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2026–2027 Florida Citrus Production Guide: Pesticides Registered for Use on Florida Citrus[1]

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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. Table 4 lists other products grouped according to use: insecticides, acaricides, and nematicides. Table 5 lists molluscicides. Table 6 lists fungicides. Table 7 lists herbicides. Table 8 lists other products such as plant growth regulators and fumigants.

READ THE LABEL.

Table 1. Copper fungicides (FRAC MOA M01) 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	10163-396	X	X	X	ND	X
Badge X_2	Copper oxychloride + copper hydroxide	28.2	10163-402	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[5]	Copper diammonia diacetate complex	8.0	10465-3	X	ND	X	ND	ND
Copper Sulfate Crystals[5]	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 Flex	Basic copper sulfate	40	70506-393	ND	ND	ND	ND	ND
Cuprofix Ultra 40 Disperss	Basic copper sulfate	40	70506-201	X	X	ND	ND	X
Instill	Copper sulfate pentahydrate	5.4	49538-5-92632	ND	ND	ND	ND	ND
Instill-O	Copper sulfate pentahydrate	3.1	49538-7-92632	ND	ND	ND	ND	ND
Kalmor[3]	Copper hydroxide	30	91411-11-59807	ND	ND	ND	ND	ND
Kocide 2000-O	Copper hydroxide	35	91411-10-70051	ND[4]	ND[4]	ND[4]	ND[4]	ND[4]
Kocide 3000-O	Copper hydroxide	30	91411-11-70051	ND[4]	ND[4]	ND[4]	ND[4]	ND[4]
KOP-Hydroxide	Copper hydroxide	24.4	19713-301	ND	ND	ND	ND	ND
KOP-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

Trade Name	Common Name	Cu (%)[1]	EPA Reg. No.	Evaluated for:[2]				
				Melanose	Greasy Spot	Alternaria	Scab	Canker
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
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.

[3] Nonbearing citrus only.

[4] These products were tested to be effective for all listed diseases as previous formulations, but the new formulations have not yet been assessed. It is expected they are as effective as the previous formulations.

[5] These products have a 48-hour REI.

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 80 DF	Sulfur	80%	937-45-1-2935	X	X	ID	ID
Brandt Lime Sulfur	Calcium polysulfide	29%	61842-30-48813	X	–	ID	ID
Cosavet DF	Sulfur	80%	70905-1	X	–	ID	ID
Crusade DF	Sulfur	80%	62562-8-71058	X	X	ID	ID

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
Drexel 80% Micronized Wettable Sulfur	Sulfur	80%	19713-552	X	–	ID	ID
Drexel Suffa	Sulfur	52%	19713-39	X	X	ID	ID
Drexel Suffa Supreme	Sulfur	52%	19713-712	X	X	ID	ID
Drexel Sulfur 80 WDG	Sulfur	80%	19713-674	X	X	ID	ID
Lime-Sulfur Solution	Calcium polysulfide	29%	61842-30-90930; 61842-30	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
Thiolux	(Micronized) sulfur	80%	34704-1079	X	–	ID	ID
Yellow Jacket Wettable Sulfur	Sulfur	53%	6328-22	X	X	ID	ID
Yellow Jacket Wettable Sulfur II	Sulfur	90%	6325-22	X	–	ID	ID

[1] X indicates product is 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

Company	Trade Name	Midpoint Boiling Range	EPA No.[1]	Efficacy[2]	
				Greasy Spot	Citrus Rust Mite
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	+	+
Integrated Agribusiness Professionals (IAP)	435 All Purpose Spray Oil	435°F	71058-2	ID	ID
Integrated Agribusiness Professionals (IAP)	455 All Purpose Spray Oil	455°F	71058-2	ID	ID
JMS Flower Farms, Inc.	JMS Stylet-Oil	Unknown	65564-1	ID	ID
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	415 Superior Spray Oil	415°F	2935-546	ID	ID

Company	Trade Name	Midpoint Boiling Range	EPA No.[1]	Efficacy[2]	
				Greasy Spot	Citrus Rust Mite

[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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Abamectin Products	Abamectin (6)		0.02	7	NO	12	-	10,000	-
Abacus V Abacus V6		83100-32-83979 83100-59-83979							
Abamectin 0.15 LV		87290-68							
Abamectin 0.7 SC		87290-36							
Abamex		228-734							
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 per growing season. Do not apply more than 40 fl oz (0.047 lb a.i.) per acre of any abamectin product in a growing season.									
Acenthrin	Acephate (1B) Bifenthrin (3A)	70506-339	Nonbearing	N/A	NO	24			
Other Use Requirements: Do not harvest citrus for one year after treatment. Spray with 100–200 gal of water per acre.									
Acephate products	Acephate (1B)		Nonbearing	12 months	NO	24		10,000	
Acephate 90 Prill		53883-253							

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Acephate 90 WDG		34704-1051 84229-7							
Acephate SG		5905-620							
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. per acre and 7 days for rates greater than 0.5 lb a.i. per acre.									
Acephate 97 SG	Acephate (1B)	80697-13	Nonbearing	0	NO	24	-	-	-
Other Use Requirements: Ground application. Toxic to bees and birds.									
Aceta	Acetamiprid (4A)	5905-613	1	7	NO	12	-	-	-
Other Use Requirements: Maximum of 5 applications. Limit to 29.3 oz (0.55 lb a.i.) per acre per crop.									
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 29.3 oz (0.55 lb a.i.) per acre per crop.									
Acronyx 4F	Imidacloprid (4A)	91234-164	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 or 0.5 lb a.i. per acre per year.									
Actara	Thiamethoxam (4A)	100-938	0.4	0	NO	12	-	-	-
Other Use Requirements: Do not exceed a total of 11.0 oz (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.									
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 or 0.5 lb a.i. per acre per 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.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Advise Four 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 (0.5 lb a.i.) per acre per year.									
Afflict 30 SG Afflict 70 WP	Acetamiprid (4A)	2749-610 2749-609	1	7	NO	12	-	-	-
Other Use Requirements: Maximum of 5 applications. Limit to 29.3 oz (0.55 lb a.i.) per acre per crop. Toxic to aquatic invertebrates, pollinating insects, and birds.									
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 per acre of Agri-Flex or more than 0.047 lb a.i. per acre of any foliar-applied abamectin product or more than 0.172 lb a.i. per acre 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 USE PESTICIDE.[8] Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees.[9] Limit of 3 applications per growing season. Do not apply more than 8.5 fl oz (0.047 lb a.i.) per acre of any abamectin-containing product per growing season.									
Agro Pro X Agro XP	Sesame oil (UNE) Soybean oil (UNE)	Exempt	N/A	0	NO	0	-	-	-
Other Use Requirements: Follow label for specific mixing instructions.									
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 or 0.5 lb a.i. per acre per year.									
Alluma	Garlic oil (UNE)	Exempt	N/A	0	NO	0	-	-	-
Other Use Requirements: The pH of spray solution must be kept between 6 and 7. Use spray solutions within 12 hours of mixing.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Altacor Altacor eVo	Chlorantraniliprole (28)	352-730; 279-9607 279-9660	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (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)	101563-186, 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.									
Amavi SC	Abamectin (6)	89167-123-89391	0.02	7	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees.[9] Limit of 3 applications per growing season.									
Amdro	Hydramethylnon (20A)	241-322	N/A	0	NO	12	-	-	-
Other Use Requirements: Toxic to fish.									
Anarchy 30 SG Anarchy 70 WP	Acetamiprid (4A)	34704-1096 34704-1098	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	N/A	0	NO	0	-	-	-
Artist	Thiamethoxam (4A)	83529-125	0.4	0	NO	12	-	-	-

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Other Use Requirements: Do not exceed a total of 11.0 oz (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.									
ArVida 30 SG ArVida 70 WP	Imidacloprid (4A)	9123-14 9123-15	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 per acre per season.									
Assail 30 SC Assail 30 SG	Acetamiprid (4A)	8033-141-70506 8033-36-70506	0.5	7	NO	12	-	-	-
Other Use Requirements: Limit to 5 applications per year. Limit to 29.3 oz (0.55 lb a.i.) 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 12.5 oz (0.55 lb a.i.) per acre per crop.									
Aster 30 SG	Acetamiprid (4A)	93930-87	0.5	7	NO	12	-	-	-
Other Use Requirements: Limit to 5 applications per year. Limit to 12.5 oz (0.55 lb a.i.) per acre per crop.									
Ateka	Spirotetramat (23)	66222-313	0.6	1	NO	24	-	-	-
Other Use Requirements: Do not apply more than 32 fl oz (0.32 lb a.i.) per acre per growing season. Do not apply within 10 days prior to bloom, during bloom, or until petal fall is complete.									
Atrevia 1.2% SL Atrevia 3.0% SL	Azadirachtin (UN)	91234-306 91234-305	Exempt	0	NO	12	-	-	-
Other Use Requirements: Toxic to fish and aquatic animals.									
Avenger S3 Avenger Max	Bifenthrin (3A) Imidacloprid (4A)	89168-21-89391 89168-85-89391	0.05 0.07	1	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms and pollinators including bees. Maximum of 64 fl oz per season.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Averland FC Averland SM	Abamectin (6)	89118-10 89118-7	0.02	7	NO	12	-	10,000	-
Other Use Requirements: Toxic to aquatic organisms, bees, and wildlife. Maximum of 8.5 fl oz 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.									
Azatin O	Azadirachtin (UN)	70051-9-59807	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Azomar	Azadirachtin (UN)	91234-14-92488	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Bacillus thuringiensis			Exempt	0	NO	4	-	-	-
Agree WG	*Bt aizawai* strain GC-91	70051-47							
Biobit HP	*Bt kurstaki* strain ABTS-351	73049-54							
Bioprotec PLUS	*Bt kurstaki* strain EVB-113-19	89046-12							
BT Now	*Bt kurstaki* strain EVB-113-19	89046-12-70299							
Crymax	*Bt kurstaki* strain EG7841	70051-86							
Deliver	*Bt kurstaki* strain SA-12	70051-69							
DiPel DF	*Bt kurstaki* strain H0-1	73049-39							

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Javelin WG	*Bt kurstaki* strain SA-11	70051-66							
Leprotec	*Bt kurstaki* strain EVB-113-19	70051-66-88847		0	NO	4			
XenTari	*Bt aizawai* strain ABTS-1857								
Other Use Requirements: None.									
Banister 2 EC Banister LFC	Bifenthrin (3A)	93930-17 93930-23	0.05	1	NO	12	-	-	100
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Batallion 10 WSP Batallion 2 EC Batallion LFC	Bifenthrin (3A)	91234-117 91234-104 91234-177	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Baythroid XL	Beta-cyfluthrin (3A)	264-840	0.2	0	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to aquatic invertebrates; highly toxic to honeybees.[9] Do not apply directly to water.									
Belay	Clothianidin (4A)	59639-150	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	Flonicamid (29)	71512-10-279	4.5	0	NO	12	-	-	-
Other Use Requirements: Maximum of 8.4 oz per acre per season.									
Bemix	Clove oil (UN)	Exempt	N/A	0	No	0	-	-	-
Other Use Requirements: Use immediately after mixing — do not store diluted solution. Water pH must be between 4 and 8.									
Bestero 50 WG	Flonicamid (29)	91234-300	4.5	0	NO	12	-	-	-

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Other Use Requirements: Maximum of 8.4 oz per acre per season.									
Bi-Dash 2E	Bifenthrin (3A)	83529-48	0.05	1	NO	12	-	-	-
Bifen 2 AG Gold Bifen 2 EC Select	Bifenthrin (3A)	83222-1 92647-32	0.05	1	NO	12			
Bifender FC	Bifenthrin (3A)	89118-2	0.05	1	NO	12	-	10,000	-
Bifenthrin 2 EC Bifenthrin LFC Bifenthrin Technical	Bifenthrin (3A)	2749-5565905-626 94730-21 91813-53	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Bifenture EC Bifenture 10 DF Bifenture LFC	Bifenthrin (3A)	70506-57 70506-227 70506-305	0.05	1 1 0	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
BioCeres EC BioCeres GR BioCeres WP	*Beauveria bassiana* strain ANT-03	89600-4 89600-7 89600-2	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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
BioCover MLT BioCover SS BioCover UL	Mineral oil (UN)	34704-805 34704-809 34704-806	N/A	60 60 0	-	4 4 4	-	-	-
Other Use Requirements: Toxic to aquatic organisms.									
Bizate 4SC	Bifenazate (20D)	34704-1116	Nonbearing	-	-	12	-	-	-
Other Use Requirements: Maximum of 1 application per season. Toxic to aquatic invertebrates, pollinators, and birds.									
Botanigard ES Botanigard WP Botanigard Optima ES	*Beauveria bassiana* strain GHA	82074-1 82074-2 82074-17	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Botanigard MAXX	*Beauveria bassiana* strain GHA Pyrethrins (3A)	82074-5	Exempt	0	NO	12	-	-	-
Other Use Requirements: None.									
BoteGHA ES BoteGHA Optima ES	*Beauveria bassiana* strain GHA	82074-1 82074-17	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Boxadon 360 SC	Spirotetramat (23)	70506-643	0.6	1	NO	24	-	-	-
Other Use Requirements: Do not apply more than 20 fl oz (0.32 lb a.i.) per acre per crop season. Do not apply within 10 days prior to bloom, during bloom, or until petal fall is complete.									
Bracket 90 WDG	Acephate (1B)	84229-7-1381	Nonbearing	12 months	NO	24	-	-	-
Other Use Requirements: Do not harvest citrus for 1 year after treatment. Minimum 3 days spray interval for up to 0.5 lb a.i. per acre and 7 days for rates greater than 0.5 lb a.i. per acre.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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. per acre and 7 days for rates greater than 0.5 lb a.i. per acre.									
Brandt Ecotec Plus	Geraniol Peppermint oil Rosemary oil	Exempt	N/A	0	0	0	-	-	-
Other Use Requirements: None.									
Brigade 2 EC	Bifenthrin (3A)	279-3313	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Brigade eVo	Bifenthrin (3A)	279-9675	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Brigade WSB	Bifenthrin (3A)	00279-3108	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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 USE PESTICIDE.[8] Maximum of 0.13 lb a.i. per acre per season of imidacloprid and 0.13 lb a.i. per acre per season of bifenthrin.									
Bronte	Inactivated *Burkholderia rinojensis* strain A396	84059-34	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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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	-	-	-
Other Use Requirements: None.									
Capture LFR	Bifenthrin (3A)	279-3302	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Carbaryl 4L (see also Sevin)	Carbaryl (1A)	34704-447; 19713-49	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	Flonicamid	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.									
Chlorpyrifos 4E AG	Chlorpyrifos (1B)	66222-19	1	21 (0–7 pt) 35 (7–12 pt)	YES	5 days	100	10,000	1
Other Use Requirements: ***Check current label and tolerances prior to use.*** Tolerances have been revoked and reinstated over the course of recent years. RESTRICTED USE PESTICIDE[8]. Toxic to fish, aquatic organisms, mammals, and birds. Limit 2 applications per year.									
Clever 50 DF	Hexythiazox (10A)	91234-38	Nonbearing	0	NO	12		10,000	-
Other Use Requirements: Maximum of 1 application per season.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Clinch Ant Bait	Abamectin (6)	100-894	0.02	0	NO	12	-	-	-
Other Use Requirements: None.									
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.									
Contigo 600 SC	Chlorantraniliprole (28)	91234-380	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop season.									
Contraxio SC	Spinosad (5)	91234-281	0.3	1	NO	4	-	-	-
Other Use Requirements: Maximum of 5 applications per season.									
Cortes Maxx	Zeta-cypermethrin (3A)	91234-273	0.3	1	NO	1	-	10,000	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish and aquatic organisms. Do not apply more than 0.2 lb a.i. zeta-cypermethrin per acre per season.									
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 per acre per season.									
Danitol 2.4 EC Spray	Fenpropathrin (3A)	59639-35	2	1	NO	24	-	10,000	100
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish, aquatic organisms, and honeybees. Do not apply during bloom.									
Datsun	Zeta-cypermethrin (3A)	83529-234	0.3	1	NO	1	-	10,000	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish and aquatic organisms. Do not apply more than 0.2 lb a.i. zeta-cypermethrin per acre per season.									
Debug ON	Fats and Glyceridic oils, margosa	1021-2879	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Debug Optimo	Fats and Glyceridic oils, margosa Azadirachtin	1021-2876	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									
Debug Tres	Oils, margosa Azadirachtin	1021-2877	Exempt	0	NO	4	-	-	-
Other Use Requirements: OMRI-listed, toxic to aquatic invertebrates, fish, and bees.									
Debug Turbo	Oils, margosa Azadirachtin	70310-5; 1021-2874	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 (0.188 lb a.i.) per acre per season. Do not make more than 3 applications per calendar year.									
DeltaGard	Deltamethrin (3A)	101563-155	0.02	0	NO	0	-	-	-
Other Use Requirements: Do not apply more than 10 fl oz per acre per season.									
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.									
Diflubenzuron 2SC	Diflubenzuron (15)	84229-49	3	7	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to aquatic organisms.									
Dimate 4 EC	Dimethoate (1B)	9779-273	2	15–45 (depending on rate)	YES	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.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Discipline 2EC	Bifenthrin (3A)	5481-517	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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 (4A) Cyfluthrin (3A)	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.									
Dominus	Allyl isothiocyanate (UN)	89285-2; 10163-387	Exempt	0	YES	5 days	-	-	-
Other Use Requirements: Do not apply within 25 feet of occupied structure.									
Dimethoate 4 EC	Dimethoate (1B)	19713-231	2	15–45 (depending on rate)	YES	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.									
Drexel Damoil	Petroleum oil (UN)	19713-123	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Drexel Damoil Supreme	Mineral oil (UN)	19713-708	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Ecotrol PLUS	Geraniol, Peppermint oil, Rosemary oil (UN)	Exempt	N/A	0	NO	0	-	-	-
Other Use Requirements: None.									
EcoWorks	Neem oil (UN)	89152-4	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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Ecozin Plus 1.2% ME	Azadirachtin (UN)	-	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.									
Engame	Methoxyfenozide (18)	62719-442	3	1	NO	4	-	-	-
Other Use Requirements: Maximum of 4 applications per season. Maximum of 64 fl oz per acre.									
Enterik 0.15 LV Enterik 0.7 SC	Abamectin (6)	91234-51 91234-252	0.02	7	NO	12	-	-	-
Other Use Requirements: Maximum of 40 oz per acre per season. Toxic to amphibians, bees, and aquatic organisms.									
Entrapment CK Entrapment FV Entrapment RC Entrapment SP	Xanthan gum (UN)	92988-3 92988-2 92988-4 92988-2	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
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 (0.45 lb a.i.) 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 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Eprius 0.5 G FAB	Pyriproxyfen (7C)	34704-1171	0.5	1	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms. Do not water treated area for 24 hours after application. Do not apply any other ant pesticide for 7–10 days after application.									
Esteem Ant Bait	Pyriproxyfen (7C)	59639-114	0.3	1	NO	12	-	-	-
Other Use Requirements: None.									
Estero SC	Spinosad (5)	91234-278	0.3	1	NO	4	-	-	-
Other Use Requirements: Limit to 2 applications per year. Limit to 9 oz (0.45 lb a.i.) per acre per season.									
Ethos Elite LFR	*Bacillus subtilis*, *Bacillus velezensis*, Bifenthrin (3A)	279-9651	0.05	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms and pollinators. Toxic to bees[9]. Do not apply to flowering crops or crops with flowering weeds if bees are visiting them.									
Eventex 400SC	Chlorantraniliprole (28)	83100-77	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop 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.									
Ex-Icute/Rapid-O	Clove oil, Sesame oil, Soybean oil, Rosemary oil (UN)	Exempt	Exempt	0	NO	0	-	-	-
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. per acre of any cyantraniliprole-containing product per year. See label for pollinator restrictions.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Extinguish	Methoprene (7A)	2724-475	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Fanfare EC	Bifenthrin (3A)	66222-261	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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 USE 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)	67702-56-70051	0.3	0	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic invertebrates.									
Fyfanon	Malathion (1B)	279-3540	8	0	NO	12	-	-	-
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.									
GCS Bifenthrin 2EC	Bifenthrin (3A)	94730-8	0.5	1	NO	12	-	-	100
GCS Bifenthrin LFC	Bifenthrin (3A)	94730-21	0.5	0	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Use as a soil barrier application; do not allow application to contact fruit or foliage.									
GCS Methoxy 2F	Methoxyfenozide (18)	94730-10	3	1	NO	4	-	-	-
Other Use Requirements: Maximum of 4 applications per season. Maximum of 64 fl oz per acre.									
Glacial Spray Fluid	Mineral oil (UN)	34704-849	Exempt	0	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic organisms. OMRI listed.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Gladiator	Zeta-cypermethrin (3A) Avermectin (6)	279-3441	0.35	7	NO	12			
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish and aquatic organisms. Do not apply more than 0.2 lb a.i. zeta-cypermethrin per acre and 0.047 lb a.i. avermectin per season. Must be applied with an adjuvant.									
Golden Pest Spray Oil	Soybean oil (UN)	57538-11	N/A	0	NO	4	-	-	-
Other Use Requirements: None.									
Grandevo	*Chromobacterium subtsugae*	84059-27	Exempt	0	NO	4	-	-	-
Other Use Requirements: Highly toxic to honeybees;[9] do not apply during bloom.									
Hexamite	Hexythiazox (10A)	42750-311	0.6	0	NO	12	-	-	100
Other Use Requirements: Do not make more than 1 application per year.									
Imidacloprid 2F 2F T&O 4 F 4SC	Imidacloprid (4A)	38167-36-5905; 84229-15 38167-37-5905 38167-41-5905; 84229-59 87290-326	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees.[9] Toxic to aquatic invertebrates. Limit to 32 oz (0.5 lb a.i.) per acre per year.									
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 (0.5 lb a.i.) per acre per 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 (0.5 lb a.i.) per acre per year.									
Imperium	Deltamethrin (3A)	101563-155	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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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 (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 (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.									
Invicar 2SC	Methoxyfenozide (18)	83100-65	3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 0.55 lb a.i. per acre per season.									
Isarid	*Isaria fumosorosea* strain FE 9901	89635-5	Exempt	0	NO	12	-	-	-
Other Use Requirements: None. OMRI listed.									
Kibosh SC	Spinosad (5)	62719-621	0.3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 29 oz per acre per crop year. Limit 3 applications per season.									
Kryocide	Cryolite (UN)	70506-172	7	15	NO	12	-	-	-
Other Use Requirements: Limit to 90 lb 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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.									
Lancer 2EC Lancer FC	Bifenthrin (3A)	42750-368 45002-36	0.05	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Use as a soil barrier application; do not allow application to contact fruit or foliage.									
Livid 90 Prill Livid 97 Prill	Acephate (1B)	89167-27-89391 89167-35-89391	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. per acre and 7 days for rates greater than 0.5 lb a.i. per acre.									
Macho 2.0 FL 4.0 4 FL	Imidacloprid (4A)	42750-110 42750-140 93930-24	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees.[9] Toxic to aquatic invertebrates. Limit to 32 oz (0.5 a.i.) per acre per year. Do not apply within 10 days prior to bloom or when bees are foraging.									
Madari	Imidacloprid (4A)	93930-24	0.7	0	NO	12	-	-	-
Other Use Requirements: Highly toxic to honeybees.[9] Toxic to aquatic invertebrates. Limit to 32 oz (0.5 a.i.) per acre per year. Do not apply within 10 days prior to bloom or when bees are foraging.									
Malathion 57 EC	Malathion (1B)	279-3607-53883 67760-40-53883	8	7	NO	72	-	10,000	100
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.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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. per acre per year.									
Mallet 2F T&O	Imidacloprid (4A)	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. per acre per 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. per acre per year.									
Match-Up	Bifenthrin (3A) Chlorpyrifos (1B)	34704-1086	Orchard floor application	28	YES	5 days	100	10,000	1
Other Use Requirements: RESTRICTED USE PESTICIDE[8]. For orchard floor application only. Do not contact fruit. Maximum of 3 applications per year. Maximum of 82.1 fl oz per acre per year. Toxic to aquatic organisms, bees, birds, and mammals.									
Micromite 2L Micromite 80WGS	Diflubenzuron (15)	70506-535	0.5	7	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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. per acre per 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.									
Minerio 2F Flex	Imidacloprid (4A)	91234-304	0.7	7	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.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
MitoMax II	Propargite (12C)	2749-577	10	0	YES	16			
Other Use Requirements: RESTRICTED USE PESTICIDE[8]. After 48 hours, workers may enter treated area if they wear proper personal protective equipment. Limit 2 applications per season.									
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. per acre per year.									
Movento	Spirotetramat (23)	264-1050	0.6	1	NO	24	-	-	-
Other Use Requirements: Do not apply more than 20 fl oz (0.32 lb a.i.) per acre per crop season. Do not apply within 10 days prior to bloom, during bloom, or until petal fall is complete.									
Movento MPC	Spirotetramat (23)	264-1065	0.6	1	NO	24	-	-	-
Other Use Requirements: Do not apply more than 32 fl oz (0.32 lb a.i.) per acre per growing season. Do not apply within 10 days prior to bloom, during bloom, or until petal fall is complete.									
Mustang	Zeta-cypermethrin (3A)	279-3126	0.3	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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 Maxx	Zeta-cypermethrin (3A)	279-3426	0.3	1	NO	12	-	10,000	-
Other Use Requirements: RESTRICTED USE 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.									
Mycotrol ESO Mycotrol Optima ES Mycotrol WPO	*Beauveria bassiana* strain GHA	82074-1 82074-17 82074-2	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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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.									
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 per season. Do not apply by air or handgun.									
Nirvana RTU	Bifenthrin (3A)	91234-177-89391	0.05	0	NO	12			
Other Use Requirements: RESTRICTED USE 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.									
NoFly WP	*Isaria fumosorosea* strain FE9901	88664-1	Exempt	0	NO	12	-	-	-
Other Use Requirements: None.									
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.									
Odeza	Buprofezin (16)	71711-21-60063	4	3	NO	12	-	-	-
Other Use Requirements: Maximum of 2 applications per season. Maximum 92 oz per acre per season.									
Onager Onager Optek	Hexythiazox (10A)	10163-277 101163-337	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.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Orthene 97 Orthene Turf, Tree, and Ornamental 97 Spray Orthene Turf, Tree, and Ornamental WSP	Acephate (1B)	5481-8978 5481-8978 5481-8971	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 1 year after treatment. Minimum 3 days spray interval for up to 0.5 lb a.i. per acre and 7 days for rates greater than 0.5 lb a.i. per acre.									
Osaria Osaria Ultra 70 WDG	Chlorantraniliprole (28)	91234-366 91234-379	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop season.									
Pest Out	Cottonseed oil, Clove oil, Garlic oil (UN)	0238-D-D-1	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									
PFR-97 PFR 97 10% ES	*Isaria fumosorosea* Apopka strain 97 (UN)	70051-133 70051-19	Exempt	0	NO	12	-	-	-
Other Use Requirements: None.									
Pilot 15G 4E	Chlorpyrifos (1B)	93182-8 93182-7	1	28 (Orchard floor)	YES	5 days	100	10,000	1
Other Use Requirements: Check current label and tolerances prior to use. Tolerances have been revoked and reinstated over the course of recent years. RESTRICTED USE PESTICIDE[8]. Toxic to fish, aquatic organisms, mammals, and birds. Limit 2 applications per year.									
Plaid 70 WG	Chlorantraniliprole (28)	279-9707	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop season.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Platinum 75 SG	Thiamethoxam (4A)	100-1291	0.4	0	NO	12	-	-	-
Other Use Requirements: Do not exceed a total of 3.67 (0.172 lb a.i.) per acre of thiamethoxam-containing products per acre per growing season. Do not apply during prebloom or during bloom when bees are actively foraging.									
Portal	Fenpyroximate (21A)	71711-19	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 (0.5 lb a.i.) per acre per year.									
Prev-AM	Sodium tetraborohydrate decahydrate (8D)	72662-3	No tolerance established	0	NO	24	-	-	-
Other Use Requirements: None.									
Prokil Cryolite 96	Sodium aluminoflouride (UN)	10163-41	7	15	NO	12	-	-	-
Other Use Requirements: Do not apply more than 90 lb per acre per 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.									
Pylon	Chlorfenapyr (13)	241-374	Nonbearing	Nonbearing	NO	12	-	-	-
Other Use Requirements: Maximum 3 applications per year to nonbearing trees only. Maximum 41 fl oz 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Pyrenone Crop Spray	Piperonyl butoxide (UN) Pyrethrins (3A)	432-1033	8 1	0	NO	12	-	-	16
Other Use Requirements: Toxic to fish.									
Pyronyl Crop Spray	Piperonyl butoxide Pyrethrins (3A)	89459-26	Exempt	0	NO	12	-	-	-
Other Use Requirements: Maximum 10 applications per season. Toxic to aquatic organisms and pollinators.									
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 USE PESTICIDE.[8] Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees.[9] Limit of 3 applications 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	Pyriproxyfen (7C)	91234-59	0.5	1	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.									
Reemit 0.86 EC	Pyriproxyfen (7C)	91234-58	0.5	1	NO	12	-	10,000	100
Other Use Requirements: Maximum 2 applications per season. Maximum 26 fl oz per acre. Toxic to aquatic organisms.									
Requiem Prime	Terpene constituents of the extract of *Chenopodium ambrosioides* (UN)	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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
ReTurn	Oxamyl (1A)	83100-53-83979	3	7	YES	4 days	-	-	100
Other Use Requirements: RESTRICTED USE PESTICIDE[8]. 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)	89168-19-893191 89768-79-89391	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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.									
Ruckus LFR	Bifenthrin (3A)	279-3302-5905	0.05	0	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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.									
Sabano 50 WDG	Flonicamid (29)	91234-301	1.5	0	NO	12	-	10,000	-
Other Use Requirements: Maximum of 3 applications per season. Maximum 8.56 oz per acre. Toxic to bees.									
Seduce Insect Bait	Spinosad (5)	67702-25-7051	0.3	1	NO	4	-	-	-
Other Use Requirements: Maximum 3 applications per season. Maximum 0.45 lb a.i. (including foliar applications) per acre. Toxic to 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.									
Seican	Cinnemaldehyde oil (UN)	91473-2-88783	Exempt	0	NO	4	-	-	-
Other Use Requirements: None.									
Senstar	Pyriproxyfen (7C) Spirotetramat (23)	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. pyriproxyfen per acre per application. Do not apply more than 0.313 lb a.i. spirotetramat and 0.109 lb a.i. pyriproxyfen 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Sevin XLR Plus (see also Carbaryl)	Carbaryl (1A)	61842-37	10	5	NO	12	-	10,000	100
Other Use Requirements: Do not apply more than 20 lb a.i. per acre per year for all uses. Highly toxic to honeybees.[9] Toxic to aquatic invertebrates.									
Shenzi 700 WDG	Chlorantraniliprole (28)	70506-609	1.4	1	NO	12	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop season.									
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.									
Siesta Fire Ant Bait	Metaflumizone (22B)	7969-232	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.									
Simpai	Spinosad (5)	91234-279	0.3	1	NO	4	-	10,000	-
Other Use Requirements: Maximum 29 fl oz per acre per season. Toxic to aquatic invertebrates and pollinators.									
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 per acre per year.									
Skyraider	Bifenthrin (3A) Imidacloprid (4A)	66222-247	0.5 0.7	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Highly toxic to bees. Toxic to aquatic organisms. Maximum 32 fl oz per acre. Limit 0.5 lb a.i bifenthrin per acre per year and limit 0.5 lb a.i. imidacloprid 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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 USE 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. per acre per year.									
SNS-209 Organic Systemic Pest Control	Rosemary, Rosemary oil (UN)	None	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									
Soyote	Soybean oil, Sodium lauryl sulfate (UN)	None	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									
Spear-LEP Spear-T Liquid Concentrate	GS-omega/kappa-Hxtx-Hv1a (32)	88847-6	Exempt	0	NO	4	-	-	-
Other Use Requirements: Limit 10 pt per acre per season.									
Spellbound	Spinetoram (5)	34704-1212	0.3	1	NO	4			
Other Use Requirements: Do not apply more than 12 oz (0.188 lb a.i.) per acre per season. Do not make more than 3 applications per calendar year.									
Spine	Spirodiclofen (23)	83529-202	0.5	7	NO	12	-	-	-
Other Use Requirements: Maximum 1 application per season. Maximum 19.1 fl oz per acre per season. Toxic to bees.									
Spintor 2 SC	Spinosad (5)	62719-294	0.3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 29 oz (0.45 lb a.i.) per acre per crop year. Limit 2 applications per season.									
Spliven	Spinosad (5)	91234-263	0.3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 29 oz (0.45 lb a.i.) 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Squadron LFC	Bifenthrin (3A)	2749-644	0.05	0	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] For soil application only. Maximum 42.5 fl oz per acre per season. Toxic to aquatic organisms and bees.									
Success	Spinosad (5)	62719-292	0.3	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 29 oz (0.45 lb a.i.) per acre per crop year. Limit 2 applications per season.									
Suffoil-X	Mineral oil (UN)	48813-1-68539	Exempt	0	NO	4	-	-	-
Other Use Requirements: Toxic to aquatic organisms.									
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 USE 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: RESTRICTED USE PESTICIDE[8].									
Tempest	Imidacloprid (3A) Bifenthrin (4A)	279-3459-5905	0.05 0.7	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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)	1021-2616	1	0	NO	12	-	-	1
Other Use Requirements: Toxic to bees and aquatic organisms. Maximum of 10 applications per season.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Thwartex	Methoxyfenozide (18)	85588-18	3	1	NO	4	-	-	-
Other Use Requirements: Maximum 4 applications per season. Maximum 64 fl oz per acre per season. Toxic to aquatic invertebrates.									
Tigris Imida 4F	Imidacloprid (4A)	92647-22	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 or 0.5 lb a.i. per acre per year.									
Timectin 0.15 EC Ag	Abamectin (6)	84229-2	0.02	7	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish, mammals, and aquatic organisms. Highly toxic to honeybees.[9] Limit of 3 applications per growing season. Do not apply more than 8.5 fl oz (0.047 lb a.i.) of any abamectin-containing product per acre per growing season.									
Tivado	Spirotetramat (23)	91234-392	0.6	1	NO	24	-	-	-
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. pyriproxyfen per acre per application. Do not apply more than 0.313 lb a.i. spirotetramat and 0.109 lb a.i. pyriproxyfen per acre per year.									
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.									
Trinalor	Chlorantraniliprole (28)	66222-309	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop season.									
Troubadour 2F	Methoxyfenozide (18)	62719-442-5905; 5905-653	3	1	NO	4	-	-	-
Other Use Requirements: 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Tundra EC LFC	Bifenthrin (3A)	1381-196 70506-305-1381	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Turazi	Chlorantraniliprole (28)	279-9607-34704	1.4	1	NO	4	-	-	-
Other Use Requirements: Do not make more than 3 applications per season. Do not apply more than 9 oz (0.2 lb a.i.) of chlorantraniliprole-containing product per acre per crop season.									
TurnStyle	Methoxyfenozide (18)	70506-332	3	1	NO	4			
Other Use Requirements: Do not apply more than 1 lb a.i. per acre per season. Do not apply more than 16 fl oz per acre per application.									
Tyoga	Fenpyroximate (21A)	71711-19-60063	1	2	NO	12	-	-	-
Other Use Requirements: Maximum 2 applications per season. Maximum 4 pt per acre per season. Toxic to aquatic organisms.									
Vendex 50WP	Fenbutatin oxide (12B)	70506-211	20	7	NO	48	-	10,000	-
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish; limited to 2 applications per 12-month period with at least a 60-day interval.									
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	0.70	1	NO	4	-	-	-
Other Use Requirements: Do not apply more than 0.4 lb a.i. per acre of any cyantraniliprole-containing product per year, regardless of whether applications are made to the soil or foliarly.									
Verso 30 SG 70 WP	Acetamiprid (4A)	89167-70-89391 89167-71-89391	1	7	NO	12	-	10,000	-
Other Use Requirements: Maximum of 5 applications. Limit to 29.3 oz (0.55 lb a.i.) 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[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
Vexer	Methoxyfenozide (18)	91234-62-89391	3	1	NO	4 days	-	-	-
Other Use Requirements: Do not apply more than 1 lb a.i. per acre per season.									
Viloprid 4 Viloprid FC 1.7	Imidacloprid (4A)	89118-16 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 or 0.5 lb a.i. per acre per year.									
Viper RTU	Permethrin (3A)	4-393-53883	Nonbearing	0	NO	0	-	-	-
Other Use Requirements: Do not enter field until sprays have dried.									
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 USE PESTICIDE.[8] Toxic to birds and mammals. Limit to 6 applications per year. Do not apply more than 24 pt per acre per year.									
Vypera L	Oxamyl (1A)	89167-94-89391	3	7	NO	4 days	-	10,000	100
Other Use Requirements: RESTRICTED USE PESTICIDE[8]. 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.									
Warhawk Warhawk Clearform	Chlorpyrifos (1B)	34704-857 34707-1077	1	21 (0–7 pt) 35 (7–12 pt)	YES	5 days	100	10,000	1
Other Use Requirements: Check current label and tolerances prior to use. Tolerances have been revoked and reinstated over the course of recent years. RESTRICTED USE PESTICIDE[8]. Toxic to fish, aquatic organisms, mammals, and birds. Limit 2 applications per year.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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.									
Wrath Insecticide	Geraniol Peppermint oil Cottonseed oil Rosemary oil	None	Exempt	0	NO	0	-	-	-
Other Use Requirements: None. OMRI listed.									
Xpedient Plus Xpedient Plus V	Bifenthrin (3A)	5481-517	0.05	1	NO	12	-	-	-
Other Use Requirements: RESTRICTED USE 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. per acre per year.									
Zelvia	Zeta-cypermethrin (3A)	89167-126-89391	0.3	1	NO	12	-	10,000	100
Other Use Requirements: RESTRICTED USE PESTICIDE.[8] Toxic to fish and aquatic organisms. Do not apply more than 0.2 lb a.i. zeta-cypermethrin per acre per season.									
Zivalgo	Isocycloseram (30)	100-1711	0.5	Rate of 1.1 fl oz/acre = 7 Rate greater than 1.1 fl oz/acre = 21	NO	3	-	-	-
Other Use Requirements: Do not apply 3 days prior to flowering until the end of bloom. Maximum single application rate of 2.5 fl oz per acre per application. Do not exceed 0.06 lb a.i. per acre of isocycloseram-containing products. Do not apply by air.									

Trade Name or Generic Name	Common Name (IRAC MOA)[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[10]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[7, 8, 9]
							1	2	
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.

[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] Tolerances for U.S. market. For additional markets, search the online MRL database: bcglobal.bryantchristie.com.

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

[5] Emergency Planning and Community Right-To-Know Act. The 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 is not a facility. (1 = active ingredient is a gas, is molten, in solution of or is a fine powder; 2 = is a granular or other larger particle form.)

[7] Reportable Quantity. The amount of active ingredient that when spilled or released requires reporting to authorities within 15 minutes. It should be reported by telephone to 850-413-9919 or 800-320-0519.

[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.

[9] Will kill bees for 24 hours following application.

[10] 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)," for more details.

Table 5. Molluscicides registered for use in Florida citrus.

Trade Name or Generic Name	Common Name[1]	EPA Registration Number[2]	Tolerance Fruit (ppm)[3]	Days to Harvest[2, 4]	Field Posting Required[2]	REI hr[2, 4]	EPCRA[5]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7, 8]
							1	2	
Bio-Sul Slug & Snail Bait	Sulfur (UN)	71096-16	Exempt	0	NO	24	-	-	-
Other Use Requirements: OMRI listed.									
Deadline Bullets Deadline GT	Metaldehyde	5481-507 6836-350-5481	0.26	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms, mammals, and wildlife.									
DESPOT Snail & Slug Bait	Sodium ferric EDTA	67702-33-95428	Exempt	0	NO	0	-	-	-
Other Use Requirements: Apply uniformly in areas of infestation.									
Durham Metaldehyde Granules 3.5 Durham Metaldehyde Granules 7.5	Metaldehyde	5481-91 5481-103	0.26	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms, mammals, and wildlife.									
Ferroxx	Sodium ferric EDTA	67702-33	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									
IronFist Slug and Snail Bait	Sodium ferric EDTA	37702-32-87865	Exempt	0	NO	0	-	-	-
Other Use Requirements: None.									

Metarex	Metaldehyde	7173-257	0.26	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms, mammals, and wildlife.									
Slug-Fest All Weather Formula	Metaldehyde	71096-4	0.26	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms, mammals, and wildlife.									
Slugger 4.0 Slugger Ultra	Metaldehyde	71093-13	0.26	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms, mammals, and wildlife.									
Sluggo	Iron phosphate	67702-3-70051	Exempt	0	NO	0	-	-	-
Other Use Requirements: None. OMRI listed.									
Stomp Slug	Garlic oil	None	Exempt	0	NO	0	-	-	-
Other Use Requirements: Toxic to aquatic organisms. OMRI listed.									
Trail's End 3.5	Metaldehyde	5481-91	0.26	0	NO	12	-	-	-
Other Use Requirements: Toxic to aquatic organisms, mammals, and wildlife.									

[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] Tolerances for U.S. market. For additional markets, search the online MRL database: bcglobal.bryantchristie.com.

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

[5] Emergency Planning and Community Right-To-Know Act. The 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 is not a facility. (1 = active ingredient is a gas, is molten, in solution of or is a fine powder; 2 = is a granular or other larger particle form.)

[7] Reportable Quantity. The amount of active ingredient that when spilled or released requires reporting to authorities within 15 minutes. It should be reported by telephone to 850-413-9919 or 800-320-0519.

[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.

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)," for more details.

Table 6. 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]
							1	2	
A-Zox 25SC	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 (1.5 lb a.i.) per acre per season for all uses. Minimum retreatment interval is 7 days. 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]
							1	2	
Acadia 2 SC Acadia LFC	Azoxystrobin (11)	91234-74 91234-248	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	LFC 10,000 lb	-- --	--
Other Use Requirements: Do not apply more than 92.3 fl oz per acre per season of 2 SC or 116 fl oz per acre per season of LFC for all uses — or 1.5 lb a.i. per acre per 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	--	-- --	--
Other Use Requirements: Do not apply more than 61.5 fl oz (0.80 lb a.i. azoxystrobin and 0.5 lb a.i. difenoconazole) per acre per season for all uses. Do not apply more than 0.5 lb a.i. difenoconazole or 1.5 lb a.i. azoxystrobin per acre per season. Not for nursery production use. Minimum retreatment interval is 7 days.									
Actigard 50WG (formerly Blockade)	Acibenzolar-S-methyl (P 01)	100-922	Fruit (group 10-10) 0.02	0	NO	12	--	-- --	--
Other Use Requirements: Do not apply more than 12.8 oz (0.4 lb a.i.) per acre per season. Minimum retreatment interval is 30 days.									
Actinovate AG	*Streptomyces lydicus* WYEC 108 (BM 02)	73314-20	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Adorn Fungicide	Fluopicolide (43)	59639-141	Nonbearing Fruit (group 10-10) 0.01 0.03 (dried pulp) 1.0 (oil)	12 months	NO	12	--	-- --	--
Other Use Requirements: Nonbearing only. Do not apply more than 17.4 fl oz (0.54 lb a.i.) per acre per year. Must be tank mixed for resistance management with another registered product that is registered for phytophthora management. Do not apply more than twice in a cropping cycle.									
Aframe	Azoxystrobin (11)	100-1098	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	0	NO	4	--	-- --	1,000 Sodium hydroxide
Other Use Requirements: Do not apply more than 90.0 fl oz (1.5 lb a.i.) per acre per season for all uses. Not for use in nursery propagation. Minimum retreatment interval is 7 days.									
Aliette WDG	Fosetyl-Al (aluminum tris) (P 07)	264-516	Fruit (group 10-10) 9.0	30	NO	24	--	-- --	--
Other Use Requirements: Do not exceed 4 applications per season or 20 lb per acre per year; for foliar application, do not exceed 500 gal per acre (GPA) for bearing and 100 GPA for nonbearing. Do not feed livestock or feed forage from treated groves.									
Alumni	Thiabendazole (1)	100-889	15 (oil) Fruit (group 10-10) 10	PH	NA	12	--	-- --	--
Other Use Requirements: Maximum 1 application.									

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]
							1	2	
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 (0.80 lb azoxystrobin and 0.50 lb difenoconazole) per acre per season for all uses. Do not apply more than 0.5 lb a.i. difenoconazole or 1.5 lb a.i. azoxystrobin per acre per season. Not for nursery propagation use. Minimum retreatment interval is 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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Not for use in nursery propagation. Minimum application interval of 7 days.									
Aura Citrus	Flg22-Bt Peptide (P 09)	92188-3-34704	Exempt	0	NO	12	--	--	--
Other Use Requirements: None.									
Aviv	*Bacillus subtilis* strain IAB/BS03 (BM 02)	91473-1-88783	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Azoxy 2SC	Azoxystrobin (11)	93809-9	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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Not for use in nursery propagation. Minimum retreatment interval is 7 days.									
AzoxyStar	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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Not for use in nursery propagation. Minimum retreatment interval is 7 days.									
Azoxyzone	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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Not for use in nursery propagation.									
AZterknot	Azoxystrobin (11) *Reynoutria sachalinensis* extract (P 05)	89118-14	A Fruit (group 10-10) 15 A 20 (dried pulp) A 40 (oil) R Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply more than 110.3 fl oz (1.5 lb a.i. azoxystrobin and 0.86 lb a.i. RSE) per acre per season for all uses. Not for use in nursery propagation. Minimum retreatment interval is 7 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]
							1	2	
AZteroid FC 3.3 Pro	Azoxystrobin (11)	89118-11 89118-18	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. per acre per season. Not for use in nursery propagation. Minimum retreatment interval is 7 days.									
BACIX	*Bacillus subtilis* strain IAB/BS03 (BM 02)	93505-1-70506	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Banner MAXX II	Propiconazole (3)	100-1326	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 per acre per season. Do not use in greenhouses. Do not inject into trees.									
BellaTrove Companion Maxx WP	*Bacillus amyloliquefaciens* strain ENV503 (BM 02)	94485-5	Exempt	0	NO	4	--	--	1,000 lb
Other Use Requirements: Do not mix with copper-based fungicides, concentrated acids, solvents, oxidizing agents, or bactericides.									
BioSpectra 100SC	Natamycin (48)	87485-2-64864	Exempt	PH[8]	NA	NA	--	--	--
Other Use Requirements: None.									
Bio-Tam 2.0	*Trichoderma gamsii* (ICC 080) and *T. asperellum* (ICC 012) (BM02)	10163-399	Exempt	0	NO	4	--	--	--
Other Use Requirements: Not compatible with imazalil, dichloran, mancozeb, propiconazole, tebuconazole, thiram, and triflumizole.									

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]
							1	2	
Bonafide	Boscalid (7)	83529-124	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 for all uses or 1.2 lb a.i. per acre per season. Minimum retreatment interval is 10 days.									
Botector	*Aureobasidium pullulans* strain DSM 14941 *A. pullulans* strain DSM 14940 (NC)	86174-3	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
BotryStop WP Biofungicide	*Ulocladium oudemansii* (U3 strain) (NC)	68539-17 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)	Nonbearing	NO	12	--	--	--
Other Use Requirements: Do not apply more than 27.1 fl oz per acre per year. Do not exceed more than 0.44 lb a.i. fluopyram or 0.44 lb a.i. trifloxystrobin per year for all uses. Aerial applications are not allowed.									

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]
							1	2	
Bumper 41.8 EC	Propiconazole (3)	66222-42	Nonbearing 1000 (oil) Fruit (group 10-10) 8	Nonbearing	NO	12	--	--	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 a.i.) per acre per year.									
Cadera	Azoxystrobin (11)	91234-74-92735	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 for all uses or 1.5 lb a.i. per acre per season. Not for use in nursery propagation.									
Carb-O-Nator	Potassium bicarbonate (NC)	70051-117	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Cevya	Mefentrifluconazole (3)	7969-407	2.0 (dried pulp) Fruit (group 10-10) 15 (oil)	0	NO	12	--	--	--
Other Use Requirements: Do not apply more than 15 fl oz (0.39 lb a.i.) for all uses per acre per season. Minimum retreatment interval is 14 days.									
Copper fungicides	Various (M 01)	See Table 1.	Exempt	0	NO	SL[9]	--	--	--
Other Use Requirements: None.									
DECCO AZ	Azoxystrobin (11)	70506-351-2792	Fruit (group 10-10) 15 20 (dried pulp) 40 (oil)	PH[8]	NO	0	--	--	--
Other Use Requirements: Do not make more than 2 postharvest applications.									

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]
							1	2	
DECCO FLUDI SC	Fludioxonil (12)	2792-84	F 500 (oil) Fruit (group 10-10) 10	PH[8]	NO	0	--	--	--
Other Use Requirements: Do not make more than 2 applications (31.68 oz fludioxonil) to citrus fruit.									
DECCO PROPI	Propiconazole (3)	2792-90	1000 (oil) Fruit (group 10-10) 8	PH[8]	NO	0	--	--	--
Other Use Requirements: Do not make more than 2 postharvest applications. The maximum rate for the 2 applications is 0.88 lb per gal or 0.88 lb per 250,000 fruit.									
DECCO Pyrimethanil 400 SC	Pyrimethanil (9)	2792-82	150 (oil) Fruit (group 10-10) 10	PH[8]	NO	0	--	--	--
Other Use Requirements: Do not apply by more than a combination of three application methods.									
DECCO SALT No. 19	Thiabendazole (1)	2792-50	15 (oil) Fruit (group 10-10) 10	PH[8]	NO	0	--	--	--
Other Use Requirements: None.									
DECCOSOL 125 Concentrate	Sodium ortho-phenylphenate (NC)	2792-32	10	PH[8]	NO	0	--	--	1,000
Other Use Requirements: None.									
DECCO TBZ 500 SC	Thiabendazole (1)	2792-86	15 (oil) Fruit (group 10-10) 10	PH[8]	NO	0	--	--	--
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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
DECCOZIL EC-289	Imazalil (3)	2792-51	25 (dried pulp) 200 (oil) Fruit (postharvest) 10	PH[8]	NO	0	--	--	--
Other Use Requirements: No more than 2 applications regardless of method.									
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 per acre per year.									
Double Nickel 55 LC	*Bacillus amyloliquefaciens* strain D747 (BM 02)	70051-108 70051-107	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Drexel Azoxystrobin SC	Azoxystrobin (11)	19713-715	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 (1.5 lb a.i.) per acre per season for all uses. Not for use in nursery propagation. Can also be used postharvest. See label for details. Minimum retreatment interval is 7 days.									
Drexel Phiticide	Mono- and dibasic sodium, potassium, and ammonium phosphites (P 07)	19713-625	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Duralev	Cerevisane (Cell walls of *Saccharomyces cerevisiae* strain LAS117) (P 06)	91810-2-51517	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Ecopro	Propiconazole (3)	83529-135	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	--	--
Other Use Requirements: Nonbearing only. Do not apply more than 5.5 gal (7.2 lb a.i.) per acre per year.									
EcoSwing Botanical	Extract of *Swinglea glutinosa* (BM 01)	10163-357	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Empire	Boscalid (7) Pyraclostrobin (11)	83529-178	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 (group10-10) 2.0	0	NO	12	--	--	--
Other Use Requirements: No more than 74 oz per acre per year. No more than 1.17 lb a.i. boscalid or 0.592 lb a.i. 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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Empress Intrinsic	Pyraclostrobin (11)	7969-355	Nonbearing 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 per acre per season or other MOA Group 11 fungicides per 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 per year. No more than 24 fl oz (0.38 lb a.i.) per acre per year. Minimum retreatment interval is 21 days. Do not apply with polymer adjuvants. Do not feed livestock from treated groves. Do not apply via chemigation. Apply in a minimum of 10 gal per acre aerially and 20 gal per acre by ground.									
Endura	Boscalid (7)	7969-197	4.5 (dried pulp) 85.0 (oil) 2.0 Fruit (group 10-10)	0	NO	12	--	-- -	--
Other Use Requirements: Do not apply more than 27.2 oz (1.20 lb a.i.) per acre per season. Do not make more than 2 sequential applications.									

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]
							1	2	
Everlon	Pyraclostrobin (11) Fluxapyroxad (7)	7969-311-1381	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 Fruit (group 10-10) F 3.0 (dried pulp) F 40 (oil) F 1.0 Fruit (group 10-10)	0	NO	12	--	- -	--
Other Use Requirements: Do not apply more than 44 fl oz (0.478 lb a.i./year fluxapyroxad and 0.956 lb a.i./year pyraclostrobin) per acre per season. Do not make more than 2 sequential applications. Minimum retreatment interval is 10 days.									
Ferbam Granuflo	Ferbam (M 03)	45728-7	4.0 fruit (group 10)	0	NO	24	--	- -	--
Other Use Requirements: Ferbam has been deregistered but the tolerance was still valid as of May 10, 2026. Confirm if the tolerance (https://www.ecfr.gov/) is still valid, if a concern.									
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) or 0.82 lb a.i. oxytetracycline per acre per season. Minimum retreatment interval is 21 days. No more than 3 applications per year.									
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 24 fl oz (0.67 lb a.i.) per acre per 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]
							1	2	
Flare Xtra	Trifloxystrobin (11)	91234-347	1.0 (dried pulp) 38 (oil) 0.6 Fruit (group 10)	7	NO	12	--	--	--
Other Use Requirements: Do not use more than 15.2 fl oz (0.481 lb a.i) per acre per year. Do not make more than 2 sequential applications. Minimum retreatment interval is 7 days.									
Flint Extra	Trifloxystrobin (11)	264-826	1.0 (dried pulp) 38 (oil) 0.6 Fruit (group 10)	7	NO	12	--	--	--
Other Use Requirements: Do not use more than 15.2 fl oz (0.481 lb a.i.) per acre per year. Do not make more than 2 sequential applications. Minimum retreatment interval is 7 days.									
Fosphite	Phosphorous acid, mono- and dipotassium salts (P 07)	68573-2	Exempt	0	NO	4	--	--	--
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 per crop cycle. To avoid phytotoxicity, do not make foliar applications less than 20 days after copper-based products.									
Fun-Thyme	Thyme oil (BM 01)	99869-2-2935	Exempt	0	NO	48	--	--	--
Other Use Requirements: None.									
Gem 500 SC	Trifloxystrobin (11)	264-826	1.0 (dried pulp) 38 (oil) 0.6 Fruit (group 10)	7	NO	12	--	--	--
Other Use Requirements: Do not apply more than 15.2 fl oz per acre per season for all uses. Do not make more than 2 sequential applications of Gem 500 SC or other MOA Group 11 fungicides. No more than 4 applications of Gem 500 SC or other MOA Group 11 fungicides per 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]
							1	2	
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 (1.5 lb a.i.) per acre per season for all uses. Not for use in nursery propagation. Do not make more than 2 sequential applications of GCS Azoxy 2SC or other MOA Group 11 fungicides per season.									
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. fludioxonil or 1.80 lb a.i. azoxystrobin per crop.									
Guarda	Thyme oil (BM 01)	92144-2-70299	Exempt	0	NO	0	--	- -	--
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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Gunner 14.3 MEC	Propiconazole (3)	91234-262	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	- -	--
Other Use Requirements: Do not use more than 5.4 gal (7.2 lb a.i.) per acre per year. Minimum retreatment interval is 21 days.									
HDH Foam 26	Sodium ortho-phenylphenate (NC)	83103-2	10	PH[8]	NA	NA	--	- -	--
Other Use Requirements: None.									
Headline SC	Pyraclostrobin (11)	7969-186 7969-289	12.5 (dried pulp) 9.0 (oil) 2.0 Fruit (group 10-10)	0	NO	12	--	- -	Naphthalene (100 lb) SC --
Other Use Requirements: Do not apply more than 54 fl oz (0.88 lb a.i.) per acre per season or other MOA Group 11 fungicides per season. Do not use more than 2 sequential applications per season.									
Honor Guard PPZ	Propiconazole (3)	66222-41-53883	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	12	--	- -	--
Other Use Requirements: None.									
Howler EVO	*Pseudomonas chlororaphis* strain AFS009 (BM 02)	70051-141	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Hurricane	Pyraclostrobin (11)	83529-284	12.5 (dried pulp) 9.0 (oil) Fruit (group 10-10) 2.0	0	NO	12	--	-- -	--
Other Use Requirements: Do not apply more than 54 fl oz (0.86 lb a.i.) per acre per season or other MOA Group 11 fungicides per season. Do not use more than 2 per season. The minimum retreatment interval is 10 days.									
Hydroxycide 527	Peroxyacetic acid (NC) Hydrogen peroxide (NC)	2686-21	P Exempt up to 100 ppm in solution H Exempt when ≤ 1% per application	0	NO	4	500 (Peroxyacetic acid)	- -	500 (Peroxyacetic acid) 1,000 (hydrogen peroxide) 5,000 (Acetic acid)
Other Use Requirements: None.									
Indar 2F	Fenbuconazole (3)	62719-416	5.0 (dried pulp) 40 (oil) 1.0 Fruit (group 10)	0	NO	12	--	- -	--
Other Use Requirements: No more than 3 applications per year; no more than 24 fl oz (0.38 lb a.i.) per acre per year; minimum retreatment interval is 21 days. Do not apply with polymer adjuvants. Do not feed livestock from treated groves. Do not apply in less than 10 gallons or 20 gallons of water per acre aerially or by ground, respectively.									
Innliven Elite	Pyraclostrobin (11) Difenoconazole (3)	89168-134-89391	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 Fruit (group 10-10) D 0.60 Fruit (group 10) D 2.0 (dried pulp) D 25 (oil)	0	NO	12	--	- -	1,000
Other Use Requirements: Do not apply more than 33.6 fl oz (0.60 lb a.i. pyraclostrobin and 0.50 lb a.i. difenoconazole) per acre per year. Do not use more than 2 sequential applications per season before moving to a non-Group 3 or 11 fungicide. 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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Innliven P	Pyraclostrobin (11) Propiconazole (3)	89168-131-89391	Nonbearing Py 12.5 (dried pulp) Py 9.0 (oil) Py 2.0 Fruit (group 10-10) Pr 1000 (oil) Pr 8 Fruit (group 10-10)	12 months	NO	12	--	--	--
Other Use Requirements: Do not apply more than 42.5 fl oz (0.74 lb a.i. pyraclostrobin and 0.63 lb a.i. propiconazole) per acre per year. Do not use more than 2 sequential applications per season before moving to a non-Group 3 or 11 fungicide. Minimum retreatment interval is 10 days.									
Insignia SC Intrinsic	Pyraclostrobin (11)	7969-290	Nonbearing 12.5 (dried pulp) 9.0 (oil) Fruit 2.0 (group 10-10)	12 months	NO	12	--	--	--
Other Use Requirements: Do not apply more than 1.5 gal (0.88 lb a.i.) per acre per season or other MOA Group 11 fungicides per season. Do not use more than 2 sequential applications per season.									
Jet-Ag 5%	Peroxyacetic acid (NC) Hydrogen peroxide (NC)	84059-32	P Exempt up to 100 ppm in solution H Exempt when ≤ 1% per application	0	YES	4	--	--	73,529 Acetic acid
Other Use Requirements: None.									
Julietta	*Saccharomyces cerevisiae* strain LAS02 (P 06)	86431-38	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
KeyPlex 350 Organic	Yeast extract hydrolysate from *Saccharomyces cerevisiae* (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.									
LALSTOP G46 WG	*Clonostachys rosea* strain J1446 (BM 02)	64137-13	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
LALSTOP K61 WP	*Streptomyces* sp. strain K61 (BM 02)	64173-5	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
LifeGard LC WG	*Bacillus mycoides* isolate J (P 06)	70051-126 70051-119	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
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	--	--	--
Other Use Requirements: Do not exceed 4 applications or 20 lb (16 lb a.i.) per acre per year. Do not exceed 100 GPA (nonbearing) or 500 GPA (bearing) for foliar applications. Do not tank mix with copper compounds.									
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 per acre per season for all uses or 1.5 lb a.i. per acre per 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]
							1	2	
Luna Flex	Difenoconazole (3) Fluopyram (7)	264-1218	D 2.0 (dried pulp) D 25 (oil) D 0.6 Fruit (group 10) F 1.0 Fruit (group 10-10) F 8.0 (oil)	7	NO	12	--	-- -	--
Other Use Requirements: Maximum 27.2 fl oz per acre per year. Do not apply more than 0.46 lb a.i. difenoconazole or 0.446 lb a.i. fluopyram per acre per year. Minimum retreatment interval is 7 days. Do not make more than 2 sequential applications of any Group 7-containing products.									
Luna Sensation	Trifloxystrobin (11) Fluopyram (7)	264-1090	T 1.0 (dried pulp) T 38 (oil) T 0.6 Fruit (group 10) F 1.0 Fruit (group 10-10) F 8.0 (oil)	7	NO	12	--	-- -	--
Other Use Requirements: Maximum 27.1 fl oz per acre per year. Do not apply more than 0.445 lb a.i. trifloxystrobin per acre per year or 0.445 lb a.i. fluopyram per acre per year. Do not make more than 2 sequential applications of any Group 7- or Group 11-containing products.									
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 (1.5 lb a.i.) per acre per season for all uses. Not for use in nursery propagation. Do not make more than 2 sequential applications of Group 11 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]
							1	2	
Mefenoxam 2AQ	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 128 fl oz (0.88 lb a.i.) per year.									
MetaStar 2E	Metalaxyl (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 per acre per year.									
Milagrum Plus	*Bacillus subtilis* strain IAB/BS03 (BM 02)	91554-1-100004	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
MilStop SP	Potassium bicarbonate (NC)	68539-13	Exempt	0	NO	1	--	--	--
Other Use Requirements: None.									
Minuet	*Bacillus subtilis* strain QST 713 (BM 02)	264-1202	Exempt	0	NO	4	--	--	--
Other Use Requirements: Applications should not exceed 32 oz of diluted solution.									

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]
							1	2	
Miravis Top	Pydiflumetofen (7) Difenoconazole (3)	100-1602	P 1 Fruit (group 10-10) P Oil 30 D 0.60 Fruit (group 10) D (dried pulp) 2.0 D 25 (oil)	0	NO	12	--	--	1,000 sodium hydroxide
Other Use Requirements: Maximum rate is 60.9 fl oz per year. Do not apply more than 0.50 lb a.i. difenoconazole or 0.30 lb a.i. pydiflumetofen per acre per year. Minimum retreatment interval is 7 days. Do not make more than 2 sequential applications of any Group 3- or Group 7-containing products.									
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.									
Mycoshield	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 lb a.i. per acre per season. Minimum retreatment interval is 21 days. No more than 3 applications per year.									
OBRONA	PDHP 25279 Protein derived from harpin protein (BM0 02)	71771-14-2935	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not mix this product with pyrophosphates, phosphoric acid, or other strong oxidizers. Can be used in nursery production.									
Obtego	*Trichoderma gamsii* ICC 012 *T. asperellum* ICC 080 (BM 02)	10163-399-67690	Exempt	0	NO	4	--	--	--
Other Use Requirements: For greenhouse use.									

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]
							1	2	
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 24 fl oz (0.67 lb a.i.) per acre per season.									
Orondis	Oxathiapiprolin (49)	100-1571	Fruit 0.06 (group 10-10) 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 2 soil applications per year. Do not follow an Orondis soil application with a foliar application of a FRAC Group 49-containing product. Do not use more than 19.2 fl oz (0.25 lb a.i.) per acre per season for soil applications. Minimum retreatment interval is 30 days. ***Foliar applications are no longer allowed with Orondis.***									
Orondis Ultra	Oxathiapiprolin (49) Mandipropamid (40)	100-1612	O 0.06 Fruit (group 10-10) O 0.09 (dried pulp) O 2.0 (oil) M 0.5 Fruit (group 10-10) M 0.70 (dried pulp) M 15 (oil)	0	NO	4	--	--	--
Other Use Requirements: Do not use in a nursery. Do not apply more than 1 application per year. Do not apply more than 8 fl oz per acre per year. Do not apply more than 0.016 lb a.i. oxathiapiprolin or 0.13 lb a.i. mandipropamid per acre per year. Do not follow a FRAC Group 49-containing soil application with a foliar application of a FRAC Group 49-containing product. Use either a FRAC Group 49-containing soil application or a foliar application but not both.									
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. per acre per 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]
							1	2	
Oxem 4ME Select	Mefenoxam (4)	42750-392-89442	Nonbearing 1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	12 months	NO	48	--	-- -	--
Other Use Requirements: Do not apply more than 6.0 lb a.i. per acre per year. Do not make more than 2 sequential applications in a year. Not for nursery production for commercial groves.									
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) 1,000 (hydrogen peroxide)	-- -	500 (Peroxyacetic acid) 1,000 (hydrogen peroxide) 5,000 acetic acid
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 Exempt when ≤ 1% per application	0	YES	4	1,000 (hydrogen peroxide)	-- -	1,000 (hydrogen peroxide)
Other Use Requirements: Posting required when applying through chemigation; consult the label.									
PacRite AZOXY 250SC	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.									

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]
							1	2	
PacRite Fungaflor 500 EC 75 WSG	Imazalil (3)	43813-6-64864 43813-26-64864	200 (oil) 10 (PH fruit) 25 (dried pulp)	PH[8]	NA	NA	--	-- --	--
Other Use Requirements: Postharvest only. Do not make more than 2 postharvest applications.									
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.									
PacRite Propi 155 EC	Propiconazole (3)	64864-81	1000 (oil) Fruit (group 10-10) 8	PH[8]	NA	NA	--	-- --	--
Other Use Requirements: Postharvest only. The maximum annual rate is 88 fl oz (0.88 lb a.i.) per year. Do not make more than 2 postharvest applications.									
PacRite TBZ 4.0 SC	Thiabendazole (1)	64864-66	15 (oil) 10 (fruit group 10)	PH[8]	NA	12	--	-- --	--
Other Use Requirements: Postharvest only. One application per load.									
Pageant Intrinsic	Pyraclostrobin (11) Boscalid (7)	7969-251	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 Fruit (group 10-10) 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 per acre per year. No more than 1.17 lb a.i. boscalid or 0.592 lb a.i. pyraclostrobin per acre per year. 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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
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)	70506-395	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. per acre) per season. Use in alternation with other modes of action.									
Phostrol	Mono- + dibasic sodium, potassium, and ammonium phosphites (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 24 fl oz (0.67 lb a.i.) of propiconazole per acre per 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 of 4 fl oz (0.125 lb a.i.) per acre per 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]
							1	2	
Priaxor Xemium	Pyraclostrobin (11) Fluxapyroxad (7)	7969-311	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 fruit (group 10-10) F 3.0 (dried pulp) F 40 (oil) F 1.0 fruit (group 10-10)	0	NO	12	--	-- --	5,000 lb Acetic acid; Methanol 1,000 lb Toluene; Sodium hydroxide; Acetaldehyde; Phenol 100 lb Heptane; Naphthalene; Formaldehyde; Propylene oxide; 1,4-dioxane 10 lb Sodium cyanide; Ethylene oxide
Other Use Requirements: No more than 4 applications (44 fl oz) per acre per year. No more than 0.478 lb a.i. fluxapyroxad or 0.956 lb a.i. pyraclostrobin. Minimum retreatment interval is 10 days. Do not make more than 2 sequential applications of any Group 11- or Group 7-containing products.									
Pristine	Pyraclostrobin (11) Boscalid (7)	7969-199	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 fruit (group 10-10) B 4.5 (dried pulp) B 85.0 (oil) B 2.0 fruit (group10-10)	0	NO	12	--	-- --	--
Other Use Requirements: No more than 74 oz per acre per year. No more than 1.17 lb a.i. boscalid or 0.592 lb a.i. pyraclostrobin. Minimum retreatment interval is 10 days.									
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.) of propiconazole per acre per 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]
							1	2	
ProPhyt	Potassium phosphite (P 07)	42519-22-5905	Exempt	0	NO	4	--	--	--
Other Use Requirements: Use a minimum of 20 gal when applying by ground and 5 gal when applying aerially.									
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 7.2 lb a.i. propiconazole per acre per season. Minimum retreatment interval is 21 days.									
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 7.2 lb a.i. propiconazole per acre per 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 (0.672 lb a.i.) per acre season.									
Propiczone	Propiconazole (3)	83529-22-91026	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.) per acre per 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]
							1	2	
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 7.2 lb a.i. per acre per season.									
Propi-Star EC	Propiconazole (3)	42750-211	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.) per acre per 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.) per acre per season.									
Provysol	Mefentrifluconazole (3)	7969-411	2.0 (dried pulp) 15 (oil) 0.6 Fruit orange (subgroup 10-10A)	0	NO	12	--	- -	--
Other Use Requirements: Do not apply more than 15 fl oz (0.39 lb a.i.) per acre per year. Minimum retreatment interval is 14 days.									
Quadris (formerly Abound Flowable)	Azoxystrobin (11)	100-1098	Fruit 15 (group 10-10) 20 (dried pulp) 40 (oil)	0	NO	4	--	- -	1,000 Sodium hydroxide
Other Use Requirements: Do not apply more than 90 fl oz (1.5 lb a.i.) per acre per season for all uses. Minimum application interval is 7 days. 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]
							1	2	
Raclos 2EC	Pyraclostrobin	83100-82	12.5 (dried pulp) 9.0 (oil) 2.0 fruit (group 10-10)	0	NO	12	--	- -	--
Other Use Requirements: Do not apply more than 54 fl oz (0.88 lb a.i.) per acre per year. Minimum retreatment interval is 10 days. Do not make more than 2 sequential applications of any Group 11-containing products.									
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. Do not apply within 20 days of a copper application.									
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.) per treated acre per year. Do not exceed 3 applications per 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		- -	5,000 (acetophenone)
Other Use Requirements: Do not apply more than 12 pt (6 lb a.i.) per treated acre per year. Do not exceed 3 applications per year. Do not apply more than 2 pt per year to resets or young plantings to avoid phytotoxicity. Do not use in field or enclosed nurseries. Minimum retreatment interval is 90 days.									
Rectify	Oxytetracycline hydrochloride (41)	SLN FL230001	Fruit (group 10-10) 0.01	180	NO	12	--	- -	--
Other Use Requirements: Injection only. Do not apply through the irrigation system. Only use the specified application rates. Do not apply more than 5.04 fl oz of solution per tree per application. Do not apply more than once per year on bearing citrus and twice per year on nonbearing citrus. Do not apply foliar oxytetracycline formulations within the same cropping year as injection. Label expires 12/31/2026.									

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]
							1	2	
Regalia Biofungicide CG Biofungicide	*Reynoutria sachalinensis* extract (P 05)	84059-3 84059-3	Exempt	0	NO	4	--	-- --	--
Other Use Requirements: None.									
REGEV	Tea tree oil (BM 01) Difenoconazole (3)	86182-5-88783	TTO Exempt D 0.60 fruit (group 10) D 2.0 (dried pulp) D 25 (oil)	7	NO	12	10,000	-- --	--
Other Use Requirements: Do not use more than 38 fl oz per acre per year. No more than 0.988 lb a.i. tea tree oil or 0.50 lb a.i. difenoconazole per acre per year. Do not apply more than 0.46 lb a.i. total of difenoconazole-containing products per acre per year. Minimum retreatment interval is 7 days.									
REGULATE SELECT	Metalaxyl (4)	89442-16	Nonbearing 1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	12 months	NO	24	--	-- --	--
Other Use Requirements: Do not use in greenhouse citrus nursery stock intended for commercial fruit production.									
Reliant	Mono- and dipotassium salts of phosphorous acid (P 07)	83416-1	Exempt	0	NO	4	--	-- --	1,000 potassium hydroxide
Other Use Requirements: None.									
ReMedium TI	Oxytetracycline hydrochloride (41)	SLN FL220005	Fruit (group 10-10) 0.01	180	NO	12	--	-- --	--
Other Use Requirements: Injection only. Do not apply through the irrigation system. Only use the specified application rates. Do not apply more than 5.1 fl oz of solution per tree per application. Do not apply more than once per year on bearing citrus and twice per year on nonbearing citrus. Do not apply foliar oxytetracycline formulations within the same cropping year as injection. Label expires 12/31/2026.									

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]
							1	2	
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: Posting required for chemigation.									
Republic	Pyraclostrobin (11) Fluxapyroxad (7)	7969-311-55467	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 (fruit group 10-10) F 3.0 (dried pulp) F 40 (oil) F 1.0 (fruit, group 10-10)	0	NO	12	--	--	--
Other Use Requirements: Do not use more than 44 fl oz per acre per year. No more than 0.956 lb a.i. pyraclostrobin or 0.478 lb a.i. fluxapyroxad per acre per year. Minimum retreatment interval is 10 days. Do not make more than 2 sequential applications of any Group 11- or Group 7-containing products.									
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 per application. Do not apply within 20 days of a copper application.									
Reveille	Potassium phosphite (P 07)	42519-22-5905	Exempt	0	NO	4	--	--	--
Other Use Requirements: No more than 3 applications.									

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]
							1	2	
Revus	Mandipropamid (40)	100-1254	0.70 (dried pulp) 15 (oil) 0.50 (fruit, group 10-10)	0 365 nursery use	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.) per acre per season. In nurseries, do not apply more than 32 fl oz (0.52 lb a.i.) per acre per season. Minimum retreatment interval of 30 days.									
Reyzox	Azoxystrobin (11) *Reynoutria sachalinensis* extract (P 05)	89118-14-84059	A 15 Fruit (group 10-10) A 20 (dried pulp) A 40 (oil) R Exempt	0	NO	4	--	-- --	--
Other Use Requirements: Do not apply more than 110.3 fl oz per acre per season for all uses. No more than 1.5 lb a.i. azoxystrobin or 0.86 lb a.i. *Reynoutria sachalinensis* extract per acre per season. Not for use in nursery propagation. Minimum retreatment interval is 7 days. Do not make more than 2 sequential applications.									
Ridomil Gold GR	Mefenoxam (4)	100-798	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	-- --	--
Other Use Requirements: Do not exceed 240 lb (6 lb a.i.) per acre of mefenoxam-containing products. Do not use in greenhouse nurseries. Minimum application interval is 90 days.									
Ridomil Gold SL	Mefenoxam (4)	100-1202	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	-- --	ethenone, 1-phenyl- 5,000
Other Use Requirements: Do not exceed 12.0 pt (6 lb a.i.) per acre of mefenoxam- and metalaxyl-containing products. Do not use in nurseries. Minimum application interval is 90 days. Do not make more than 3 applications per 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]
							1	2	
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: No more than 5.4 gal per acre per year.									
ROMEO	*Saccharomyces cerevisiae* strain LAS117 (P 06) or Cerevisane	91810-2	Exempt	0	NO	4	--	-- -	--
Other Use Requirements: None.									
RootShield Granules WP	*Trichoderma harzianum*, Rifai strain T-22 (BM 02)	68539-3 68539-7	Exempt	0	NO	4	--	-- -	--
Other Use Requirements: Products are not compatible with imazalil, propiconazole, tebuconazole, or triflumizole.									
RootShield Plus Granules Plus WP	*Trichoderma harzianum* Rifai strain T-22 (BM 02) *T. virens* strain G-41 (BM 02)	68539-10 68539-9	Exempt	0	NO	4	--	-- -	--
Other Use Requirements: Products are not compatible with imazalil, propiconazole, tebuconazole, or triflumizole.									
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 1,000 P 500	- -	H 1,000 P 500 Acetic acid 5,000
Other Use Requirements: Posting required for chemigation.									

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]
							1	2	
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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Not for nursery use. Minimum reapplication interval is 7 days.									
Serenade ASO OPTI (Optimum)	*Bacillus subtilis* strain QST 713 (BM 02)	264-1152 264-1160	Exempt	0	NO	4	--	-- --	--
Other Use Requirements: None.									
Serifel Biofungicide	*Bacillus amyloliquefaciens* MBI 600 (BM 02)	71840-18	Exempt	0	NO	12	--	-- --	--
Other Use Requirements: None.									
Shepherd	Propiconazole (3)	69117-3	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	0	--	-- --	--
Other Use Requirements: For injection applications only. Do not inject food-bearing plants.									
Sil-Matrix	Potassium silicate (NC)	70051-127	Exempt when ≤ 1% by weight of the aqueous solution	0	NO	4	--	-- --	--
Other Use Requirements: Do not make postharvest applications. Do not apply more than 20 gal (60 lb a.i.) per acre season.									
Slant EC	Propiconazole (3)	91234-221	Nonbearing 1000 (oil) Fruit (group 10-10) 8	12 months	NO	24	--	-- --	1,2,4-trimethylbenzene and naphthalene 100
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) per acre per season. Minimum retreatment 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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Sonata	*Bacillus pumilis* strain QST-2808 (BM 02)	264-1153	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
SOPP Soap	Sodium ortho-phenylphenate (NC) (o-phenylphenol)	64864-45	10 fruit	PH[8]	NA	NA	--	--	--
Other Use Requirements: Postharvest only.									
SPÄRRA	Mono- and dipotassium salts of phosphorous acid (P 07)	2935-560	Exempt	0	NO	4	--	--	--
Other Use Requirements: Do not apply at intervals less than 3 days. Do not use more than the highest rate per application. Do not apply within 20 days of a copper application.									
Stergo GR Stergo MX	Mefenoxam (4)	91234-371 91234-222	Nonbearing 1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	12 months	NO	48	10,000 GR	--	--
Other Use Requirements: Not for greenhouse nursery stock intended for commercial production. Do not use more than 6.0 lb a.i. per acre per year. Minimum retreatment interval is 3 months for GR and 12 weeks for MX.									
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 5.5 gal (7.2 lb a.i.) per acre per 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]
							1	2	
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 6 lb a.i. per acre per season of mefenoxam-containing products. Do not use in greenhouse nursery stock intended for commercial use. Minimum retreatment interval of 30 days.									
T34 Biocontrol	*Trichoderma asperellum* Strain T34 (BM 02)	87301-1	Exempt	0	NO	12	--	-- --	--
Other Use Requirements:									
Tenet WP	*Trichoderma asperellum* Strain ICC 012 (BM 02) *T. gamsii* strain ICC 080 (BM 02)	10163-399	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.									
Tesaris	Fluxapyroxad (7)	7969-309	3.0 (dried pulp) 40 (oil) 1.0 fruit group 10-10	0	NO	12	--	-- --	--
Other Use Requirements: Do not apply more than 25.2 fl oz (0.488 lb a.i.) per acre per year. Do not make more than 2 sequential applications before alternating to a non-Group 7 fungicide. Minimum retreatment 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]
							1	2	
Tetraban	Azoxystrobin (11)	1381-267	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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Do not make more than 2 sequential applications before alternating to a non-Group 11 fungicide. Do not use in citrus nurseries.									
Theia	*Bacillus subtilis* strain AFS032321 (BM 02)	70051-138	Exempt	0	NO	4	--	- -	--
Other Use Requirements: None.									
Thrive 4M	Mefenoxam (4)	42750-391	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	- -	--
Other Use Requirements: Do not apply more than 188.2 fl oz (6.0 lb a.i.) per acre per year. Minimum retreatment interval is 90 days. Do not use in citrus nurseries. Do not tank mix herbicides with this product and use on trees less than 3 years old. First apply the herbicide, then apply this product 3–4 weeks later.									
Tide Azoxystrobin 2SC	Azoxystrobin (11)	84229-47	15.0 Fruit (group 10-10) 20 (dried pulp) 40 (oil)	0	NO	4	--	- -	--
Other Use Requirements: Do not apply more than 92.3 fl oz (1.5 lb a.i.) per acre per season. Not for nursery use. Do not make more than 2 sequential applications before alternating to a non-Group 11 fungicide.									
Tide Propiconazole 41.8EC	Propiconazole (3)	84229-11	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	12	--	- -	5,000 N-butyl alcohol
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) per acre per 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]
							1	2	
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 per acre per season for all uses or 1.5 lb a.i. per acre per season. Not for nursery use. Do not make more than 2 sequential applications before alternating to a non-Group 11 fungicide.									
Tigris Prop 41.8%	Propiconazole (3)	92647-20	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.) per acre per season.									
Tilt	Propiconazole (3)	100-617	Nonbearing 1000 (oil) Fruit (group 10-10) 8.0	12 months	NO	24	--	-- -	719 (p-xylene 100)
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) per acre per season.									
Timorex Act	Tea tree oil (BM 01)	86182-3-88783	Exempt	48	NO	4	10,000	-- -	--
Other Use Requirements: Do not apply more than 120 fl oz (0.89 lb a.i.) per acre per season.									
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.) per acre per 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]
							1	2	
Trevo	Azoxystrobin (11)	89167-39-89391	15.0 Fruit (group 10-10) 20 (dried pulp) 40 (oil)	0	NO	4	--	- -	--
Other Use Requirements: Do not apply more than 90 fl oz (1.5 lb a.i.) per acre per season for all uses. Not for use in nurseries. Minimum retreatment interval is 7 days. Do not apply more than 2 sequential applications.									
Trevo DCZ Elite	Azoxystrobin (11) Difenoconazole (3)	89167-103-89391 89167-79-89391	A 15 fruit (group 10-10) A 20 (dried pulp) A 40 (oil) D 0.60 fruit (group 10) D (dried pulp) 2.0 D 25 (oil)	0	NO	12	--	- -	--
Other Use Requirements: Do not apply more than 61.4 fl oz (DCZ) or 34 fl oz (Elite) per acre per season for all uses. Do not apply more than 0.5 lb a.i. difenoconazole or 1.5 lb a.i. azoxystrobin per acre per season. Not for nursery propagation use. Minimum retreatment interval 7 days.									
TRIANUM-G	*Trichoderma harzianum* Rifai strain KRL-AG2 (BM 02)	89635-2	Exempt	0	NO	4	--	- -	--
Other Use Requirements: Not compatible with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, febuconazole, and triflumizole. Do not apply immediately before these pesticides are used.									
TRIANUM-P	*Trichoderma harzianum* Rifai strain T-22 (BM 02)	89635-3	Exempt	0	NO	4	--	- -	--
Other Use Requirements: Not compatible with chemicals that contain the following active ingredients: benomyl, imazalil, propiconazole, febuconazole, and triflumizole. Do not apply immediately before these pesticides are used.									
Triathlon BA	*Bacillus amyloliquefaciens* strain D747 (BM 02)	70051-107-59807	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Tycoon	Azoxystrobin (11) Difenoconazole (3)	5905-651	A 15 fruit (group 10-10) A 20 (dried pulp) A 40 (oil) D 0.60 fruit (group 10) D (dried pulp) 2.0 D 25 (oil)	0	NO	12	--	-- --	--
Other Use Requirements: Do not apply more than 48.4 fl oz per acre per season for all uses. Do not apply more than 0.5 lb a.i. difenoconazole or 1.5 lb a.i. azoxystrobin per acre per season. Not for nursery propagation use. Minimum retreatment interval is 7 days.									
Ultra Flourish XHL	Mefenoxam (4)	55146-73 55146-166	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	-- --	UF only 100 lb (Naphthalene) XHL --
Other Use Requirements: Do not exceed the equivalent 24 pt (6 lb a.i.) of mefenoxam-containing products per acre. No more than 3 applications per season. Do not tank mix herbicides with this product and use on trees less than 3 years old. First apply the herbicide, then apply this product 3–4 weeks later.									
Vacciplant	Laminarin (P 04)	70506-608	Exempt	0	NO	4	--	-- --	--
Other Use Requirements: None.									
Vacres	Potassium bicarbonate (NC)	94201-1	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]		
							TPQ (lb a.i.)[6]		RQ (lb a.i.)[7]
							1	2	
Vaunt Vaunt XL	Mefenoxam (4)	89167-89-89391 89167-124-89391	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	-- --	100 (naphthalene) for Vaunt
Other Use Requirements: Do not exceed the equivalent 24 pt or 12 pt of XL (6 lb a.i.) per acre of metalaxyl- or mefenoxam-containing products. No more than 3 applications per season. For trees less than 3 years old, DO NOT tank mix herbicides with this product. First apply the herbicide and then apply this product 3–4 weeks later. Minimum retreatment interval for XL is 90 days. Not for use in nurseries.									
Veltyma	Pyraclostrobin (11) Mefentrifluconazole (3)	7969-409	P 12.5 (dried pulp) P 9.0 (oil) P 2.0 Fruit (group 10-10) M 2.0 (dried pulp) M 15 (oil)	0	NO	12	--	-- --	--
Other Use Requirements: Do not apply more than 30 fl oz. No more than 0.39 lb a.i. mefentrifluconazole or 0.88 lb a.i. pyraclostrobin per acre per year. Do not make more than 3 applications. Minimum retreatment interval of 14 days.									
Velum	Fluopyram (7)	264-1078	1.0 fruit (group 10-10) 8.0 (oil)	7	NO	12	--	-- --	--
Other Use Requirements: Do not exceed 13.7 fl oz (0.445 lb a.i.) per acre of fluopyram-containing products, regardless of application method. Minimum soil retreatment interval is 30 days.									
Venus	Trifloxystrobin (11)	83529-292	1.0 (dried pulp) 38 (oil) 0.6 Fruit (group 10-10)	7	NO	12	--	-- --	--
Other Use Requirements: Do not apply more than 15.2 fl oz (0.482 lb a.i.) per acre per season for all uses. No more than 3 applications of Venus or other MOA Group 11 fungicides per season. Do not make more than 2 sequential applications. Minimum retreatment interval is 7 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]
							1	2	
Vigil	Propiconazole (3)	89168-14-89391	Nonbearing 1000 (oil) 8.0 Fruit (group 10-10)	0	NO	12	--	- -	--
Other Use Requirements: Do not apply more than 24 fl oz (0.67 lb a.i.) per acre per season.									
Willowood Propicon 3.6EC	Propiconazole (3)	87290-7	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.) per acre per season. Minimum retreatment interval is 30 days.									
Xyler FC	Metalaxyl (4)	89118-12	1.0 (fruit, citrus) 7.0 (oil) 7.0 (citrus pulp)	0	NO	48	--	- -	--
Other Use Requirements: Do not exceed the equivalent 4.3 gal (12.0 lb a.i.) per acre of mefenoxam-containing products. Do not use in greenhouse nurseries.									
ZeroTol 2.0	Peroxyacetic acid (NC) Hydrogen dioxide (NC)	70299-12	P Exempt up to 100 ppm in solution HP Exempt when ≤ 1% per application	0	YES	1	P 500 H 1,000	- -	P 500 H 1,000 Acetic acid 5,000
Other Use Requirements: Posting required for chemigation.									
Zonix	Rhamnolipid biosurfactant (NC)	72431-1	Exempt	0	YES	4	--	- -	--
Other Use Requirements: Posting required for chemigation.									

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]
							1	2	

[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 is 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. It should be reported by telephone to 850-413-9919 or 800-320-0519.

[8] NA = not available; PH = postharvest only.

[9] SL = See label for use restrictions.

Table 7. 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 (F2)	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 1 year.									

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	
AXXE	Ammonium nonanoate (Z)	70299-23	NA[7]	0	NO	4	--	--	--
Other Use Requirements: None.									
Broadworks	Mesotrione (F2)	100-1131	0.01	30	NO	12	--	--	--
Other Use Requirements: Do not exceed 6 fl oz per acre at the first application. Do not exceed 12 fl oz per acre or more than 3 applications within a 12-month period. Allow at least 5 months between applications at 6 fl oz per acre, and at least 6 weeks between applications of 6 fl oz per acre and subsequent applications at 3 fl oz per acre.									
Bromacil Hyvar X	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 EZ	Flumioxazin (E)	59639-221	0.02	3	NO	12	--	--	--
Other Use Requirements: None.									
Chateau Complete	Flumioxazin + rimsulfuron (E, B)	59639-268	0.02, 0.01	3	NO	12	--	--	--
Other Use Requirements: Do not apply to trees established less than 1 year.									
Diuron	Diuron (C2)		NA	0	NO	12		--	100
Direx 4L		66222-54							
Diuron 4L		19713-36 (Drexel)							
Diuron 4L		9779-329 (Winfield Solutions LLC)							

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	
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	0.05	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	0.03	14	NO	12	--	--	--
Other Use Requirements: None.									
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							

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	
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 SL 2.0	Paraquat dichloride (D)	100-1431	0.05N	1	NO	24	10	10,000	1
Gramoxone SL 3.0	Paraquat dichloride (D)	100-1652	0.05N	1	NO	24	10	10,000	1
Other Use Requirements: RESTRICTED PESTICIDE.[8]									
Matrix Matrix FNV Matrix SG	Rimsulfuron (B)	352-556 352-671 352-768	0.01	3	NO	4	--	--	--
Other Use Requirements: RESTRICTED PESTICIDE.[8]									
Pendimethalin	Pendimethalin (K1)		0.1						
Prowl H_2O		241-418		1	NO	24	--	--	--
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	
Poast Plus	Sethoxydim (A)	7969-88	0.5	15	NO	12	--	--	--
Other Use Requirements: None.									
Remedy Ultra	Triclopyr (O)	62719-552 SLN FL 080004	NA	NA	NO	Until dry	--	--	--
Other Use Requirements: See supplemental labeling.									
Rely 280	Glufosinate-ammonium (H)	264-829	0.15	14	NO	12	--	--	--
Other Use Requirements: None.									
Select Max	Clethodim (A)	59639-132	NA	NA	NO	24	--	--	--
Other Use Requirements: *Should be used ONLY in nonbearing citrus trees.*									
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		33270-26							
Simazine 90DF		9779-295							
Simazine 90DF		19713-252							
Simazine 90 WDG		34704-686							

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	
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 (E)	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 is 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 8. 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]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[5]
							1	2	
ADVANTIGRO II	Cytokinin + Indole-3-butyric acid + Gibberellins	62097-64-2935	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Arrive Plus	Cytokinin + Gibberellic acid + Indole-3-butyric acid	57538-13-89391	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Ascend	Cytokinin + Gibberellic acid + Indole-3-butyric acid	(SL) 1381-253 (WSG) 1381-254 (2) 1381-273	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Biorend	Chitosan (poly-D-glucosamine)	91664-1	Exempt	N/A	NO	48	--	--	--
Other Use Requirements: None.									
Citrus Fix	Isopropyl ester of 2,4-dichlorophenoxyacetic acid	5481-145	3	7	NO	12	--	--	--
Other Use Requirements: RESTRICTED PESTICIDE.[6]									
Crop Protect Direct PGP	Cytokinin + Indole-3-butyric acid	90866-13-101458	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Cytokin	Cytokinin	90930-3	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Cytoplex HMS	Cytokinin + Gibberellins + Auxins	90930-6	Exempt	N/A	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]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[5]
							1	2	
Drexel Sprout-Stop	Potassium salt of maleic hydrazide	19713-2	N/A	--	NO	12	--	--	--
Other Use Requirements: None.									
EarthTrend Soil	Cytokinin	51517-3							
Other Use Requirements: None, use on nonbearing.									
Endurance	Choline chloride + Gamma-aminobutyric acid	34704-1125	--	N/A	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	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Homobrassinolide	Homobrassinolide	69361-49	Exempt	15	NO	4	--	--	--
Other Use Requirements: None.									
Hormodin 3	Indole-3-butyric acid	59807-3	N/A	--	--	--	--	--	--
Other Use Requirements: Use on propagation.									
KickStand PGR	Indole-3-butyric acid	5905-540	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
MavRx	Cytokinin + Indole-3-butyric acid	89168-77-89391	Exempt	N/A	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]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[5]
							1	2	
N-Large	Gibberellic acid	57538-18	Exempt	7	NO	12	--	--	--
Other Use Requirements: None.									
N-Large Premier	Gibberellic acid	57538-20							
Other Use Requirements: None.									
Obrona (old version)	PDHP 25279	71771-14-2935							
Other Use Requirements: None.									
OnWard	Cytokinin + Gamma-aminobutyric acid + Choline chloride	95775-2 (Max) 90866-31-95775	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Periscope	Cytokinin + Gibberellic acid + Indole-3-butyric acid	62097-45-534	Exempt	N/A	NO	4	--	--	--
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	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Radiate Next	Choline chloride + Indole-3-butyric acid + Gamma-aminobutyric acid + Cytokinin	90866-34-34704	Exempt	N/A	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]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[5]
							1	2	
Receptor	Cytokinin + Gibberellic acid + Indole-3-butyric acid	5905-594	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Rhizopon AA #3	Indole-3-butyric acid	63310-21	N/A	--	NO	0	--	--	--
Other Use Requirements: None. Use on propagation.									
Rio 1-0-5	Cytokinin + Gibberellic acid + Indole-3-butyric acid + Potash + Nitrogen + Zinc + Manganese + Boron	66330-381	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Soline	Indole-3-butyric acid + Gibberellic acid + Homobrassinolide	90930-8	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Stimulate Auxin/Cytokinin	Indole-3-butyric acid + Cytokinin	57538-54							
Other Use Requirements: None.									
Stimplex Crop Biostimulant	Cytokinin	75287-3	Exempt	0	NO	4	--	--	--
Other Use Requirements: None.									
Stimulate Plus Seed Germ	Cytokinin + Gibberellic acid + Indole-3-butyric acid + Indole-3-acetic acid	57538-64							
Other Use Requirements: None.									
Stimulate Yield Enhancer Plus	Cytokinin + Gibberellic acid + Indole-3-butyric acid	57538-53	Exempt	N/A	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]		
							TPQ (lb a.i.)[4]		RQ (lb a.i.)[5]
							1	2	
Sugar Mover Premier	Cytokinin + Boron + Molybdenum	57538-67	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Sunergist EBR	24-Epibrassinolide	92983-2	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Throttle	Cytokinin + Indole-3-butyric acid	62097-55-82917	Exempt	N/A	NO	4	--	--	--
Other Use Requirements: None.									
Validate	Cytokinin	34704-910	Exempt	40	NO	4	--	--	--
Other Use Requirements: None.									
X-Cyte	Cytokinin	57538-15	Exempt	N/A	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 and environmental concerns.

[3] Emergency Planning and Community Right-To-Know Act. The 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 is 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. It 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.

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

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