

# ASTUN<sup>®</sup>

## Ornamental Fungicide



A FUNGICIDE FOR EFFECTIVE, PREVENTATIVE CONTROL OF BOTRYTIS CINEREA (GRAY MOLD) ON ORNAMENTALS

### Product Information Bulletin

158

## GENERAL INFORMATION

**ASTUN<sup>®</sup>** is a fungicide with preventative, systemic, and curative properties for control of botrytis on plants grown in commercial greenhouses and nurseries.

**ASTUN** is most effective when used as a protectant fungicide and applied before the disease damages the crop.

Depending on disease risk and severity, users may expect protection for a period of 7 to 14 days after treatment.

**ASTUN** contains 3.33 pounds of isofetamid per gallon (400 grams per liter).

**Common Name:** Isofetamid

**Class:** SDHI

ISOFETAMID	GROUP	7	FUNGICIDE
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**Packaging:** 1 quart (32 fl. oz.), 4 per case

## RESTRICTED ENTRY INTERVAL AND SIGNAL WORD

**REI:** 12 hours

**Signal Word:** Caution

## PERSONAL PROTECTION EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

## MODE OF ACTION

**ASTUN** is a member of the SDHI (Succinate dehydrogenase inhibitors) class, MOA group 7. It affects the mitochondrial transport chain.

## USE SITES

**ASTUN** may be applied to ornamentals and bedding plants grown in greenhouses, and outdoor nurseries.

## DISEASES CONTROLLED

*Botrytis cinerea* (Gray mold)

## BENEFITS OF ASTUN

- Preventative, systemic and curative
- Rapid rain-fastness allows for efficient foliar applications.
- Foliar applications
- Protects against botrytis
- Excellent rotational solution as part of a botrytis control program.
- Easy-to-use flowable suspension concentrate formulation allows the user to custom mix their preferred tank mix partner depending on the diseases present.

## APPLICATION AND RATES

**Foliar spray:** Applications of fungicides should begin when conditions are favorable for disease development or when plants first exhibit disease symptoms, from germination to mature crop. Use another fungicide with a different mode of action after two **ASTUN** applications.

### *Botrytis cinerea* (Gray Mold)

**Rate:** 10 to 17 fl. oz. per 100 gallons 7 to 14 day interval.

Do not make more than two consecutive applications of **ASTUN** or other Group 7 containing fungicides before rotating to a registered fungicide with a different mode of action.

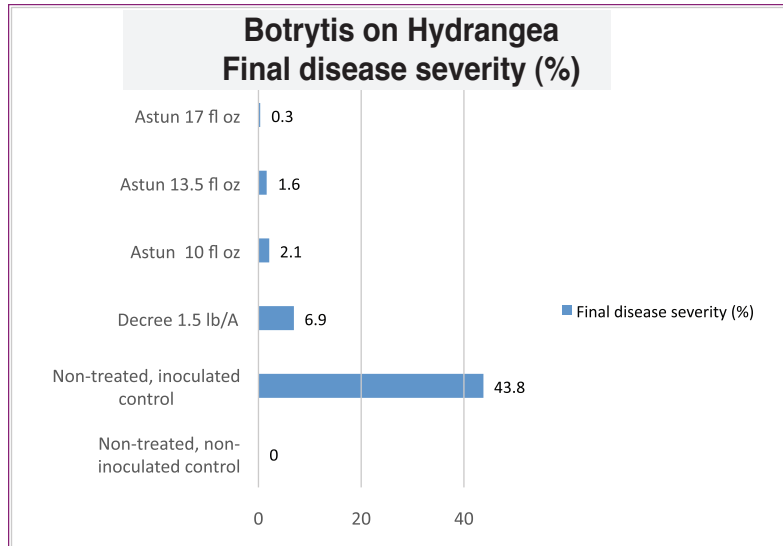
**NOTE:** Applications should be made prior to disease development and should be made in conjunction with good cultural management practices. Use the higher rate when disease risk is high.

Under some conditions, the use of adjuvants and/or surfactants may improve performance.

**ASTUN** may not be used through pressurized drip (trickle) systems or micro-irrigations systems such as spaghetti-tube or individual tube irrigation, or ebb and flow systems.

## TANK MIXING

To determine the physical compatibility of **ASTUN** with any other product, use a small container to mix a small amount of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develops, do not use and discard. Indications of physical incompatibility usually appear within 5-15 minutes of mixing.



*Baysal-Gurel, F. 2016 TN State University*

## OHP Products Labeled for Control of Botrytis

OHP Products	Chemical Class	MOA Group	Residual	REI
<b>Astun®</b>	SDHI	7	7 to 14 days	12
<b>OHP Chipco® 26019</b>	Dicarboximides	2	7 to 14 days	12
<b>OHP 6672® 50WP</b> or <b>OHP 6672® 4.5F</b>	Benzimidazoles	1	7 to 14 days	12
<b>Triathlon® BA</b>	Biofungicide	unknown	7 to 14 days	4

## OHP Suggested Recipe for Botrytis Control

Application	Rate per 100 gallons	Rate per gallon	Remarks
1. <b>Astun®</b>	13.5 fl. oz.	4.0 mL	After 2 consecutive sprays rotate to another fungicide with a different MOA.
2. <b>OHP Chipco® 26019</b>	1 lbs.	4.5 grams	Use shorter intervals under heavy disease pressure.
3. <b>Triathlon® BA</b>	4 quarts	38 mL	Use shorter intervals under heavy disease pressure.
4. <b>OHP 6672® 50WP</b> or <b>OHP 6672® 4.5F</b>	16 oz. 14.5 fl. oz.	3 tsp (WP) 4.5 grams 1 tsp (F) 4.35 mL	Addition of a spreader sticker additive may improve control.
5. Program remarks	Repeat spray program if disease or conditions continue.		Under high disease pressure a spray interval of no more than 7 days is suggested. Under lighter pressure schedule may be reduced to 14 days.

Use of Astun according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the container of Astun. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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