

# Fungicide Rotation Guide

These are our primary fungicide rotations of chemicals used to treat the disease issues that may develop in Proven Winners® and Proven Selections® crops.

BOTRYTIS				
Category	Treatment	Rate per 100 gal.	When	Main Target/Other Targets
Liner prevention	Daconil® foliar (note some residue)	1.4 pts.	Weekly	Botrytis (Powdery Mildew)
Stock prevention	Daconil® foliar, but not if show/finish flowers	1.4 pts.	Depends	Botrytis (Powdery Mildew)
Has Botrytis, or at risk (in Action plan)	1. Pageant®	12 oz.	0 – 14 days	Botrytis (Downy Mildew, Powdery Mildew, Alternaria Leaf Spot, Anthracnose)
	2. Spectro™ (residue an issue if show/finish)	2 lbs.	At 14 days	Botrytis (Fusarium, Powdery Mildew, Rhizoc, Anthrac)
	3. Protect™	1 lb.	At 21 days	Botrytis
	4. Decree®	1.5 lb.	27 days	Botrytis (rated as one of the better controls for Botrytis per Ann Chase)
	5. Affirm™ WDG	.5 lb.	35 days	Botrytis, Anthracnose, Downy Mildew, Powdery Mildew, Rhizoctonia

POWDERY MILDEW				
Category	Treatment	Rate per 100 gal.	When	Main Target/Other Targets
Action plan with Powdery Mildew rotation	1. Cease®	2.5 gal.	0 – 14 days	PM (Anthrac, Phytop, Downy Mildew, Rhizoctonia, Fusarium, Thielaviopsis)
	2. Milstop®	5 lbs.	At 21 days	PM (Anthrac, Botrytis, Downy Mildew)
	3. Milstop®	5 lbs.	At 28 days	PM (Anthrac, Botrytis, Downy Mildew)
	4. Compass® O	2 oz.	At 35 days	PM (Anthrac, Phytop, Downy Mildew, Botrytis, Rhizoc)
Plants that show Powdery Mildew symptoms	1. Protect™ T&O	1 lb	0 – 7 days	PM (Anthrac, Phytop, Downy, Botrytis, Rhizoc)
	2. Compass® O	2 oz	At 7 days	PM (Anthrac, Phytop, Downy, Rhizoc Fusarium, Theilaviopsis)
	3. Daconil®	1.4 pts.	At 21 days	PM (Botrytis)

ROOT ROT				
Category	Treatment	Rate per 100 gal.	When	Main Target/Other Targets
Plants in propagation – Undiagnosed trouble	Medallion®	2 oz	0 and 7 days	Phytophthora/Pythium, Rhizoctonia, Broad spectrum control. ** Do not use on <i>Calibrachoa</i> . **
Plants moving from propagation	OHP 6672™ / Truban®	16 oz. + 8 oz.	Once	Phytophthora/Pythium (OHP: Rhizoctonia, Botrytis, Fusarium) per action plans.
Problem ID'd: Phytopathogen or Pythium	1. Fenstop® drench	14 oz.	0 – 21 days	Phytophthora/Pythium (Rhizoctonia)
	2. Banrot® drench	4 oz.	At 21 days	Phytophthora/Pythium (Downy Mildew) two modes of action (MOAs), very effective control.
	3. Alude™ drench	12 oz.	At 35 days	Phytophthora/Pythium
Preventative drench	1. Cease®	8 qts.	7 – 14 days	Phytop/Pythium (biweekly on ColorChoice® shrubs)



### EFFECTIVE CHEMICALS IN 3 DIFFERENT MOA CLASSES

Bacterial Blight	Coppers, Protect™, Medallion®, Agri-Mycin®, Cease®
Crown Rot	Pageant®, Companion®, Cease®, Alude™, Fenstop®, done as sprays
Downy Mildew	Alude™, Coppers, Pipron®, Orvego™, Micora™, Strobilurins
Erwinia	Dumping the crop, Camelot™, Phytan®, Agri-Mycin®
Fusarium	OHP™, Medallion®, Heritage®
Leaf Spot	Heritage®, Spectro™, Pageant®, Palladium™, Cease®, Terraguard®
Rhizoctonia	Medallion®, OHP™ 6672, Pageant®, Compass®, Heritage®
Rhodo/Agro	Protect™ T&O, Coppers, Agri-Mycin®
Thielaviopsis	OHP™ 6672, Banrot®, Truban®

- Do not use Truban® or etridiazole on *Clematis*.



*The rates and chemicals listed are based on our southeast Michigan growing conditions, and are not recommended for nationwide application. Please adjust the rates and spray applications to your location and facility.*