

where color grows.™

The Flower Fields

Federal Disease Control Chart – Page 1

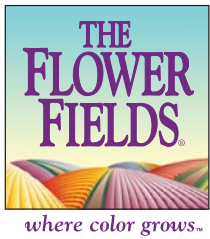
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AI	Active Ingredient	T&O, T/O or T/N/O	Turf & Ornamental
DF	Dry Flowable	W or WP	Wettable Powder
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F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Bacterial leaf spot	Copper Complex	2001	Phyton®27	21.36%	15–35 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rate varies by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.	
	Copper Hydroxide	2001	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7–14 day intervals.	
				Nu-Cop®	50 DF	16 oz.	24	Foliar spray at 7–14 day intervals.
					3 L	21.3 fl. oz.	24	Foliar spray at 7–14 day intervals.
				50 WP	16 oz.	48	Foliar spray at 7–14 day intervals.	
		Hydrogen Dioxide	2004	ZeroTol™	27% L	50–125 fl. oz.	-	Foliar spray. At first sign of disease spray daily at the high rate for 3 consecutive days and then resume weekly preventative treatment at the low rate. Use low rate after first color.
Bacterial soft rot <i>Erwinia carotovora</i>	Copper Complex	2001	Phyton®27	21.36%	15–30 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rate varies by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.	
	Copper Hydroxide	2001	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7–14 day intervals.	
				Nu-Cop®	50 DF	16 oz.	24	Foliar spray at 7–14 day intervals.
					3 L	21.3 fl. oz.	24	Foliar spray at 7–14 day intervals.
				50 WP	16 oz.	48	Foliar spray at 7–14 day intervals.	
		Hydrogen Dioxide	2004	ZeroTol™	27% L	128 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.
Botrytis blight/ <i>Botrytis cinerea</i>	Azoxystrobin	2001	Heritage®	WDG	2–4 oz.	4	Foliar spray at 7–21 day intervals. Do not exceed 600 gallons/acre/application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Do not use with silicone based products.	
	Chlorothalonil	2001	ChloroStar®	FL	32 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies and petunias only.	
				SD	24 oz.	48	Foliar spray at 7–14 day intervals. For use on daisies and petunias only.	
		2001	Daconil Ultrex® Turf Care®	WDG	22.4 oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.	
		2001	Daconil Weather Stik® Turf Care®	F	22 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.	
		2001	Daconil Zn® Turf Care®	F	32 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.	
		2001	Exotherm Termil®	Fumigator	3.5 oz./1,000 ft.²	48	Thermal dust. Do not apply when greenhouse temperatures are above 75° F (24° C). Apply to foliage of coleus, impatiens and petunias, foliage and blooms of snapdragons and verbenas.	
	Chlorothalonil plus	2001	ConSyst™ Thiophanate-methyl	WDG	12–16 oz.	48	Foliar spray at 7–10 day intervals.*	
				Spectro™	90 WDG	16–32 oz.	48	Foliar spray at 7–21 day intervals. See label for tank mix restrictions.
	Copper Complex	2001	Phyton® 27	21.36%	13–20 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rates vary by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.	
	Copper Hydroxide	2001	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7–14 day intervals.	
				Nu-Cop®	50 DF	16 oz.	24	Foliar spray at 7–14 day intervals.
					3 L	21.3 fl. oz.	24	Foliar spray at 7–14 day intervals.
				50 WP	16 oz.	48	Foliar spray at 7–14 day intervals.	



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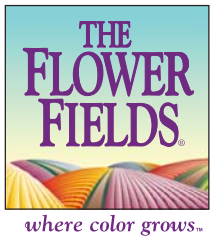
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Botrytis blight/ <i>Botrytis cinerea</i> Continued	dimethomorph/Mancozeb	2004	Stature	WP	1.75 lbs.	24	Full coverage spray at 7–14 day intervals. Do not exceed 2.25 lbs./acre/application and no more than 11.25 total lbs./acre/season.	
	Fenhexamid	2004	Decree™	50 WDG	12–24 oz.	12	Foliar spray at 7–14 day intervals. Avoid making more than 2 consecutive applications of Decree. Do not apply more than 6 lb./acre/season (outdoor) or crop (greenhouse). Also labeled for low volume but not thermal fogger application.*	
	Ferbam	2001	Ferbam Granuflo®	76 WDG	16–24 oz.	24	Foliar spray at 7–10 day intervals. Not labeled for greenhouse use. For use on snapdragons and verbena only.	
	Fludioxonil	2001	Medallion®	50 WP	2–4 oz.	12	Foliar spray at 7–14 day intervals. Use up to 40 lb. AI/acre/year or crop cycle. Use with oils or adjuvants may cause phytotoxicity.	
	Hydrogen Dioxide	2004	ZeroTol™	27% L	50–125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for 3 consecutive days and then resume weekly preventative treatment at the low rate. Use 1:2500 through mist propagation.	
	Iprodione		2004	Chipco® 26019	50 WP	16–40 oz.	12	Foliar spray at 7–14 day intervals. Do not exceed 2.5 lb. product/acre/application or 4 applications/crop/year.
			2004	Sextant		32–80 fl. oz./acre	12	Foliar spray at 7–14 day intervals. Do not exceed 4 foliar applications/crop/year.
	Mancozeb (Fore Flo XL is no longer manufactured)		2001	Dithane® T&O	WF	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals.
				Rain Shield™	WP	24 oz.	24	Foliar spray at 7–10 day intervals.
			2001	Fore® T&O	WSP & WP	24 oz.	24	Foliar spray at 7–10 day intervals.*
				Pentathon®	DF	16–32 oz.	24	Foliar spray at 7–10 day intervals.
					FL	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals. For use on snapdragons only.
	2001	Protect™ T/O	WSB	16–32 oz.	24	Foliar spray at 7–21 day intervals.		
	Mancozeb & Copper Hydroxide	2001	Junction	DF	24–56 oz./acre	24	Foliar spray at 7–14 day intervals. Labeled for control of <i>Botrytis</i> on other crops. Do not mix with diazinon or thiophanate-methyl.	
	Neem Oil	2004	Triact® 70	EC	64–128 fl. oz.	4	Foliar spray at 7–14 day intervals. Do not spray on impatiens blooms.*	
	Potassium Bicarbonate	2001	FirstStep™	WP	40–80 oz./acre	4	Foliar spray at 7–14 day intervals. For use on coleus, impatiens, snapdragon and verbena only. Do not mix with other pesticides or spray adjuvants.*	
	<i>Streptomyces griseoviridis</i>	2004	Mycostop®	WP, Mix	1.4 oz.	4	Must be used on a preventative basis. Do not mix with other pesticides or concentrated fertilizers.	
	Sulfur		2001	Sulfa	F	32–160 fl. oz.	24	Foliar spray at 5–14 day intervals. For use on daisies, petunias, snapdragons and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.
			2001	Sulfur 90W	W	32–128 fl. oz.	24	Foliar spray at 5–14 day intervals. For use on daisies, petunias, snapdragons and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.
	Thiophanate-methyl		2001	3336	F	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
					50 WP	12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		2001	Fungo®	50 WSB	16 oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
		2001	Fungo® Flo	F	10 fl. oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
2004		OHP6672	4.5	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.		
			50 WP	12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.		
2001		SysTec 1998™	F	10 fl. oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.		
	WDG		6.4 oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.			



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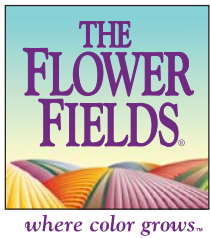
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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Botrytis blight/ <i>Botrytis cinerea</i> <i>Continued</i>	Thiophanate-methyl plus Flutolanil	2001	SysStar®	WDG	4-8 oz.	12	Make no more than 4 applications/year.*	
	Thiophanate-methyl plus Mancozeb	2001	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals. For use on impatiens, petunias, snapdragons and verbena only.*	
	<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	2001		WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
		RootShield® Drench	2001		WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
		TopShield™ Foliar Spray and Drench	2001		WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
	Triflumizole	2004	Terraguard®	50 W	4-8 oz.	12	Foliar spray at weekly intervals as needed.	
	Trifloxystrobin	2004	Compass™	WDG	2-4 oz., up to 8 oz/acre	12	Foliar spray at 7-14 day intervals. Make no more than 4 foliar applications per crop cycle or season. Use up to 120 oz. of Compass/acre/crop cycle or year in greenhouses or 34.5 oz. outdoors. May cause injury to New Guinea Impatiens and petunias. Do not use with organosilicate products.*	
	Vinclozolin	Curalan®	2001		EG	8-16 oz.	12	Foliar spray at 10-14 day intervals. Apply no more than 8 lbs./acre/season. Also labeled for thermal fogger use.*
		Vorlan®	2001		DF, EG	8-16 oz.	12	Foliar spray at 10-14 day intervals. Apply no more than 8 lbs./acre/year. Also labeled for thermal fogger use.*
Ziram	Ziram 76 DF	2001		DF	24-32 oz.	48	Foliar spray at 7-10 day intervals. Not for greenhouse use. For use on snapdragons only.*	
	Ziram Granuflor®	2001		76 WDG	24-32 oz.	48	Foliar spray at 7-10 day intervals. Not for greenhouse use. For use on snapdragons only.	
Downy Mildew	Azoxystrobin	2001	Heritage®	WDG	1-2 oz.	4	Foliar spray at 7-14 day intervals. Do not apply 2 oz. rate on less than 14 day interval. Do not exceed 600 gallons/acre/application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Do not use with silicone based products.	
	Chlorothalonil plus Thiophanate-methyl	2001	ConSyst™	WDG	12-16 oz.	48	Foliar spray at 7-10 day intervals.*	
	Copper Complex	2001	Phyton®27	21.36%	13-25 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rate varies by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.	
	Copper Hydroxide	Kocide® 2000 T/N/O	2001		DF	12 oz.	24	Foliar spray at 7-14 day intervals.
			2001	Nu-Cop®	50 DF	16 oz.	24	Foliar spray at 7-14 day intervals.
					3 L	21.3 fl. oz.	24	Foliar spray at 7-14 day intervals.
			50 WP	16 oz.	48	Foliar spray at 7-14 day intervals.		
	dimethomorph/Mancozeb	2004	<i>Stature</i>	WP	1.75 lbs.	24	Full coverage spray at 7-14 day intervals. Do not exceed 2.25 lbs./acre/application and no more than 11.25 total lbs./acre/season.	
	Fosetyl-Al	2001	Chipco® Aliette®	80 WDG	20-64 oz.	12	Spray to wet using a maximum of 400 gal./acre. Do not use more than once every 14 days. Do not mix with a sticker, wetting agent, copper based materials or flowable formulations of Daconil 2787 or Fore.	
	Hydrogen Dioxide	2001	ZeroTol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease spray daily at the high rate for 3 consecutive days and then resume weekly preventative treatment at the low rate.	
	Mancozeb (Fore Flo XL is no longer manufactured)	2001	Dithane® T&O Rain Shield™	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals.	
WP				24 oz.	24	Foliar spray at 7-10 day intervals.		
2001		Fore® T&O Rain Shield™	WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals.*		
2001		Pentathon®	DF	16-32 oz.	24	Foliar spray at 7-10 day intervals.		
			FL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. For use on snapdragons only.		
2001	Protect™ T/O	WSB	16-32 oz.	24	Foliar spray at 7-21 day intervals.			



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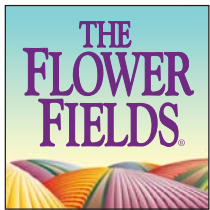
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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Downy Mildew <i>Continued</i>	Neem Oil	2004	Triact® 70	EC	64–128 fl. oz.	4	Foliar spray at 7–14 day intervals. Do not spray on impatiens blooms.*
	Trifloxystrobin	2004	Compass™	WDG	1–2 oz., up to 8 oz./acre	12	Foliar spray at 7–14 day intervals. Make no more than 4 foliar applications per crop cycle or season. Use up to 120 oz. of Compass/acre/crop cycle or year in greenhouses or 34.5 oz. outdoors. May cause injury to New Guinea Impatiens and petunias. Do not use with organosilicate products.*
Fusarium stem rot/ <i>Fusarium</i> spp.	Azoxystrobin	2001	Heritage®	WDG	1–4 oz. spray or 0.2–0.9 oz. drench	4	Foliar spray at 7–21 day intervals. Do not exceed 600 gallons/acre for foliar application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Drench at 1–2 pints of solution/ft. ² surface area on a 7–28 day interval. Make no more than 3 sequential drench applications before alternating with a fungicide of a different mode of action. Do not use with silicone based products.
	<i>Bacillus subtilis</i> GB03	2001	Companion®	L	16 fl. oz.	0	Can be applied at 14 day intervals. Experimental Use Permit only. See label for mixing and restrictions.
	Chlorothalonil plus Thiophanate-methyl	2001	Spectro™	90 WDG	16–32 oz.	48	Foliar spray at 7–21 day intervals. See label for tank mix restrictions.
	dimethomorph/Mancozeb	2004	<i>Stature</i>	WP	1.75 lbs.	24	Full coverage spray at 7–14 day intervals. Do not exceed 2.25 lbs./acre/application and no more than 11.25 total lbs./acre/season.
	Etridiazole plus Thiophanate-methyl	2001	Banrot®	8 G	8 oz./yd. ³ of soil	12	Incorporate into potting mix. For use on coleus, impatiens, petunias, snapdragons and verbena only.
				40 WP	4–8 oz.	12	Drench at 4–8 week intervals. For use on impatiens, petunias, snapdragons and verbena only.
	Fludioxonil	2001	Medallion®	50 WP	1–2 oz. drench or spray	12	Drench at 3–4 week intervals. Use up to 40 lb. AI/acre/year or crop cycle. Only use as a spray on impatiens.
	Hydrogen Dioxide	2004	ZeroTol™	27% L	128 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.
	Mancozeb <i>(Fore Flo XL is no longer manufactured)</i>	2001	Dithane® T&O Rain Shield™	WF	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals.
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		2001	Fore® T&O Rain Shield™	WP & WSP	24 oz.	24	Foliar spray at 7–10 day intervals.*
				DF	16–32 oz.	24	Foliar spray at 7–10 day intervals.
	2001	Protect™ T/O	FL	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals. For use on snapdragons only.	
			WSB	16–32 oz.	24	Foliar spray at 7–21 day intervals. Labeled for control of <i>Fusarium</i> leaf spot and blight.	
<i>Streptomyces griseoviridis</i>	2004	Mycostop®	WP, Mix	0.035–0.07 oz./100 ft. ²	4	Must be used on a preventative basis. Apply enough water to get Mycostop into root zone. Do not mix with other pesticides or concentrated fertilizers.	
Thiophanate-methyl	2001	3336	F	8–16 fl. oz.	12	Drench at 3–4 week intervals. For drench applications, do not exceed 300 lbs. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
			G	2–3 lb./yd. ³ or 22–30 lbs./1,000 ft. ²	12	Repeat at 3–4 week intervals.	
			50 WP	8–16 oz.	12	Drench at 3–4 week intervals. For drench applications, do not exceed 300 lbs. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
	2001	Fungo®	50 WSB	8–16 oz.	12	Drench at 4–8 week intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
	2001	Fungo® Flo	F	20 fl. oz.	12	Drench at 2–4 week intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	



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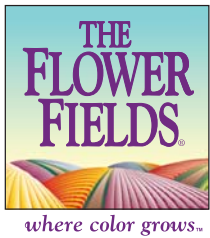
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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Fusarium stem rot/ <i>Fusarium</i> spp. Continued	<i>Trichoderma hazianum</i> KRL-AG2	2004	OHP6672	4.5	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
				50 WP	12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
		2001	SysTec 1998™	F	20 fl. oz.	12	Drench at 2–4 week intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
				WDG	12.8 oz.	12	Drench at 2–4 week intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
		2001	PlantShield™ Foliar Spray and Drench	WP	6–12 oz.	-	Constant agitation of solution recommended.	
		2001	RootShield®	G	1–1.5 lb./yd. ³	-	Incorporate into potting mix.	
	Leaf Spot/ <i>Myrothecium oridum</i>	Chlorothalonil	2001	Daconil Ultrex® Turf Care®	WDG	22.4 oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of powdery mildew on other crops. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
			2001	Daconil Weather Stik® Turf Care®	F	22 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
		Chlorothalonil plus Thiophanate-methyl	2001	Daconil Zn® Turf Care®	F	32 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
			2001	PathGuard®	6F	22 fl. oz.	12	Foliar spray at 7–10 day intervals. Labeled for <i>Phytophthora</i> leaf blight. For use on daisies and petunias only. Avoid applications during bloom period on plants where flower injury is unacceptable.
			90 DF	12.8 oz.	12	Foliar spray at 7–10 day intervals. Labeled for <i>Phytophthora</i> leaf blight. For use on daisies and petunias only. Avoid applications during bloom period on plants where flower injury is unacceptable.		
2001		Spectro™	90 WDG	16–32 oz.	48	Foliar spray at 7–21 day intervals. See label for tank mix restrictions.		
2004		Stature	WP	1.75 lbs.	24	Full coverage spray at 7–14 day intervals. Do not exceed 2.25 lbs./acre/application and no more than 11.25 total lbs./acre/season.		
2001		Medallion®	50 WP	1–2 oz.	12	Foliar spray at 7–14 day intervals. Use up to 40 lb. AI/acre/year or crop cycle. Use with oils or adjuvants may cause phytotoxicity.		
2001		ZeroTol™	27% L	50–125 fl. oz.	-	Foliar spray. At first sign of disease spray daily at the high rate for 3 consecutive days and then resume weekly preventative treatment at the low rate.		
Mancozeb (Fore Flo XL is no longer manufactured)		2001	Dithane® T&O Rain Shield™	WF	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals.	
	2001	Fore® T&O Rain Shield™	WP & WSP	24 oz.	24	Foliar spray at 7–10 day intervals.*		
2004	Triact® 70	EC	64–128 fl. oz.	4	Foliar spray at 7–14 day intervals. Do not spray on impatiens blooms.*			



The Flower Fields

Federal Disease Control Chart – Page 6

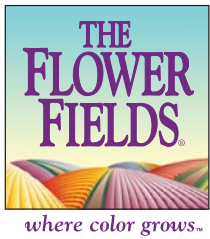
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AI	Active Ingredient	T&O, T/O or T/N/O	Turf & Ornamental
DF	Dry Flowable	W or WP	Wettable Powder
E or EC	Emulsifiable Concentrate	WDG, EG or WG	Water Dispersible Granules
F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Leaf Spot <i>Myrothecium roridum</i> Continued	<i>Trichoderma hazianum</i> KRL-AG2	2001	PlantShield™ Foliar Spray and Drench	WP	50–100 oz.	-	Foliar spray at 7–14 day intervals. Constant agitation of solution recommended.	
		2001	RootShield® Drench	WP	50–100 oz.	-	Foliar spray at 7–14 day intervals. Constant agitation of solution recommended.	
		2001	TopShield™ Foliar Spray and Drench	WP	50–100 oz.	-	Foliar spray at 7–14 day intervals. Constant agitation of solution recommended.	
		Trifloxystrobin	2004	Compass™	WDG	1–2 oz., up to 8 oz./acre	12	Foliar spray at 7–14 day intervals. Make no more than 4 foliar applications per crop cycle or season. Use up to 120 oz. of Compass/acre/crop cycle or year in greenhouses or 34.5 oz. outdoors. May cause injury to New Guinea Impatiens and petunias. Do not use with organosilicate products.*
		Thiophanate-methyl	2001	3336	F	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
	50 WP				12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
	Triflumizole	2004	Terraguard®	50 W	4–8 oz.	12	Foliar spray at weekly intervals. Do not use on impatiens plugs. On impatiens transplants, do not exceed 2 oz./100 gal.	
Powdery Mildew	<i>Ampelomyces quisqualis</i>	2001	AQ10® Biofungicide	WP	1 oz.	4	Must be used on a preventative basis. Use AQ10 in at least 2 sequential sprays. Do not mix with sulfur, dithiocarbamates, potassium salts of fatty acids and strobilurins.	
	Azoxystrobin	2001	Heritage®	WDG	1–4 oz.	4	Foliar spray at 7–28 day intervals. Preventative applications only. Do not make more than 2 sequential applications before rotating to another class of fungicide. Do not exceed 600 gallons/acre/application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Do not use with silicone based products.	
	Chlorothalonil	2001	ChloroStar®	FL	32 fl. oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of powdery mildew on other crops. For use on daisies and petunias only.	
				SD	24 oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of powdery mildew on other crops. For use on daisies and petunias only.	
			2001	Daconil Ultrex® Turf Care®	WDG	22.4 oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of powdery mildew on other crops. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
			2001	Daconil Weather Stik® Turf Care®	F	22 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
			2001	Daconil Zn® Turf Care®	F	32 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
		Chlorothalonil plus Thiophanate-methyl	2001	ConSyst™	WDG	12–16 oz.	48	Foliar spray at 7–10 day intervals.*
			2001	Spectro™	90 WDG	16–32 oz.	48	Foliar spray at 7–21 day intervals. See label for tank mix restrictions.
		Cinnamaldehyde	2001	Cinnamite	EC	64–100 fl. oz.	4	Foliar as needed. After 2 applications, rotate to an alternative chemistry for at least 2 applications. Do not apply to stressed plants or newly transplanted material prior to root establishment.*
		Copper Complex	2001	Phyton®27	21.36%	13–30 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rate varies by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.
		Copper Hydroxide	2001	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7–14 day intervals.
	50 DF				16 oz.	24	Foliar spray at 7–14 day intervals.	
3 L	21.3 fl. oz.				24	Foliar spray at 7–14 day intervals.		
				50 WP	16 oz.	48	Foliar spray at 7–14 day intervals.	



The Flower Fields

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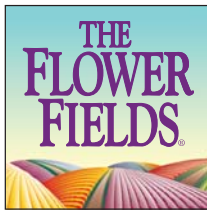
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AI	Active Ingredient	T&O, T/O or T/N/O	Turf & Ornamental
DF	Dry Flowable	W or WP	Wettable Powder
E or EC	Emulsifiable Concentrate	WDG, EG or WG	Water Dispersible Granules
F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Powdery Mildew <i>Continued</i>	Fenarimol	2001	Rubigan™	EC	3–10 fl. oz.	12	Labeled for field and container grown ornamentals.*
	Fenhexamid	2004	Decree™	50 WDG	12–24 oz.	12	Foliar spray at 7–14 day intervals. Avoid making more than 2 consecutive applications of Decree. Do not apply more than 6 lbs./acre/season (outdoor) or crop (greenhouse). Also labeled for low volume but not thermal fogger application.*
	Horticultural Oils	2001	Saf-T-Side™	L	1–2 gal.	4	Apply as a spray. Check label for tank mix restrictions.*
		2001	Ultra-Fine® Oil	L	1 gal.	4	Foliar spray every 2–4 weeks. Check label for tank mix restrictions.*
	Hydrogen Dioxide	2001	ZeroTol™	27% L	50–125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for 3 consecutive days and then resume weekly preventative treatment at the low rate.
	Insecticidal Soap	2001	M-Pede®	L	1–2 gal.	12	Foliar spray at 7–10 day intervals. Avoid more than 3 consecutive applications. Test for phytotoxicity. Do not add adjuvants or spray to new transplants or unrooted cuttings. Check label for tank mix restrictions.*
	Kresoxim-methyl	2001	Cygnus®	WG	1.6–3.2 oz.	12	Foliar spray at 7–10 day intervals. Do not make more than 6 applications/season.*
	Mancozeb & Copper Hydroxide	2001	Junction	DF	24–56 oz./acre	24	Foliar spray at 7–14 day intervals. Labeled for control of powdery mildew on other crops. Do not mix with diazinon or thiophanate-methyl.
	Myclobutanil	2001	Eagle®	WSP	3–6 oz.	24	Foliar spray at 10–14 day intervals. Apply no more than 10 oz./acre/application and 5 lbs./acre/year. For outdoor use only.
		2001	Systane®	WSP	4 oz.	24	Foliar spray at 10–14 day intervals. Apply no more than 6 oz./acre/application and 5 lbs./acre/year.
	Neem Oil	2004	Triact® 70	EC	64–128 fl. oz.	4	Foliar spray at 7–14 day intervals. Do not spray on impatiens blooms.*
	Piperalin	2004	Pipron™	LC	4–8 fl. oz.	12	(Do not need to check for phytotoxicity).*
	Potassium Bicarbonate	2001	FirstStep™	WP	40–80 oz./acre	4	Foliar spray at 7–14 day intervals. For use on coleus, impatiens, snapdragons and verbena only. Do not mix with other pesticides or spray adjuvants.*
		2001	Kaligreen®	WP	16–48 oz./100 gal./acre	4	Test for phytotoxicity. Do not tank mix with highly acidic products.*
	Propiconazole	2001	Banner® Maxx®	EC	5–12 fl. oz.	24	Labeled for field grown ornamentals.*
	Sulfur	2001	Kumulus®	DF	3–5 lb./acre	24	Foliar spray at 5–10 day intervals. For use on petunias only. Not labeled for greenhouse use. Do not apply with or within 21 days of an oil application.*
		2001	Microperse Wettable Sulfur	WG	43.2–72 oz.	24	Foliar spray at 10 day intervals. Not labeled for greenhouse use. Do not use within 2 weeks of an oil spray.*
		2001	Microthiol® Dispers™	MW	3–10 lb./acre	24	Injury may be enhanced under high temperatures. Do not use within 2 weeks of an oil spray.
		2001	Microthiol® Special	MW	3–10 lb./acre	24	Injury may be enhanced under high temperatures. Do not use within 2 weeks of an oil spray.
		2001	Sulfa	F	32–160 fl. oz.	24	Foliar spray at 5–14 day intervals. For use on daisies, petunias, snapdragons and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.
		2001	Sulfur 6 L	L	48–128 fl. oz.	24	Foliar spray at 5–10 day intervals. Not labeled for greenhouse use. Do not use within 2 weeks of an oil spray or EC application.
2001	Sulfur 90 W	W	32–128 fl. oz.	24	Foliar spray at 5–14 day intervals. For use on daisies, petunias, snapdragons and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.		



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The Flower Fields

Federal Disease Control Chart – Page 8

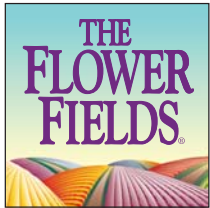
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F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Powdery Mildew <i>Continued</i>	Thiophanate-methyl	2001	3336	F	12–24 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar sprays, do not exceed 36 lbs. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
				50 WP	12–24 oz.	12	Foliar spray at 7–14 day intervals. For foliar sprays, do not exceed 36 lbs. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
			2001	Fungo®	50 WSB	8 oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
			2001	Fungo® Flo	F	10 fl. oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
			2004	OHP6672	4.5	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
					50 WP	12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
			2001	SysTec 1998™	F	10 fl. oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
					WDG	6.4 oz.	12	Foliar spray at 10–14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		Thiophanate-methyl plus Flutolanil	2001	SysStar®	WDG	4–8 oz.	12	Make no more than 4 applications/year.*
		Thiophanate-methyl plus Mancozeb	2001	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals. Labeled for control of powdery mildew on other crops. For use on impatiens, petunias, snapdragons, verbena and vinca only.*
		Triadimefon	2004	Strike®	50 WDG	1–2 oz.	1–2	Foliar spray on daisies, petunias and snapdragons only.*
		<i>Trichoderma hazianum</i> KRL-AG2	2001	PlantShield™ Foliar Spray and Drench	WP	50–100 oz.	-	Foliar spray at 7–14 day intervals. Constant agitation of solution recommended.
			2001	RootShield® Drench	WP	50–100 oz.	-	Foliar spray at 7–14 day intervals. Constant agitation of solution recommended.
			2001	TopShield™ Foliar Spray and Drench	WP	50–100 oz.	-	Foliar spray at 7–14 day intervals. Constant agitation of solution recommended.
		Triflumizole	2004	Terraguard®	50 W	4–8 oz.	12	Foliar spray at weekly intervals. Do not use on impatiens plugs. On impatiens transplants, do not exceed 2 oz./100 gal.
	Trifloxystrobin	2004	Compass™	WDG	1–2 oz., up to 8 oz./acre	12	Foliar spray at 7–14 day intervals. Make no more than 4 foliar applications per crop cycle or season. Use up to 120 oz. of Compass/acre/crop cycle or year in greenhouses or 34.5 oz. outdoors. May cause injury to New Guinea Impatiens and petunias. Do not use with organosilicate products.*	
	Ziram	2001	Ziram 76 DF	DF	24–32 oz.	48	Foliar spray at 7–10 day intervals. For use on snapdragons only. Not for greenhouse use.*	
Pythium root & stem rot/ Pythium spp. & Phytophthora root & stem rot/ Phytophthora spp.	Azoxystrobin	2001	Heritage®	WDG	1–2 oz.	4	Foliar spray at 7–28 day intervals. Do not exceed 600 gallons/acre/application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Do not use with silicone based products.	
	<i>Bacillus subtilis</i> GB03	2001	Companion®	L	16 fl. oz.	0	Can be applied at 14 day intervals. Experimental Use Permit only. See label for mixing and restrictions.	
	Chlorothalonil	2001	ChloroStar®	FL	32 fl. oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> blight. For use on daisies and petunias only.	
				SD	24 oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> blight. For use on daisies and petunias only.	
		2001	Daconil Ultrex® Turf Care®	WDG	22.4 oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> dieback. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreading stickers. Check for phytotoxicity to blooms.	



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The Flower Fields

Federal Disease Control Chart – Page 9

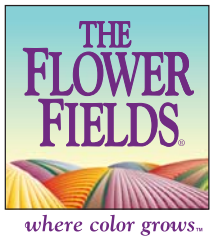
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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Pythium root & stem rot/ <i>Pythium</i> spp. & Phytophthora root & stem rot/ <i>Phytophthora</i> spp. Continued	Chlorothalonil Continued	2001	Daconil Weather Stick® Turf Care®	F	22 fl. oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> dieback. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreading stickers. Check for phytotoxicity to blooms.	
		2001	Daconil Zn® Turf Care®	F	32 fl. oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> dieback. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreading stickers. Check for phytotoxicity to blooms.	
		2001	PathGuard®	6F	22 fl. oz.	12	Foliar spray at 7–10 day intervals. Labeled for <i>Phytophthora</i> leaf blight. For use on petunias only. Avoid applications during bloom period on plants where flower injury is unacceptable.	
	90 DF			12.8 oz.	12	Foliar spray at 7–10 day intervals. Labeled for <i>Phytophthora</i> leaf blight. For use on petunias only. Avoid applications during bloom period on plants where flower injury is unacceptable.		
	Chlorothalonil plus Thiophanate-methyl	2001	Spectro™	90 WDG	16–32 oz.	48	Foliar spray at 7–21 day intervals. Labeled for control of <i>Phytophthora</i> blight. See label for tank mix restrictions.	
	Copper Complex	2001	Phyton® 27	21.36%	13–20 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rates vary by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.	
	Copper Hydroxide	2001	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> blight.	
				Nu-Cop®	50 DF	16 oz.	24	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> dieback.
					3 L	21.3 fl. oz.	24	Foliar spray at 7–14 day intervals. Labeled for control of <i>Phytophthora</i> dieback.
	Etridiazole	2004	Terrazole®	35 WP	3.5–10 oz.	12	Drench at 4–12 week intervals. Irrigate immediately after fungicide drench. Also labeled for application to dry potting mix.	
				Truban®	25 EC	3–4 fl. oz.	12	Drench at 4–8 week intervals. Irrigate immediately after fungicide drench. For use on coleus, petunias, snapdragons, verbena and vinca only. Do not mix with other pesticides or nutrients.
					5 G	5 oz./yd. ³ of soil	12	Incorporate into potting mix. For use on coleus, impatiens, petunias, portulaca, snapdragons, verbena and vinca only.
					30 WP	4–6 oz.	12	Drench at 4–8 week intervals. Irrigate immediately after fungicide drench. For use on impatiens, petunias, portulaca, snapdragons and verbena only.
	Etridiazole plus Thiophanate-methyl	2001	Banrot®	8 G	8 oz./yd. ³ of soil	12	Incorporate into potting mix. For use on coleus, impatiens, petunias, snapdragons and verbena only.	
				40 WP	4–8 oz.	12	Drench at 4–8 week intervals. For use on impatiens, petunias, snapdragons and verbena only.	
Fosetyl-Al	2001	Chipco® Aliette®	80 WDG	20–64 oz.	12	Spray to wet using a maximum of 400 gal./acre. Do not use more than once every 14 days. Do not mix with a sticker, wetting agent, copper based materials or flowable formulations of Daconil 2787 or Fore.		
<i>Gliocladium virens</i> GL	2004	SoilGard™	12 G	1–1.5 lb./yd. ³ of soil	0	Incorporate into potting mix and wait one day before transplanting. Do not incorporate with other soil fungicides.		
Hydrogen Dioxide	2004	ZeroTol™	27% L	128 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.		



The Flower Fields

Federal Disease Control Chart – Page 10

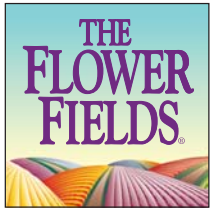
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E or EC	Emulsifiable Concentrate	WDG, EG or WG	Water Dispersible Granules
F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

-----Continued

DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Pythium root & stem rot/ <i>Pythium</i> spp. & Phytophthora root & stem rot/ <i>Phytophthora</i> spp. Continued	Mancozeb (Fore Flo XL is no longer manufactured)	2001	Dithane® T&O	WF	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals. Labeled for control of <i>Phytophthora</i> blight.
		2001	Rain Shield™	WP	24 oz.	24	Foliar spray at 7–10 day intervals. Labeled for control of <i>Phytophthora</i> blight.
		2001	Fore® T&O Rain Shield™	WP & WSP	24 oz.	24	Foliar spray at 7–10 day intervals. Labeled for control of <i>Phytophthora</i> .*
		2001	Pentathon®	FL	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals. For use on snapdragons only.
	Mancozeb & Copper Hydroxide	2001	Junction	DF	24–56 oz./acre	24	Foliar spray at 7–21 day intervals. Labeled for control of <i>Phytophthora</i> blight.
	Mefenoxam	2001	Quell™	EC	.13–.25 fl. oz. 0.25–1 fl. oz.	48 48	Repeat applications at 4–12 week intervals. Labeled for soil incorporation. Do not apply more than 0.75 fl.oz./100 gal every 6 wks. See label for more detailed application information. Drench at 4–12 week intervals. Do not apply 0.75–1 fl. oz. more than once every 6 weeks. Also labeled for media incorporation.
		2001	Subdue®	GR	12–60 oz./1,000 ft. ² or 1.6–8 oz./yd. ³ of soil	-	Repeat applications at 1–2 month intervals. Do not apply 37–60 oz./100 gal. more than once every 6 weeks.
				2X WSP	0.1–0.5 oz.	-	Drench at 1–2 month intervals. Do not apply rates of 0.4–0.5 oz./100 gal. more than once every 6 weeks.
		2001	Subdue® Maxx®	ME	0.5–1 fl. oz.	-	Drench at 1–2 month intervals. Do not apply 0.75–1 fl. oz./100 gal. more than once every 6 weeks.
	Propamocarb	2001	Banol®	66.5%	20 fl. oz.	12	Drench at 3–6 week intervals.*
	<i>Streptomyces griseoviridis</i>	2004	Mycostop®	WP, Mix	0.035–0.07 oz./100 ft. ²	4	Must be used on a preventative basis. Apply enough water to get Mycostop into the root zone. Do not mix with other pesticides or concentrated fertilizers.
	<i>Trichoderma hazianum</i> KRL-AG2	2001	PlantShield™ Foliar Spray and Drench	WP	6–12 oz.	-	Constant agitation of solution recommended. Protection against <i>Pythium</i> .
		2001	RootShield®	G	1–1.5 lb./yd. ³	-	Protection against <i>Pythium</i> .
		2001	RootShield® Drench	WP	6–12 oz.	-	Constant agitation of solution recommended. Protection against <i>Pythium</i> .
		2001	TopShield™ Foliar Spray and Drench	WP	6–12 oz.	-	Constant agitation of solution recommended. Protection against <i>Pythium</i> .
Phytophthora Crown Rot and stem blight (only)	dimethomorph/Mancozeb	2004	Stature		1.75 lbs.	24	Full coverage spray at 7–14 day intervals. Do not exceed 2.25 lbs./acre/application and no more than 11.25 total lbs./acre/season.
Rhizoctonia stem rot and web blight/ <i>Rhizoctonia solani</i>	Azoxystrobin	2001	Heritage®	WDG	1–4 oz. spray or 0.2–0.9 oz. drench	4	Foliar spray at 7–28 day intervals. Do not exceed 600 gallons/acre for foliar application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Drench at 1–2 pints of solution/ft. ² surface area on a 7–28 day interval. Make no more than 3 sequential drench applications before alternating with a fungicide of a different mode of action. Do not use with silicone based products.
	<i>Bacillus subtilis</i> GB03	2001	Companion®	L	16 fl. oz.	0	Can be applied at 14 day intervals. Experimental Use Permit only. See label for mixing and restrictions.



where color grows.

The Flower Fields

Federal Disease Control Chart – Page 11

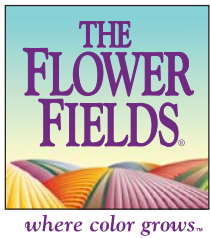
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GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Rhizoctonia stem rot and web blight/ <i>Rhizoctonia solani</i> Continued	Chlorothalonil	2001	ChloroStar®	FL	32 fl. oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops. For use on daisies and petunias only.	
			SD	24 oz.	48	Foliar spray at 7–14 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops. For use on daisies and petunias only.		
		2001	Daconil Ultrex® Turf Care®	WDG	22.4 oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.	
		2001	Daconil Weather Stik® Turf Care®	F	22 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.	
		2001	Daconil Zn® Turf Care®	F	32 fl. oz.	48	Foliar spray at 7–14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.	
		Chlorothalonil plus Thiophanate-methyl	2001	Spectro™	90 WDG	16–32 oz.	48	Foliar spray at 7–21 day intervals. See label for tank mix restrictions.
		Etridiazole plus Thiophanate-methyl	2001	Banrot®	8 G	8 oz./yd. ³ of soil	12	Incorporate into potting mix. For use on coleus, impatiens, petunias, snapdragons and verbena only.
	40 WP				4–8 oz.	12	Drench at 4–8 week intervals. For use on impatiens, petunias, snapdragons and verbena only.	
		Fludioxonil	2001	Medallion®	50 WP	1–2 oz. drench or spray	12	Drench at 3–4 week intervals. Use up to 40 lb./acre/year or crop cycle. Only use as a spray on impatiens.
		Flutolanil	2001	Contrast	70 WSP	3–6 oz.	12	Drench at 4 week intervals. Also labeled as spray for foliar <i>Rhizoctonia</i> . Make no more than 4 applications/year.
		<i>Gliocladium virens</i> GL	2004	SoilGard™	12 G	1–1.5 lb./yd. ³ of soil	0	Incorporate into potting mix and wait one day before transplanting. Do not incorporate with other soil fungicides.
		Hydrogen Dioxide	2004	ZeroTol™	27% L	128 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.
		Iprodione	2004	Sextant		13 fl. oz./100 gal. drench or 32–80 fl. oz./acre spray	12	Drench at 2 week intervals. Do not exceed a total of 35 fl. oz./1000 ft. ² /year or 6 applications/year as a drench. Do not exceed 4 foliar applications/crop/year. On impatiens, apply as a spray only.
			2004	Chipco® 26019	50 WP	6.5 oz. drench, 16–40 oz. spray	12	Drench at 2 week intervals. Do not exceed a total of 17.6 oz. product/1000 ft. ² /year or 6 applications/year as a drench. Do not exceed 2.5 lb. product/acre/application or 4 applications/crop/year as a spray. On impatiens, apply as a spray only.
		Mancozeb (Fore Flo XL is no longer manufactured)	2001	Dithane® T&O	WF	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals.
Rain Shield™	WP			24 oz.	24	Foliar spray at 7–10 day intervals.		
Fore®T&O Rain Shield™	2001		Pentathon®	WF	24 oz.	24	Foliar spray at 7–10 day intervals.*	
				DF	16–32 oz.	24	Foliar spray at 7–10 day intervals.	
			FL	38.4 fl. oz.	24	Foliar spray at 7–10 day intervals. For use on snapdragons only.		
	Myclobutanil	2001	Protect™ T/O	WSB	16–32 oz.	24	Foliar spray at 7–21 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight.	
2001		Eagle®	WSP	3–6 oz.	24	Foliar spray at 10–14 day intervals. Apply no more than 10 oz./acre/application and 5 lbs./acre/year. For outdoor use only.		
		2001	Systane®	WSP	4 oz.	24	Foliar spray at 10–14 day intervals. Apply no more than 6 oz./acre/application and 5 lbs./acre/year.	



The Flower Fields

Federal Disease Control Chart – Page 12

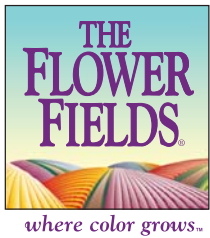
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E or EC	Emulsifiable Concentrate	WDG, EG or WG	Water Dispersible Granules
F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Rhizoctonia stem rot and web blight/ <i>Rhizoctonia solani</i> Continued	Quintozene (PCNB)	2001	Defend	10 G 75 WP	15 lb./1,000 ft. ² 4 oz.	12	Mix into top 2 inches of soil surface. Apply 26 lb./1,000 ft. ² for snapdragons. Apply at time of transplant. Preplant incorporation also labeled for snapdragons.*
		2004	Terraclor®	400 F 75 WP	6–12 fl. oz. 4–8 oz.	12	Apply at time of transplant. One repeat application can be made 4-6 weeks later. Apply at time of transplant. One repeat application can be made 4-6 weeks later.
		2004	Turficide®	10% G	1–1.5 lb./yd. ³	12	Mix thoroughly.
	<i>Streptomyces griseoviridis</i>	2004	Mycostop®	WP, Mix	0.035–0.07 oz./100 ft. ²	4	Must be used on a preventative basis. Apply enough water to get Mycostop into the root zone. Do not mix with other pesticides or concentrated fertilizers.
	Thiophanate-methyl	2001	3336	F	8–16 fl. oz.	12	Drench at 3–4 week intervals. For drench applications, do not exceed 300 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
				G	2–3 lb./yd. ³ or 22–30 lbs./1,000 ft. ²	12	Repeat at 3–4 week intervals.
				50 WP	8–16 oz.	12	Drench at 3–4 week intervals. For drench applications, do not exceed 300 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		2001	Fungo®	50 WSB	8–16 oz.	12	Drench at 4–8 week intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		2001	Fungo® Flo	F	20 fl. oz.	12	Drench at 2–4 week intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		2004	OHP6672	4.5	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		50 WP		12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
	Thiophanate-methyl plus Flutolanil	2001	SysStar®	WDG	2–4 oz.	12	Soil drench. Make no more than 4 applications/year.*
	Thiophanate-methyl plus Mancozeb	2001	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals. Labeled for control of <i>Rhizoctonia</i> on other crops. For use on impatiens, petunias, snap dragons, verbena and vinca only.*
	Triflumizole	2004	Terraguard®	50 W	4–8 oz.	12	Drench at 2–4 week intervals. Do not use on impatiens plugs. On impatiens transplants, do not exceed 2 oz./100 gal.
	<i>Trichoderma hazianum</i> KRL-AG2	2001	PlantShield™ Foliar Spray and Drench	WP	6–12 oz.	-	Constant agitation of solution recommended.
		2001	RootShield®	G	1–1.5 lb./yd. ³	-	Incorporate into potting mix.
		2001	RootShield® Drench	WP	6–12 oz.	-	Constant agitation of solution recommended.
		2001	TopShield™ Foliar Spray and Drench	WP	6–12 oz.	-	Constant agitation of solution recommended.
	Trifloxystrobin	2004	Compass™	WDG	0.5 oz.	12	Drench at 21–28 day intervals. Use up to 120 oz. of Compass/acre/crop cycle or year in greenhouses or 34.5 oz. outdoors. May cause injury to New Guinea Impatiens and petunias. Do not use with organosilicate products.*



The Flower Fields

Federal Disease Control Chart – Page 13

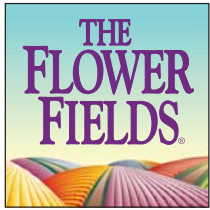
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G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
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MW	Micronized Wettable		
SD	Spray Dry		

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DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Rust	Azoxystrobin	2001	Heritage®	WDG	1-4 oz.	4	Foliar spray at 7-28 day intervals. Do not exceed 600 gallons/acre/application. Do not exceed 10 lbs. product/crop acre/year or 8 applications/crop/year. Do not use with silicone based products.
	Chlorothalonil	2001	Daconil Ultrex® Turf Care®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
		2001	Daconil Weather Stik® Turf Care®	F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
		2001	Daconil Zn® Turf Care®	F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. For use on daisies, impatiens and petunias only. Phytotoxicity may occur when Daconil is combined with some spreader-stickers. Check for phytotoxicity to blooms.
	Chlorothalonil plus Thiophanate-methyl	2001	Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.
	Copper Complex	2001	Phyton®27	21.36%	13-25 fl. oz.	24	Foliar spray. Also labeled for low volume use. Rate varies by crop. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Aliette application.
	dimethomorph/Mancozeb	2004	Stature	WP	1.75 lbs.	24	Full coverage spray at 7-14 day intervals. Do not exceed 2.25 lbs./acre/application and no more than 11.25 total lbs./acre/season.
	Ferbam	2001	Ferbam Granuflo®	76 WDG	16-24 oz.	24	Foliar spray at 7-10 day intervals. Not labeled for greenhouse use. For use on snapdragons and verbena only.
	Flutolanil	2001	Contrast	70 WSP	3-6 oz.	12	Make no more than 4 applications/year.
	Horticultural Oils	2001	Saf-T-Side™	L	1-2 gal.	4	Apply as a spray. Check label for tank mix restrictions.*
	Hydrogen Dioxide	2001	ZeroTol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease spray daily at the high rate for 3 consecutive days and then resume weekly preventative treatment at the low rate.
	Mancozeb (Fore Flo XL is no longer manufactured)	2001	Dithane® T&O Rain Shield™	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals.
			WP	24 oz.	24	Foliar spray at 7-10 day intervals.	
		2001	Fore® T&O Rain Shield™	WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals.*
		2001	Maneb 75 DF	DF	16-24 oz.	24	Foliar spray at 7 day intervals. For use on outdoor snapdragons.
		2001	Maneb 80 WP	WP	16-24 oz.	24	Foliar spray at 7 day intervals. For use on outdoor snapdragons.
		2001	Pentathon®	DF	16-32 oz.	24	Foliar spray at 7-10 day intervals.
	Mancozeb & Copper Hydroxide	2001	Junction	DF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. For use on snapdragons only.
				WSB	16-32 oz.	24	Foliar spray at 7-21 day intervals.
	Mancozeb & Copper Hydroxide	2001	Junction	DF	24-56 oz./acre	24	Foliar spray at 7-14 day intervals. Labeled for control of rust on other crops. Do not mix with diazinon or thiophanate-methyl.
WSB				16-32 oz.	24	Foliar spray at 7-21 day intervals.	
Myclobutanil	2001	Eagle®	WSP	3-6 oz.	24	Foliar spray at 10-14 day intervals. Apply no more than 10 oz./acre/application and 5 lb./acre/year. For outdoor use only.	
	2001	Systane®	WSP	4 oz.	24	Foliar spray at 10-14 day intervals. Apply no more than 6 oz./acre/application and 5 lbs./acre/year.	
Neem Oil	2004	Triact® 70	EC	64-128 fl. oz.	4	Foliar spray at 7-14 day intervals. Do not spray on impatiens blooms.*	
Oxycarboxin	2001	Plantvax®	75 W	16-24 oz.	12	Foliar spray at approximately 2 week intervals, using 2-4 sprays per season. Do not mix with insecticides and acaricides.*	
Propiconazole	2001	Banner® Maxx®	EC	5-8 fl. oz.	24	Labeled for impatiens, snapdragons, vinca and field grown ornamentals.*	
Sulfur	2001	Sulfa	F	32-160 fl. oz.	24	Foliar spray at 5-14 day intervals. For use on daisies, petunias, snapdragons and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.	
	2001	Sulfur 90 W	W	32-128 fl. oz.	24	Foliar spray at 5-14 day intervals. For use on daisies, petunias, snapdragons and verbena only. Not labeled for greenhouse use. Do not use within 2 weeks of an oil application.	



where color grows.

The Flower Fields

Federal Disease Control Chart – Page 14

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E or EC	Emulsifiable Concentrate	WDG, EG or WG	Water Dispersible Granules
F or FL	Flowable	WF	Wettable Flowable
G or GR	Granular	WSB	Water Soluble Bag
GL	Gel	WSP	Water Soluble Pouch
L	Liquid	*	Do not apply through any type of irrigation system.
LC	Liquid Concentrate		
LF	Liquid Flowable		
ME	Micro-Encapsulated		
MW	Micronized Wettable		
SD	Spray Dry		

DISEASE	COMMON NAME	MANUF. LAST UPDATE	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Rust <i>Continued</i>	Thiophanate-methyl	2001	3336	F	12–16 fl. oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
				50 WP	12–16 oz.	12	Foliar spray at 7–14 day intervals. For foliar applications, do not exceed 36 lb. AI/acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.
	Thiophanate-methyl plus Mancozeb	2001	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals. For use on impatiens, petunias, snapdragons, verbena and vinca only.*
	Triadimefon	2004	Strike®	50 WDG	1–2 oz.	12	Foliar spray on daisies, petunias and snapdragons only.*
	Triflumizole	2004	Terraguard®	50 W	2–4 oz.	12	Foliar sprays at 7 day intervals as needed.
	Trifloxystrobin	2004	Compass™	WDG	2–4 oz., up to 8 oz./acre	12	Foliar spray at 7–14 day intervals. Make no more than 4 foliar applications per crop cycle or season. Use up to 120 oz. of Compass/acre/crop cycle or year in greenhouses or 34.5 oz. outdoors. May cause injury to New Guinea Impatiens and petunias. Do not use with organosilicate products.*
	Ziram	2001	Ziram 76 DF	DF	24–32 oz.	48	Foliar spray at 7–10 day intervals. For use on snapdragons only. Not for greenhouse use.*
Ziram Granuflo®			76 WDG	26.7–32 oz.	48	Foliar spray at 7–10 day intervals. For use on snapdragons only. Not for greenhouse use.*	