



We create chemistry

BASF Foundational Fungicide Program

Specific Target Diseases

Foliage and Woody Ornamentals

Nursery and greenhouse growers rely on BASF to provide innovative solutions for their most pressing challenges. To protect crops throughout the plant production cycle, the BASF Foundational Fungicide Programs recommend products that control key diseases and boost plant health. From propagation to shipping, **Intrinsic**® brand fungicides from BASF deliver superior disease and stress protection under a well-planned program for resistance management. The result is healthy, high-quality plants that shine on retail shelves.

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 spots¹				
Preventive	Orkestra™ Intrinsic® brand fungicide 8 fl oz	Chipco 26019 Flo	Medallion	Orkestra Intrinsic brand fungicide 8 fl oz
Early curative	Daconil or Dithane or Protect solo Apply solo then follow with Orkestra Intrinsic brand fungicide 10 fl oz within 4-7 days after the contact application		Trinity SC fungicide 10 fl oz Chipco 26019 Flo or 3336 or Spectro 90 or mancozeb-based product	Orkestra Intrinsic brand fungicide 10 fl oz
Prior to shipping	Pageant® Intrinsic brand fungicide 12 oz			
Botrytis blight, Flower blight, Petal blight and Stem blights/rots²				
Preventive	Orkestra Intrinsic brand fungicide 8 fl oz	Chipco 26019	Medallion	Orkestra Intrinsic brand fungicide 8 fl oz
Early curative	Daconil or Spectro 90 or chlorothalonil-based product	Orkestra Intrinsic brand fungicide 10 fl oz	Spectro 90 or Chipco 26019 Flo or Medallion	Orkestra Intrinsic brand fungicide 10 fl oz
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz			
Downy Mildews				
Preventive	Stature® SC fungicide 6.12 fl oz	Segway O or Adorn or Aliette	Stature SC fungicide 6.12 fl oz	Orkestra Intrinsic brand fungicide 8 fl oz
Early curative	Mancozeb + Stature SC fungicide 12.25 fl oz	Dithane or Protect (Mancozeb) + Aliette	Stature SC fungicide 12.25 fl oz	Orkestra Intrinsic brand fungicide 10 fl oz
Prior to shipping	Stature SC fungicide 12.25 fl oz or Pageant Intrinsic brand fungicide 12 oz			
Powdery Mildews				
Preventive	Orkestra Intrinsic brand fungicide 6 fl oz	Palladium	Trinity® SC fungicide 10 fl oz	Orkestra Intrinsic brand fungicide 6 fl oz
Early curative	Dithane or Protect + Orkestra Intrinsic brand fungicide 8 fl oz	Trinity SC fungicide or Terraguard	Palladium (+ Dithane or Protect)	Orkestra Intrinsic brand fungicide 8 fl oz
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz			
Curative	Ultra-Pure® Oil 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	Orkestra Intrinsic brand fungicide 6-8 fl oz	Dithane or Protect	Terraguard	Orkestra Intrinsic brand fungicide 8 fl oz
Early curative	Dithane or Protect + Terraguard	Orkestra Intrinsic brand fungicide 10 fl oz	Camelot O, copper based product or Dithane or Protect	Orkestra Intrinsic brand fungicide 10 fl oz
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz			

Always read and follow label directions.

Target	Rotation 1	Rotation 2	Rotation 3	Rotation 4
Crown Rots, Basal Rots and Soilborne Diseases caused by <i>Cylindrocladium</i>, <i>Rhizoctonia</i>, <i>Fusarium</i>, <i>Sclerotinia</i>, <i>Sclerotium</i> and <i>Thielaviopsis</i>^{3,4}				
Preventive	Orkestra Intrinsic brand fungicide 6-8 fl oz	Medallion	Clearys 3336 or OHP 6672	Orkestra Intrinsic brand fungicide 8 fl oz
Early curative	Terraguard + Daconil	Orkestra Intrinsic brand fungicide 8 fl oz	Spectro 90	Orkestra Intrinsic brand fungicide 8 fl oz
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz			
Diseases caused by <i>Pythium</i> 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 Orkestra Intrinsic brand fungicide 8-10 fl oz (Foliar/Drench)
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz			
Diseases caused by <i>Phytophthora</i> spp.				
Preventive and early curative	Orvego® fungicide 11-14 fl oz	Aliette	Orvego 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 Orkestra Intrinsic brand fungicide 8-10 fl oz (Foliar/Drench)
Prior to shipping	Pageant Intrinsic brand fungicide 12 oz			
Bacterial diseases⁴				
Bacterial preventive	Junction, Camelot O or Phyton 27 ⁵	Cease	Junction, Camelot O or Phyton 27 ⁵	Cease
Bacterial curative	Junction ⁵	Camelot O or Phyton 27 ⁵		
Prior to shipping	Camelot O or Phyton 27 ⁵	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 Pageant Intrinsic brand fungicide to protect plants from any fungal disease that could occur.		

¹ See label for specific leaf spots to adjust rate.

² Not all labels control all stem blights and rots. Please consult label of the products you choose for this recommended rotation.

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

⁴ Consult the label for specific disease and pathogen and the rate recommended for the intended use.

⁵ 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.

Always read and follow label directions.

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: Pageant Intrinsic 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 Empress Intrinsic 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) — Pageant Intrinsic brand fungicide			
	/ 100 gal	/ 50 gal	/ 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) — Empress Intrinsic brand fungicide			
	/ 100 gal	/ 50 gal	/ 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

* 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.

Orkestra is a trademark, and Empress, Intrinsic, Orvego, Pageant, Stature, Trinity and Ultra-Pure are registered trademarks of BASF. Aliette, Banol, and Chipco are registered trademarks of Bayer Environmental Science. Cease is a registered trademark of BioWorks, Inc. Protect is a trademark, and 3336 and Spectro are registered trademarks of Cleary Chemical LLC. Segway is a registered trademark of Ishihara Sangyo Kaisha, Ltd. OHP 6672 is a trademark, and Terraguard and Terrazole are registered trademarks of OHP, Inc. Phytan 27 is a registered trademark of Phytan Corporation. Banrot and Truban are registered trademarks of Scotts Sierra Crop Protection Company. Junction and Camelot are registered trademarks of SePRO Corporation. Daconil, Medallion, Taegro and Palladium are registered trademarks of Syngenta Crop Protection, LLC. Adorn is a registered trademark of Valent USA LLC Professional Products.

© 2018 BASF Corporation. All rights reserved.

PSS 18-30-461 01/18