

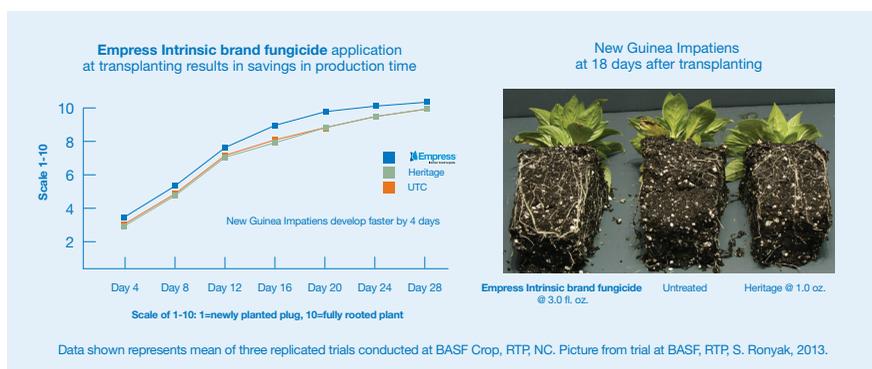
Empress™ Intrinsic™ brand fungicide

BASF
The Chemical Company

New, effective drench fungicide for soil-borne diseases as well as plant health benefits.

Empress™ Intrinsic™ brand fungicide provides disease protection for four root and crown pathogens for greenhouse and nursery growers. Disease control and plant health benefits are based on the active ingredient pyraclostrobin. The utility of this product is disease control at the time when you need consistency of plant growth along with resilience to stresses that can occur in production.

Plant Health Trial



Key Features & Benefits

- Outstanding control of soil-borne diseases
- Stronger and enhanced root growth
- Consistent performance
- Faster plant development

Diseases Controlled

- Fusarium species such as *F. oxysporum* and *F. solani*
- Phytophthora species such as *P. cinnamomi*, *P. nicotianae*, *P. parasitica*
- Pythium species such as *P. aphanidermatum*, *P. irregulare*, *P. myriotylum*
- Rhizoctonia spp. such as *R. solani*



Use Sites: Greenhouses, lathhouses and shadehouses, interiorscapes, outdoor nurseries (field and container), retail nurseries

Formulation: 23.8% SC (soluble concentrate)

Packaging: 24 oz. bottle (6 x 24 oz. case)

Active Ingredient: Pyraclostrobin

Chemical Family: Strobilurin, Group 11

Mode of Action: Affects the QoI site in fungal cell mitochondria, inhibiting electron transport and respiration, resulting in cessation of fungal growth.

Behavior in Plants: Acts as a local penetrant with translaminar movement to protect crown and roots of the plant following drench application.

Use Rates: 1.0–6.0 fl. oz. per 100 gal.

Signal Word: **WARNING**

REI: 12 hours

PPE: Long-sleeved shirt and long pants, chemical-resistant gloves of waterproof material, shoes plus socks.

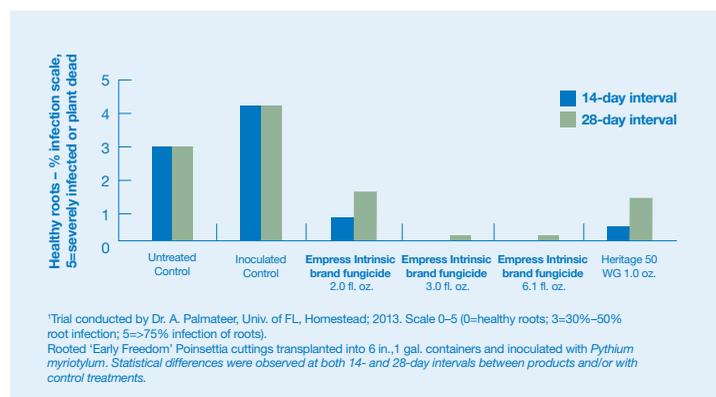
Empress™
Intrinsic™ brand fungicide

Keys to Success

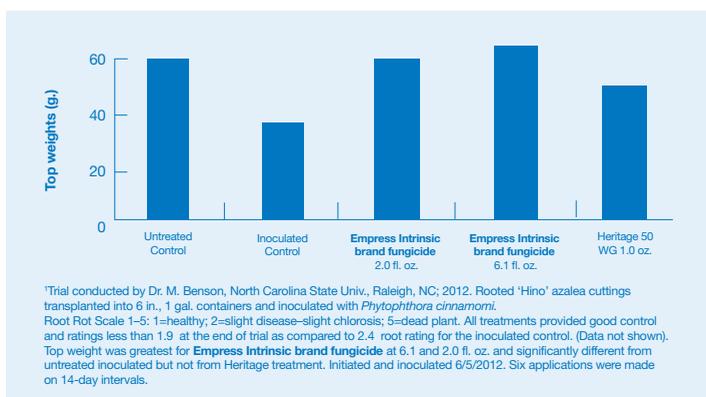
When applying **Empress Intrinsic brand fungicide** for control of root and crown rots in ornamental plants or at transplanting any time during production:

- All applications should be made as preventative drench fungicide treatments.
- Make application by directing the spray volume to the soil to provide thorough wetting of the soil surface and movement into the container. Normal drench conditions should be followed at time of application; soil will be adequately irrigated prior to treatment. The drench application should not be made to dry media.
- As a drench application, the ornamental plants should already have an initiated root system — such as plug annuals that have roots and first true leaves or rooted liners that have first true roots. This product is not intended to be used on unrooted cuttings.
- A short irrigation event can be made directly following the drench application to move the product from any leaf surfaces into the soil media. However, any irrigation of long duration should not occur for several hours so as to not dilute the concentration of the fungicide in media surrounding roots.
- For resistance management of **Empress Intrinsic brand fungicide** do not make more than two sequential applications; then rotate to a product with a different mode of action from Group 11 before use of **Empress Intrinsic brand fungicide** again.

Pythium Control and Healthy Roots of Poinsettia



Phytophthora Control and Excellent Plant Growth of Azalea



Best Practices for Use in Ornamentals

Propagation	At Transplant	Production	Shipping
<p>Pageant Intrinsic brand fungicide (foliar diseases)</p> <ul style="list-style-type: none"> • Unrooted cuttings • Seedlings 	<p>Empress Intrinsic brand fungicide (root diseases)</p>	<p>Pageant Intrinsic brand fungicide (foliar diseases)</p>	<p>Pageant Intrinsic brand fungicide (foliar diseases)</p>
<p>Empress Intrinsic brand fungicide (root diseases)</p> <ul style="list-style-type: none"> • Rooted plugs & seedlings • Rooted cuttings 		<p>Empress Intrinsic brand fungicide (root diseases)</p>	

Better plant growth: See the results for yourself when using **Empress Intrinsic brand fungicide** for the first time. Within the first two weeks of the application, you'll observe excellent disease protection and quicker, robust growth of the transplant. Pop a few plants out of the trays and compare the root development between the **Empress Intrinsic brand fungicide** treatment and your standard fungicide. Overall, your plants should be more even in size with greater consistency of growth from the tops to the roots.

Always read and follow label directions.

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