

ORNAMENTAL DISEASES (Commercial)

Steve Vann

Disease	Product	Active Ingredient	Rate	Comments*	
Phytophthora Root Rot Pythium Diseases	Aliette 80WDG	fosetyl-Al	6 - 12 oz/100 gal	Drench soil with 2 pts solution per sq ft as needed. Apply 1 pt solution per sq ft. Use low rate on Pothos at 3 month intervals due to potential injury. Use higher rates on Azaleas at 1 - 2 month intervals. See label. See label for drench rates for seedlings, potting, etc.	
	Subdue MAXX	mefenoxam	0.3 - 1.25 fl oz/100 gal		
		Fenox	mefenoxam	0.02 - 1 oz/100 gal	Apply 1 pt per sq ft. See label for precautions.
	(conifer transplants)	Stature	dimethomorph	See label.	May be applied as a spray, soil drench or through irrigation systems. Group 21 fungicide. Crown rots and damping off. 14 - 28 day interval.
Segway		cyazofamid	See label.		
Banrot 40WP/8G		etr Diazole + thiophanate-methyl	See label.		
		Aliette 80WDG	fosetyl-Al	8 - 12 oz	Mix with 1 cu yd potting soil just prior to potting.
	Subdue MAXX	mefenoxam	0.13 - 0.25 fl oz	Mix with 1 cu yd potting soil just prior to potting.	
	Aliette 80WDG	fosetyl-Al	2.5 lb/100 gal	Dip roots into solution prior to transplanting.	
	Alude	salts of phosphorus acid	See label.	Foliar spray/soil drench. See label.	
Powdery Mildew	Eagle 20EW	myclobutanil	8 oz/100 gal	10 - 14 day schedule. See label restrictions.	
Cercospora Leaf Spot	Terraguard	triflumizole	4 - 8 oz/100 gal	See label information.	
Entomosporium Spot	Daconil Ultrex	chlorothalonil	1.4 lb/100 gal	Begin application at first evidence of disease activity. Coverage essential.	
Rusts, Black Spot	Heritage 50WG	azoxystrobin	4 oz/100 gal	Same as above. Do not use Heritage on crabapple.	
Ovulinia Petal Blight	Compass 50WG	trifloxystrobin	4 oz/100 gal	Same as above.	
Anthracnose, Scab	Banner MAXX*	propiconazole	6 fl oz/100 gal	Same as above.	
	Bayleton 50WSP	triadimefon	5.5 oz/300 gal	Same as above.	
	Cygnus 50WG	kresoxim-methyl	1 - 6 oz/100 gal	Non-residential landscape, outdoor nurseries, greenhouses.	
	Fungo Flo	thiophanate-methyl	20 oz/100 gal	Apply at first disease evidence, then at 10 - 14 day intervals. See label.	
	Zyban	thiophanate-methyl/EBDC	24 oz/100 gal	7 day spray intervals. See label for specific diseases.	
	Insignia	pyraclostrobin	4 - 8 oz/100 gal	Use preventively. Begin at first symptom development. See label.	
	Kaligreen**	potassium bicarbonate	1 - 3 lb/100 gal/acre	For powdery mildew. See label. Can be used for organic production.	
	Milstop**	potassium bicarbonate	2 - 3 lb/acre	See label information. Contact fungicide. Can be used for organic production.	
	Protect T/O	Mn/Zn EBDC	1 - 2 WSP/100 gal	Apply at first evidence of disease. Apply 7 - 21 day intervals. See label.	
	3336 WP	thiophanate-methyl	12 - 16 oz/100 gal	Foliar spray and drench applications. See label.	
	Daconil Zn	chlorothalonil	2 pt/100 gal	7 day minimum spray interval. See label.	
	Clevis	mancozeb + myclobutanil	2 lb/100 gal	Apply at first evidence of disease, then at 7 - 10 day interval. See label.	
	Fungaflor TR	imazalil	2 oz can/1,500 sq ft	Greenhouse use only. Systemic. Aerosol. 24 hr REI.	
	ProPensity 1.3ME	propiconazole	2 - 24 oz/100 gal	See label. Various leaf spots, powdery mildew and various rusts.	
	Pageant	pyraclostrobin + boscalid	6 - 12 oz/100 gal	See label. For powdery mildew, downy mildew, rust and aerial <i>Phytophthora</i> .	
	Sextant	iprodione	1 - 2.5 qt/acre	See label. Can be used as a foliar spray, dip or drench.	
	Junction DF	mancozeb + copper hydroxide	See label.	Fungicidal and bactericidal.	
	Concert	propiconazole + chlorothalonil	See label.	Do not use in greenhouses.	
	TwoSome	thiophanate-methyl + iprodione	1.7 - 3.4 oz/100 gal	Apply at 10 - 14 day intervals.	
	T-Storm	thiophanate-methyl	See label.	Apply at 10 - 14 day intervals.	

ORNAMENTAL DISEASES (Commercial) – continued

Disease	Product	Active Ingredient	Rate	Comments*
Daylily Rust	Heritage 50WG	azoxystrobin	See label.	See label information. Commercial greenhouse and nursery use only. See label information. Apply at first evidence of disease activity.
	Banner MAXX*	propiconazole	See label.	
	Strike	triadimefon	4 oz/100 gal	
	Contrast 70WSP	flutolanil	3 oz/100 gal	
Rhizoctonia Web Blight	Heritage 50WG	azoxystrobin	4 oz/100 gal	Apply at first sign of disease and repeat every 14 days as needed. Good coverage is essential. Some products can be used as a soil or potting mix drench – see label for details.
Rhizoctonia Diseases	Chipco 26019	iprodione	1 - 2 oz/100 gal	
Botrytis Petal Blight	Medallion*	fludioxonil	2 pkt/100 gal	
	Daconil WeatherStik	chlorothalonil	1 3/8 pt/100 gal	
	Contrast 70WSP	flutolanil	3.6 oz/100 gal	
	26/36 Fungicide	iprodione + thiophanate-methyl	See label.	Follow label carefully. Foliar spray, drench or dip applications.
	26GT	iprodione	See label.	Foliar spray, drench or dip applications beginning at first evidence of disease.
Southern Blight	Prostar	flutolanil	See label.	Drench or dip application. See label.
Sclerotinia Flower Blight (Camellia)	Bayleton 50WSP	triadimefon	5.5 oz/300 gal	Apply prior to flowering and again as needed on a 14 day schedule.
Downy Mildew	Heritage 50WG	azoxystrobin	4 oz/100 gal	Apply to foliage at first sign of disease and repeat in 14 days. Rotate with mancozeb after 2 applications. Apply weekly as needed. Good coverage is essential. Follow label carefully. Use preventively. Begin at first sign of disease. Greenhouse use only. Systemic. Aerosol smoke. 24 hr REI. Not for residential use. Can be applied as a soil drench.
	Compass 50WG	trifloxystrobin	4 oz/100 gal	
	Mancozeb 80W*	mancozeb	1.5 lb/100 gal	
	Aliette 80WDG	fosetyl-Al	2.5 lb/100 gal	
	Insignia	pyraclostrobin	4 - 8 oz/100 gal	
	Fungaflor TR	imazalil	2 oz can/1,500 sq ft	
	Fenstop	fenamidone	7 - 14 oz/100 gal	
Fire Blight	Agrimycin 17	streptomycin	100 ppm	Apply at early bloom and repeat 4 times at 10 day intervals. Follow label carefully.
	Aliette 80WDG	fosetyl-Al	2.5 lb/100 gal	
Needle Blights/Casts (Christmas trees)	Quadris 2.08 FL	azoxystrobin	6.2 - 15.4 fl oz/A	Apply at first sign of disease on a 14 - 21 day schedule. Rotate with other fungicides in alternate applications.
	Cleary's 3336F	thiophanate-methyl	20 fl oz/100 gal	
	Daconil WeatherStik	chlorothalonil	3 - 5 pt/100 gal	First application when shoots 1/2 inch, then follow label information. Apply at first sign of disease, then 7 - 10 day interval. See label.
	Daconil Ultrex	chlorothalonil	2.5 - 5 lb/100 gal	
	Clevis	mancozeb + myclobutanil	2 lb/100 gal	
	Savvi	propiconazole	6 - 8 fl oz/100 gal	Apply at 21 day intervals. Begin before disease development.

* Banner MAXX is not registered for greenhouse use. Medallion is not registered for field use (container, greenhouse, etc., only). Check mancozeb formulations for specific uses – many formulations exist. Check all labels for approved uses as some plants may be damaged.

** See publication **FSA7562** for additional materials.

This information was current as of October 1, 2009, and applies only to Arkansas and may not be appropriate for other states or locations. The listing of any product in this publication does not imply endorsement of that product or discrimination against any other product by the University of Arkansas Division of Agriculture. *Every effort was made to ensure accuracy, but the user of any crop protection product must read and follow the most current label on the product – The Label is the Law.* For further assistance, contact the local Cooperative Extension Service office.