



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

EPA Reg. Number:
3125-575

Date of Issuance:
APR 16 2002

NOTICE OF PESTICIDE:
 Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Fenhexamid 50 WDG
Fungicide

Name and Address of Registrant (include ZIP Code):

Bayer Corporation, Agricultural Division
8400 Hawthorn Road, P.O. Box 4913
Kansas City, MO 64120-0013

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.

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 Sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA Sec. 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 labeling changes before you release the product for shipment: Add the phrase "EPA Registration Number 3125-575".
3. Submit one copy of your final printed label prior to release of the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Mary L. Waller
Mary L. Waller, Product Manager (21)
Fungicide Branch, Registration Division (7505C)

Date:

4/10/02

286

Fenhexamid 50 WDG

FUNGICIDE

50% Water Dispersible Granule for Use in Water as a Spray for Control of Botrytis cinerea Diseases of Grapes, Strawberries and Ornamentals and Control of Monillia Diseases of Almonds and Stone Fruit

FOR AGRICULTURAL AND ORNAMENTAL HORTICULTURAL USE ONLY

Not for Residential Use

ACTIVE INGREDIENT:

Fenhexamid: N-(2,3-dichloro-4-hydroxyphenyl)-1-methyl-cyclohexane carboxamide50%

INERT INGREDIENTS:50%

Total 100%

EPA Reg. No. 3125 - ~~xxx~~ LTL Net Wt. ___Lbs

EPA Est. No. 3125-MO-1

**STOP - Read the label before use.
Keep out of reach of children.**

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and Other Handlers Must Wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Water-proof gloves

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

- When handlers use closed systems or enclosed cabs 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.

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

USER SAFETY RECOMMENDATIONS

Users should:

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.

FIRST AID

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

In case of emergency call toll free the Bayer Kansas City Emergency Response Telephone No. 800-414-0244. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 16 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registration under FIFRA, the...

DIRECTIONS FOR USE

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

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), notification to workers 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 (REI) of 4 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
- Shoes plus socks

IMPORTANT: Read these entire DIRECTIONS FOR USE, AND CONDITIONS OF SALE before using FENHEXAMID 50 WDG Fungicide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

GENERAL INFORMATION

FENHEXAMID 50 WDG Fungicide is a hydroxylanilid protectant fungicide used for the control of Gray mold (*Botrytis cinerea*) on grapes, strawberries and Botrytis blight caused by *Botrytis cinerea* on ornamental crops and for the control of Brown rot, Blossom blight, Twig blight and Fruit brown rot (*Monilinia* spp.) on stone fruit and almonds. This product should be used in a program with other products to provide season-long protection. Apply as directed in the "APPLICATION" section using sufficient water to obtain thorough coverage of plants. Under severe disease conditions, use maximum rates and shorter application intervals as specified on the label. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly.

RESISTANCE MANAGEMENT: There is no indication of cross-resistance between the active ingredient in this product and other fungicides. If more than two applications are to be made to the same crop per season, avoid making more than two consecutive applications with FENHEXAMID 50 WDG Fungicide. Your local crop advisor may provide an appropriate control recommendation. Resistance management strategies such as a blocking program, alternation or tank mixture with other fungicides used for Botrytis and Monilinia control are recommended. Resistance management strategies advise not to apply at rates lower than recommended on the label.

COMPATIBILITY OF MIXTURES: This product is believed to be compatible with most commonly used fungicides, insecticides, micronutrients, growth regulators and spray adjuvants. Consult specific product labels for additional information. It is always advisable to conduct a tank spray compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. It is suggested that combinations be used on a small number of plants before treating large areas.

PREPARATION OF SPRAY SOLUTION: Read COMPATIBILITY OF MIXTURES section prior to any tank mixing with this product. Begin with clean equipment. Add sufficient clean water to the spray tank for one-half of the mix load. Start tank agitation. Add and properly suspend the necessary amount of product before adding any other products. Agitate to ensure thorough mixing while adding the remaining required water. A high quality wetting agent or other spray adjuvant, approved for use on your crop, may be added to spray solutions according to the manufacturer's use instructions. FENHEXAMID should be properly suspended and diluted prior to the addition of any adjuvant. Consult the adjuvant label or manufacturer for crop tolerance and safety information when used with this product. Maintain agitation during mixing and application. DO NOT allow the spray mixture to stand without agitation. Apply with properly calibrated spray equipment. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use.

APPLICATION: Prepare only the amount of spray solution needed to treat the area to be sprayed. Maintain agitation during mixing and application. Applications should be made immediately after the spray solution is prepared. If there is any delay in application, continue mix agitation. DO NOT allow the spray mixture to stand without agitation. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use. Rainfall or overhead irrigation within 2 hours of application may necessitate re-treatment.

Proper calibration and operation of spray equipment is essential for successful spraying. Consult the spray equipment manufacturer's operators manual, spray nozzle catalogs, and/or your crop advisor for more information.

DO NOT apply this product through any type of irrigation system.

For agricultural applications, apply using ground equipment only (such as boom type, air blast, hand gun or mist blower sprayer). For food crops, thorough coverage of all flowers and fruiting parts is essential for control of blossom and fruit infections caused by *Botrytis*.

For ornamental crops, thorough coverage is essential for disease control. Apply in sufficient water to obtain complete coverage of flowers, foliage and stems. Applications may be made with high volume, low volume or ultra low volume (non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information. DO NOT apply this product using thermal application equipment.

Do not replant food crops other than those for which the product is labeled within 30 days following the last application.

ALMONDS: For control of Blossom blight and Twig blight (*Monilinia* spp.) on almonds, apply 1.0 to 1.5 pounds FENHEXAMID 50 WDG Fungicide per acre (0.5 to 0.75 lb A/A) at pink bud, full bloom, petal fall and up to 28 days after petal fall. Apply in sufficient water to obtain complete coverage of flowers, fruit and twigs. DO NOT apply more than 6.0 pounds of FENHEXAMID 50 WDG Fungicide per acre per season (3.0 lb A/A/season).

GRAPES: For the control of *Botrytis* bunch rot (Gray mold), apply 1.0 lb product per acre (0.50 lb A/A) prior to disease establishment. Apply when conditions favor disease development at early bloom, bunch pre-close, veraison (beginning of fruit ripening), up to and including the day of harvest. The final application may be made up to and including the day of harvest. (PHI = 0 days.) DO NOT apply more than 3.0 pounds of FENHEXAMID 50 WDG Fungicide per acre per season (1.5 lb A/A/season).

STONE FRUIT (APRICOTS, CHERRIES, NECTARINES, PEACHES, PLUMS, AND FRESH PRUNES): For control of Brown rot, Blossom blight and Twig blight (*Monilinia* spp.) on stone fruit, apply 1.0 to 1.5 pounds FENHEXAMID 50 WDG Fungicide per acre (0.5 to 0.75 lb A/A) at early bloom, late bloom, and two weeks after petal fall when conditions favor disease. For control of Fruit brown rot (*Monilinia* spp.) on stone fruit, apply 1.0 to 1.5 pounds of FENHEXAMID 50 WDG Fungicide per acre (0.5 to 0.75 lb A/A) pre-harvest when conditions favor disease. Application can be made up to and including the day of harvest. DO NOT apply more than 6.0 pounds FENHEXAMID 50 WDG Fungicide per acre per season (3.0 lb A/A/season).

STRAWBERRIES: For the control of *Botrytis cinerea* (Gray mold), apply 1.5 pounds FENHEXAMID 50 WDG Fungicide per acre (0.75 lb A/A) alone or in a tank mix. Begin applications at early bloom prior to disease establishment. Continue applications every 7 to 14 days or when conditions favor disease development. Under light to moderate disease pressure, FENHEXAMID 50 WDG Fungicide may be applied in a tank mix at a rate of 1.0 to 1.5 pounds FENHEXAMID 50 WDG Fungicide (0.50 to 0.75 lb A/A) with the recommended rate of another fungicide (such as Captan) which is registered for use on strawberries to control *Botrytis cinerea* (Gray mold). When plastic mulch is used, do not apply within 16 feet (5 meters) of naturally vegetated or aquatic areas.

Avoid making more than two consecutive applications with FENHEXAMID 50 WDG Fungicide. After the second application, use an alternative fungicide for two consecutive applications before reapplying the active ingredient in this product. Consult your local crop advisor for appropriate alternative products. The final application may be made up to and including the day of harvest. (PHI = 0 days.) DO NOT apply more than 6.0 pounds of product per acre per season (3.0 lb A/A/season).

OUTDOOR-GROWN AND GREENHOUSE-GROWN

ORNAMENTALS: This product, when applied as a foliar spray, has been shown to effectively protect plants from *Botrytis cinerea* and stop sporulation of the fungus if an infection has occurred. These directions are based upon the results of product testing programs.

NOTICE TO USER: Plant tolerance to this product has been found to be acceptable in research trials for the general plant species listed on this label. However, due to the large number of species and their associated varieties or cultivars of ornamental and nursery plants and due to variable growing conditions, it is impossible to test every plant and variety or cultivar for tolerance to this product. Neither the Manufacturer nor the Seller has determined whether or not this product can be safely used on all ornamental plants. The professional user should determine if this product can be used safely prior to commercial use. In a small test area, test the recommended rates on plants for phytotoxicity and disease control prior to general use.

This product has been shown to be safe and effective in a limited number of research trials on certain varieties or cultivars of the plant types listed. Users should conduct small scale tests under local growing conditions prior to wide-scale use.

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|-------------------------|-------------------------|
| African Violet | Pansy |
| Fuchsia | Petunia |
| Geranium | Poinsettia ¹ |
| Gerbera Daisy | Rose |
| Impatiens | Spathiphyllum |
| Lily (Asiatic/Oriental) | Snapdragon |
| Lisianthus | |

¹ Due to the sensitivity of mature poinsettia bracts and varying local environmental conditions, users should conduct preliminary tests as suggested above.

High Volume Spray Recommendations		
Application Rate	Disease Pressure	Spray Interval
0.75 lb product per 100 gal.	Conditions favor disease development; no disease present.	7 to 14 Days
1.0 to 1.5 lb product per 100 gal.	Conditions favor disease development; disease present.	7 Days

Low Volume / Ultra Low Volume Spray Recommendations		
Application Rate	Disease Pressure	Spray Interval
0.75 lb product per acre	Conditions favor disease development; no disease present.	7 to 14 Days
1.0 to 1.5 lb product per acre	Conditions favor disease development; disease present.	7 Days

For small application equipment, the scoop attached to the container is provided for ease in measuring the amount of this product to use per 1 gallon of water. Apply 1 to 1.5 level scoops per 1 gallon of water. One scoop equals 0.16 ounces or 4.5 grams or approximately one rounded teaspoon of this product.

Avoid making more than two consecutive applications of product. After the second application, use an alternative fungicide for two consecutive applications before reapplying the active ingredient in this product. Consult your local Horticultural Advisor for the most appropriate alternative products.

Outdoor-Grown Ornamentals: DO NOT apply more than 6.0 pounds of product per acre per season (3.0 lb A/A/season).

Greenhouse-Grown Ornamentals: DO NOT apply more than 0.14 pounds product per 1000 square feet per crop cycle (equal to 2.2 oz. product per 1000 square feet per crop cycle).

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a dry place away from excessive heat. Do not store near food or feed. Store in original container only. To close package, fold package or replace and tighten cap to form an airtight seal.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 800-414-0244, or contact Chemtrec at 800-424-9300.



added

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

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

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

Fiber drums: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill (or incinerate if allowed by State and local authorities). If drum is contaminated and cannot be reused, dispose of in the same manner.

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