

# BASF Foundational Fungicide Program Foliar and Stem Blights Diseases

### **Production Ornamentals 8-10 Weeks of Protection**

Target	Rotation 1	Rotation 2	Rotation 3	Rotation 4	
Anthracnose and Leaf	spots <sup>1</sup>				
Preventive	<b>Orkestra™ Intrinsic</b> ® brand fungicide 8 fl oz	Chipco 26019 Flo	Medallion	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	
Early curative	Daconil or Dithane or Protect		<b>Trinity SC</b> fungicide 10 fl oz	<b>Orkestra Intrinsic</b> brand fungicide 10 fl oz	
	Apply solo then follow with of fungicide 10 floz within 4-7 application		Chipco 26019 Flo or 3336 or Spectro 90 or mancozeb-based product		
Prior to shipping	Pageant® Intrinsic brand f	ungicide 12 oz			
Botrytis blight, Flower I	olight, Petal blight and Stem	blights/rots <sup>2</sup>			
Preventive	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	Chipco 26019	Medallion	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	
Early curative	Daconil or Spectro 90 or chlorothalonil-based product	<b>Orkestra Intrinsic</b> brand fungicide 10 fl oz	Spectro 90 or Chipco 26019 Flo or Medallion	<b>Orkestra Intrinsic</b> brand fungicide 10 fl oz	
Prior to shipping	Pageant Intrinsic brand fu	ngicide 12 oz			
Downy Mildews					
Preventive	<b>Stature® SC</b> fungicide 6.12 fl oz	Segway O or Adorn or Aliette	<b>Stature SC</b> fungicide 6.12 fl oz	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	
Early curative	Mancozeb + <b>Stature SC</b> fungicide 12.25 fl oz	Dithane or Protect (Mancozeb) + Aliette	<b>Stature SC</b> fungicide 12.25 fl oz	<b>Orkestra Intrinsic</b> brand fungicide 10 fl oz	
Prior to shipping	Stature SC fungicide 12.25 or Pageant Intrinsic branc				
Powdery Mildews					
Preventive	<b>Orkestra Intrinsic</b> brand fungicide 6 fl oz	Palladium	<b>Trinity® SC</b> fungicide 10 fl oz	Orkestra Intrinsic brand fungicide 6 fl oz	
Early curative	Dithane or Protect + <b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	<b>Trinity SC</b> fungicide or Terraguard	Palladium (+ Dithane or Protect)	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz				
Curative	<b>Ultra-Pure® Oil</b> from BASF is labeled for Powdery mildews and can be used anytime through production in conditions where humidity is below 85%. This is a contact on active powdery providing control and leaf shine to the plants.				
Rusts					
Preventive	<b>Orkestra Intrinsic</b> brand fungicide 6-8 fl oz	Dithane or Protect	Terraguard	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	
Early curative	Dithane or Protect + Terraguard	<b>Orkestra Intrinsic</b> brand fungicide 10 fl oz	Camelot O, copper based product or Dithane or Protect	<b>Orkestra Intrinsic</b> brand fungicide 10 fl oz	
Prior to shipping	Pageant Intrinsic brand fu	ingicide 12 oz			

Target	Rotation 1	Rotation 2	Rotation 3	Rotation 4
	s and Soilborne Diseases dium, Rhizoctonia, Fusarium	, Sclerotinia, Sclerotium an	d Thielaviopsis <sup>3,4</sup>	
Preventive	<b>Orkestra Intrinsic</b> brand fungicide 6-8 fl oz	Medallion	Clearys 3336 or OHP 6672	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz
Early curative	Terraguard + Daconil	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz	Spectro 90	<b>Orkestra Intrinsic</b> brand fungicide 8 fl oz
Prior to shipping	Pageant Intrinsic brand fu	ungicide 12 oz		
Diseases caused by Py	rthium spp.			
Preventive and early curative	Segway O	Empress Intrinsic brand fungicide 3-6 fl oz (Drench) or Orkestra Intrinsic brand fungicide 8-10 fl oz (Foliar/Drench)	Banol	Segway O
Early curative	Terrazole or Truban	Segway O	Terrazole or Truban	Empress Intrinsic brand fungicide 3-6 fl oz (Drench) or <b>Orkestra Intrinsic</b> brand fungicide 8-10 fl oz (Foliar/Drench)
Prior to shipping	Pageant Intrinsic brand fu	ungicide 12 oz		
Diseases caused by Pl	hytophthora spp.			
Preventive and early curative	<b>Orvego</b> ® fungicide 11-14 fl oz	Aliette	<b>Orvego</b> fungicide 11-14 fl oz	Segway O
Early curative	Terrazole or Truban	Segway O	Terrazole or Truban	Empress Intrinsic brand fungicide 3-6 fl oz (Drench) or <b>Orkestra Intrinsic</b> brand fungicide 8-10 fl oz (Foliar/Drench)
Prior to shipping	Pageant Intrinsic brand fu	ungicide 12 oz		
Bacterial diseases <sup>4</sup>				
Bacterial preventive	Junction, Camelot O or Phyton 27 <sup>5</sup>	Cease	Junction, Camelot O or Phyton 27 <sup>5</sup>	Cease
Bacterial curative	Junction <sup>5</sup>	Camelot O or Phyton 27 <sup>5</sup>		
Prior to shipping	Camelot O or Phyton 27 <sup>5</sup>	Use of Camelot O, Junction, Mancozeb or Phyton 27 prior to shipping – <i>Residues will be a concern</i> – check labels and do your own test to determine what can be used that is acceptable. Consider <b>Pageant Intrinsic</b> brand fungicide to protect plants from any fungal disease that could occur.		

<sup>&</sup>lt;sup>1</sup> See label for specific leaf spots to adjust rate.

<sup>&</sup>lt;sup>2</sup> Not all labels control all stem blights and rots. Please consult label of the products you choose for this recommended rotation.

<sup>&</sup>lt;sup>3</sup> Not all labels control all crown/basal and soilborne pathogens. Please consult label of the products you choose for this recommended rotation.

<sup>&</sup>lt;sup>4</sup> Consult the label for specific disease and pathogen and the rate recommended for the intended use.

<sup>&</sup>lt;sup>5</sup> Read specific label and determine if plant safety matches the plants you are growing – conditions of your crop at time of application. These recommendations would need to be tested in your growing conditions and on specific crop/disease.

## **BASF Recommendation for Unrooted Cuttings, Liners and Young Plant Development in Propagation**

Initial Application	Sequential Application As Needed	Sequential Application As Needed	Apply at Transplanting
At sticking			
Pageant® Intrinsic® brand fungicide 6 oz	14 days later: <b>Pageant Intrinsic</b> brand fungicide 6oz	7 days later: Chipco 26019 Flo	Empress® Intrinsic brand fungicide 3 fl oz
To Rooted Liners or Plugs			
Empress® Intrinsic brand fungicide 3 fl oz	Apply Segway O, Banrot or Medallion		Reapply <b>Empress Intrinsic</b> brand fungicide 3 fl oz prior to transplanting

### **Dilution Tables\***

**Pageant Intrinsic** brand fungicide (1.0 ounce = 28.35 gram)

Use Rate (oz product) / 100 gal	Spray Volume Rate (g) – / 100 gal	Pageant Intrinsic brand fu / 50 gal	ngicide / 10 gal	/ 2 gal
6 oz	170 g	85 g	17 g	3 g
8 oz	227 g	114 g	23 g	5 g
12 oz	341 g	171 g	34 g	7 g
16 oz	454 g	227 g	46 g	9 g

### Empress Intrinsic brand fungicide (29.57 mL = 1.0 fl ounce)

Use Rate (fl oz product) / 100 gal	Spray Volume Rate (mL) / 100 gal	– Empress Intrinsic brand / 50 gal	fungicide / 10 gal	/ 2 gal
2 fl oz	59 mL	30 mL	6 mL	1 mL
3 fl oz	89 mL	44 mL	9 mL	2 mL
4 fl oz	118 mL	59 mL	12 mL	2.4 mL
6 fl oz	177 mL	89 mL	18 mL	4 mL

<sup>\*</sup> Rates are rounded to nearest whole number.

Always read and follow label directions.

Non-BASF products are included in this guide to provide a rotation of products with known efficacy, good plant safety and different modes of action. Always evaluate products that are new to your operation for safety on the plant species and cultivars you grow, and under your specific growing conditions prior to large-scale application.

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