



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
Aerial Rios Building
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:
432-1389

Date of Issuance:
OCT 19 2004

Term of Issuance:
Conditional

Name of Pesticide Product:
Fenamidone 500 SC
Fungicide

NOTICE OF PESTICIDE:

 X Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Bayer Environmental Science
95 Chestnut Ridge Road
Montvale, NJ 07645

ATTN: Mike Gorrell

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 432-1389."
 - b. Under personal protective equipment change "waterproof gloves" to "chemical-resistant gloves made of any waterproof material".
3. If the conditions enumerated above are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.
4. Submit one copy of the revised final printed label before releasing the product for shipment. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Dennis McNeilly
Acting Product Manager (22)
Fungicide Branch

Date:

OCT 19 2004

FENAMIDONE 500 SC Fungicide

A Fungicide used for the Prevention and Control of Certain Diseases of Commercially Grown Ornamentals in greenhouses and saran houses only. Not for Residential Use.

ACTIVE INGREDIENT:

Fenamidone: (5S)-3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino)-4H-imidazol-4-one44.4 %

INERT INGREDIENTS: 55.6 %

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

EPA Reg. No. 432-XXX

EPA Est. No.:

KEEP OUT OF REACH OF CHILDREN WARNING

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-888-283-6847

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: Possible mucosal damage may contraindicate the use of gastric lavage. May pose an aspiration pneumonia hazard.

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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, waterproof gloves, 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.

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.

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.

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.

GENERAL INFORMATION

FENAMIDONE 500 SC FUNGICIDE 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 and saran house grown ornamental plants. Use of FENAMIDONE 500 SC FUNGICIDE should be integrated into an overall disease, pest management, or IPM program. FENAMIDONE 500 SC FUNGICIDE 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

Bayer 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.

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

Fenamidone is an inhibitor of the Qo (quinone outside) site within the electron transport system (QOI inhibition) in several plant pathogenic fungal species. Fenamidone 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 fenamidone with other fungicides in the QOI group.

HOW TO USE FENAMIDONE 500 SC FUNGICIDE

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 3/4 of the required amount of water to the mix tank. Start the agitator running before adding the required amount of FENAMIDONE 500 SC FUNGICIDE. 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 FENAMIDONE 500 SC FUNGICIDE. FENAMIDONE 500 SC FUNGICIDE 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 FENAMIDONE 500 SC FUNGICIDE.

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

Fenamidone 500 SC 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 Fenamidone 500 SC 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.

ORNAMENTALS

Use FENAMIDONE 500 SC FUNGICIDE 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 and saran houses 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.

PLANT TOLERANCE: Plant tolerances to FENAMIDONE 500 SC FUNGICIDE 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 FENAMIDONE 500 SC FUNGICIDE. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

APPLICATION INFORMATION

FOLIAR APPLICATIONS (greenhouses and saran houses): 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 (greenhouses and saran houses): 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.

PLANT TOLERANCE

Plant tolerances to FENAMIDONE 500 SC FUNGICIDE 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 FENAMIDONE 500 SC FUNGICIDE. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

TANK MIXTURES

Additional Disease Control: If ornamentals are threatened by additional diseases, FENAMIDONE 500 SC FUNGICIDE can be tank mixed with most commonly used fungicides. For control of diseases such as Aerial Web Blight, Alternaria Leaf Blight, Botrytis Blight, Fusarium Leaf Spot, Helminthosporium Leaf Spot, and Ray Blight, FENAMIDONE 500 SC FUNGICIDE can be tank-mixed with 26GT brand fungicide. Consult the 26GT label for a complete listing of diseases controlled and for application rates.

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.

COMPATIBILITY

FENAMIDONE 500 SC FUNGICIDE is compatible with most commonly used fungicides. If a tank mixture is used, follow label directions for the use of that product.

IMPORTANT: READ BEFORE USE

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 Bayer Environmental Science's control, it is impossible for Bayer Environmental Science 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.

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NET CONTENTS:

Bayer Environmental Science
95 Chestnut Ridge Rd.
Montvale, NJ 07645

RMG Fenamidone 500 SC RRD Revised Greenhouses Only 9/1/03

~~ACCEPTED~~
with COMMENTS
In EPA Letter Dated:

OCT 19 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.

432-1389