

# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 1

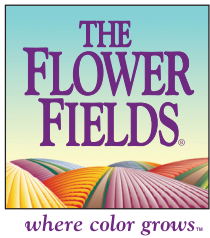
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AI	Active Ingredient	SG	Soluble Granules
E or EC	Emulsifiable Concentrate	SL	Suspension Liquid
ES	Emulsifiable Solution	T&O or T/O	Turf & Ornamental
F	Flowable	W or WP	Wettable Powder
G	Granular	WDG	Water Dispersible Granules
L	Liquid	WSB	Water Soluble Bag
LC	Liquid Concentrate	WSP	Water Soluble Pouch
ME	Micro-Encapsulated	*	Do not apply thru any type of irrigation system.
MW	Micronized Wettable		
S	Soluble		
SC	Suspension Concentrate		

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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Aphids	Biological	<i>Beauveria bassiana</i>	2004	BotaniGard® 22 WP	WP	8–16 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2004	BotaniGard® ES	ES	16–32 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2001	Naturalis® T&O	L	30–100 fl. oz.	4	At least 3–5 applications are necessary. <b>Wait 48 hours before applying fungicides.</b>
	Botanical	Azadirachtin	2004	Azatin® XL	EC	12–16 fl. oz.	4	Acts as an insect growth regulator. Do not exceed 10–21 fl. oz./acre. Also labeled for low volume use. <b>For use on brachyscome, daisies, impatiens, petunias, portulaca, snapdragons and verbena only.</b>
			2004	Ornazin 3%EC	EC	8–10 fl. oz.	12	Acts as insect growth regulator. Do not exceed 22.5 oz/acre/application.
		Neem Oil	2004	Triact® 70	EC	1–2 gal.	4	*
		Nicotine	2004	Fulex Nicotine Fumigator		12 oz./20,000 ft. <sup>3</sup>	4–24	<b>Foliage and blooms must be dry at the time of application.</b>
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	
	Carbamate	Carbaryl	2002	Sevin®	80 WSP	20 oz.	12	Apply up to 6 times/year but not more often than every 7 days. Carbaryl is unstable under highly alkaline conditions. Also available as an SL formulation. <b>Not labeled for greenhouse use. Do not apply to wet foliage or during periods of high humidity.</b>
			2004	Preclude® TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially, make 2 applications, 1 week apart. Thereafter, treat weekly as necessary.
			2002	Mesuro®	75 W	8–16 oz./acre	24	Apply in 50 gallons of water. Repeat as necessary applying up to 2 applications/season. Apply no sooner than 10 day intervals. <b>Do not apply with oil or foliar fertilizer.*</b>
	Chlorinated Hydrocarbon	Endosulfan	2004	Thiodan® 3EC	EC	21.3 fl. oz.	24	Do not exceed a maximum of 4 qt./acre/year.*
			2004	Thiodan® 50WP	WP	16 oz.	24	Do not exceed a maximum of 6 lbs./acre/year.*
			2004	Fulex Thiodan®	Smoke	6 oz./10,000 ft. <sup>3</sup>	24	<b>Foliage and blooms must be dry at the time of application.</b>
	Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	Check label for tank mix restrictions.*
			2001	Target	L	1–2 gal.	4	Check label for tank mix restrictions.*
			2001	Ultra-Fine® Oil	L	1–2 gal.	4	Check label for tank mix restrictions.*
	Insect Growth Regulator	Kinoprene	2004	Enstar® II	5 E	5 fl. oz.	4	Also labeled for low volume use. <b>See label for tank mix restrictions.</b>
		Pyriproxyfen	2003	Distance®	EC	6–8 fl. oz.	12	Apply no more than 2 applications/crop or 6 months.*
	Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>See label for tank mix restrictions. Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings.*</b>
	Macrocytic Lactone	Abamectin	2005	Abamectin 0.15EC	EC	8 fl. oz.	12	Foliar spray at 7 day intervals.*
Neonicotinoid	Acetamiprid	2004	Tristar 70	WSP	1 packet	24	Do not exceed 5 applications/crop/season or 22 packets. Apply no sooner than 7 day intervals.	
	Flonicamid	2004	Aria™	WDG	1–3 packets	12	Foliar spray at 7–28 day intervals.	
		2004	Marathon®	1 G	See label.	12		
	60 WP			See label.	12	Apply to soil only.		
	2004	Marathon II®	SC	1.7 fl. oz.	12	Apply coarse droplets as a foliar spray. Do not apply following a soil application in the same crop.		
Thiamethoxam	2003	Flagship	WG	2–4 oz.	12	Apply at not less than 7 day intervals. Also labeled for broadcast applications. Do not exceed 8 oz./crop/season. Test for phytotoxicity. <b>For use through microirrigation.</b>		



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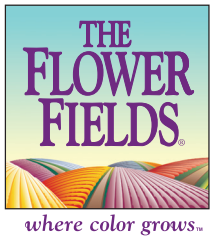
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Aphids Continued	Organophosphate	Acephate	2001	Address™ T/O	S, WSP	5.3 oz.	24	For use on daisies only. See label for mixing/application details.*
			2002	Orthene® Turf, Tree & Ornamental Spray	WSP	10.5 oz.	24	For use on daisies only.*
			2003	Orthene® Turf, Tree & Ornamental Spray 97	S	8 oz.	24	For use on daisies only.*
			2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	For use on impatiens, petunias, snapdragons and verbena only.
		Chlorpyrifos	2004	DuraGuard™ ME	F	25–50 fl. oz.	24	For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.
			2004	Dursban™	50 W	8–16 oz.	24	Not labeled for greenhouse use.*
		Diazinon	2001	Diazinon AG500	ES	16 fl. oz.	12	For use on petunias only. Not labeled for greenhouse use.*
		Dichlorvos	2004	Fulex DDVP	Fumigator	5.1 oz./10,000 ft. <sup>3</sup>	4–24	Foliage and blooms must be dry at the time of application.
		Malathion	2001	Malathion 5EC	EC	24 fl. oz.	12	Check for phytotoxicity.*
			2001	Malathion 8	EC & F	16 fl. oz.	12	Not labeled for greenhouse use.
	Naled	2001	Dibrom®	8 E	1 fl. oz./10,000 ft. <sup>3</sup>	24	Check for phytotoxicity.*	
		2001	GH-18	Fog	1 fl. oz./3,000 ft. <sup>3</sup>	24	For use on snapdragons only.	
	Sulfotep	2004	Fulex Dithio	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	For use on snapdragons only. Foliage and blooms must be dry at the time of application.	
	Organophosphate plus Pyrethroid	Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24	
	Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12	
			2004	Talstar® Flowable	F	8–40 fl. oz.	12	*
			2004	Talstar® Nursery Flowable	F	5–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
		Cyfluthrin	2004	Decathlon™	20 WP	1.9 oz.	12	Also labeled for low volume application.*
		Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	For outdoor plants only.*
		Fenpropathrin	2002	Tame®	2.4 EC	10.7 fl. oz.	24	Add 5.3–10.7 oz. of Orthene/100 gal. Do not exceed 16 fl. oz./acre/application.*
Fluvalinate		2004	Mavrik Aquaflow®	F	4–10 fl. oz.	12	Also labeled as a cutting dip at 5 fl. oz./100 gal. and for low volume application.*	
Lambda-cyhalothrin	2002	Scimitar®	GC	3–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. Do not mix with EC formulations or oils.*		
	2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2 lb. AI/acre/year. Not for use in nurseries.		
Pyridine Azomethine	Pymetrozine	2003	Endeavor	WDG	2.5–5 oz., up to 10 oz./acre	12	Foliar spray at 7–14 day intervals. For outdoor use, do not apply more than 48 oz./acre/year or 100 oz. for indoor use.*	



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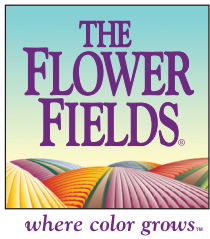
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Caterpillars/ Worms	Biological	<i>Bacillus thuringiensis</i>	2004	Biobit HP	WP	4-12 oz.	4	Check label for rate and application details.
			2001	Biobit XL	L	Rate depends on type of worm	4	Also labeled for low volume applications.*
			2004	Javelin	WG	.25-1.5 lbs..	4	Apply .25-1.5 lbs./acre with a minimum of 20 gal. solution/acre.*
			2004	Crymax® Bioinsecticide	WDG	24 oz.	4	Apply 1-2 lbs./acre.*
			2002	DiPel DF	DF	4-32 oz.	4	Also labeled for low volume applications.
			2004	Lepinox®	WDG	48 oz.	12	Apply 1-2 lb./acre.*
			2004	XenTari	WP	8-24 oz.	4	Also labeled for low volume applications.
			2001	Naturalis® T&O	L	30-100 fl. oz.	4	At least 3-5 applications are necessary. <b>Wait 48 hours before applying fungicides.</b>
	Botanical	Azadirachtin	2004	Azatin® EC	EC	10-16 fl. oz.	12	Acts as an insect growth regulator. Do not exceed 21 fl. oz./acre. Also labeled for low volume use. <b>For use on brachyscome, daisies, impatiens, petunias, portulaca, snapdragons and verbena only.</b>
			2004	Ornazin 3%EC	EC	8-10 fl. oz.	12	Acts as insect growth regulator. Do not exceed 22.5 oz/acre/application.
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500-3,000 ft. <sup>2</sup>	12	
	Carbamate	Carbaryl	2002	Sevin®	80 WSP	20 oz.	12	Apply up to 6 times/year but not more often than every 7 days. Carbaryl is unstable under highly alkaline conditions. Also available as an SL formulation. <b>Not labeled for greenhouse use. Do not apply to wet foliage or during periods of high humidity.</b>
			2004	Preclude® TR	Aerosol	3 oz./1500-3000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially, make 2 applications, 1 week apart. Thereafter, treat weekly as necessary.
	Horticultural Oils	Horticultural Oils	2001	Target	L	1-2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	Insect Growth Regulator	Diflubenzuron	2004	Adept®	WSP	4-8 oz.	12	
			2004	Dimilin®	SC	2-4 fl. oz.	12	
		Novaluron	2006	Pedestal™	SC	6-8 fl. oz.	12	Foliar spray at 30 day intervals. Rotate with at least two chemicals between applications. Do not apply more than twice per year or 52 fl.oz./acre/year.*
	Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1-2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. Check label for tank mix restrictions.*</b>
	Organophosphate	Acephate	2004	1300 Orthene® TR	Aerosol	6 oz./2,250-4,500 ft. <sup>2</sup>	24	<b>For use on impatiens, petunias, snapdragons and verbena only.</b>
		Chlorpyrifos	2004	DuraGuard™ ME	F	25-50 fl. oz.	24	<b>For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.</b>
2004			Dursban™	50 W	8-16 oz.	24	<b>Not labeled for greenhouse use.*</b>	
Diazinon		2001	Diazinon AG500	ES	16 fl. oz.	12	<b>For use on petunias only. Not labeled for greenhouse use.*</b>	
Malathion		2001	Malathion 8	EC & F	20 fl. oz.	12	<b>Not labeled for greenhouse use.</b>	
Naled		2001	Dibrom®	8 E	1 fl. oz./10,000 ft. <sup>3</sup>	24	<b>Check for phytotoxicity.*</b>	



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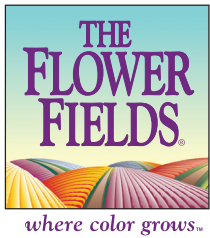
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Caterpillars/ Worms <i>Continued</i>	Organophosphate plus Pyrethroid	Chlorphenaphyr	2004	Pylon	25C	2.6–5.3 oz.	12	Apply no more than twice consecutively or three times per crop/season. <b>Check label for mixing restrictions. Discontinue use prior to blooming. For use on ageratum, impatiens, petunias, snapdragons, and verbena.*</b>
		Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24	
	Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12	
			2004	Talstar® Flowable	F	8–40 fl. oz.	12	*
			2004	Talstar® Nursery Flowable	F	5–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
		Cyfluthrin	2004	Decathlon™	20 WP	1.3 oz.	12	Also labeled for low volume application.*
		Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	<b>For outdoor plants only.*</b>
		Fenpropathrin	2002	Tame®	2.4 EC	10½ fl. oz.	24	May be tank mixed with Orthene Turf Tree & Ornamental Spray. Do not exceed 16 fl. oz./acre/application.*
		Fluvalinate	2004	Mavrik Aquaflow®	F	4–10 fl. oz.	12	Also labeled for low volume use.*
	Lambda-cyhalothrin	2002	Scimitar®	GC	1.5–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. <b>Do not mix with EC formulations or oils.*</b>	
Permethrin	2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2 lb. AI/acre/year. Not for use in nurseries.		
Spinosad	Spinosyn A&D	2001	Conserve™	SC	6 fl. oz.	4	Do not apply more than 10 times in a 12 month period per crop or greenhouse. Do not apply more than 3 consecutive applications.*	
Fungus Gnats	Biological	<i>Bacillus thuringiensis</i>	2001	Gnatrol®	L	16–128 fl. oz.	4	<b>Do not combine with fertilizers or fungicides containing copper or chlorine.</b>
		<i>Beauveria bassiana</i>	2001	Naturalis® T&O	L	30–100 fl. oz.	4	At least 3–5 applications are necessary. Apply as a course spray to media and under benches. Also labeled for shore fly control. <b>Wait 48 hours before applying fungicides.</b>
		<i>Steinernema feltiae</i>	2003	NemaShield™	WDG	1 container/1,000 ft. <sup>2</sup>	-	Apply as a coarse spray to soil then rinse off foliage. Keep soil moist for 2 weeks following application. Apply at 2–4 week intervals.
			2001	Nemasys®	WDG	1 pack/550–1,700 ft. <sup>2</sup>	-	Apply to moist soil. If applied over foliage, irrigate immediately with plain water to wash nematodes onto media surface.
			2001	X-Gnat®	WDG	1–2 containers/ 3,000 ft. <sup>2</sup>	-	Three weekly applications are required at the curative rate.
	Botanical	Azadirachtin	2004	Azatin® EC	EC	8 fl. oz.	12	Apply as soil drench for maggot control. Acts as an insect growth regulator. Also labeled for shore fly control and low volume use. Do not exceed 21 fl. oz./acre.
			2004	Ornazin 3%EC	EC	8–10 fl. oz.	12	Acts as insect growth regulator. Also labeled for shore flies. Repeat applications every 7 days for 3 weeks. Do not exceed 22.5 oz./ acre/application.
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	
	Carbamate	Fenoxycarb	2001	Precision™ Accu-Pak	WSP	4 oz.	12	Also labeled for control of shore flies. Acts as an insect growth regulator. Apply as spray or drench. Do not exceed 30 applications/year.
	Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	Apply as a spray. <b>Check label for tank mix restrictions.*</b>
			2001	Target	L	1–2 gal.	4	Apply as a spray. <b>Check label for tank mix restrictions.*</b>
			2001	Ultra-Fine® Oil	L	1–2 gal.	4	Apply as a spray. <b>Check label for tank mix restrictions.*</b>
	Insect Growth Regulator	Diflubenzuron	2004	Adept®	WSP	2 oz.	12	Also labeled for shore flies. <b>Accurate delivery of active ingredient per container is essential. See label for details on applications and restrictions.</b>
Kinoprene			2004	Enstar® II	5 E	5 fl. oz.	4	Spray to completely cover soil surface, water in after spraying to ensure contact with larvae and eggs. <b>See label for tank mix restrictions.</b>
Pyriproxyfen			2003	Distance®	EC	3–9 fl. oz.	12	Apply as a spray or drench. Also labeled for shore fly control. Apply no more than 2 applications/crop or 6 months.*



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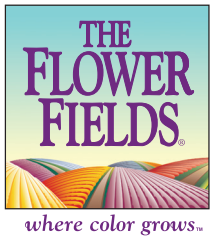
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Fungus Gnats <i>Continued</i>	Organophosphate	Acephate	2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	<b>For use on impatiens, petunias, snapdragons and verbena only.</b>
		Chlorpyrifos	2004	DuraGuard™ ME	F	25–50 fl. oz.	24	<b>For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.</b>
		Diazinon	2001	Knox Out® GH	ME	48–96 fl. oz.	12	Apply as a spray to the soil surface. Also labeled for shore fly control.*
	Organophosphate plus Pyrethroid	Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24	
		Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12
	2004			Talstar® Flowable	F	8–40 fl. oz.	12	Apply as a spray.*
	2004			Talstar® Nursery Flowable	F	10–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
	2004		Talstar® Nursery Granular	G	See label.	12		
	Cyfluthrin	2004	Decathlon™	20 WP	1.3 oz.	12	Apply as a spray. Also labeled for low volume application.*	
	Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	<b>For outdoor plants only.*</b>	
Permethrin	2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2 lb. AI/acre/year. Not for use in nurseries.		
Triazine	Cytomazine	2003	Citation®	WP	2.66 oz.	12	Apply as a spray or drench. Also labeled for shore fly control and low volume applications.*	
Leafminers	Botanical	Azadirachtin	2004	Azatin® EC	EC	10–16 fl. oz.	12	Acts as an insect growth regulator. Do not exceed 21 fl. oz./acre. Also labeled for low volume use. <b>For use on brachyscome, daisies, impatiens, petunias, portulaca, snapdragons and verbena only.</b>
			2004	Ornazin 3%EC	EC	8–10 fl. oz.	12	Acts as insect growth regulator. Do not exceed 22.5 oz/acre/application.
	Carbamate	Carbaryl	2002	Sevin®	80 WSP	20 oz.	12	Apply up to 6 times/year but not more often than every 7 days. Carbaryl is unstable under highly alkaline conditions. Also available as an SL formulation. <b>Not labeled for greenhouse use. Do not apply to wet foliage or during periods of high humidity.</b>
			2001	Precision™ Accu-Pak	WSP	2–4 oz.	12	Acts as an insect growth regulator. Also labeled for low volume application. Do not exceed 30 applications/year.
		2004	Preclude® TR	Aerosol	4 oz./1,500–3,000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially make 2 applications, one week apart. Thereafter, treat weekly as necessary.	
	Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Target	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Ultra-Fine® Oil	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	Insect Growth Regulator	Diflubenzuron	2004	Adept®	WSP	4–8 oz.	12	Lepidopterors leafminers only.
			2004	Dimilin®	SC	2–4 fl. oz.	12	
		Novaluron	2006	Pedestal™	SC	6–8 fl. oz.	12	Foliar spray at 30 day intervals. Rotate with at least two chemicals between applications. Do not apply more than twice per year or 52 fl.oz./acre/year.*
	Pyriproxyfen	2002	Distance®	EC	8–12 fl. oz.	12	Apply no more than 2 applications/crop or 6 months.*	
	Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. Check label for tank mix restrictions.*</b>
	Macrocylic Lactone	Abamectin	2005	Abamectin 0.15EC	EC	8 fl. oz.	12	Foliar spray at 7 day intervals.*
2003			Avid®	0.15 EC	8 fl. oz.	12	Apply 8–16 fl. oz./acre.*	



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 6

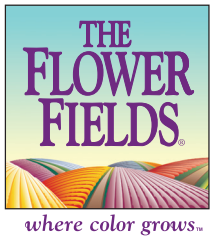
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AI	Active Ingredient	SG	Soluble Granules
E or EC	Emulsifiable Concentrate	SL	Suspension Liquid
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L	Liquid	WSB	Water Soluble Bag
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ME	Micro-Encapsulated	* Do not apply thru any type of irrigation system.	
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Leafminers Continued	Neonicotinoid	Acetamiprid	2004	Tristar 70	WSP	2 packets	24	Do not exceed 5 applications/crop/season or 22 packets. Apply no sooner than 7 day intervals.
		Imidacloprid	2004	Marathon®	1% G	See label.	12	
			2004	Marathon II®	60 WP	See label.	12	Apply to soil only.
	Organophosphate	Acephate	2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	<b>For use on impatiens, petunias, snapdragons and verbena only.</b>
		Chlorpyrifos	2004	DuraGuard™ ME	F	25–50 fl. oz.	24	<b>For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.</b>
			2004	Dursban™	50 W	32 oz.	24	<b>Not labeled for greenhouse use.*</b>
		Diazinon	2001	Diazinon AG500	ES	16 fl. oz.	12	<b>For use on petunias only. Not labeled for greenhouse use.*</b>
		Malathion	2001	Malathion 8	EC & F	20 fl. oz.	12	<b>Not labeled for greenhouse use.</b>
	Pyrethroid	Bifenthrin	2004	Talstar® Flowable	F	20–40 fl. oz.	12	*
			2004	Talstar® Nursery Flowable	F	20–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
		Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	<b>For outdoor plants only.*</b>
		Fenpropathrin	2002	Tame®	2.4 EC	5 1/3–10 2/3 fl. oz.	24	May be tank mixed with Orthene. Do not exceed 16 fl. oz./acre/application.*
		Lambda-cyhalothrin	2002	Scimitar®	GC	3–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. <b>Do not mix with EC formulations or oils.*</b>
	Permethrin	2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2 lb. AI/acre/year. Not for use in nurseries.	
	Spinosad	Spinosyn A&D	2001	Conserve™	SC	22 fl. oz.	4	Do not apply more than 10 times in a 12 month period per crop or greenhouse. Do not apply more than 3 consecutive applications.*
Triazine	Cytomazine	2003	Citation®	WP	2.66 oz./A	12	Repeat applications at 7 day intervals. Make no more than 3 applications then switch to Avid for the same period. Make no more than a total of 6 applications of Citation/crop. Also labeled for low volume.*	
Mealybugs	Biological	<i>Beauveria bassiana</i>	2004	BotaniGard® 22 WP	WP	8–32 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2004	BotaniGard® ES	ES	16–32 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2001	Naturalis® T&O	L	30–100 fl. oz.	4	At least 3–5 applications are necessary. <b>Wait 48 hours before applying fungicides.</b>
	Botanical	Azadirachtin	2004	Ornazin	EC	8–10 fl. oz.	12	Acts as an insect growth regulator. Do not exceed 22.5 oz./acre/application.
		Neem Oil	2004	Triact® 70	EC	1–2 gal.	4	*
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	
	Carbamate	Carbaryl	2002	Sevin®	80 WSP	20 oz.	12	Apply up to 6 times/year but not more often than every 7 days. Carbaryl is unstable under highly alkaline conditions. Also available as an SL formulation. <b>Not labeled for greenhouse use. Do not apply to wet foliage or during periods of high humidity.</b>
			2004	Preclude® TR	Aerosol	2 oz./1500–3000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially, make 2 applications, 1 week apart. Thereafter, treat weekly as necessary.
	Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	Apply as a spray. <b>Check label for tank mix restrictions.*</b>
			2001	Target	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
2001			Ultra-Fine® Oil	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>	
Insect Growth Regulator	Buprofezin	2004	Tallus	WSP	8 oz.	12	Do not exceed 2 applications/crop/season. Also labeled for low volume use.*	
	Kinoprene	2004	Enstar® II	5 E	5 fl. oz.	4	Also labeled for low volume use. <b>See label for tank mix restrictions.</b>	
	Pyriproxyfen	2002	Distance®	EC	8–12 fl. oz.	12	Apply as a spray or drench. Apply no more than 2 applications/crop/season.	



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 7

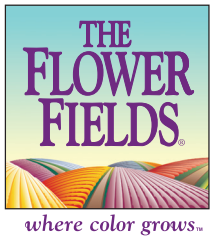
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ME	Micro-Encapsulated	*	Do not apply thru any type of irrigation system.
MW	Micronized Wettable		
S	Soluble		
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Mealybugs Continued	Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. Check label for tank mix restrictions.*</b>
	Neonicotinoid	Acetamiprid	2004	Tristar 70	WSP	2 packets	24	Do not exceed 5 applications/crop/season or 22 packets. Apply no sooner than 7 day intervals.
		Dinotefuran	2005	Safari™	SG	4–8 oz.	12	Foliar Spray at 14–21 day intervals. Also labeled as a drench at 12–24 oz./100 gal. using 4 fl.oz/6" pot.
		Fonicamid	2004	Aria™	WDG	3–6 packets	12	Foliar spray at 7–28 day intervals.
		Imidacloprid	2004	Marathon®	1% G	See label.	12	
				60 WP	See label.	12	Apply to soil only.	
	2004	Marathon II®	SC	1.7 fl. oz.	12	Apply coarse droplets as a foliar spray. Do not apply following a soil application in the same crop.		
	Thiamethoxam	2003	Flagship	WG	2–4 oz.	12	Apply at not less than 7 day intervals. Also labeled for broadcast applications. Do not exceed 8 oz./crop/season. Test for phytotoxicity. <b>For use through microirrigation.</b>	
	Organophosphate	Acephate	2001	Address™ T/O	S, WSP	10.5 oz.	24	<b>For use on daisies only. See label for mixing/application details.*</b>
			2003	Orthene® Turf, Tree & Ornamental Spray	WSP	10.5 oz.	24	<b>For use on daisies only.*</b>
			2003	Orthene® Turf, Tree & Ornamental Spray 97	S	8 oz.	24	<b>For use on daisies only.*</b>
			2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	<b>For use on impatiens, petunias, snapdragons and verbena only.</b>
		Chlorpyrifos	2004	DuraGuard™ ME	F	25–50 fl. oz.	24	<b>For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.</b>
			2004	Dursban™	50 W	16 oz.	24	<b>Not labeled for greenhouse use.*</b>
		Dichlorvos	2004	Fulex DDVP	Fumigator	5.1 oz./10,000 ft. <sup>3</sup>	4–24	<b>Foliage and blooms must be dry at the time of application.</b>
		Malathion	2001	Malathion 5EC	EC	24 fl. oz.	12	<b>Check for phytotoxicity.*</b>
			2001	Malathion 8	EC & F	16 fl. oz.	12	<b>Not labeled for greenhouse use.</b>
		Naled	2001	Dibrom®	8 E	1 fl. oz./10,000 ft. <sup>3</sup>	24	<b>Check for phytotoxicity.*</b>
	2001		GH-18	Fog	1 fl. oz./3,000 ft. <sup>3</sup>	24	<b>For use on snapdragons only.</b>	
	2004	Fulex Dithio	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	<b>For use on snapdragons only. Foliage and blooms must be dry at the time of application.</b>		
	Organophosphate plus Pyrethroid	Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24	
	Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12	
			2004	Talstar® Flowable	F	8–40 fl. oz.	12	*
			2004	Talstar® Nursery Flowable	F	10–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
				Talstar® Nursery Granular	G	See label.	12	
		Cyfluthrin	2004	Decathlon	20 WP	1.9 oz.	12	Also labeled for low volume application.*
		Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	<b>For outdoor plants only.*</b>
		Fenpropathrin	2002	Tame®	2.4 EC	16 fl. oz.	24	May be tank mixed with Orthene. Do not exceed 16 fl. oz./acre/application.*
		Fluvalinate	2004	Mavrik Aquaflow®	F	5 fl. oz.	12	Labeled as a cutting dip.*
		Lambda-cyhalothrin	2002	Scimitar®	GC	3–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. <b>Do not mix with EC formulations or oils.*</b>
Permethrin		2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2 lb. AI/acre/year. Not for use in nurseries.	
Resmethrin	2001	GH-60	Fog	1 fl. oz./1,000 ft. <sup>3</sup>	24	<b>For use on snapdragons only.</b>		



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 8

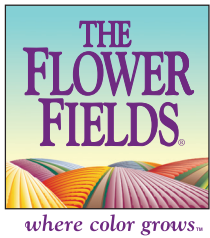
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Scale	Botanical	Azadirachtin	2004	Ornazin	EC	8–10 fl. oz.	12	Acts as an insect growth regulator. Do not exceed 22.5 oz./acre/application.
		Neem Oil	2004	Triact® 70	EC	1–2 gal.	4	*
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	
	Carbamate	Carbaryl	2002	Sevin®	80 WSP	20 oz.	12	Apply up to 6 times/year but not more often than every 7 days. Carbaryl is unstable under highly alkaline conditions. Also available as an SL formulation. <b>Not labeled for greenhouse use. Do not apply to wet foliage or during periods of high humidity.</b>
		Fenoxycarb	2001	Precision™ Accu-Pak	WSP	2–4 oz.	12	Acts as an insect growth regulator. Also labeled for low volume application. Do not exceed 30 applications/year.
			2004	Preclude® TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	Acts as an insect growth regulator.
	Chloronicotynyls	Imidacloprid	2004	Marathon®	1 G	See label.	12	
					60 WP	See label.	12	Apply to soil only.
	Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Target	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Ultra-Fine® Oil	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	Insect Growth Regulator	Buprofezin	2004	Tallus	WSP	9.6 oz.	12	Do not exceed 2 applications/crop/season. Also labeled for low volume use.*
		Kinoprene	2004	Enstar® II	5 E	5 fl. oz.	4	Also labeled for low volume use. <b>See label for tank mix restrictions.</b>
		Pyriproxyfen	2003	Distance®	EC	8–12 fl. oz.	12	Apply no more than 2 applications/crop or 6 months.*
	Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. See label for tank mix restrictions.*</b>
	Neonicotinoid	Dinotefuran	2005	Safari™	SG	4–8 oz.	12	Foliar Spray at 14–21 day intervals. Also labeled as a drench at 12–24 oz./100 gal. using 4 fl.oz/6" pot.
	Organophosphate	Acephate	2003	Orthene® Turf, Tree & Ornamental Spray	WSP	10.5 oz.	24	Labeled for control of scale on other crops. <b>For use on daisies only.*</b>
			2003	Orthene® Turf, Tree & Ornamental Spray 97	S	8 oz.	24	<b>For use on daisies only.*</b>
			2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	<b>For use on impatiens, petunias, snapdragons and verbena only.</b>
		Chlorpyrifos	2004	DuraGuard™ ME	F	25–50 fl. oz.	24	<b>For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.</b>
2004			Dursban™	50 W	32 oz.	24	<b>Not labeled for greenhouse use.*</b>	
Diazinon		2001	Diazinon AG500	ES	16 fl. oz.	12	<b>For use on petunias only. Not labeled for greenhouse use.*</b>	
Malathion		2001	Malathion 5EC	EC	16–64 fl. oz.	12	<b>Check for phytotoxicity.*</b>	
		2001	Malathion 8	EC & F	16 fl. oz.	12	<b>Not labeled for greenhouse use.</b>	
Sulfotep	2004	Fulex Dithio	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	<b>For use on snapdragons only. Foliage and blooms must be dry at the time of application.</b>		



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 9

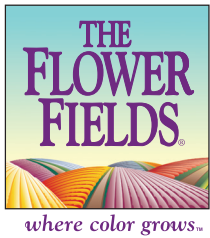
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Scale Continued	Organophosphate plus Pyrethroid	Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24	
	Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12	
			2004	Talstar® Flowable	F	8–40 fl. oz./A	12	*
			2004	Talstar® Nursery Flowable	F	10–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
		Cyfluthrin	2004	Decathlon	20 WP	1.9 oz.	12	Also labeled for low volume application.*
		Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	<b>For outdoor plants only.*</b>
Lambda-cyhalothrin	2002	Scimitar®	GC	1.5–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. <b>Do not mix with EC formulations or oils.*</b>		
Spider Mites	Biological	<i>Beauveria bassiana</i>	2001	Naturalis® T&O	L	30–100 fl. oz.	4	At least 3–5 applications are necessary. <b>Wait 48 hours before applying fungicides.</b>
	Botanical	Neem Oil	2004	Triact® 70	EC	1–2 gal.	4	*
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	
	Carbamate	Fenoxycarb	2004	Preclude® TR	Aerosol	2 oz./1500–3000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially, make 2 applications, 1 week apart. Thereafter, treat weekly as necessary.
		Methiocarb	2002	Mesuroi®	75 W	8–16 oz./acre	24	Apply in 50 gallons of water. Repeat as necessary applying up to 2 applications/season. Apply no sooner than 10 day intervals. <b>Do not apply with oil or foliar fertilizer applications.*</b>
	Carbazate	Bifenazate	2004	Floramite SC	SC	4–8 fl. oz.	12	Apply no more than 2 applications/crop/season. Do not make successive applications.*
	Carboxamide	Hexythiazox	2004	Hexygon	50 DF	1–2 oz.	12	Make only 1 application/crop cycle. <b>Check label for tank mix restrictions.*</b>
	Chlorinated Hydrocarbon	Oxythioquinox	2004	Joust™	4 L	4–8 fl. oz.	24	<b>For outdoor use only. Do not add adjuvants or oils.*</b>
	Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Target	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Ultra-Fine® Oil	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	Inorganic	Sulfur	2003	Microthiol® Dispers™	MW	3–10 lb./acre	24	Injury may be enhanced under high temperatures. <b>Do not use within 2 weeks of an oil spray.</b>
			2003	Microthiol® Special	MW	3–10 lb./acre	24	Injury may be enhanced under high temperatures. <b>Do not use within 2 weeks of an oil spray.</b>
			2001	Sulfa	F	32–160 fl. oz.	24	Foliar spray at 5–14 day intervals. <b>For use on daisies, petunias, snapdragons, and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.</b>
			2001	Sulfur 6L	L	48–128 fl. oz.	24	Foliar spray at 5–10 day intervals. <b>Not labeled for greenhouse use. Do not use within 2 weeks of an oil spray or EC.</b>
Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. Check label for tank mix restrictions.*</b>	



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 10

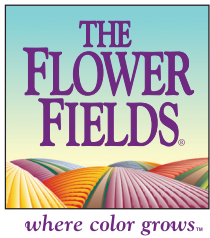
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AI	Active Ingredient	SG	Soluble Granuals
E or EC	Emulsifiable Concentrate	SL	Suspension Liquid
ES	Emulsifiable Solution	T&O or T/O	Turf & Ornamental
F	Flowable	W or WP	Wettable Powder
G	Granular	WDG	Water Dispersible Granules
L	Liquid	WSB	Water Soluble Bag
LC	Liquid Concentrate	WSP	Water Soluble Pouch
ME	Micro-Encapsulated		
MW	Micronized Wettable		
S	Soluble	*	Do not apply thru any type of irrigation system.
SC	Suspension Concentrate		

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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Spider Mites	Macrocytic Lactone	Abamectin	2005	Abamectin 0.15EC	EC	4 fl. oz.	12	Foliar spray at 7 day intervals.*
			2003	Avid®	0.15 EC	4 fl. oz.	12	Apply 8–16 fl. oz./acre.*
Mites	Mite Growth Regulator	Etoxazole	2004	Tetrasan 5	WDG	8–16 oz.	12	Do not exceed 2 applications/crop/season. Also labeled for low volume use. Text for phytotoxicity*
	Organophosphate	Acephate	2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	<b>For use on impatiens, petunias, snapdragons and verbena only.</b>
Chlorpyrifos		2004	DuraGuard™ ME	F	25–50 fl. oz.	24	<b>For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.</b>	
		2004	Dursban™	50 W	16 oz.	24	<b>Not labeled for greenhouse use.*</b>	
Diazinon		2001	Diazinon AG500	ES	16 fl. oz.	12	<b>For use on petunias only. Not labeled for greenhouse use.*</b>	
Dichlorvos		2004	Fulex DDVP	Fumigator	5.1 oz./10,000 ft. <sup>3</sup>	4–24	<b>Foliage and blooms must be dry at the time of application.</b>	
Malathion		2001	Malathion 5EC	EC	24 fl. oz.	12	<b>Check for phytotoxicity.*</b>	
		2001	Malathion 8	EC & F	16 fl. oz.	12	<b>Not labeled for greenhouse use.</b>	
Naled		2001	Dibrom®	8 E	1 fl. oz./10,000 ft. <sup>3</sup>	24	<b>Check for phytotoxicity.*</b>	
		2001	GH-18	Fog	1 fl. oz./3,000 ft. <sup>3</sup>	24	<b>For use on snapdragons only.</b>	
Sulfotep		2004	Fulex Dithio	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	<b>For use on snapdragons only. Foliage and blooms must be dry at the time of application.</b>	
	2001	Plantfume 103™	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	<b>For use on impatiens, petunias, portulaca, snapdragons and verbena only. Foliage and blooms must be dry at the time of application.</b>		
Organophosphate plus Pyrethroid	Chlorphenaphyr	2004	Pylon	25C	2.6–5.3 oz.	12	Apply no more than twice consecutively or three times per crop/season. <b>Check label for mixing restrictions. Discontinue use prior to blooming. For use on ageratum, impatiens, petunias, snapdragons, and verbena.*</b>	
	Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24		
Phenoxyprazole	Fenproximate	2004	Akari™ 5SC	SC	16–24 fl. oz.	12	Do not apply more than 10 gal of spray /1000 ft. <sup>2</sup> /application. Do not apply more than 48 fl.oz./crop cycle or growing season, whichever is longer.	
Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12		
		2004	Talstar® Flowable	F	12–40 fl. oz.	12	Also labeled for broad mite control.*	
		2004	Talstar® Nursery Flowable	F	10–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*	
	Deltamethrin	2004	DeltaGard® GC	5 SC	4–8 fl. oz.	12	Spider mite suppression only. <b>For outdoor plants only.*</b>	
	Fenpropathrin	2004	Tame®	2.4 EC	8–16 fl. oz.	24	May be tank mixed with Orthene. Do not exceed 16 fl. oz./acre/application.*	
	Fluvalinate	2004	Mavrik Aquaflow®	F	4–10 fl. oz.	12	Also labeled as a cutting dip at 5 fl. oz./100 gal. and for low volume application.*	
	Lambda-cyhalothrin	2002	Scimitar®	GC	3–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. <b>Do not mix with EC formulations or oils.*</b>	
Pyridazinone	Pyridaben	2001	Sanmite®	75 WP	2–4 oz.	12	Allow at least 2 different chemicals to be used between Sanmite treatments. Do not exceed 10.67 oz./acre/application.*	
Spinosad	Spinosyn A&D	2001	Conserve™	SC	22 fl. oz.	4	Do not apply more than 10 times in a 12 month period per crop or greenhouse. Do not apply more than 3 consecutive applications.*	
Sulfite Ester	Propargite	2004	Ornamite®	WSB	16 oz.	7 days	<b>Labeled for outdoor use only. See label for compatibility issues.*</b>	
Tetrazine	Clofentezine	2001	Ovation™ SC	SC	2 fl. oz.	12	Make only 1 application/crop. Do not exceed 8 fl. oz./acre. Also labeled for low volume application. Ovation SC is magenta in color and may leave a residue.	
Tetronic acids	Spiromesifen	2005	Judo™	FL	2–4 fl. oz.	12	Foliar spray at 4–10 day intervals. <b>Do not use on impatiens.</b>	



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 11

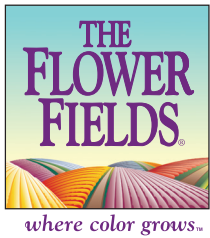
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G	Granular	WDG	Water Dispersible Granules
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LC	Liquid Concentrate	WSP	Water Soluble Pouch
ME	Micro-Encapsulated	*	Do not apply thru any type of irrigation system.
MW	Micronized Wettable		
S	Soluble		
SC	Suspension Concentrate		

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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Thrips	Biological	<i>Beauveria bassiana</i>	2004	BotaniGard® 22 WP	WP	16–32 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2004	BotaniGard® ES	ES	32 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2001	Naturalis® T&O	L	30–100 fl. oz.	12	At least 3–5 applications are necessary. <b>Wait 48 hours before applying fungicides.</b>
	Botanical	Azadirachtin	2004	Azatin® EC	EC	12–16 fl. oz.	12	Acts as an insect growth regulator. Also labeled for low volume use. Do not exceed 21 fl. oz./acre. <b>For use on brachyscome, daisies, impatiens, petunias, portulaca, snapdragons and verbena only.</b>
			2004	Ornazin	SC	8–10 fl. oz.	12	Acts as insect growth regulator. Do not exceed 22.5 oz/acre/application.
			2004	Ornazin 3%EC	EC	8–10 fl. oz.	12	Acts as insect growth regulator. Do not exceed 22.5 oz/acre/application.
		Nicotine	2004	Fulex Nicotine	Fumigator	12 oz./20,000 ft. <sup>3</sup>	4–24	<b>Foliage and blooms must be dry at the time of application.</b>
	Carbamate	Carbaryl	2001	Pyrethrum TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12	
			2002	Sevin®	80 WSP	20 oz.	12	Apply up to 6 times/year but not more often than every 7 days. Carbaryl is unstable under highly alkaline conditions. Also available as an SL formulation. <b>Not labeled for greenhouse use. Do not apply to wet foliage or during periods of high humidity.</b>
			2001	Precision™ Accu-Pak	WSP	2–4 oz.	12	Acts as an insect growth regulator. Also labeled for low volume application. Do not exceed 30 applications/year.
	Horticultural Oils	Horticultural Oils	2004	Preclude® TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially, make 2 applications, 1 week apart. Thereafter, treat weekly as necessary.
			2002	MesuroI®	75 W	8–16 oz./acre	24	Apply in 50 gallons of water. Repeat as necessary applying up to 2 applications/season. Apply no sooner than 10 day intervals. <b>Do not apply with oil or foliar fertilizer applications.*</b>
			2001	Saf-T-Side™	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	Insect Growth Regulator	Kinoprene	2001	Target	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2001	Ultra-Fine® Oil	L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
			2004	Enstar® II	5 E	5 fl. oz.	4	Also labeled for low volume use. <b>See label for tank mix restrictions.</b>
	Insect Growth Regulator	Novaluron	2006	Pedestal™	SC	6–8 fl. oz.	12	Foliar spray at 30 day intervals. Rotate with at least two chemicals between applications. Do not apply more than twice per year or 52 fl.oz./acre/year.*
			2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. Check label for tank mix restrictions.*</b>
	Macrocydlic Lactone	Abamectin	2005	Abamectin 0.15EC	EC	8 fl. oz.	12	Foliar spray at 7 day intervals.*
			2003	Avid®	0.15 EC	8–16 fl. oz./acre	12	Labeled for control of spider mites and leafminers.*
	Neonicotinoid	Acetamiprid	2004	Tristar 70	WSP	3–6 packets	24	Do not exceed 5 applications/crop/season or 22 packets. Apply no sooner than 7 day intervals.
Dinotefuran		2005	Safari™	SG	4–8 oz.	12	Foliar Spray at 14–21 day intervals. Also labeled as a drench at 12–24 oz./100 gal. using 4 fl.oz/6" pot.	
Fonicamid		2004	Aria™	WDG	3–4 packets	12	Foliar spray at 7–28 day intervals.	
Imidacloprid		2004	Marathon®	1 G	See label.	12	For thrips suppression.	
		60 WP	See label.	12	Apply to soil only. For thrips suppression.			
2004	Marathon II®	SC	1.7 fl. oz.	12	Apply coarse droplets as a foliar spray. Do not apply following a soil application in the same crop. Suppression on foliage only. Thrips in buds and flowers will not be suppressed.			



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 12

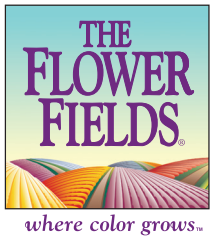
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G	Granular	WP	
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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Thrips Continued	Organophosphate	Acephate	2001	Address™ T/O	S, WSP	10.5 oz.	24	For use on daisies only. See label for mixing/application details.*
			2003	Orthene® Turf, Tree & Ornamental Spray	WSP	10.5 oz.	24	For use on daisies only.*
			2003	Orthene® Turf, Tree & Ornamental Spray 97	S	8 oz.	24	For use on daisies only.*
			2004	1300 Orthene® TR	Aerosol	6 oz./2,250–4,500 ft. <sup>2</sup>	24	For use on impatiens, petunias, snapdragons and verbena only.
		Chlorpyrifos	2004	DuraGuard™	ME	25–50 fl. oz.	24	For use on impatiens, petunias, snapdragons and verbena only. Direct spray to open blooms may cause petal drop.
			2004	Dursban™	50 W	16 oz.	24	Not labeled for greenhouse use.*
		Diazinon	2001	Diazinon AG500	ES	16 fl. oz.	12	For use on petunias only. Not labeled for greenhouse use.*
		Malathion	2001	Malathion 5EC	EC	24 fl. oz.	12	Check for phytotoxicity.
			2001	Malathion 8	EC & F	16 fl. oz.	12	Not labeled for greenhouse use.
		Naled	2001	GH-18	Fog	1 fl. oz./3,000 ft. <sup>3</sup>	24	For use on snapdragons only.
	Sulfotep	2004	Fulex Dithio	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	For use on snapdragons only. Foliage and blooms must be dry at the time of application.	
	Organophosphate plus Pyrethroid	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24		
	Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb./1,500–3,000 ft. <sup>2</sup>	12	
			2004	Talstar® Flowable	F	12–40 fl. oz.	12	*
			2004	Talstar® Nursery Flowable	F	10–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
		Cyfluthrin	2004	Decathlon	20 WP	1.9 oz.	12	Also labeled for low volume application.*
		Fluvalinate	2004	Mavrik Aquaflow®	F	4–10 fl. oz.	12	Also labeled for low volume application.*
		Lambda-cyhalothrin	2002	Scimitar®	GC	1.5–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. Do not mix with EC formulations or oils.*
	Permethrin	2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2.0 lb. AI/acre/year. Not for use in nurseries.	
	Spinosad	2001	Conserve™	SC	6 fl. oz.	4	Do not apply more than 10 times in a 12 month period per crop or greenhouse. Do not apply more than 3 consecutive applications.*	



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 13

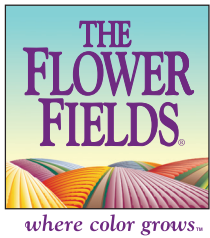
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SC	Suspension Concentrate		

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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Whiteflies	Biological	<i>Beauvaria bassiana</i>	2004	BotaniGard® 22 WP	WP	8–16 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2004	BotaniGard® ES	ES	16–32 oz.	4	Use coarse spray to wet; avoid run-off. Check label for application targets and frequency.*
			2001	Naturalis® T&O	L	30–100 fl. oz.	4	At least 3–5 applications are necessary. <b>Wait 48 hours before applying fungicides.</b>
	Botanical	Azadirachtin	2004	Azatin® EC	EC	10–16 fl. oz.	12	Acts as an insect growth regulator. Do not exceed 21 fl. oz./acre. Also labeled for low volume use. <b>For use on brachyscome, daisies, impatiens, petunias, portulaca, snapdragons and verbena only.</b>
			2004	Ornazin® 3%EC	EC	8–10 fl. oz.	12	Acts as insect growth regulator. Do not exceed 22.5 oz/acre/application.
		Neem Oil	2004	Triact® 70	90 EC	1–2 gal.	4	*
		Nicotine	2004	Fulex Nicotine	Fumigator	12 oz./20,000 ft. <sup>3</sup>	4–24	<b>Foliage and blooms must be dry at the time of application.</b>
		Pyrethrum	2001	Pyrethrum TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	
	Carbamate	Fenoxycarb	2001	Precision™ Accu-Pak	WSP	2–4 oz.	12	Acts as an insect growth regulator. Also labeled for low volume application. Do not exceed 30 applications/year.
			2004	Preclude® TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	12	Acts as an insect growth regulator. Initially, make 2 applications, 1 week apart. Thereafter, treat weekly as necessary.
	Chlorinated Hydrocarbon	Endosulfan	2004	Thiodan® 3EC	EC	21.3 fl. oz.	24	Do not exceed a maximum of 4 qt./acre/year.*
			2004	Thiodan® 50WP	WP	16 oz.	24	Do not exceed a maximum of 6 lbs./acre/year.*
			2004	Fulex Thiodan®	Smoke	6 oz./10,000 ft. <sup>3</sup>	24	<b>Foliage and blooms must be dry at the time of application.</b>
		Oxythioquinox	2004	Joust™	4 L	4–8 fl. oz.	24	<b>For outdoor use only. Do not add adjuvants or oils.*</b>
			Horticultural Oils	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.
	2001	Target			L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	2001	Ultra-Fine® Oil			L	1–2 gal.	4	<b>Check label for tank mix restrictions.*</b>
	Insect Growth Regulator	Buprofezin	2004	Tallus	WSP	4 oz.	12	Do not exceed 2 applications/crop/season. Also labeled for low volume use.*
			Diflubenzuron	2004	Adept®	WSB	4–8 oz.	12
		2004		Dimilin®	SC	2–4 fl. oz.	12	Whitefly suppression.
		Kinoprene	2004	Enstar® II	5 E	5 fl. oz.	4	Also labeled for low volume use. <b>See label for tank mix restrictions.</b>
		Novaluron	2006	Pedestal™	SC	6–8 fl. oz.	12	Foliar spray at 30 day intervals. Rotate with at least two chemicals between applications. Do not apply more than twice per year or 52 fl.oz./acre/year.*
		Pyriproxyfen	2003	Distance®	EC	6–8 fl. oz.	12	Apply no more than 2 applications/crop or 6 months.*
	Insecticidal Soap	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Do not make more than 3 consecutive applications or repeat at less than 7 day intervals. <b>Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. See label for tank mix restrictions.*</b>
	Macrocyyclic Lactone	Abamectin	2005	Abamectin 0.15EC	EC	8 fl. oz.	12	Foliar spray at 7 day intervals.*
			2003	Avid®	0.15 EC	8–16 fl. oz./acre	12	Labeled for control of spider mites and leafminers.*
	Neonicotinoid	Acetamiprid	2004	Tristar 70	WSP	2–4 packets	24	Do not exceed 5 applications/crop/season or 22 packets. Apply no sooner than 7 day intervals.
Dinotefuran		2005	Safari™	SG	4–8 oz.	12	Foliar Spray at 14–21 day intervals. Also labeled as a drench at 12–24 oz./100 gal. using 4 fl.oz/6" pot.	
Fonicamid		2004	Aria™	WDG	4–6 packets	12	Foliar spray at 7–28 day intervals. Suppression only – use as part of sound rotation with other chemical classes.	
Imidacloprid		2004	Marathon®	1% G	See label.	12		
		60 WP	See label.	12	Apply to soil only.			
2004		Marathon II®	SC	1.7 fl. oz.	12	Apply coarse droplets as a foliar spray. Do not apply following a soil application in the same crop.		
Thiamethoxam	2003	Flagship	WG	2–4 oz.	12	Apply at not less than 7 day intervals. Also labeled for broadcast applications. Do not exceed 8 oz./crop/season. Test for phytotoxicity. <b>For use through microirrigation.</b>		



# THE FLOWER FIELDS FEDERAL INSECT AND MITE CONTROL CHART – PAGE 14

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PEST	CLASS	COMMON NAME	LABEL LAST UPDATED	PRODUCT NAME	FORMULA	DOSE/100 GAL.	REI HR.	COMMENTS
Whiteflies Continued	Organophosphate	Acephate	2001	Address™ T/O	S, WSP	10.5 oz.	24	For use on daisies only. See label for mixing/application details.*
			2003	Orthene® Turf, Tree & Ornamental Spray	WSP	10.5 oz.	24	For use on daisies only.*
			2003	Orthene® Turf, Tree & Ornamental Spray 97	S	8 oz.	24	For use on daisies only.*
			2004	1300 Orthene® TR	Aerosol	6 oz./2,550–4,500 ft. <sup>2</sup>	24	For use on impatiens, petunias, snapdragons and verbena only.
		Chlorpyrifos	2004	Dursban™	50 W	8–16 oz.	24	Not labeled for greenhouse use.*
		Diazinon	2001	Diazinon AG500	ES	16 fl. oz.	12	For use on petunias only. Not labeled for greenhouse use.*
		Dichlorvos	2004	Fulex DDVP	Fumigator	10.2 oz./ 20,000 ft. <sup>3</sup>	4–24	Foliage and blooms must be dry at the time of application.
		Malathion	2001	Malathion 5EC	EC	24 fl. oz.	12	Check for phytotoxicity.*
			2001	Malathion 8	EC & F	16 fl. oz.	12	Not labeled for greenhouse use.
		Naled	2001	Dibrom®	8 E	1 fl. oz./10,000 ft. <sup>3</sup>	24	Check for phytotoxicity.*
	2001		GH-18	Fog	1 fl. oz./3,000 ft. <sup>3</sup>	24	For use on snapdragons only.	
	Sulfotep	2004	Fulex Dithio	Smoke	7 oz./20,000 ft. <sup>3</sup>	12–48	For use on snapdragons only. Foliage and blooms must be dry at the time of application.	
	Organophosphate plus Pyrethroid	Chlorpyrifos plus Cyfluthrin	2004	Duraplex™ TR	Aerosol	2 oz./1,500–3,000 ft. <sup>2</sup>	24	
	Pyrethroid	Bifenthrin	2004	Attain® TR	Aerosol	1 lb/1,500–3,000 ft. <sup>2</sup>	12	
			2004	Talstar® Flowable	F	8–40 fl. oz.	12	*
			2004	Talstar® Nursery Flowable	F	10–40 fl. oz./A	12	Do not apply more than 0.2 lb. AI/acre/year for outdoor applications. Also labeled for low volume use.*
		Cyfluthrin	2004	Decathlon™	20 WP	1.9 oz.	12	Also labeled for low volume use.*
		Fenpropathrin	2003	Tame®	2.4 EC	5 ½–16 fl. oz.	24	Rate depends on species of whitefly. Also labeled as a tank mix with Orthene. Do not exceed 16 fl. oz./acre/application.*
		Fluvalinate	2004	Mavrik Aquaflo®	F	4–10 fl. oz.	12	Also labeled for low volume use.*
		Lambda-cyhalothrin	2002	Scimitar®	GC	3–5 fl. oz.	24	Supplemental label for greenhouse and nursery use. Apply at 7 day intervals. Do not apply more than 52.4 fl. oz. of concentrate/ acre/year. Do not mix with EC formulations or oils.*
		Permethrin	2004	Astro®	3.2 L	4–8 fl. oz.	12	Do not apply more than 2 lb. AI/acre/year. Not for use in nurseries.
	Resmethrin	2001	GH-60	Fog	1 fl. oz./1,000 ft. <sup>3</sup>	24	For use on coleus and snapdragons only.	
	Pyridazinone	Pyridaben	2001	Sanmite®	75 WP	4–6 oz.	12	Rotate with at least 2 other products before another application of Sanmite. Do not exceed 10.67 oz./acre/application.*
	Pyridine Azomethine	Pymetrozine	2003	Endeavor	WDG	2.5–5 oz., up to 10 oz./acre	12	Foliar spray at 7–14 day intervals. For outdoor use, do not apply more than 48 oz./acre/year or 100 oz. for indoor use.
	Tetronic acids	Spiromesifen	2005	Judo™	FL	2–4 fl. oz.	12	Foliar spray at 4–10 day intervals. Do not use on impatiens.