

Insignia[®] Fungicide

 **BASF**
The Chemical Company

A Better Foundation for Reliable Disease Control

Insignia[®] fungicide controls a broad range of ornamental diseases with long-term results. Moreover, **Insignia** has shown excellent residual control on many ornamental diseases, reducing your labor and materials costs and enhancing your peace of mind. When used as directed, **Insignia**:

- Controls key foliar and soil-borne ornamental diseases.
- Delivers excellent plant safety on most ornamentals, including crops in flower.
- Is rainfast within one hour.
- Can be used for preventive control of sudden oak death (*Phytophthora ramorum*) as shown in trials from California and the Pacific Northwest.

Diseases Controlled*

- Anthracnose
- Blossom Blight
- Bulb Rot and Mold
- Crown and Basal Rot
- Downy Mildew
- Leaf Spot
- Powdery Mildew
- Pythium and Phytophthora Aerial Blight
- Rhizoctonia Blight
- Rots
- Rusts
- Scab
- Soil-Borne Diseases



*Consult label for details on any diseases you encounter.

Use Sites:

Ornamentals: Commercial greenhouses, shadehouses, lathhouses and outdoor container- or field-grown nurseries

Turf: Golf courses, residential turf, sod farms, commercial and industrial turf and athletic fields

Noncropland Areas: Recreational areas, cemeteries and other similarly maintained areas

Formulation: 20% WG (Water-Dispersible Granule)

Packaging: 3 x 2.4 lb. jug, 4 x 2.4 lb. jug, 3 x 7.2 lb. case, 1 x 36 lb. drum

Active Ingredient: Pyraclostrobin

Chemical Family: Strobilurin

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

Behavior in Plant: Acts as a penetrant with translaminar movement following foliar applications. Active ingredient is absorbed and held tightly in lipophilic layer and released slowly over time to provide long-term control. Insignia has shown to be active on foliar and root diseases through spray and drench applications (root and crown diseases only).

Use Rates: 2 to 16 oz. per 100 gallons

Signal Word: CAUTION

REI: 12 hours

PPE: Long-sleeved shirt and long pants; chemical-resistant gloves; shoes and socks


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F U N G I C I D E

Insignia Gets Results

EFFICACY ON PHYTOPHTHORA PARASITICA ON SPATHIPHYLLUM Florida

Fungicide Treatment	Rate oz. per 100 gal.	Application Method	DISEASE SEVERITY	
			Rotted Root %	Chlorotic Leaves (%)
Aliette 80 WP	12.8	drench	5.5	4
Insignia 20 WG	16.0	drench	0	1
Stature DM *	6.4	drench	0	0
Subdue MAXX 2E	1.0	drench	1.5	2.5
Untreated Non-inoculated			0	0
Untreated Inoculated			62.0	52

Partial data shown.

Fungicides applied 4 days prior to inoculation

* All treatments provided statistically similar control when compared to the untreated inoculated plants.

Dr. Dave Norman, University of Florida, Apopka, FL, 2005

Keys to Success

Apply foliar spray solution to runoff. Preventive or early curative applications are most effective. Follow proposed resistance management guidelines for no more than two consecutive **Insignia** applications, then rotate to a non-strobilurin (non-group 11 fungicide). Refer to specimen label for additional information.

Control Symptoms

Soon after application, **Insignia** prevents spore germination and germ tube elongation, and mycelium growth is stopped.

Crop Phytotoxicity

Insignia has shown excellent crop safety in a number of research trials.

Refer to product label for a complete list of tested plants. DO NOT expose the following plants to spray of **Insignia** as injury may result: non-bearing grape varieties of Concord, Worden, Fredonia and Niagara, nine bark (*Physocarpus opulifolius*), or to *Impatiens* spp. and *Petunia* spp. when in flower. Users should conduct small-scale tests under local growing conditions prior to wide-scale use. Applications made using organosilicone-based adjuvants should always be tested prior to application since plant sensitivity can occur.



Always read and follow label directions.

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