







Gozons

UPERthrive

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# What is Pageant Intrinsic?



- Why did we go from Pageant to Pageant?
- We support our plant disease message
  - Pageant Intrinsic is the broadest spectrum ornamentals fungicide
  - Pageant Intrinsic offers effective control of the four major fungi groups
  - Pageant Intrinsic consists of two ai's: boscalid & pyraclostrobin
  - Pageant Intrinsic is exactly the same fungicide as Pageant
- Disease control research came first
- Plant health research followed
  - We refer all of our products with plant health benefits as 'Intrinsic'



# The history of Pageant Intrinsic



### **Disease Control First**

















### **Plant Health Second**







# **Basic plant health points**

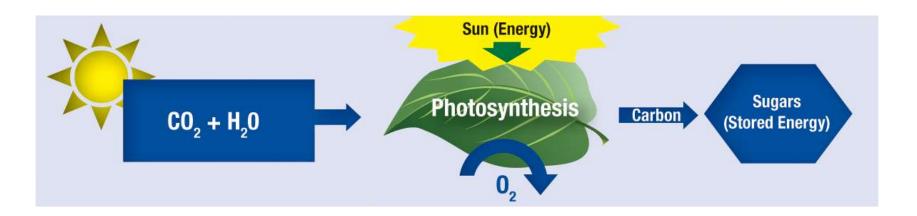


- 1. Plant health effects were first noticed on grain crops
- 2. It was discovered that plant health is tied to pyraclostrobin
- 3. Aside from being an excellent fungicide, pyraclostrobin affects plant metabolism in a positive way
- 4. These subtle, important metabolic changes help the plant through stressful events
- 5. Pyraclostrobin must be applied prior to the stress event



## Pageant Intrinsic preserves energy

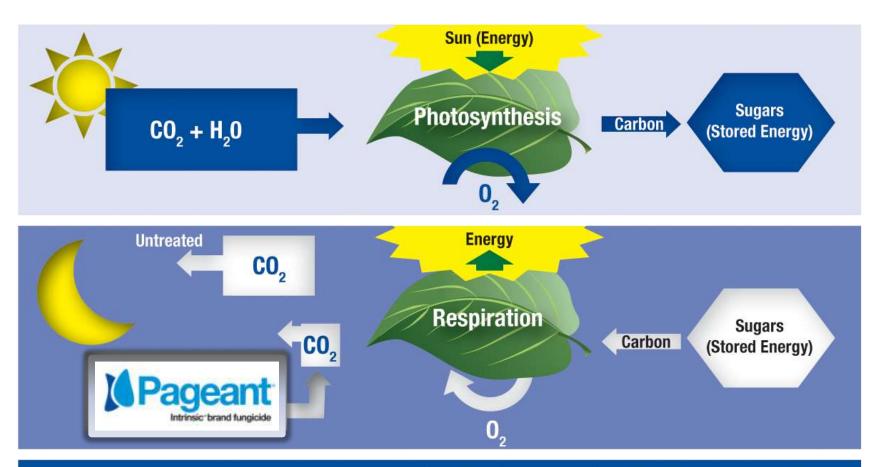
The Chemical Company





### Pageant Intrinsic preserves energy

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**Keeps More Energy (Sugars) for Plant Growth** 



# Pageant Intrinsic benefits the plant

Inhibits Electron Transport **Reduces Plant Stress** Increases **Reduces Stress Activates Plant** Antioxidative **Induced Ethylene** Defense Responses<sup>†</sup> Capacity Mitochondria Plants Fungi Nitric Oxide (NO) Activates Low Cellular Nitrate ATP Levels **Increases Plant** Reductase **Growth Efficiency** Increases Nitrate Nitrite Increases Net **Carbon &** Nitrogen Photosynthesis Assimilation

#### **Pyraclostrobin**



\*red lines indicate inhibition of pathway or process \*\*blue arrows indicate activation of pathway or process <sup>†</sup>Increased tolerance to bacterial and viral infections

- BASF The Chemical Company

## Pageant Intrinsic benefits to the plant

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- Pageant Intrinsic improves CH<sub>2</sub>O utilization
- Pageant Intrinsic increases N assimilation
- Pageant Intrinsic reduces ethylene production during stress
- Pageant Intrinsic increases anti-stress compounds
- Pageant Intrinsic activates plant defense responses
- Responses differ by plant species and varieties
- Stress conditions trigger visible results



# **Pageant Intrinsic is science-based**

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## **Plant health claims**



- Pageant Intrinsic claims are EPA approved
- Impatiens, petunia, geranium and pansy are the only species fully vetted
- These were selected on the basis of their widespread use and susceptibility to stresses in retail centers & landscapes
- Other plant species are being evaluated
- It is likely many ornamental species will show a response





Fuchsia plants: Untreated, treated with Heritage<sup>®</sup> fungicide and treated with **Pageant<sup>®</sup> Intrinsic<sup>™</sup> brand fungicide**. **Pageant Intrinsic** and Heritage were applied 2 days prior to start of the experiment. Plants were watered on day 1 and again on day 9 to simulate drought stress and demonstrate recovery after irrigation.

**Pageant Intrinsic** was applied at an experimental, unlabeled rate of 3.25 oz. / 100 gal. to determine if this low rate would also demonstrate plant health benefits. Heritage was applied at the standard rate of 2.0 oz. / 100 gal. Always use **Pageant Intrinsic** as a fungicide first for disease control and always read and follow label directions.







