



We create chemistry

BASF Foundational Fungicide Program

Empress® Intrinsic® brand fungicide

Use on Plugs, Rooted Cuttings or
Rooted Liners in Propagation

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 and protocols that control key diseases and boost plant health. From propagation to shipping, **Intrinsic®** brand fungicides from BASF deliver greater disease resistance, stress tolerance and growth efficiency. The result is healthy, high-quality plants that shine on retail shelves.

Empress® Intrinsic® brand fungicide

Use on Plugs, Rooted Cuttings or Rooted Liners in Propagation

Products, rates and intervals shown are recommended to control disease in young plants and stimulate plant health for longer, stronger roots. Greater numbers of root initials and feeder roots result in better branching in the canopy as well as a better rootball. Overall, enhanced plant health leads to greater plant survival, from propagation to finished plant.

BASF **Intrinsic** brand fungicides deliver preventive disease protection and plant health. Diseases controlled include: *Fusarium*, *Rhizoctonia*, *Pythium* and *Phytophthora*.

6-7 Weeks of Coverage from Root Development to Transplant

Young Plant Development ¹	Young Plant Development	Prior to Transplant ¹
Empress Intrinsic brand fungicide	Segway O or Medallion or Banrot	Empress Intrinsic brand fungicide
3 fl oz	SLR (Standard Label Rate)	3 fl oz

- All product rates shown are per 100 gallons.
- Product rates are based on preventive applications; adjust rates and intervals to conditions for disease development. Additional sprays may be necessary depending on disease spectrum. Rotate chemistries for best program performance.
- Refer to product labels and recommendations for additional instructions.
- For additional *Pythium* and *Phytophthora* spp. protection, apply Segway O fungicide at 3 fl oz alternating with **Empress Intrinsic** brand fungicide, or tank mix 3 fl oz of **Empress Intrinsic** brand fungicide with 1.5 fl oz of Segway O.
- For *Erwinia* spp. or other bacterial diseases, use Junction or copper followed by Cease or Rhapsody.

Dilution Table*

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 fungicide		
		/ 50 gal	/ 10 gal	/ 2 gal
2 oz	59 mL	30 mL	6 mL	1 mL
3 oz	89 mL	44 mL	9 mL	2 mL
4 oz	118 mL	59 mL	12 mL	2.4 mL
6 oz	177 mL	89 mL	18 mL	4 mL

* Rates are rounded to nearest whole number.

¹ This economical application, made in the original container prior to transplanting, saves time and labor by treating a smaller area and less media. Less fungicide is also needed to provide the same protection from soilborne diseases.

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.