

Honor® Intrinsic™ Brand Fungicide

BASF
The Chemical Company

A New Fungicide for Disease Control and Plant Health

Honor® Intrinsic™ brand fungicide is a combination of pyraclostrobin, the active ingredient in **Insignia® fungicide**, and boscalid, the active ingredient in **Emerald® fungicide**. This new pre-mix provides two modes of action and delivers unsurpassed control of the top diseases that superintendents battle such as dollar spot, fairy ring, anthracnose, patch diseases (brown, take-all, and summer), leaf spots and many others. **Intrinsic** is a brand of products from BASF that provide disease control and plant health benefits.

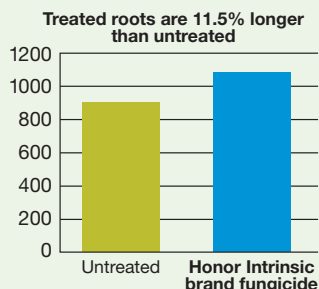
As such, in addition to disease control, **Honor Intrinsic brand fungicide** also offers plant health benefits. Research shows turf treated with **Honor Intrinsic brand fungicide** provides improved plant health in the form of stress management. This includes drought/moisture, temperature extremes and mechanical stress such as aeration.

In addition, research also shows turf treated with **Honor Intrinsic brand fungicide** has increased root length and density. **Intrinsic** brand fungicides prime the immune system of the turfgrass before an event. This helps the plant and root system endure the stress event and overcome the stress through root system retention.

So if you need control of dollar spot and the tough diseases, as well as plant health benefits for your turf, you'll want to use **Honor Intrinsic brand fungicide**.

- Ultimate greens product – effective on target diseases
- Excellent activity on dollar spot and root diseases
- Can be used on fairways to deliver 21- to 28-day control of most diseases
- Two modes of action
- Does not contain a DMI, making it ideal for the summer application period
- No need for a tank mix – one product
- Provides healthier and higher quality turf, especially during stressful periods
- BASF is the first company to have fungicides in the turfgrass market with plant health benefits on the label

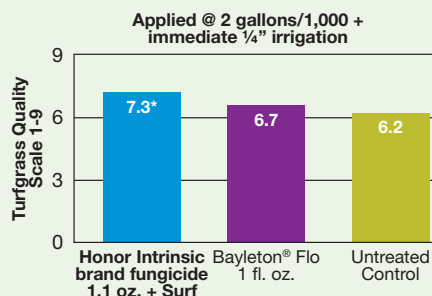
BENTGRASS TOTAL ROOT LENGTH (cm) Under Drought Stress



6 US trials: A-1, Penncross, Colonial and SR1119 creeping bentgrass

CA, IL, TN in 2009

SPRING TIFEAGLE TURFGRASS QUALITY/CONTROL



Clemson Univ., Dr. Bruce Martin; Surfactant = 4 oz./1,000 Magnus; App. 03/30/09 and 04/27/09 with April application at full green-up

* Following 2 applications 2 months later, Honor had significantly better TQ than all treatments.

Use Sites: Golf courses

Formulation: 28% WG

Packaging: 3 lb. container;
6 x 3 lb. case

Active Ingredients: Pyraclostrobin (16.8%) and Boscalid (11.2%)

Use Rates:

- Low: .55 oz.
- Mid: .83 oz.
- High: 1.1 oz.

Signal Word: CAUTION

REI: Wait until sprays have dried

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



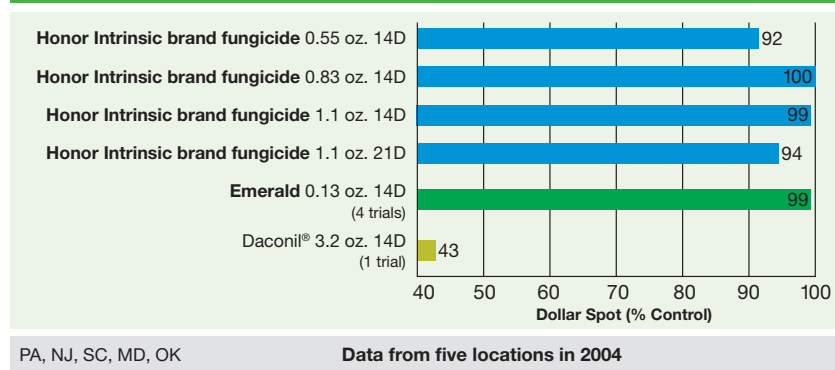
Honor
Intrinsic™ brand fungicide

Keys to Success

For maximum efficacy, **Honor Intrinsic brand fungicide** should be applied prior to or in the early stages of disease development. Apply **Honor Intrinsic brand fungicide** at the labeled rates and intervals. Applications can be repeated at specified intervals and foliage should be dry prior to applying **Honor Intrinsic brand fungicide**.

To improve control of certain diseases, **Honor Intrinsic brand fungicide** may be tank-mixed with other effective fungicides from a different target site group. In fact, **Honor Intrinsic brand fungicide** is compatible with most fungicide, insecticide and fertilizer products, such as **Curalan® EG fungicide** and **Trinity® fungicide**. However, if tank mixes are used, adhere to restrictions due to rates, label recommendations and precautions on all labels. Perform a jar test to determine compatibility.

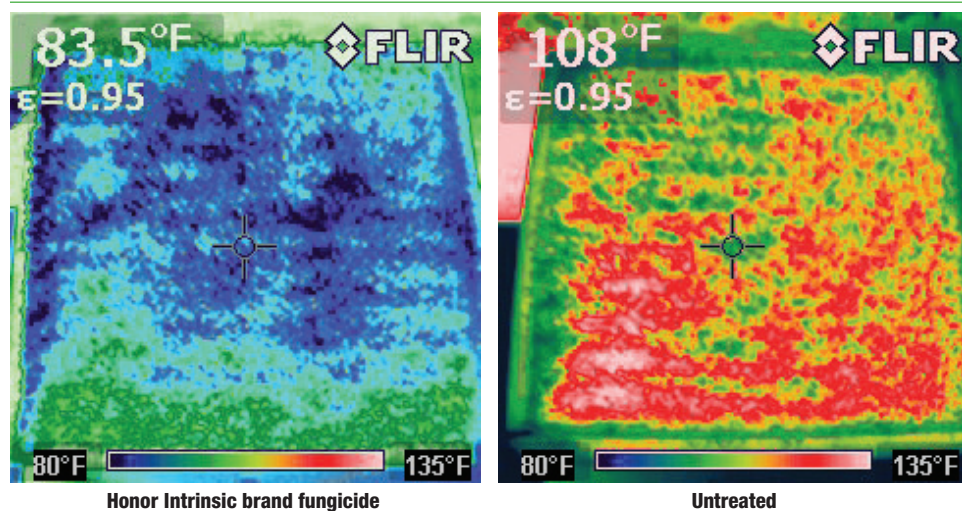
CONTROLLING DOLLAR SPOT WITH HONOR INTRINSIC BRAND FUNGICIDE



Diseases Controlled

- Anthracnose
- Bentgrass Dead Spot
- Bermudagrass Decline
- Brown Patch
- Dollar Spot
- Fairy Ring
- Fusarium Patch
- Gray Leaf Spot
- Gray Snow Mold
- Large Patch
- Leaf Spot
- Melting Out
- Necrotic Ring Spot
- Pink Patch
- Pink Snow Mold
- Powdery Mildew
- Pythium Blight
- Pythium Root Dysfunction
- Rapid Blight
- Red Thread
- Rhizoctonia Leaf or Sheath Blight
- Rust
- Summer Patch
- Take-all Patch
- Yellow Tuft

INFRARED PHOTOGRAPHY AFTER SIX DAYS OF DROUGHT ON BENTGRASS TURF SHOWS A 24.5° F DIFFERENCE IN CANOPY TEMPERATURE



The Honor Intrinsic brand fungicide treated turf is able to tolerate the drought stress and cool itself through normal evapotranspiration. The untreated turf shuts down, not allowing for normal cooling, causing an elevation in canopy temperature.

Average Temperature of Canopy - Photos Taken on Same Date.
Trial Work in Center Valley, CA - 2010. Photo courtesy of Buzz Uber.

Always read and follow label directions.

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