

# FENSTOP™

FUNGICIDE

SPECIMEN LABEL

**A Fungicide Used for the Prevention and Control of Certain Diseases of Commercially Grown Ornamentals in Greenhouses. Not for Residential Use.**

**ACTIVE INGREDIENT:**

Fenamidon: (5S)-3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino)-4H-imidazol-4-one ..... 44.4%

**INERT INGREDIENTS:** ..... 55.6%

**TOTAL:** ..... 100.0%

Equivalent to 500 g/L or 4.13 lbs. active ingredient per gallon.

**EPA Est. indicated by second and third digits of the batch number on this package.**

**(65) = 432-TX-1 (03) = 3125-MO-1**

**EPA Reg. No. 432-1389-59807**

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

**For TRANSPORTATION Emergencies ONLY Call 24 Hours a Day 1-800-424-9300**

**For MEDICAL and PRODUCT USE Information Call 1-800-356-4647**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Harmful if inhaled. Avoid breathing spray mist. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Remove contaminated clothing and wash before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear. Remove contaminated clothing and wash before reuse.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>For MEDICAL Emergencies Call 24 Hours A Day 1-800-356-4647.</p> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	

#### USER SAFETY RECOMMENDATIONS

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**Note to Physician:** Possible mucosal damage may contraindicate the use of gastric lavage. May pose an aspiration pneumonia hazard.

**Net Contents: 1 Quart (946mL)**



## ENVIRONMENTAL HAZARDS

This pesticide is moderately to highly toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Drift or run-off from treated areas is hazardous to fish and aquatic invertebrates in neighboring areas.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

**Read entire label before using this product.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.**

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear.

## GENERAL INFORMATION

**FENSTOP** is a sprayable, broad-spectrum foliar fungicide for control of certain plant diseases of ornamentals. It can be applied as a drench or foliar application to greenhouse grown ornamental plants. Use of **FENSTOP** should be integrated into an overall disease, pest management, or IPM program. **FENSTOP** may be used with disease forecasting or Extension advisory programs, which recommend application timings, based on environmental factors favorable to disease development.

Applications may be made at the longer spray intervals or lower rates under low to moderate disease pressure while the higher rates in the rate range or shorter spray intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when disease conducive environmental conditions exist. FAILURE TO FOLLOW THE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, AND/OR CROP INJURY.

### Fungicide Resistance Statement

OHP, Inc encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the particular crop and use area. Consult your local or state agricultural authorities for resistance management strategies that are complimentary to those in this label. Resistance management strategies may include rotating and/or tank-mixing with products having different modes of action or limiting the total number of applications per season.

**FENSTOP** is an imidazolinone fungicide that exhibits no known cross resistance to fungicide chemistry such as sterol inhibitors, dicarboximides, benzimidazoles, anilinopyridines or phenylamides.

**FENSTOP** is an inhibitor of the Qo (quinone outside) site within the electron transport system (QOI inhibitor) in several plant pathogenic fungal species. **FENSTOP** does exhibit cross-resistance, in certain plant pathogenic fungi, to fungicides of the QOI group; this includes certain strobilurin compounds such as azoxystrobin and trifloxystrobin.

Do not use a fungicide from The QOI group for more than 1/2 of the total sprays in any one season. Do not use a QOI fungicide for more than 3 sequential applications or more than 6 times per season (including in mixtures). Avoid alternation of **FENSTOP** with other fungicides in the QOI group.

## HOW TO USE FENSTOP

### Ground Application

Apply in a minimum of 15 gallons of water per acre. Thorough uniform coverage is essential for effective disease control.

### Mixing instructions

Prepare no more spray mixture than is needed for immediate operation. Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding the required amount of **FENSTOP**. Continue agitation while filling the tank to ensure thorough mixing. Maintain agitation during application and apply with properly calibrated application equipment. Do not allow spray mixture to stand overnight or for prolonged periods. A high quality spreader/sticker, approved for use on growing crops, should be used with **FENSTOP**. **FENSTOP** should be added to the tank before the addition of any adjuvant. Consult the adjuvant label or manufacturer for crop tolerance and safety information when used with **FENSTOP**.

## CHEMIGATION INFORMATION

Apply this product only through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Pesticide supply tanks are recommended for the application of this product. See label instructions for dilution use rates and timing of application. Agitate continuously during application.

## OVERHEAD, MICROJET, OR DRIP IRRIGATION APPLICATION

**FENSTOP** alone or in tank mixture with other pesticides which are registered for overhead, microjet, or drip application may be applied in irrigation water at rates recommended on this label. Follow the label directions for the most restrictive of label limitations and precautions. This product cannot be mixed with any product containing a label prohibition against such mixing. Apply this product only through an overhead, microjet, or drip irrigation system. Do not apply this product through any other type of irrigation system. Plant injury or lack of effectiveness can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety device for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Public water system means a system for the provision to the public of piped water for human consumption if such system has a least 15 service connections or regularly serves an average of at least 25 individuals daily or at least 60 days out of the year.

### OPERATION INSTRUCTIONS

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Prepare a mixture of **FENSTOP** in water, and inject this mixture

into the system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the fungicide in suspension.

- Meter into irrigation water during the beginning of the irrigation cycle.
- With overhead or microjet systems, apply enough water to thoroughly wet the potting media.

Precaution for irrigation applications: Where distribution patterns do not overlap sufficiently, unacceptable control may result. Where distribution patterns overlap excessively, injury to desirable plants may result.

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### ORNAMENTALS

Use **FENSTOP** on ornamentals such as Alyssum, Azalea, Bee Balm (Monarda), Easter Lily, English Ivy, Geranium, Hybrid Tea roses, Ivy, Lilac, Pelargonium, Poinsettia, Rhododendron, Spathiphyllum and Vinca, grown in greenhouses for control of diseases caused by Pythium, Phytophthora, and downy mildew.

Applications should be made prior to disease development and should be made in conjunction with good cultural management practices. Use the higher rate and/or shorter interval when disease pressure is severe. Do not exceed recommended rates or apply more frequently than at specified intervals or plant injury may occur.

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### APPLICATION INFORMATION

**FOLIAR APPLICATIONS:** For Downy Mildew and foliar Phytophthora control, mix 7.0-14.0 fl. oz. of product with 100 gallons of water and spray to wet. If less than 100 gallons of spray solution is applied per acre then apply 56-fl. oz. of product per acre. Do not exceed 400 gallons per acre. Repeat as necessary on a 28-day spray schedule. Do not apply more than two applications of the maximum rate per crop per season.

**DRENCH APPLICATIONS:** For Pythium and Phytophthora control, mix 7.0 to 14.0 fl. oz. of product with 50-100 gallons of water and apply to 400 sq. ft. (equivalent to 1-2 pts. solution per sq. ft.) Repeat as necessary on a 28-day spray schedule. Do not apply more than four applications of the maximum rate per crop per season.

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### PLANT TOLERANCE

Plant tolerances to **FENSTOP** have been found to be acceptable in the specific genera and species listed on this label. It is not possible to evaluate every species or variety of ornamental plant for its tolerance to **FENSTOP**. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

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### TANK MIXTURES

**Additional Disease Control:** If ornamentals are threatened by additional diseases, **FENSTOP** can be tank mixed with most commonly used fungicides.

If a tank-mix with other fungicides is used, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism.

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## COMPATABILITY

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**FENSTOP** is compatible with most commonly used fungicides. If a tank mixture is used, follow label directions for the use of that product.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

#### PESTICIDE DISPOSAL:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER DISPOSAL

**PLASTIC CONTAINER:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**BAG:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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## IMPORTANT: READ BEFORE USE

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Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond OHP, Inc's control, it is impossible for OHP, Inc to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of OHP, Inc is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. OHP, Inc disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT OHP, Inc ELECTION, THE REPLACEMENT OF PRODUCT.

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FenStop is a trademark of Bayer.

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