



DISEASE CONTROL Foliage Plants and Plants and Cuttings of Woody and Herbaceous Ornamentals

Table 1. Commercial Ornamentals: Disease Control—Foliage Plants

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
AGLAONEMA (Chinese Evergreen)				
Anthracnose				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil CONCORDE DF DACONIL ULTREX DACONILWEATHER STIK 6F ECHO 720 LANDSCAPE AND GARDEN FUNGICIDE	---	2.5 lb. 1.4 lb. 1.38 pt. 1.38 pt. 2 T. ---	Apply at 7- to 14-day intervals.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 50W	0.5-1.25 t. 2.33-4 t. ---	10-20 fl.oz. 12-16 oz. 12-16 oz.	Apply at first sign of disease. Repeat at 14-day intervals.
Bacterial Leaf Spot				
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl.oz.	Propagate disease-free plants. When irrigating, avoid wetting foliage.
Myrothecium Leaf Spot				
	azoxystrobin HERITAGE 50W	---	2-4 oz.	BROADCAST: Apply as needed every 7 to 21 days.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
AGLAONEMA (Chinese Evergreen) (cont.)				
Myrothecium Leaf Spot (cont.)				
	chlorothalonil			Apply at 7- to 14-day intervals.
	CONCORDE DF	---	2.5 lb.	
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO 720	---	1.38 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
Pythium Root Rot				
	etrifidazole			
	TERRAZOLE 35W	---	---	SOIL DRENCH: Apply to 400 square feet or 0.5 pint per 6-inch pot. Irrigate immediately. Repeat at 1- to 3-month intervals.
	TRUBAN 30W	---	10 oz.	
	TRUBAN 5G	---	10 oz./cu.yd.	DRY SOIL MIX: Mix thoroughly. Repeat as needed with a soil drench.
	TRUBAN 25E	---	4-8 fl.oz.	SOIL DRENCH: Apply to 400 square feet of bench area and irrigate immediately. Repeat at 2- to 3-month intervals to maintain disease control.
	etrifidazole + thiophanate-methyl			
	BANROT 8G	---	16 oz./cu.yd.	SOIL DRENCH: Apply to 400 square feet or 0.5 pint per 6-inch pot. Irrigate immediately. Repeat at 1- to 3-month intervals.
	BANROT 40W	---	6-12 oz.	DRY SOIL MIX: Mix thoroughly. Repeat as needed with a soil drench.
	fosetyl-Al			Apply at monthly intervals.
	ALIETTE WDG	---	2.5-5 lb.	
	mefenoxam			
	SUBDUE GR	---	8-40 oz.	BROADCAST: Distribute uniformly over 1000-square-foot bed or bench area. Irrigate to thoroughly wet the root zone. Repeat at 2- to 3-month intervals. See Annuals and Bedding Plants: Soil Pasteurization/ Fumigation and Disinfestation of Equipment.
	SUBDUE GR	---	1.6-8 oz./cu.yd.	DRY SOIL MIX: Mix thoroughly and irrigate with enough water to wet root zone. Repeat at 2- to 3-month intervals as a drench or soil application.
	SUBDUE MAXX	---	0.3-0.6 fl.oz.	SOIL DRENCH: Apply 1 pint of solution per square foot. For soil depths greater than 4 inches, use 1.5 to 2 pints of solution. Repeat every 2 to 3 months.
	SUBDUE 2X WSP	---	0.07-0.35 oz.	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
AGLAONEMA (Chinese Evergreen) (cont.)				
Pythium Root Rot (cont.)				
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz.	1-2 qt.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed.
		---	6.67-12.67 fl.oz.	DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
	propamocarb BANOL 67S	---	25 fl. oz.	SOIL DRENCH: Apply 5 quarts of solution per 10 square feet of surface. Repeat at 3- to 4-month intervals.
Rhizoctonia Stem Rot and Aerial Blight				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at 7- to 14-day intervals.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	PCNB DEFEND 2L	---	0.75-1.5 pt.	SOIL DRENCH: Apply to 400 to 800 square feet of bench area. One repeat application can be made 4 to 6 weeks later, if needed.
	DEFEND 75W	---	4-8 oz.	
	TERRACLOR 75W	---	4-8 oz.	
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	16-20 fl.oz.	SOIL DRENCH: Apply to stem base and soil at 1 to 2 pints per square foot of bench area. Repeat at 14-day intervals.
	3336 50W	2.33-4 t.	12-16 oz.	
	OHP 6672 4.5F	---	20 fl.oz.	
	OHP 6672 50W	---	12-16 oz.	
ANTHURIUM				
Anthracoze				
	mancozeb PENTATHLON F	---	1.2 qt.	Apply at 5- to 14-day intervals as needed.
Bacterial Leaf Spot (<i>Xanthomonas</i>)				
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl. oz.	Apply at first sign of disease and repeat every 7 to 14 days as needed to control disease. Use higher rate at shorter interval when disease is severe.
	fosetyl-Al ALIETTE WDG	---	2-4 lb.	SUPPRESSION: Spray to wet foliage. Repeat as needed at 7-day intervals. DO NOT tank-mix Aliette with a copper-fungicide.
Pythium Root Rot				
	etrizazole TERRAZOLE 35W	See Comments.		See Aglaonema: Pythium Root Rot.
	TRUBAN 5G			
	TRUBAN 25E			
	TRUBAN 30W			

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
ANTHURIUM (Chinese Evergreen) (cont.)				
Pythium Root Rot (cont.)				
	etr Diazole + thiophanate-methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot.
	potassium salts of phosphorous acid ALUDE	See Comments.		Refer to Rates and Comments for potassium salts of phosphorous acid under Aglaonema; Phytophthora root rot.
Rhizoctonia Root Rot				
	etr Diazole + thiophanate methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot.
	PCNB TERRACLOR 75W	---	4-8 oz.	SOIL DRENCH AT TRANSPLANTING: Apply to 400 to 800 square feet of bench or bed area. One repeat application can be made 4 to 6 weeks later.
	thiophanate-methyl 3336 4.5F OHP 6672 4.5F OHP 6672 50W	0.5-1.25 t. 2.33-4 t. ---	16-20 fl.oz. 20 fl.oz. 12-16 oz.	Apply 0.25 to 2 pints of drench solution per square foot. Repeat every 2 to 4 weeks.
	thiophanate-methyl + iprodione 26/36 FUNGICIDE	---	33-84 fl.oz./A	HEAVY SPRAY/DRENCH: Use sufficient water to thoroughly wet the roots and surrounding potting medium. Reapply at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present. NOT FOR RESIDENTIAL USE.
	triflumizole TERRAGUARD SC	---	4-8 fl.oz.	SOIL DRENCH: Apply every 14 to 28 days. Use higher rate at shorter intervals when disease is present.
Spadex Rot and Anthracnose				
	mancozeb DITHANE T/O FORE FLOWABLE PROTECT T/O 80W	--- --- ---	1.5 lb. 1.2 qt. 1.5 lb.	Apply at 7- to 10-day intervals. Add a spreader-sticker to improve coverage of the foliage.
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 50W	0.5-1.25 t. 2.33-4 t. ---	10-20 fl.oz. 12-16 oz. 12-16 oz.	Repeat at 10- to 14-day intervals.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
APHELANDRA (Zebra Plant)				
Botrytis Blight				
	chlorothalonil DACONIL ULTREX	---	1.4 lb.	Disease is associated with high humidity and mild temperatures. In greenhouse, ventilate while heating to dry air. Remove plant debris and trash. Apply at 7- to 14-day intervals when conditions favor disease.
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO 720	---	1.38 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil EXOTHERM TERMIL 20F	See Comments.		
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	Use sufficient volume of water to thoroughly cover the leaves and stems. Repeat applications at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present.
	iprodione CHIPCO 26GT	---	1-2.5 qt./A	See Comments for chlorothalonil, above. NOT FOR RESIDENTIAL USE.
	CHIPCO 26019 50SW	---	1-2.5 qt./A	
	IPRODIONE PRO SE	---	1-2.75 qt.	
	SEXTANT 2F	---	1-2.75 qt.	
	thiophanate-methyl + iprodione BENEFIT	---	17-34 fl.oz.	Apply to point of run-off. Repeat at 10- to 14-day intervals as needed. See label for further directions.
	thiophanate-methyl + iprodione 26/36 FUNGICIDE	---	33-84 fl.oz./A	Use sufficient water to thoroughly wet the roots and surrounding potting medium. Reapply at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present. NOT FOR RESIDENTIAL USE.
	triflumizole TERRAGUARD SC	---	4-8 fl.oz.	Begin applications before first sign of disease. Repeat as needed every 7 to 14 days. Use higher rate at shorter intervals when disease is present.
Leaf Spot				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	FOLIAR SPRAY: Apply at first sign of disease and then every 7 to 28 days as needed.
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at first sign of disease. Repeat at 10- to 14-day intervals.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO 720	---	1.38 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
APHELANDRA (Zebra Plant) (cont.)				
Leaf Spot (cont.)				
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	Use sufficient volume of water to thoroughly cover the leaves and stems. Repeat applications at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present.
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply at first sign of disease. Repeat at 10- to 14-day intervals. Avoid overhead irrigation.
	3336 50W	2.33-4 t.	12-16 oz.	
	thiophanate-methyl + iprodione BENEFIT	---	17-34 fl.oz.	Apply to point of run-off. Repeat at 10- to 14-day intervals as needed. See label for further directions.
Pythium Root Rot				
	fosetyl-Al ALIETTE WDG	---	2.5-5 lb.	FOLIAR APPLICATION: Apply monthly. SOIL DRENCH: Apply monthly. Covers 400 square feet of bench area.
	mefenoxam SUBDUE GR SUBDUE MAXX	See Comments.		See Aglaonema: Pythium Root Rot.
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz.	1-2 qt.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed.
		---	6.67-12.67 fl.oz.	DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
Rhizoctonia Root Rot				
	PCNB REVERE WSP	---	4-8 oz.	SOIL DRENCH: Apply 400 to 800 square feet of bench area. Repeat every 4 to 6 weeks as needed.
	triflumizole TERRAGUARD 50W	0.67-1.33 t.	4-8 oz.	SOIL DRENCH: Apply at 3- to 4-week intervals as needed.
ARANCARIA (Norfolk Island Pine)				
Cylindrocladium Root Rot				
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	16-20 fl.oz.	SOIL DRENCH: Apply 1 to 2 pints per square foot of bench area (125 to 300 gallons per 1000 square feet). Repeat at 14-day intervals.
	3336 50W	2.33-4 t.	12-16 oz.	
	triflumizole TERRAGUARD SC	---	6-12 fl.oz.	SOIL DRENCH: Apply every 14 to 28 days. Use higher rate at shorter intervals when disease is present.
Needle Blight				
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply at first sign of symptoms. Repeat at 14-day intervals.
	3336 50W	2.33-4 t.	12-16 oz.	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
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Commercial Ornamentals: Disease Control—Foliage Plants				
ARECA PALM				
Helminthosporium Leaf Spot (<i>Bipolaris and Exserohilum rostratum</i>)				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at 7- to 14-day intervals.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER	---	1.38 pt.	
	STIK 6F			
	ECHO 720	---	1.38 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	iprodione CHIPCO 26GT	---	1-2.5 qt./A	FOLIAR SPRAY: Apply at 7- to 14-day intervals. NOT FOR RESIDENTIAL USE.
	CHIPCO 26019 50SW	---	1-2.5 qt./A	
	IPRODIONE PRO SE	---	1-2.75 qt.	
	SEXTANT 2F	---	1-2.75 qt.	
	mancozeb MANCOZEB DG	1.67-3 t.	1-2 lb.	Apply to new growth or when disease first threatens. Repeat at 7- to 10-day intervals. Use higher rate and shorter spray intervals when conditions favor disease.
	triflumizole TERRAGUARD 50W	0.67-1.33 t.	4-8 oz.	FOLIAR SPRAY: Apply weekly as needed.
Pythium and Phytophthora				
	etrudiazole TRUBAN 25E	See Comments.		See Aglaonema: Pythium Root Rot.
Rhizoctonia Root Rot				
	PCNB DEFEND 2L	---	0.75-1.5 pt.	SOIL DRENCH AT TRANSPLANTING: Apply to 400 to 800 square feet of bench or bed area. One repeat application can be made 4 to 6 weeks later.
	DEFEND 75W	---	4-8 oz.	
	REVERE WSP	---	4-8 oz.	
	TERRACLOR 75W	---	4-8 oz.	
	thiophanate-methyl 3336 4.5F	---	16-20 fl.oz.	Apply 0.25 to 2 pints of drench solution per square foot. Repeat every 2 to 4 weeks.
	OHP 6672 4.5F	---	20 fl.oz.	
	OHP 6672 50W	---	12-16 oz.	
	thiophanate-methyl + iprodione 26/36 FUNGICIDE	---	33-84 fl.oz./A	HEAVY SPRAY/DRENCH: Use sufficient water to thoroughly wet the roots and surrounding potting medium. Reapply at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present. NOT FOR RESIDENTIAL USE.
	triflumizole TERRAGUARD SC	---	4-8 fl.oz.	SOIL DRENCH: Apply every 14 to 28 days. Use higher rate at shorter intervals when disease is present.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
BOUGAINVILLEA				
Anthracnose				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	Apply at first sign of disease on leaves and repeat as needed every 7 to 14 days.
	copper ammonium complex LIQUID COPPER FUNGICIDE	2 t.	---	Apply at first sign of disease and repeat applications every 7 to 14 days as needed. Shorten application interval when disease is severe.
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 50W	0.5-1.25 t. 2.33-4 t. ---	10-20 fl.oz. 12-16 oz. 12-16 oz.	See Comments for copper hydroxide, above.
Bacterial Leaf Spot				
	copper ammonium complex LIQUID COPPER FUNGICIDE	2 t.	---	Apply at first sign of disease and repeat applications every 7 to 14 days as needed. Shorten application interval when disease is severe.
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
Cercospora Leaf Spot				
	azoxystrobin HERITAGE 50W	---	2-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	Apply at first sign of disease on leaves and repeat as needed every 7 to 14 days.
	thiophanate-methyl 3336 4.5F 3336 50W	0.5-1.25 t. 2.33-4 t.	10-20 fl.oz. 12-16 oz.	Apply at first sign of disease. Repeat at 10- to 14-day intervals.
Pythium and Phytophthora Root Rot				
	propamocarb BANOL 67S	See Comments.		See Aglaonema: Phytophthora Root Rot.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
CALADIUM				
Bacterial Soft Rot of Tubers				
	None labeled	See Comments.		Discard soft, slimy, foul smelling tubers. Destroy diseased plants. Avoid wounding tubers. Dry tubers before storage.
Botrytis Blight (Gray Mold)				
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply at first sign of disease. Repeat at 10- to 14-day intervals. Remove diseased or dead plant materials.
	3336 50W	2.33-4 t.	12-16 oz.	
	OHP 6672 50W	---	12-16 oz.	
Tuber Rot (Field)				
	etr Diazole + thiophanate-methyl BANROT 8G	---	16 oz.	DRY SOIL MIX: Mix thoroughly. Repeat with other soil drench as needed.
	BANROT 40W	---	6-12 oz.	SOIL DRENCH: Covers 400 square feet. Irrigate immediately. Repeat at 2- to 3-month intervals.
	mefenoxam SUBDUE MAXX	---	0.3-0.6 fl. oz.	SOIL DRENCH AT TRANSPLANTING: Covers 800 square feet. Repeat at 1- to 2-month intervals. DO NOT apply more than 1.5 to 2 fluid ounces per 100 gallons every 6 weeks.
	propamocarb BANOL 66S		4-8 oz.	DRY SOIL MIX: Mix thoroughly and irrigate with enough water to wet soil. Repeat as a soil surface application after 6 to 8 weeks.
Tuber Rot (Storage)				
	None labeled	See Comments.		Store in dry peat in paper bag at temperature above 60°F.
CHAMAEDOREA OR PALOR PALM				
Bipolaris Leaf Spot				
	chlorothalonil DACONIL ULTREX	---	1.4 lb.	Disease favored by cool, moist conditions. Apply at first sign of disease and repeat at 7- to 14-day intervals.
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO DF	---	1.25 lb.	
	FUNG-ONIL	2.25 t.	---	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + fenarimol TWOsome 4.4F	0.67 T.	2 pt.	See Comments for chlorothalonil, above.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
CHAMAEDOREA OR PALOR PALM (cont.)				
Bipolaris Leaf Spot (cont.)				
	iprodione CHIPCO 26GT	---	1-2.5 qt./A	See Comments for chlorothalonil, above. NOT FOR RESIDENTIAL USE.
	CHIPCO 26019 50SW	---	1-2.5 qt./A	
	IPRODIONE PRO SE	---	1-2.75 qt.	
	SEXTANT 2F	---	1-2.75 qt.	
	thiophanate-methyl + iprodione BENEFIT	---	17-34 fl.oz.	Apply to point of run-off. Repeat at 10- to 14-day intervals as needed. See label for further directions.
Pythium and Phytophthora Root Rot				
	etridiazole TRUBAN 25E	See Comments.		See Aglaonema: Pythium Root Rot.
	etridiazole + thiophanate-methyl BANROT 40W BANROT 8G			Banrot will also control root rot diseases caused by Rhizoctonia and Fusarium.
COLEUS				
Botrytis Blight				
	chlorothalonil EXOTHERM LANDSCAPE AND GARDEN FUNGICIDE TERMIL 20F	See Comments. 2 T.		SMOKE FUMIGATION IN GREENHOUSE: One can treats 1000 square feet. DO NOT use at temperatures above 75°F.
	iprodione CHIPCO 26GT	---	1-2.5 qt./A	Apply when conditions favor disease. Repeat at 7- to 10-day intervals. NOT FOR RESIDENTIAL USE.
	CHIPCO 26019 50SW	---	1-2.5 qt./A	
	IPRODIONE PRO SE	---	1-2.75 qt.	
	SEXTANT 2F	---	1-2.75 qt.	
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply when conditions favor disease. Repeat at 7- to 10-day intervals.
	3336 50W	2.33-4 t.	12-16 oz.	
	50W	2.5 t.	---	
	OHP 6672 W	---	12-16 oz.	
Downy Mildew				
	azoxystrobin HERITAGE 50W	---	2-4 oz.	Apply when conditions favor disease or symptoms are first observed. Repeat applications at 7- to 21-day intervals through the production cycle.
	copper sulfate pentahydrate PHYTON 27	---	15-30 fl.oz.	Use sufficient volume of water to thoroughly cover the leaves and stems. Repeat applications at 7- to 14-day intervals as needed to control disease. May be applied as often as 3 to 5 days when disease is severe.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
COLEUS (cont.)				
Downy Mildew (cont.)				
	dimethomorph STATURE DM	---	6.4-12.8 oz.	Apply in sufficient water to thoroughly wet the leaves and stems. Repeat applications at 10- to 14-day intervals as needed through production cycle.
	fosetyl-Al ALIETTE WDG	---	2.5 lb.	Apply in sufficient water to thoroughly wet the leaves and stems. Repeat applications at 7- to 10-day intervals as needed through production cycle.
	kresoxim-methyl CYGNUS	---	3.2-6.4 oz.	Apply as protective spray at 7- to 10-day intervals. Apply higher rate at shorter interval when conditions favor disease.
	trifloxystrobin COMPASS O	---	1-2 oz.	Apply in sufficient water to thoroughly wet the leaves and stems. Repeat applications at 7- to 14-day intervals as needed through production cycle.
CRODYLINE (Ti Plant)				
Cercospora Leaf Spot				
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	mancozeb DITHANE T/O	2 t.	1.5 lb.	Apply at 7- to 10-day intervals. Add a non-ionic surfactant to the tank mixture.
	FORE 80W	2 t.	1.5 lb.	
	FORE FLOWABLE	---	1.2 qt.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	
DIEFFENBACHIA				
Bacterial Stem and Leaf Rot				
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl.oz.	To suppress disease, spray to wet foliage and repeat. DO NOT repeat more often than every 7 days.
	fosetyl-Al ALIETTE WDG	---	2-4 lb.	To suppress disease, spray to wet foliage and repeat. DO NOT repeat more often than every 7 days.
	streptomycin sulfate AGRIMYCIN 17W	---	0.5 lb. (100 ppm)	Common and devastating disease. Good sanitation critical for control. Propagate disease-free cuttings or use disease-indexed material. Destroy any diseased plants. Disinfest benches and tools. Apply foliar spray to stock plants at 5- to 7-day intervals.
		2 T.	1 lb. (200 ppm)	CUTTING DIP: Immerse cuttings in solution for 15 to 20 minutes. Remove and allow to drain.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
DIEFFENBACHIA (cont.)				
Fusarium Stem and Cutting Rot				
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	16-20 fl.oz.	SOIL DRENCH: Apply after transplanting and repeat at 2- to 4-week intervals.
	3336 50W	2.33-4 t.	12-16 oz.	
	OHP 6672 4.5F	---	20 fl.oz.	CUTTING DIP: Immerse cuttings for 10 to 15 minutes. Remove and allow to drain.
	OHP 6672 50W	---	12-16 oz.	
Leaf Spot and Blight				
	azoxystrobin HERITAGE 50W	---	2-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at first sign of disease. Repeat at 7- to 14-day intervals.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	ECHO 720	---	1.38 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	mancozeb DITHANE T/O	2 t.	1.5 lb.	See Comments for chlorothalonil, above.
	FORE 80W	2 t.	1.5 lb.	
	FORE FLO 37F	---	1.2 qt.	
	MANCOZEB DG	1.5-3 t.	1-2 lb.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	See Comments for chlorothalonil, above.
	3336 50W	2.33-4 t.	12-16 oz.	
	HALT 50W	2.5 t.	---	
	trifloxystrobin COMPASS O	---	2-4 oz.	Disease is associated with high humidity and mild temperatures in the greenhouse. Ventilate while heating to dry incoming air. Apply as a full cover spray every 7 to 14 days as needed.
Root Rot				
	etridiazole TERRAZOLE 35W	---	---	SOIL DRENCH: Apply to 400 square feet or 0.5 pint per 6-inch pot. Irrigate immediately. Repeat at 1- to 3-month intervals.
	TRUBAN 30W	---	10 oz.	
	TRUBAN 5G	---	10 oz./cu.yd.	DRY SOIL MIX: Mix thoroughly. Repeat as needed with a soil drench.
	TRUBAN 25E	---	4-8 fl.oz.	SOIL DRENCH: Apply to 400 square feet of bench area and irrigate immediately. Repeat at 2- to 3-month intervals to maintain disease control.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
DIEFFENCACHIA (cont.)				
Root Rot (cont.)				
	etr Diazole + thiophanate-methyl BANROT 8G	---	16 oz./cu.yd.	SOIL DRENCH: Apply to 400 square feet or 0.5 pint per 6-inch pot. Irrigate immediately. Repeat at 1- to 3-month intervals.
	BANROT 40W	---	6-12 oz.	
	fosetyl-AI ALIETTE WDG	---	2.5-5 lb.	DRY SOIL MIX: Mix thoroughly. Repeat as needed with a soil drench. FOLIAR SPRAY: Apply at monthly intervals.
	mefenoxam SUBDUE GR	---	8-40 oz.	BROADCAST: Distribute uniformly over 1000-square-foot bed or bench area. Irrigate to thoroughly wet the root zone. Repeat at 2- to 3-month intervals. See Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/ Fumigation. DRY SOIL MIX: Mix thoroughly and irrigate with enough water to wet root zone. Repeat at 2- to 3-month intervals as a drench or soil application.
	SUBDUE GR	---	1.6-8 oz./cu.yd.	
	SUBDUE MAXX SUBDUE 2X WSP	---	0.3-0.6 fl.oz. 0.07-0.35 oz.	
	propamocarb BANOL 67S	---	25 fl. oz.	SOIL DRENCH: Apply 5 quarts of solution per 10 square feet of surface. Repeat at 3- to 4-month intervals.
DRACAENA				
Bacterial Leaf Spot				
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl. oz.	Apply at first sign of disease and repeat every 7 to 14 days as needed to control disease. Use higher rate at shorter interval when disease is severe.
Fusarium Leaf Spot or Red Leaf Spot				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply in rooting beds and transplant. Repeat at 7- to 14-day intervals. <i>D. (Ploemele) reflexa</i> and <i>D. marginata</i> are most susceptible to disease. Add a spreader-sticker to wettable powder formulations to improve coverage of foliage.
	DACONIL ULTREX	---	1.4 lb.	
	DACONIL WEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	FUNG-ONIL	2.75 t.	---	
	ECHO DF	---	1.25 lb.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + fenarimol TWOSOME 4.4F	0.67 T.	2 pt.	See Comments for chlorothalonil, above.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
DRACAENA (cont.)				
Fusarium Leaf Spot or Red Leaf Spot (cont.)				
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	iprodione CHIPCO 26GT	---	1-2.5 qt./A	See Comments for chlorothalonil, above. NOT FOR RESIDENTIAL USE.
	CHIPCO 26019 50SW	---	1-2.5 qt./A	
	IPRODIONE PRO SE	---	1-2.75 qt.	
	SEXTANT 2F	---	1-2.75 qt.	
	mancozeb DITHANE T/O	2 t.	1.5 lb.	Apply in rooting beds and transplant. Repeat at 7- to 14-day intervals. Use Mancozeb DG on <i>D. marginata</i> and <i>D. sanderana</i> . <i>D. (Ploemele) reflexa</i> and <i>D. marginata</i> are most susceptible to disease.
	FORE 80W	2 t.	1.5 lb.	
	FORE FLO 37F	---	1.2 qt.	
	MANCOZEB DG	1.5-3 t.	1-2 lb.	
	PENTATHLON F	---	1.2 qt.	Add a spreader-sticker to wettable powder formulations to improve coverage of foliage.
	PROTECT T/O 80W	2 t.	1.5 lb.	
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	See Comments for mancozeb, above.
	3336 50W	2.33-4 t.	12-16 oz.	
	thiophanate-methyl + iprodione 26/36 FUNGICIDE	---	33-84 fl.oz./A	Use sufficient water to thoroughly cover the leaves and stems. Reapply at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present. NOT FOR RESIDENTIAL USE.
Leaf Spot and Anthracnose				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at first sign of disease. Repeat at 7- to 14-day intervals. Avoid overhead watering and destroy infected leaves.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO DF	---	1.25 lb.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply at first sign of disease. Repeat at 7- to 14-day intervals. Avoid overhead watering and destroy infected leaves.
	3336 50W	2.33-4 t.	12-16 oz.	
	HALT 50W	2.5 t.	---	
	OHP 6672 50W	---	12-16 oz.	
Root Rot				
	etr Diazole TRUBAN 5G	See Comments.		See Aglaonema: Pythium Root Rot.
	etr Diazole + thiophanate-methyl BANROT 8G	See Comments.		See Aglaonema: Pythium Root Rot.
	BANROT 40W			

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
FATSIA				
Leaf Spot				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil CONCORDE DF DACONIL ULTREX DACONILWEATHER STIK 6F DACONIL ZN ECHO 720 LANDSCAPE AND GARDEN FUNGICIDE	---	2.5 lb. 1.4 lb. 1.38 pt. 2 t. ---	Apply at 7- to 14-day intervals.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	mancozeb DITHANE T/O FORE 80W FORE FLOWABLE PENTATHLON F PROTECT T/O 80W	2 t. 2 t. --- --- 2 t.	1.5 lb. 1.5 lb. 1.2 qt. 1.2 qt. 1.5 lb.	Apply at 7- to 10-day intervals. Add a surfactant to the tank mixture of wettable powder formulations (W) to improve coverage of foliage.
Root Rot				
	etrizazole + thiophanate- methyl BANROT 8G BANROT 40W	--- ---	1 lb./cu.yd. 6-12 oz.	DRY SOIL MIX: Mix thoroughly. Repeat with soil drench as needed. SOIL DRENCH: Apply to 400 square feet (0.5 pint per 6-inch pot). Irrigate immediately. Repeat at 1- to 3-month intervals.
FERN (Boston, Florida, Leatherleaf, Ruffle)				
Foliar Nematode				
	See Comments.			This is a problem primarily on birds-nest and Boston fern. Destroy infected plants. Propagate nematode-free cuttings ONLY . Disinfest benches, tools, and containers. See Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization /Fumigation.
Leaf Spot and Anthracnose				
	azoxystrobin HERITAGE 50W	---	3-8 oz.	Apply at first sign of disease and repeat at 7- to 21-day intervals. DO NOT apply with an air blast sprayer. DO NOT apply in less than 100 gallons per acre.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments	
		Per Gallon	Per 100 Gallons		
Commercial Ornamentals: Disease Control—Foliage Plants					
FERN (Boston, Florida, Leatherleaf, Ruffle) (cont.)					
Leaf Spot and Anthracnose (cont.)					
	chlorothalonil			LEATHERLEAF FERN: Apply at first sign of disease. Repeat at 7- to 14-day intervals. Avoid overhead watering and remove diseased fronds.	
	CONCORDE DF	---	2.5 lb.		
	DACONIL ULTREX	---	1.4 lb.		
	DACONILWEATHER STIK 6F	---	1.38 pt.		
	DACONIL ZN	2 t.	2 pt.		
	ECHO DF	---	1.25 lb.		
	FUNG-ONIL	2.25 t.	---		
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---		
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.		See Comments for chlorothalonil, above.
Rhizoctonia Aerial Blight					
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.	
	chlorothalonil			Good ventilation, wide plant spacing, and drip irrigation help control disease. Apply at 7- to 14-day intervals.	
	CONCORDE DF	---	2.5 lb.		
	DACONIL ULTREX	---	1.4 lb.		
	DACONILWEATHER STIK 6F	---	1.38 pt.		
	DACONIL ZN	2 t.	2 pt.		
	FUNG-ONIL	2.25 t.	---		
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---		
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.		See Comments for chlorothalonil, above.
	flutolanil				FOLIAR SPRAY: Repeat sprays as needed every 14 to 21 days. Tank mix with appropriate surfactant.
	CONTRAST 70WSP	---	3-12 oz.		
	PROSTAR 70W	---	3-12 oz.		
	mancozeb			Apply as a drench or heavy spray at first sign of disease. Repeat at 10- to 14-day intervals. Apply a spreader-sticker to wettable powder formulations (W) to improve coverage of foliage.	
	DITHANE T/O	2 t.	1.5 lb.		
	FORE 80W	2 t.	1.5 lb.		
	FORE FLO 37F	---	1.2 qt.		
	MANCOZEB DG	1.5-3 t.	1-2 lb.		
	PENTATHLON F	---	1.2 qt.		
	PROTECT T/O 80W	2 t.	1.5 lb.		
	thiophanate-methyl			See Comments for mancozeb, above.	
	3336 4.5F	0.5-1.25 t.	10-20 fl.oz.		
	3336 50W	2.33-4 t.	12-16 oz.		
	HALT 50W	2.25 t.	---		
	triflumizole			Repeat at weekly intervals as needed.	
	TERRAGUARD SC	---	4-8 fl.oz.		

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
FERN (Boston, Florida, Leatherleaf, Ruffle) (cont.)				
Root Rot and Damping-Off				
	etr Diazole TERRAZOLE 35W TRUBAN 5G TRUBAN 25E TRUBAN 30W	See Comments.		See Aglaonema: Pythium Root Rot. For use on Boston fern.
	etr Diazole + thiophanate-methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot.
	fosetyl-Al ALIETTE WDG	See Comments.		See Aglaonema: Pythium Root Rot.
FICUS				
Bacterial Leaf Spot (<i>Xanthomonas</i>)				
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl. oz.	Apply at first sign of disease and repeat every 7 to 14 days as needed to control disease. Use higher rate at shorter interval when disease is severe.
	fosetyl-Al ALIETTE WDG	---	2-4 lb.	SUPPRESSION OF BACTERIAL LEAF SPOT: Spray to wet foliage and repeat no more often than every 7 days.
Cercospora Leaf Spot				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply to drip every 7 to 28 days as needed.
	chlorothalonil CONCORDE DF DACONIL ULTREX DACONILWEATHER STIK 6F DACONIL ZN ECHO 720 LANDSCAPE AND GARDEN FUNGICIDE	--- --- --- --- 2 t. --- 2 T.	2.5 lb. 1.4 lb. 1.38 pt. 2 pt. 1.38 pt. ---	Apply to run-off when conditions favor disease. Repeat every 7 to 14 days.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	dimethomorph + mancozeb STATURE WP	---	1.75 lb.	Apply as a full cover spray at 7- to 10-day intervals throughout production cycle and before onset of disease.
	mancozeb DITHANE T/O FORE 80W FORE FLO 37F PROTECT T/O 80W	2 t. 2 t. --- 2 t.	1.5 lb. 1.5 lb. 1.2 qt. 1.5 lb.	Apply at first sign of disease at 7- to 10-day intervals. Add a spreader-sticker to wettable powder (W) formulations to improve coverage of foliage.
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply when conditions favor disease. Repeat at 10- to 14-day intervals.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
FICUS (cont.)				
Root Rot				
	etr Diazole TRUBAN 5G TRUBAN 25E	See Comments.		See Aglaonema: Pythium Root Rot.
	etr Diazole + thiophanate-methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot.
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz. ---	1-2 qt. 6.67-12.67 fl.oz.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed. DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
GRAPELEAF IVY (Cissus)				
Powdery Mildew				
	myclobutanil EAGLE WSP EAGLE 20EW SYSTHANE WSP	--- --- ---	3-6 oz. 8 fl.oz. 3-6 oz.	Apply at first sign of disease and repeat at 10- to 14-day intervals. Add a non-ionic surfactant to the tank mixture. Systhane is cleared for greenhouse use.
MARANTA (Prayer Plant)				
Leaf Spot				
	chlorothalonil CONCORDE DF DACONIL ULTREX DACONILWEATHER STIK 6F DACONIL ZN ECHO DF FUNG-ONIL LANDSCAPE AND GARDEN FUNGICIDE	--- --- --- --- 2 t. 2.25 t. 2 T.	2.5 lb. 1.4 lb. 1.38 pt. 1.25 lb. 2 pt. --- ---	Apply every 7 to 14 days.
	chlorothalonil + fenarimol TWOSOME 4.4F	0.67 T.	2 pt.	Apply every 7 to 14 days.
Root Rot				
	etr Diazole TRUBAN 5G TRUBAN 25E	See Comments.		See Aglaonema: Pythium Root Rot.
	etr Diazole + thiophanate-methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
ORCHID				
Bacterial Leaf Spot				
	copper sulfate pentahydrate PHYTON 27	---	15-40 fl.oz.	Thoroughly wet foliage. Apply as needed to control disease.
Bacterial Soft Rot				
	None labeled	See Comments.		<i>Cattleya mossiae</i> and <i>C. trianae</i> are most often damaged though other orchids are susceptible. Destroy infected plants and debris. Propagate disease-free plants. Surface sterilize all tools while making cuttings. Use sterilized potting media. See Annuals and Bedding Plants: Soil Pasteurization/Fumigation and Disinfestation of Equipment.
Black Rot and Seedling Damping-Off				
	etr Diazole TRUBAN 5G TRUBAN 30W	See Comments.		See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Soil Pasteurization/Fumigation and Disinfestation of Equipment.
	fosetyl-Al ALIETTE WDG	---	2.5-5 lb.	FOLIAR SPRAY ON <i>Cattleya skinneri</i> : Spray to wet foliage. Repeat no more often than every 30 days.
Petal Blight or Flower Spotting				
	copper sulfate pentahydrate PHYTON 27	---	13-15 fl.oz.	Usually found on older, fading orchid blooms. <i>Cattleya</i> and <i>Phalaenopsis</i> are most susceptible. Appears under humid, mild, overcast conditions. Ventilation while heating will dry air. Sanitation is also important for control. Foliar sprays may damage blooms. Apply at first sign of disease and repeat at 10- to 14-day intervals.
	mancozeb DITHANE T/O FORE FLO 37F MANCOZEB DG PROTECT T/O 80W	2 t. --- 1.5-3 t. 2 t.	1.5 lb. 1.2 qt. 1-2 lb. 1.5 lb.	See Comments for copper sulfate pentahydrate, above.
	thiophanate-methyl 3336 4.5F 3336 50W	0.5-1.25 t. 2.33-4 t.	10-20 fl.oz. 12-16 oz.	See Comments for copper sulfate pentahydrate, above.
Rhizoctonia Root Rot				
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 50W	0.5-1.25 t. 2.33-4 t. ---	16-20 fl.oz. 12-16 oz. 12-16 oz.	SOIL DRENCH: Apply 1 to 2 pints per square foot of bench area after transplanting. Repeat at 2- to 4-week intervals. See Annuals and Bedding Plants: Soil Pasteurization/Fumigation and Disinfestation of Equipment. Poor drainage often causes the disease.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
ORCHID (cont.)				
Southern Blight				
	None labeled	See Comments.		Good sanitation is the only means of control. Sterilize all potting soil. See Annuals and Bedding Plants: Soil Pasteurization/Fumigation and Disinfection of Equipment.
Viruses				
	None labeled	See Comments.		Destroy infected plants. Viruses spread by propagation. Disinfect tools between cuts.
PEPEROMIA				
Crown Rot				
	etridiazole TERRAZOLE 35W TRUBAN 5G TRUBAN 25E TRUBAN 30W	See Comments.		See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Soil Pasteurization/Fumigation and Disinfestation of Equipment.
	etridiazole + thiophanate-methyl BANROT 8G BANROT 40W			See Comments for etridiazole, above.
	mefenoxam SUBDUE GR SUBDUE MAXX SUBDUE 2X WSP			See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Soil Pasteurization/Fumigation and Disinfestation of Equipment.
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz. ---	1-2 qt. 6.67-12.67 fl.oz.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed. DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
Leaf Spots and Blights				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil DACONIL ULTREX DACONILWEATHER STIK 6F	---	1.4 lb. 1.38 pt.	Apply at first sign of disease. Repeat at 7- to 14-day intervals. Add a spreader-sticker to wettable powder (W) formulations to improve coverage of foliage.
	DACONIL ZN ECHO 720 LANDSCAPE AND GARDEN FUNGICIDE	2 t. --- 2 T.	2 pt. 1.38 pt. ---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	iprodione CHIPCO 26GT CHIPCO 26019 50SW IPRODIONE PRO SE	---	1-2.5 qt./A 1-2.5 qt./A 1-2.75 qt.	Apply at first sign of disease. Repeat at 7- to 14-day intervals. Add a spreader-sticker to wettable powder (W) formulations to improve coverage of foliage. NOT FOR RESIDENTIAL USE.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
PEPEROMIA (cont.)				
Leaf Spots and Blights (cont.)				
	mancozeb			Apply at first sign of disease. Repeat at 7- to 14-day intervals. Add a spreader-sticker to wettable powder (W) formulations to improve coverage of foliage.
	DITHANE T/O	2 t.	1.5 lb.	
	FORE 80W	2 t.	1.5 lb.	
	FORE FLO 37F	---	1.2 qt.	
	MANCOZEB	---	1.2 qt.	
	MANCOZEB DG	---	1-2 lb.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	
	thiophanate-methyl			See Comments for mancozeb, above.
	3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	
	3336 50W	2.33-4 t.	12-16 oz.	
	thiophanate-methyl + iprodione			Apply to point of run-off. Repeat at 10- to 14-day intervals as needed. See label for further directions.
	BENEFIT	---	17-34 fl.oz.	
	thiophanate-methyl + iprodione			Use sufficient water to thoroughly cover the leaves and stems. Reapply at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present. NOT FOR RESIDENTIAL USE.
	26/36 FUNGICIDE	---	33-84 fl.oz./A	
Oedema				
	None labeled		See Comments.	Occurs when the roots take in water faster than it can be transpired. Overwatering, high humidity, and low light favor oedema
Southern Blight				
	azoxystrobin			Apply every 7 to 21 days when conditions favor disease. Use higher rate at shorter intervals when disease is present.
	HERITAGE 50W	---	1-4 oz.	
	PCNB			Destroy diseased plants. Propagate only healthy plant material in a sterile potting mix. Disinfest pots, benches, and tools to prevent disease spread. See Annuals and Bedding Plants: Soil Pasteurization/ Fumigation and Disinfestation of Equipment. Apply to 400 to 800 square feet of bench area. Repeat 4 to 6 weeks later if needed.
	DEFEND 2L	---	0.75-1.5 pt.	
	DEFEND 75W	---	4-8 oz.	
	REVERE 75W	---	4-8 oz.	
	TERRACLOR 75W	---	4-8 oz.	
PHILODENDRON				
Anthracnose				
	azoxystrobin			Apply to drip every 7 to 28 days as needed.
	HERITAGE 50W	---	1-4 oz.	
	chlorothalonil			Apply at first sign of disease. Repeat at 10- to 14-day intervals.
	CONCORDE DF	---	2.5 lb.	
	DACONIL ULTREX	---	2.5 lb.	
	DACONILWEATHER	---	1.38 pt.	
	STIK 6F			
	DACONIL ZN	2 t.	2 pt.	
	ECHO DF	---	1.25 lb.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
PHILODENDRON (cont.)				
Anthracnose (cont.)				
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply at first sign of disease. Repeat at 10- to 14-day intervals.
	3336 50W	2.33-4 t.	12-16 oz.	
	HALT 50W	2.5 t.	---	
	OHP 6672 50W	---	12-16 oz.	
Bacterial Leaf Spot				
	copper ammonium complex LIQUID COPPER FUNGICIDE	2 t.	---	Apply at first sign of disease and repeat applications every 7 to 14 days as needed. Shorten application interval when disease is severe.
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl.oz.	Reported on <i>Philodendron sellom</i> . Apply at 4- to 5-day intervals as protective spray on healthy plants. Destroy diseased plants and avoid overhead irrigation. See Annual and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/ Fumigation.
	streptomycin sulfate AGRIMYCIN 17 21.2W	---	1 lb. (200 ppm)	See Comments for copper hydroxide, above.
	FIREBLIGHT SPRAY	0.75 t.	---	
Dactylaria Leaf Spot				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at first sign of disease. Repeat at 7- to 14-day intervals.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO DF	—	1.25 lb.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + fenarimol TWOSOME 4.4F	0.67 T.	2 pt.	See Comments for chlorothalonil, above.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	mancozeb DITHANE M-45 80W	2 t.	1.5 lb.	Apply at first sign of disease. Repeat at 7- to 14-day intervals.
	FORE 80W	2 t.	1.5 lb.	
	FORE FLO 37F	---	1.2 qt.	
	MANCOZEB DG	---	1-2 lb.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
PHILODENDRON (cont.)				
Phytophthora Leaf Spot				
	chlorothalonil			Apply at first sign of disease. Repeat at 7- to 14-day intervals. Avoid overhead watering.
	CONCORDE DF	---	2.5 lb.	
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO DF	---	1.25 lb.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	mancozeb			Apply at first sign of disease. Repeat at 7- to 14-day intervals. Avoid overhead watering.
	DITHANE F-45 37F	---	1.2 qt.	
	DITHANE T/O	2 t.	1.5 lb.	
	FORE 80W	2 t.	1.5 lb.	
	MANCOZEB DG	---	1-2 lb.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	
Pythium and Phytophthora Root Rot				
	etridiazole			See Aglaonema: Pythium Root Rot.
	TERRAZOLE 35W			
	TRUBAN 5G			
	TRUBAN 25E			
	TRUBAN 30W			
	etridiazole + thiophanate-methyl BANROT 8G			See Aglaonema: Pythium Root Rot.
	BANROT 40W			
	fosetyl-Al			
	ALIETTE WDG	---	2.5-5 lb.	FOLIAR SPRAY: Apply monthly.
		---	6.4-12.8 oz.	SOIL DRENCH: Apply monthly. Covers 400 square feet of bench area.
	mefenoxam			
	SUBDUE MAXX	---	0.3-0.6 fl.oz.	BROADCAST: Covers 1000 square feet of bench area.
	SUBDUE 2X WSP	---	0.1-0.5 oz.	DRENCH: Apply 1.5 to 2 pints of solution per square foot of treated area. Repeat at 2- to 3-month intervals.
	SUBDUE GR	---	12-60 oz.	BROADCAST: Distribute uniformly over 1000 square feet of bench or bed area and thoroughly water into root zone.
			1.6-8 oz./cu.yd.	SOIL INCORPORATION: Thoroughly mix into soil. Irrigate to wet root zone. Treat again after 2 to 3 months with drench or broadcast treatment.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
PHILODENDRON (cont.)				
Pythium and Phytophthora Root Rot (cont.)				
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz.	1-2 qt.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed.
		---	6.67-12.67 fl.oz.	DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
	<i>Trichoderma harzianum</i> Strain KRL-AG2 ROOT SHIELD	---	1-1.5 lb./cu. yd.	DRY SOIL MIX IN NURSERY AND GREENHOUSE: Thoroughly incorporate granules during mix preparation or pot filling. See label for compatibility with other fungicides and insecticides.
Rhizoctonia Root Rot				
	etr Diazole + thiophanate-methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/ Fumigation.
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 4.5L OHP 6672 50W	See Comments.		See Aglaonema: Rhizoctonia Stem Rot.
	thiophanate-methyl + iprodione 26/36 FUNGICIDE	---	33-84 fl.oz./A	HEAVY SPRAY/DRENCH: Use sufficient water to thoroughly wet the roots and surrounding potting medium. Reapply at 7- to 14-day intervals as needed. Use higher rate at shorter interval when disease is present. NOT FOR RESIDENTIAL USE.
	triflumizole TERRAGUARD SC	---	4-8 fl.oz.	SOIL DRENCH: Apply at 2- to 4-week intervals as needed.
PILEA				
Root Rot				
	etr Diazole + thiophanate-methyl BANROT 8G	See Comments.		See Aglaonema: Pythium Root Rot.
	BANROT 40W	---	6-12 oz.	SOIL DRENCH: Apply to 400 square feet of bench area. Irrigate immediately. Repeat at 2- to 3-month intervals.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
POTHOS (<i>Epipremnum</i>)				
Bacterial Leaf Spot				
	copper hydroxide CUPRO 2005 T/N/O	1.5 t.	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl.oz.	Thoroughly cover foliage. Repeat as needed to control disease. Avoid overhead irrigation and low temperatures.
Leaf Spot and Anthracnose				
	azoxystrobin HERITAGE 50W	---	1-4 oz.	Apply at first sign of disease and repeat at 14- to 28-day intervals.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	Apply at first sign of disease on leaves and repeat as needed every 7 to 14 days.
	thiophanate-methyl 3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	Apply at 10- to 14-day intervals.
	3336 50W	2.33-4 t.	12-16 oz.	
	HALT 50W	2.5 t.	---	
	OHP 6672 50W	---	12-16 oz.	
	trifloxystrobin COMPASS O	---	2-4 oz.	Repeat applications at 7- to 14-day intervals as needed through production cycle.
Pythium Root Rot				
	etridiazole TERRAZOLE 35W TRUBAN 5G TRUBAN 25E TRUBAN 30W	See Comments.		See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/ Fumigation.
	etridiazole + thiophanate-methyl BANROT 8G BANROT 40W			See Comments for etridiazole, above.
	fosetyl-Al ALIETTE WDG			See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/ Fumigation.
	mefenoxam SUBDUE GR SUBDUE MAXX SUBDUE 2X WSP			See caution statement on Subdue label concerning product use on Pothos.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
POTHOS (<i>Epipremnum</i>) (cont.)				
Pythium Root Rot (cont.)				
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz.	1-2 qt.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed.
		---	6.67-12.67 fl.oz.	DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
	<i>Trichoderma harzianum</i> Strain KRL-AG2 ROOT SHIELD	---	1-1.5 lb./cu. yd.	DRY SOIL MIX IN NURSERY AND GREENHOUSE: Thoroughly incorporate granules during mix preparation or pot filling. See label for compatibility with other fungicides and insecticides.
Rhizoctonia Root Rot				
	fluidioxonil MEDALLION	---	2-4 oz.	Apply to point of run-off at 7- to 14-day intervals when conditions favor disease. See label for further instructions.
	flutolanil CONTRAST 70WSP	---	3-6 oz.	SOIL DRENCH: Apply 1 to 2 pints of suspension per square foot of bed or bench area. Retreat every 21 to 28 days until crop is finished. See label for drench rates on larger containers and for additional information. May be applied through overhead, microjet, and drip irrigation systems.
	trifloxystrobin COMPASS O	---	0.5 oz.	DRENCH: Use sufficient water to thoroughly wet the roots and surrounding potting medium. Reapply at 21- to 28-day intervals as needed.
	triflumizole TERRAGUARD SC	---	4-8 fl.oz.	SOIL DRENCH: Apply at 2- to 4-week intervals as needed.
RHOEO (Oyster Plant)				
Leaf Spot (Tan Spot)				
	chlorothalonil DACONIL ULTREX DACONILWEATHER STIK 6F DACONIL ZN ECHO DF FUNG-ONIL LANDSCAPE AND GARDEN FUNGICIDE	---	1.4 lb. 1.38 pt. 2 t. 1.25 lb. ---	Apply as needed at 7- to 14-day intervals.
	chlorothalonil + fenarimol TWOsome 4.4F	0.67 T.	2 pt.	Apply as needed at 7- to 14-day intervals.
Pythium Root Rot				
	fosetyl-Al ALLETTE WDG	See Comments.		See Aglaonema: Pythium Root Rot.
	propamocarb BANOL 66.5 S	See Comments.		See Aglaonema: Pythium Root Rot.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
SCHEFFLERA				
Alternaria Leaf Spot				
	iprodisone			Apply at 7- to 14-day intervals. Avoid overhead ir-rigation. Space plants to promote rapid drying of foliage. More of a problem on plants grown under shade. Foliar burn may be a problem. NOT FOR RESIDENTIAL USE.
	CHIPCO 26GT	---	1-2.5 qt./A	
	CHIPCO 26019 50SW	---	1-2.5 qt./A	
	IPRODISONE PRO SE	---	1-2.75 qt.	
	mancozeb			See Comments for iprodione, above.
	DITHANE T/O	2 t.	1.5 lb.	
	FORE 80W	2 t.	1.5 lb.	
	FORE FLO 37F	---	1.2 qt.	
	MANCOZEB DG	---	1-2 lb.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	
Anthraco nose				
	thiophanate-methyl			Apply at 10- to 14-day intervals. Shorten interval during wet, humid weather.
	3336 4.5F	0.5-1.25 t.	10-20 fl.oz.	
	3336 50W	2.33-4 t.	12-16 oz.	
	HALT 50W	2.5 t.	---	
	OHP 6672 50W	---	12-16 oz.	
Bacterial Leaf Spot				
	copper sulfate pentahydrate			Thoroughly cover foliage. Reapply as needed to control disease.
	PHYTON 27	---	20-50 fl.oz.	
	fosetyl-AI			Spray to wet foliage. DO NOT apply more often than every 7 days. SUPPRESSION ONLY .
	ALIETTE WDG	---	2-4 lb.	
Root Rot				
	etrizidazole			See Aglaonema: Pythium Root Rot.
	TERRAZOLE 35W	See Comments.		
	TRUBAN 5G			
	TRUBAN 25E			
	etrizidazole + thiophanate-methyl			See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/ Fumigation. Use Banrot for Rhizoctonia and Fusarium control.
	BANROT 8G	See Comments.		
	BANROT 40W			
	fosetyl-AI			SOIL DRENCH: Repeat monthly.
	ALIETTE WDG	---	6.4-12.8 oz.	

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
SCHEFFLERA (cont.)				
Root Rot (cont.)				
	mefenoxam SUBDUE GR SUBDUE MAXX SUBDUE 2X WSP			SOIL DRENCH: Repeat monthly.
	<i>Trichoderma harzianum</i> Strain KRL-AG2 ROOT SHIELD	---	1-1.5 lb./cu. yd.	DRY SOIL MIX IN NURSERY AND GREENHOUSE: Thoroughly incorporate granules during mix preparation or pot filling. See label for compatibility with other fungicides and insecticides.
Southern Blight				
	PCNB DEFEND 2L DEFEND 75W TERRACLOR 75W	--- --- ---	0.75-1.5 pt. 4-8 oz. 4-8 oz.	Destroy diseased plants and plant debris. Follow strict sanitation practices. See Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/Fumigation. Apply to 400 to 800 square feet of bench area. Reapply after 4 to 6 weeks, if needed.
SPATHIPHYLLUM				
Cylindrocladium Root Rot				
	fluidioxonil MEDALLION	---	2-4 oz.	Apply as a drench when sticking cuttings and repeat as needed every 21 to 28 days. See label for further instructions.
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 4.5F OHP 6672 50W	0.75-1.25 t. 2.33-4 t. --- ---	16-20 fl.oz. 12-16 oz. 20 fl.oz. 12-16 oz.	SOIL DRENCH: Apply at first sign of disease at rate of 1 to 2 pints per square foot of bench area (125 to 300 gallons per 1000 square feet).
	triflumizole TERRAGUARD SC	---	6-12 fl. oz.	SOIL DRENCH: Apply every 2 to 4 weeks as needed. FOLIAR SPRAY: Apply as heavy spray and ensure soil penetration. Repeat every 2 to 4 weeks.
Fusarium Root and Crown Rot				
	fluidioxonil MEDALLION	---	2-4 oz.	Apply as a drench when sticking cuttings and repeat as needed every 21 to 28 days. See label for further instructions.
	thiophanate-methyl 3336 4.5F 3336 50W OHP 6672 4.5F OHP 6672 50W	0.5-1.25 t. 2.33-4 t. --- ---	16-20 fl.oz. 12-16 oz. 20 fl.oz. 12-16 oz.	SOIL DRENCH: Apply every 4 weeks at rate of 1 to 2 pints per square foot of bench area.
Myrothecium Petiole Rot				
	fluidioxonil MEDALLION	---	2-4 oz.	Apply as a drench when sticking cuttings and repeat as needed every 21 to 28 days. See label for further instructions.
	triflumizole TERRAGUARD 50W	0.67-1.33 t.	4-8 oz.	FOLIAR: Apply weekly as needed. Use higher rate under heavy disease pressure.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
SYNGONIUM				
Acronium Leaf Blight (<i>Cephalosporium</i>)				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply every 7 to 14 days.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO DF	---	1.25 lb.	
	FUNG-ONIL	2.25 t.	---	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + fenarimol TWOsome 4.4F	0.67 T.	2 pt.	Apply at 7- to 14-day intervals.
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	mancozeb DITHANE T/O	2 t.	1.5 lb.	Apply at 7- to 10-day intervals.
	FORE FLOWABLE	---	1.2 qt.	
	PENTATHLON F	---	1.2 qt.	
	PROTECT T/O 80W	2 t.	1.5 lb.	
Bacterial Leaf Spot				
	copper hydroxide CUPRO 2005 T/N/O	---	0.75-2 lb./A	Apply at first sign of disease and reapply at 7- to 14-day intervals. See label for information on possible phytotoxicity.
	copper sulfate pentahydrate PHYTON 27	---	20-50 fl. oz.	Apply at first sign of disease and repeat every 7 to 14 days as needed to control disease. Use higher rate at shorter interval when disease is severe.
	fosetyl-Al ALIETTE WDG	---	2-4 lb.	Spray to wet foliage; do not exceed one spray every 7 days. SUPPRESSION ONLY .
Myrothecium Leaf Spot				
	chlorothalonil CONCORDE DF	---	2.5 lb.	Apply at 7- to 14-day intervals.
	DACONIL ULTREX	---	1.4 lb.	
	DACONILWEATHER STIK 6F	---	1.38 pt.	
	DACONIL ZN	2 t.	2 pt.	
	ECHO 720	---	1.38 pt.	
	LANDSCAPE AND GARDEN FUNGICIDE	2 T.	---	
	chlorothalonil + thiophanate-methyl SPECTRO 90	---	1-2 lb.	See Comments for chlorothalonil, above.
	trifloxystrobin COMPASS O	---	2-4 oz.	Apply in at first sign of disease. Repeat applications at 7- to 14-day intervals as needed to control disease.
	triflumizole TERRAGUARD SC	---	4-8 fl.oz.	Apply weekly as needed. Use higher rates under heavy pressure.

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
Commercial Ornamentals: Disease Control—Foliage Plants				
SYNGONIUM (cont.)				
Root Rot				
	etriadiazole + thiophanate-methyl BANROT 8G BANROT 40W	See Comments.		See Aglaonema: Pythium Root Rot; Annuals and Bedding Plants: Disinfestation of Equipment and Soil Pasteurization/Fumigation.
	potassium salts of phosphorous acid ALUDE	0.3-0.67 fl.oz.	1-2 qt.	FOLIAR SPRAY: Apply to thoroughly wet foliage and repeat every 14 to 21 days as needed.
		---	6.67-12.67 fl.oz.	DRENCH: Apply 25 gallons of solution to 100 square feet of bed area and repeat monthly as needed.
	propamocarb BANOL 67S			Banol controls only Pythium and Phytophthora root rot.

Table 2. Commercial Ornamentals: Disease Control—Plants and Cuttings of Woody and Herbaceous Ornamentals

Host and Disease	Fungicide and Formulation	Rates (Unless Stated Otherwise)		Comments
		Per Gallon	Per 100 Gallons	
	flutolanil CONTRAST 70WSP PROSTAR 70W	---	3-6 oz.	BULB DIP: Dip clean bulbs for 5 minutes in fungicide suspension and allow to dry before planting. For control of bulb rot caused by <i>Rhizoctonia</i> and <i>Sclerotium rolfsii</i> .
	thiophanate-methyl 3336 4.5F OHP 6672 4.5F OHP 6672 50W	0.5-1.25 t. 2.33-4 t. ---	20 fl.oz. 20 fl.oz. 12-16 oz.	DIP TREATMENT: Immerse plant material for 15 to 20 minutes. Remove and drain. Wear protective clothing.

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For more information, call your county Extension office. It is listed in your telephone directory under your county's name.

Use pesticides **only** according to the directions on the label. Follow all directions, precautions, and restrictions that are listed. Do not use pesticides on plants that are not listed on the label.

The pesticide rates in this publication are recommended **only** if they are registered with the Environmental Protection Agency or the Alabama Department of Agriculture and Industries. If a registration is changed or cancelled, the rate listed here is no longer recommended. Before you apply **any** pesticide, check with your county Extension agent for the latest information.

Trade names are used **only** to give specific information. The Alabama Cooperative Extension System does not endorse or guarantee any product and does not recommend one product instead of another that might be similar.

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