



Poinsettia Federal Disease Control Chart – Page 1

Read and follow the instructions on the label before using any pesticide. Some pesticides are not available in all states. Before using a pesticide on the crop for the first time or on a new cultivar, treat a few plants and check for phytotoxicity. Some pesticides listed are no longer being manufactured for use on ornamentals, but they are included as they are still available for sale and use until existing supplies are gone.

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
<i>Alternaria Blight/ Alternaria euphorbiicola</i>	Chlorothalonil	Daconil Ultrex®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Weather Stik™	F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Zn®	F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
	Chlorothalonil plus Thiophanate-methyl	Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.
	Copper Hydroxide	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Alternaria</i> on other crops.
			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.
	Ferbam	Ferbam Granuflo®	76 WDG	16-24 oz.	24	Foliar spray at 7-10 day intervals. Not labeled for greenhouse use.
	Fludioxonil	Medallion®	50 WP	1-2 oz.	12	Foliar spray at 7-14 day intervals. Use up to 40 lb./acre/year or crop cycle. Use with oils or adjuvants may cause phytotoxicity.
	Hydrogen Dioxide	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.
	Iprodione	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.
	Mancozeb	Dithane® T/O	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Alternaria</i> on other crops.
			WP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Alternaria</i> on other crops.
		Fore® T/O	Flo XL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Alternaria</i> on other crops.
			WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Alternaria</i> on other crops.*
		Pentathlon®	FL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Alternaria</i> on other crops.
			DF	16-32 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Alternaria</i> on other crops.
	Protect™ T/O	WSB	16-32 oz.	24	Foliar spray at 7-21 day intervals.	
	Mancozeb & Copper Hydroxide	Junction	DF	24-56 oz./acre	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Alternaria</i> on other crops. Do not mix with diazinon or thiophanate-methyl.
Propiconazole	Banner® Maxx®	L	5-8 fl. oz.	24	Labeled for field grown ornamentals.*	
<i>Streptomyces griseoviridis</i>	Mycostop®	WP	1.4 oz.	4	Must be used on a preventative basis. Do not tank mix with other pesticides or concentrated fertilizers.	
Thiophanate-methyl plus Mancozeb	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals.*	
Triflumizole	Terraguard®	50 W	4-8 oz.	12	Foliar spray at weekly intervals as needed.	
Ziram	Ziram Granuflo®	76 WDG	26.7-32 oz.	48	Foliar spray at 7-10 day intervals. Not labeled for greenhouse use.	



Poinsettia Federal Disease Control Chart – Page 2

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Bacterial leaf spot/ <i>Xanthomonas campestris</i> <i>pv. poinsettiaeicola</i>	Copper Complex	Phyton® 27	21.36%	15-35 fl. oz.	24	Foliar spray as needed. Also labeled for low volume use. 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 Nu-Cop®	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of bacterial leaf spot on other crops.	
			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	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.	
Mancozeb & Copper Hydroxide	Junction	DF	24-56 oz./acre	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Xanthomonas</i> on other crops. Do not mix with diazinon or thiophanate-methyl.		
Neem Oil	Triact® 70	EC	64-128 fl. oz.	4	Foliar spray at 7-14 day intervals.*		
Bacterial soft rot/ <i>Erwinia carotovora</i>	Copper Complex	Phyton® 27	21.36%	15-35 fl. oz.	24	Foliar spray as needed. Also labeled for low volume use. 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 Nu-Cop®	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of bacterial soft rot on other crops.	
			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.			
Black root rot/ <i>Thielaviopsis basicola</i>	Etridiazole plus Thiophanate-methyl	Banrot®	8 G	16 oz./yd. ³ of soil	12	Incorporate into potting mix.	
			40 W	6-12 oz.	12	Drench at 4-12 week intervals. Irrigate immediately after fungicide drench.	
	Hydrogen Dioxide	Zero Tol™	27% L	250 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.	
	Thiophanate-methyl	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. For drench applications, do not exceed 300 lb. AI/acre/crop season from all thiophanate-methyl containing products.	
			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.	
			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.
			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.
			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.		
	<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.	
			G	1-1.5 lb./yd. ³	-	Incorporate into potting mix.	
		RootShield® Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.	
TopShield™ Foliar Spray and Drench		WP	6-12 oz.	-	Constant agitation of solution recommended.		
Triflumizole	Terraguard®	50 W	1-4 oz.	12	Drench at 2-4 week intervals. Water the day before drenching and then do not water again for 24 hours.		



Poinsettia Federal Disease Control Chart – Page 3

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
<i>Botrytis blight/ Botrytis cinerea</i>	Chlorothalonil	Daconil Ultrex®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Weather Stik™	F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Zn®	F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Exotherm Termil®	Fumigator	3.5 oz./1,000 ft. ²	48	Thermal dust. Apply at 7 day intervals. Apply to foliage only.
	Chlorothalonil plus Thiophanate-methyl	ConSyst™	WDG	12-16 oz.	48	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.*
		Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.
	Copper Complex	Phyton® 27	21.36%	15 fl. oz.	24	Foliar spray as needed. Also labeled for low volume use. Do not tank mix, or use within 7 days of a B-Nine or 14 days of an Alette application.
	Copper Hydroxide	Kocide® 2000 T/N/O Nu-Cop®	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Botrytis</i> on other crops.
			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.	
	Fenhexamid	Decree™	50 WDG	16-24 oz./acre	4	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	Ferbam Granuflo®	76 WDG	16-24 oz.	24	Foliar spray at 7-10 day intervals. Not labeled for greenhouse use.
	Fludioxonil	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	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.
	Iprodione	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.
	Mancozeb	Dithane® T/O	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.
			WP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.
		Fore® T/O	Flo XL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.
			WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.*
Pentathlon®		DF	16-32 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.	
	FL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Botrytis</i> on other crops.		
Protect™ T/O	WSB	16-32 oz.	24	Foliar spray at 7-21 day intervals.		
Mancozeb & Copper Hydroxide	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	Triact® 70	EC	64-128 fl. oz.	4	Foliar spray at 7-14 day intervals.*	
Potassium Bicarbonate	FirstStep™	WP	40-80 oz./acre	4	Foliar spray at 7-14 day intervals. Do not mix with other pesticides or spray adjuvants.*	
<i>Streptomyces griseoviridis</i>	Mycostop®	WP	1.4 oz.	4	Must be used on a preventative basis. Do not tank mix with other pesticides or concentrated fertilizers.	



Poinsettia Federal Disease Control Chart – Page 4

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

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DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Botrytis blight/ <i>Botrytis cinerea</i> (Continued)	Thiophanate-methyl	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.
		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.
		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.
		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 Mancozeb	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals.*
	<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
		RootShield® Drench	WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
		TopShield™ Foliar Spray and Drench	WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
	Trifloxystrobin	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. Do not use with organosilicate products. May be phytotoxic to bracts.*
	Triflumizole	Terraguard®	50W	4-8 oz.	12	Foliar spray at weekly intervals as needed.
	Vinclozolin	Curalan®	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. Do not spray poinsettias in color or after Nov. 1. Do not use on V-14 Glory.*
			DE, 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. Do not spray poinsettias in color or after Nov. 1. Do not use on V-14 Glory.*
Ziram Granuflo®		76 WDG	24-32 oz.	48	Foliar spray at 7-10 day intervals. Not labeled for greenhouse use.	
Corynespora leaf spot/ <i>Corynespora cassiicola</i>	Chlorothalonil	Daconil Ultrex®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Weather Stik™	F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Zn®	F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
	Chlorothalonil plus	ConSyst™	WDG	12-16 oz.	48	Foliar spray at 7-10 day intervals. Labeled for control of <i>Corynespora</i> on other crops.*
	Thiophanate-methyl	Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.
	Hydrogen Dioxide	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.
	Thiophanate-methyl	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.
		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.
		Fungo® Flo	F	20 fl. oz.	12	Foliar spray at 10-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
SysTec 1998™		F	15-20 fl. oz.	12	Foliar spray at 10-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
	WDG	4.8-12.8 oz.	12	Foliar spray at 10-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.		



Poinsettia Federal Disease Control Chart – Page 5

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Fusarium stem rot/ <i>Fusarium spp.</i>	Chlorothalonil plus Thiophanate-methyl	Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.	
	Etridiazole plus Thiophanate-methyl	Banrot®	8 G	16 oz./yd. ³ of soil	12	Incorporate into potting mix.	
			40 W	6-12 oz.	12	Drench at 4-12 week intervals. Irrigate immediately after fungicide drench.	
	Fludioxonil	Medallion®	50 WP	1-2 oz.	12	Drench at 3-4 week intervals. Use up to 40 lb./acre/year or crop cycle.	
	Hydrogen Dioxide	Zero Tol™	27% L	250 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.	
	Mancozeb	Dithane® T/O	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Fusarium</i> on other crops.	
			WP	24 oz.	24	Labeled for control of <i>Fusarium</i> on other crops.	
		Fore® T/O	Flo XL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Fusarium</i> on other crops.	
		Pentathlon®	DF	WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Fusarium</i> on other crops.*
				DF	16-32 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Fusarium</i> on other crops.
	Protect™ T/O	WSB	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>	Mycostop®	WP	0.035-0.07oz./100 ft. ²	4	Must be used on a preventative basis. Apply enough water to move the Mycostop into the root zone. Do not tank mix with other pesticides or concentrated fertilizers.	
	Thiophanate-methyl	3336	F	8-16 fl. oz.	12	Drench at 3-4 week intervals. For drench applications, do not exceed 300 lb./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./acre/crop season from all thiophanate-methyl containing products. Do not tank mix with copper-containing materials or highly alkaline pesticides.	
		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.	
		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.	
		SysTec 1998™	F	WDG	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.
	Thiophanate-methyl plus Mancozeb	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals.*	
	<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.	
RootShield®			G	1-1.5 lb./yd. ³	-	Incorporate into potting mix.	
RootShield® Drench			WP	6-12 oz.	-	Constant agitation of solution recommended.	
TopShield™ Foliar Spray and Drench			WP	6-12 oz.	-	Constant agitation of solution recommended.	
Triflumizole	Terraguard®	50W	4-8 oz.	12	Soil drench at 2-4 week intervals.		
Greasy canker/ <i>Pseudomonas viridifalva</i>	Copper Complex	Phyton® 27	21.36%	15-35 fl. oz.	24	Labeled for control of <i>Pseudomonas</i> spp. on other crops. Also labeled for low volume use. 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	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Pseudomonas</i> sp. on other crops.	
			50 DF	16 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Pseudomonas</i> sp. on other crops.	
			3 L	21.3 fl. oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Pseudomonas</i> sp. on other crops.	
			50 WP	16 oz.	48	Foliar spray at 7-14 day intervals. Labeled for control of <i>Pseudomonas</i> sp. on other crops.	



Poinsettia Federal Disease Control Chart – Page 6

Read and follow the instructions on the label before using any pesticide. Some pesticides are not available in all states. Before using a pesticide on the crop for the first time or on a new cultivar, treat a few plants and check for phytotoxicity. Some pesticides listed are no longer being manufactured for use on ornamentals, but they are included as they are still available for sale and use until existing supplies are gone.

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Greasy canker/ <i>Pseudomonas viridifalva</i> (Continued)	Hydrogen Dioxide	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.
	Mancozeb & Copper Hydroxide	Junction	DF	24-56 oz./acre	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Pseudomonas</i> on other crops. Do not mix with diazinon or thiophanate-methyl.
Powdery Mildew/ <i>Oidium spp.</i>	<i>Ampelomyces quisqualis</i>	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.
	Chlorothalonil	Daconil Ultrex®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. Labeled for control of powdery mildew on other crops. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Weather Stik™	F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Zn®	F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
	Chlorothalonil plus Thiophanate-methyl	ConSyst™	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.
	Cinnamaldehyde	Cinnamite	EC	64-100 fl. oz.	4	Foliar spray as needed. After 2 applications, rotate to an alternative chemistry for at least 2 applications. Do not apply to stressed or newly transplanted material prior to root establishment. Do not apply to bracts.*
	Copper Complex	Phyton® 27	21.36%	15-35 fl. oz.	24	Foliar spray as needed. Also labeled for low volume use. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Alette application.
	Copper Hydroxide	Kocide® 2000 T/N/O Nu-Cop®	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of powdery mildew on other crops.
			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.
	Fenarimol	Rubigan™ A.S. Turf & Ornamental	EC	3-10 fl. oz.	12	Labeled for field and container grown ornamentals.*
	Horticultural Oil	JMS Stylet-Oil®	L	100 fl. oz.	4	Phytotoxicity has been reported on bracts. Check label for tank mix restrictions.*
		Saf-T-Side™	L	1-2 gal.	4	Phytotoxicity has been reported on bracts. Check label for tank mix restrictions.*
		Ultra-Fine® Oil	L	1 gal.	4	Foliar spray at 2-4 week intervals. Phytotoxicity has been reported on bracts. Check label for tank mix restrictions.*
	Hydrogen Dioxide	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.
Insecticidal Soap	M-Pede®	L	1-2 gal.	12	Foliar spray at 7-10 day intervals. Text for phytotoxicity. Avoid more than 3 consecutive applications. Do not add adjuvants, spray to new transplants, unrooted cuttings, or bracts. Check label for tank mix restrictions.*	
Kresoxim-methyl	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	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	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.	
	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	Triact® 70	EC	64-128 fl. oz.	4	Foliar spray at 7-14 day intervals.*	
Piperalin	Pipron™	EC	4-8 fl. oz.	12	Check for phytotoxicity before applying to bracts.*	
Potassium Bicarbonate	FirstStep™	WP	40-80 oz./acre	4	Foliar spray at 7-14 day intervals. Do not mix with other pesticides or spray adjuvants.*	
	Kaligreen®	WP	16-48 oz./100 gal./acre	4	Test for phytotoxicity. Do not tank mix with highly acidic products.*	



Poinsettia Federal Disease Control Chart – Page 7

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Powdery Mildew/ <i>Oidium</i> spp. (Continued)	Propiconazole	Banner® Maxx®	EC	5-8 fl. oz.	24	Labeled for field grown ornamentals.*
	Sulfur	Microspense 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.*
		Microthiol® Disperse	MW	3-10 lb./acre	24	Injury may be enhanced under high temperatures. Do not use within 2 weeks of an oil spray.
		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.
		Sulfur 6L	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.
	Thiophanate-methyl	3336	F	12-24 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	12-24 oz.	12	Foliar spray at 7-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides. For foliar applications, do not exceed 36 lb.AI/acre/crop season from all thiophanate-methyl containing products.
		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.
		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.
		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 Mancozeb	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals. Labeled for control of powdery mildew on other crops.*
	Triadimefon	Strike®	25 WDG	2-4 oz.	12	Foliar spray.*
	<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
		RootShield® Drench	WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.
TopShield™ Foliar Spray and Drench		WP	50-100 oz.	-	Foliar spray at 7-14 day intervals. Constant agitation of solution recommended.	
Triflumizole	Terraguard®	50 W	4-16 oz.	12	Foliar spray at weekly intervals. Use the 16 oz. rate for initial applications to existing infections. Lower rates of 4-8 oz. should be used for subsequent applications and preventative sprays.	
Trifloxystrobin	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. Do not use with organosilicate products. May be phytotoxic to bracts.*	
Pythium root and stem rot/ <i>Pythium</i> spp. Phytophthora stem rot/ <i>Phytophthora parasitica</i>	Etridiazole	Terrazole®	35 WP	3.5-10 oz.	12	Drench at 1-3 month intervals. Also labeled for application to dry potting mix. Irrigate immediately after fungicide drench.
		Truban®	25 EC	4-8 fl. oz.	12	Drench at 4-12 week intervals. Irrigate immediately after fungicide drench. Do not mix with other pesticides or nutrients.
			5 G	10 oz./yd. ³ of soil	12	Incorporate into potting mix.
			30 WP	3-10 oz.	12	Drench at 4-12 week intervals. Irrigate immediately after fungicide drench.
	Etridiazole plus Thiophanate-methyl	Banrot®	8 G	16 oz./yd. ³ of soil	12	Incorporate into potting mix.
			40 W	6-12 oz.	12	Drench at 4-12 week intervals. Irrigate immediately after fungicide drench.
	Chlorothalonil	Daconil Ultrex®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. Labeled for control of <i>Phytophthora</i> dieback. Phytotoxicity may occur when Daconil is combined with some spreader stickers. Do not apply to bracts.
Daconil Weather Stick®		F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. Labeled for control of <i>Phytophthora</i> dieback. Phytotoxicity may occur when Daconil is combined with some spreader stickers. Do not apply to bracts.	
Daconil Zn®		F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. Labeled for control of <i>Phytophthora</i> dieback. Phytotoxicity may occur when Daconil is combined with some spreader stickers. Do not apply to bracts.	



Poinsettia Federal Disease Control Chart – Page 8

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Pythium root and stem rot/ <i>Pythium</i> spp. Phytophthora stem rot/ <i>Phytophthora parasitica</i> (Continued)	Chlorothalonil plus Thiophanate-methyl	Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. Labeled for control of <i>Phytophthora</i> aerial blight. See label for tank mix restrictions.	
	Copper Hydroxide	Kocide® 2000 T/N/O	DF	12 oz.	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Phytophthora</i> on other crops.	
			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.
			50 WP	16 oz.	48	Foliar spray at 7-14 day intervals. Labeled for control of <i>Phytophthora</i> dieback.	
	Fosetyl-Al	Chipco® Aliette®	80 WDG	Drench: 6.4-12.8 oz. Spray: 40-80 oz.	12	Labeled as both spray or drench. Do not apply more than once every 30 days. Spray no more than 400 gallons/acre. Do not mix with a sticker, wetting agent, copper based materials or flowable formulations of Daconil 2787 or Fore.	
	<i>Gliocladium virens</i> GL	SoilGard™	12 G	1-1.5 lb./yd. ³ of soil	4	Incorporate into potting mix and wait one day before transplanting. Do not use other soil fungicides at incorporation.	
	Hydrogen Dioxide	Zero Tol™	27% L	250 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.	
	Mancozeb	Dithane® T/O	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Phytophthora</i> on other crops.	
			WP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Phytophthora</i> on other crops.	
		Fore® T/O	Flo XL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Phytophthora</i> on other crops.	
			WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Phytophthora</i> on other crops.*	
		Pentathlon®	FL	25.6-38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Phytophthora</i> on other crops.	
	Protect™ T/O	WSB	16-32 oz.	24	Foliar spray at 7-21 day intervals. Labeled for control of <i>Phytophthora</i> .		
	Mancozeb & Copper Hydroxide	Junction	DF	24-56 oz./acre	24	Foliar spray at 7-14 day intervals. Labeled for control of <i>Phytophthora</i> on other crops. Do not mix with diazinon or thiophanate-methyl.	
	Mefenoxam	Subdue® Maxx®	ME	0.5-1 fl. oz.	-	Repeat application at 1-2 month intervals. Do not apply 0.75-1 fl. oz./100 gal. more than once every 6 weeks.	
		Subdue®	GR	12-60 oz./1000 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.	
		Subdue® 2X WSP	WSP	0.1-0.5 oz.	-	Drench at 1-2 month intervals. Do not apply 0.4-0.5 oz./100 gal. more than once every 6 weeks.	
	Propamocarb	Banol®	66.5%	20 fl. oz.	12	Drench at 3-6 week intervals.*	
<i>Streptomyces griseoviridis</i>	Mycostop®	WP	0.035-0.07 oz./100 ft. ²	4	Must be used on a preventative basis. Apply enough water to move the Mycostop into the root zone. Do not tank mix with other pesticides or concentrated fertilizers.		
<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	WP	6-12 oz.	-	Constant agitation of solution recommended. Protection against <i>Pythium</i> .		
	RootShield®	G	1-1.5 lb./yd. ³	-	Incorporate into potting mix. Protection against <i>Pythium</i> .		
	RootShield® Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.		
	TopShield™ Foliar Spray and Drench	WP	6-12 oz.	-	Constant agitation of solution recommended. Protection against <i>Pythium</i> .		



Poinsettia Federal Disease Control Chart – Page 9

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Rhizoctonia root and stem rot and Web Blight/<i>Rhizoctonia solani</i>	Chlorothalonil	Daconil Ultrex®	WDG	22.4 oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Weather Stik™	F	22 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
		Daconil Zn®	F	32 fl. oz.	48	Foliar spray at 7-14 day intervals. Do not apply to bracts. Phytotoxicity may occur when Daconil is combined with some spreader-stickers.
	Chlorothalonil plus Thiophanate-methyl	Spectro™	90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.
	Copper Complex	Phyton® 27	21.36%	20-35 fl. oz.	24	Apply as a drench. Do not tank mix or use within 7 days of a B-Nine or 14 days of an Alette application.
	Etridiazole plus Thiophanate-methyl	Banrot®	8 G	16 oz./yd. ³ of soil	12	Incorporate into potting mix.
			40 W	6-12 oz.	12	Drench at 4-12 week intervals. Irrigate immediately after fungicide drench.
	Fludioxonil	Medallion®	50 WP	1-2 oz.	12	Drench at 3-4 week intervals. Also labeled as a spray at 1-2 oz./100 gallons. Use up to 40 lb. AI/acre/year or crop cycle.
	Flutolanil	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	SoilGard™	G	1-1.5 lb./yd. ³ of soil	12	Incorporate into potting mix and wait one day before transplanting. Do not use other soil fungicides at incorporation.
	Hydrogen Dioxide	Zero Tol™	27% L	250 fl. oz.	-	Drench at the time of transplanting and periodically during the crop.
	Iprodione	Chipco® 26019	50 WP	6.5 oz.	12	Drench at 2 week intervals. Apply 1-2 pints of solution/ft. ² . Do not exceed a total of 17.6 oz. product/1000 ft. ² /year or 6 applications/year.
	Mancozeb	Dithane® T/O	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops.
			WP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops.
		Fore® T/O	Flo XL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops.
			WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops.*
		Pentathlon®	DF	16-32 oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Rhizoctonia</i> on other crops.
			FL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals. Labeled for control of <i>Rhizoctonia</i> on other crops.
	Protect™ T/O	WSB	16-32 oz.	24	Foliar spray at 7-21 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight.	
	Myclobutanil	Systane®	WSP	4 oz.	24	Foliar spray at 10-14 day intervals. Labeled for control of <i>Rhizoctonia</i> web blight on other crops. Apply no more than 6 oz./acre/application and 5 lbs./acre/year.
Quintozene	Defend	10 G	15 lb./1,000 ft. ²	12	Apply over soil surface then mix thoroughly into the top 2 inches of soil.	
		75 WP	4 oz.	12	Apply at time of transplant.*	
	Terraclor®	75 WP	4-8 oz.	12	Apply at time of transplant. One repeat application can be made 4-6 weeks later.	
		400 F	6-12 fl. oz.	12	Apply at time of transplant. One repeat application can be made 4-6 weeks later.	
	Turficide®	10 G	1-1.5 lb./yd. ³ of soil	12	Mix thoroughly.	
<i>Streptomyces griseoviridis</i>	Mycostop®	WP	0.035-0.07 oz./100 ft. ²	4	Must be used on a preventative basis. Apply enough water to move the Mycostop into the root zone. Do not tank mix with other pesticides or concentrated fertilizers.	



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LF	Liquid Flowable		
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DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS	
Rhizoctonia root and stem rot and Web Blight/ Rhizoctonia solani (Continued)	Thiophanate-methyl	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.	
		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.	
		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.	
	Thiophanate-methyl plus Mancozeb	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals. Labeled for control of <i>Rhizoctonia</i> on other crops.*	
	<i>Trichoderma hazianum</i> KRL-AG2	PlantShield™ Foliar Spray and Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.	
			RootShield®	G	1-1.5 lb./yd. ³	-	Incorporate into potting mix.
			RootShield® Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.
			TopShield™ Foliar Spray and Drench	WP	6-12 oz.	-	Constant agitation of solution recommended.
	Triflumizole	Terraguard®	50 W	4-8 oz.	12	Drench at 2-4 week intervals. Water the day before drenching and then do not water again for 24 hours.	
Trifloxystrobin	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. Do not use with organosilicate products.*		
Scab/Sphaceloma poinsettiae	Chlorothalonil plus Thiophanate-methyl	Spectro™		90 WDG	16-32 oz.	48	Foliar spray at 7-21 day intervals. See label for tank mix restrictions.
		Copper Hydroxide	Kocide® 2000		DF	12 oz.	24
	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	Zero Tol™	27% L	50-125 fl. oz.	-	Foliar spray. At first sign of disease, spray daily at the high rate for three consecutive days and then resume weekly preventative sprays at the low rate.	
	Mancozeb	Dithane® T/O	WF	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals.	
			WP	24 oz.	24	Foliar spray at 7-10 day intervals.	
		Fore® T/O	Flo XL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals.	
			WP & WSP	24 oz.	24	Foliar spray at 7-10 day intervals.*	
Pentathlon®			FL	38.4 fl. oz.	24	Foliar spray at 7-10 day intervals.	
Protect™ T/O	WSB	16-32 oz.	24	Foliar spray at 7-10 day intervals.			
Neem Oil	Triact® 70	EC	64-128 fl. oz.	4	Foliar spray at 7-14 day intervals.*		



Poinsettia Federal Disease Control Chart – Page 11

Read and follow the instructions on the label before using any pesticide. Some pesticides are not available in all states. Before using a pesticide on the crop for the first time or on a new cultivar, treat a few plants and check for phytotoxicity. Some pesticides listed are no longer being manufactured for use on ornamentals, but they are included as they are still available for sale and use until existing supplies are gone.

All trademarks are the property of their respective companies.

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

DISEASE	COMMON NAME	PRODUCT NAME	FORMULATION	DOSE/100 GALLONS	REI HR.	COMMENTS
Scab /Sphaceloma <i>poinsettiae</i> (Continued)	Thiophanate-methyl	3336	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.
			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.
		Fungo® Flo	F	20 fl. oz.	12	Foliar spray at 10-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
		SysTec 1998™	F	15-20 fl. oz.	12	Foliar spray at 10-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
			WDG	4.8-12.8 oz.	12	Foliar spray at 10-14 day intervals. Do not tank mix with copper-containing materials or highly alkaline pesticides.
	Thiophanate-methyl plus Mancozeb	Zyban®	WSB	24 oz.	24	Foliar spray at 7 day intervals.*