-2	NA	--	NO	12			
Other Use Requirements: None, use on nonbearing.									
Endurance	Choline chloride + gamma aminobutyric acid	34704-1125		NA	NO	4			
Other Use Requirements: None.									
Falgro	Gibberellic Acid	(20SP) 62097-3-82917 (4L) 62097-2-82917	Exempt	0	NO	4			
Other Use Requirements: None.									
Fortified Stimulate Yield Enhancer Plus	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid + Indole-3-Acetic Acid	57538-49	Exempt	NA	NO	4			
Other Use Requirements: None.									
Homobrassinolide	Homobrassinolide	69361-49	Exempt	15	NO	4			
Other Use Requirements: None.									
Hone Plant Growth Stimulant	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	62097-51-82917		NA	NO	4			
Other Use Requirements: None.									
Hormodin 3	Indole-3-butyric Acid	59807-3	NA	--	--	--			
Other Use Requirements: Use on propagation.									
KickStand PGR	Indole-3-butyric Acid	5905-540	Exempt	NA	NO	4			
Other Use Requirements: None.									

Trade Name or Generic Name	Common Name (Active Ingredients)	EPA Registration Number ¹	Tolerance Fruit (ppm)	Days to Harvest	Field Posting Required ²	REI Hr	EPCRA ³		RQ (lb a.i.) ⁵
							TPQ (lb a.i.) ⁴		
							1	2	
MavRx	Cytokinin + Indole-3-butyric Acid	89168-77-89391	Exempt	NA	NO	4			
Other Use Requirements: None.									
N-Large	Gibberellic Acid	57538-18	Exempt	7	NO	12			
Other Use Requirements: None									
ProGibb	Gibberellic acid	(4%) 73049-15 (40%) 73049-1 (LV) 73049-498	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Radiate	Cytokinin + Indole-3-butyric Acid	34704-909	Exempt	NA	NO	4			
Other Use Requirements: None.									
Receptor	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	5905-594	Exempt	NA	NO	4			
Other Use Requirements: None.									
Rhizopon AA #3	Indole-3-butyric Acid	63310-21	NA	--	NO	0			
Other Use Requirements: None. Use on propagation.									
Rio	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	66330-381	Exempt	NA	NO	4			
Other Use Requirements: None.									
Stimplex	Cytokinin	75287-3	Exempt	0	NO	4			
Other Use Requirements: None.									
Stimulate Yield Enhancer Plus	Cytokinin + Gibberellic Acid + Indole-3-butyric Acid	57538-53	Exempt	NA	NO	4			
Other Use Requirements: None.									
Throttle	Cytokinin + Indole-3-butyric Acid	62097-55-82917	Exempt	NA	NO	4			
Other Use Requirements: None.									
Validate	Cytokinin	34704-910	Exempt	40	NO	4			
Other Use Requirements: None.									
X-Cyte	Cytokinin	57538-15	Exempt	NA	NO	4			
Other Use Requirements: None.									
X-Pand	Gibberellic Acid	57538-63	Exempt	0	NO	4			
Other Use Requirements: None.									
¹ Extracted from product labels, Code of Federal Regulations and other federal and state regulations. ² Read label for specific use precautions, especially Worker Protection Standards & 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 at 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, is in solution, 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.									