

PM22

707-231

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
707-231

Date of Issuance:
FEB 15 1995

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Enable 2F

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Rohm & Haas Company
100 Independence Mall West
Philadelphia, PA 19106

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)(C) provided that you:

1. Submit the data listed below, conducted on accordance with the Good Laboratory Practice Standards, 40 CFR Part 160 and appropriate test guidelines as referenced in EPA's Data Requirements for Registration Regulations, 40 CFR Part 158:

<u>Title of Study</u>	<u>Guideline Reference Number</u>	<u>Date Due</u>
Fish Life Cycle	72-5	May 14, 1997
Growth and Reproduction of Aquatic Plants	123-2	November 14, 1995
Droplet Size Spectrum	201-1	February 14, 1996
Drift Field Evaluation	202-1	February 14, 1996

Signature of Approving Official:

BS

Date:

FEB 15 1995

<u>Title of Study</u>	<u>Guideline Reference Number</u>	<u>Date Due</u>	<u>(Cont.)</u>
Storage Stability of fenbuconazole reflecting a 49 month storage period	171-4(e)	February 14, 1998	

2. Make the following label changes listed below before you release the product for shipment:

- a. Add the phrase, "EPA Reg. No. 707-231".
- b. Modify the Environmental Hazard section to incorporate the following statements:

This product is highly toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff from treated area may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters or rinsate.

- c. In the Ingredient Declaration, Active Ingredient and Inert Ingredients must be of equal prominence.

- d. Modify the Precautionary Statements to state:

Harmful if inhaled. Avoid breathing vapor or spray mist.

- e. In the Statements of Practical Treatment only the "If Inhaled:" statement is required based on the acute toxicity of this product.

3. Identify and submit additional mitigation measures to address chronic non-target organism toxicity concerns.

4. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on Pecans is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1, and ends September 30. The product information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information is to be submitted to:

Registration Support Branch
Registration Division (7505W)
Environmental Protection Agency
Washington, DC 20460

5. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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If these conditions 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.

A stamped copy of the label is enclosed for your records.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

4/29



ENABLE™ 2F

AGRICULTURAL FUNGICIDE

ACTIVE INGREDIENT

Fenbuconazole

α [2-(4-chlorophenyl)ethyl]- α -phenyl-1H-1,2,4-triazole-1-propanenitrile.....23.5%*

INERT INGREDIENTS.....76.5%

TOTAL 100.0%

*Equivalent to 2 lbs. active ingredient per gallon

EPA REG. NO. 707-231

U.S. Patent No. 4,336,165

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 15 1995

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

707-231

NOTICE: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

IF INHALED: Move victim to fresh air.

IF ON SKIN: Wash affected skin thoroughly with soap and water. Consult a physician if irritation persists.

IF SWALLOWED: Dilute by giving two glasses of water to drink and consult a physician. Never give anything by mouth to an unconscious person.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Do not swallow, get in eyes, on skin or breathe spray mist.

- Personal Protective Equipment (PPE)**
Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
 - Shoes plus socks
 - Waterproof gloves

In Addition to the required PPE, the following PPE is recommended:

- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Follow manufacturer's instructions for cleaning/ maintaining 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 Standards (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

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters and rinsate. Do not apply when weather conditions favor drift or runoff from areas treated.

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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) 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 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
- Shoes plus socks
- Waterproof gloves

STORAGE AND DISPOSAL

STORAGE: Store in a cool dry well-ventilated area, but not below 32°F (0°C).

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. 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 region office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, by incineration or if allowed by State and local authorities, by burning. If burned stay out of smoke.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Appropriate protective equipment must be worn when handling a spill of this material. Remove contaminated clothing promptly. Wash exposed skin areas with soap and water immediately after exposure.

Contain spills immediately with inert materials (e.g. sand, earth). Transfer spilled liquid and solid diking material to separate suitable containers for recovery or disposal. Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Refer to Material Safety Data Sheet.

CONDITIONS OF SALE AND WARRANTY

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

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GENERAL INFORMATION

ENABLE 2F fungicide is a protectant fungicide for the control of specific diseases mentioned on this label and should be used in a regularly scheduled preventive spray program. A wetting agent such as LATRON B-1959, LATRON CS-7 or other or other spray adjuvants approved for use in registered pesticide products should be added to spray solutions according to manufacturers' use instructions to achieve optimum disease control.

USE RATE DETERMINATION

Carefully read, understand and follow label use rates and restrictions. Under low disease conditions, minimum suggested use rates can be used, while maximum suggested label rates and shortened spray schedules are recommended for severe or threatening disease conditions. Prepare only the amount of spray solution required to treat the measured area. Careful calibration of spray equipment is recommended prior to use.

MIXING

Thoroughly shake container before using contents. Triple-rinse container used to measure ENABLE 2F fungicide and add rinseate to spray tank. Add a registered spray adjuvant after ENABLE 2F fungicide is fully dispersed in the spray solution.

NOTE: Reduced product efficacy may occur if water containing suspended soil particles is used, such as water from ponds, streams or unlined ditches.

APPLICATION

Do not make ground or aerial applications within 75 feet of streams, rivers, ponds, lakes or reservoirs.

Ground- Thorough coverage sprays generally result in optimum disease control. To achieve good coverage use proper spray pressure, gallonage per acre, nozzles, nozzle spacing and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

For tree fruits and nuts the same amount of ENABLE 2F fungicide should be applied per acre in either dilute or concentrate sprays.

Dilute Sprays:

To apply the correct amount of ENABLE 2F fungicide to your orchard, you must know the number of gallons of water needed to spray one acre of trees to the point of drip. If you do not already know this gallonage, you should conduct a test to determine it. For a dilute spray, this volume (containing 2 fluid ounces or 0.03 pounds active ENABLE 2F fungicide per 100 gallons) should be used to treat the orchard.

Concentrate Sprays:

The amount of ENABLE 2F fungicide required to treat the orchard is the same as that contained in the above gallonage for dilute sprays. For a concentrate spray, a minimum of 50 gallons per acre is recommended.

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Aerial - Apply in a minimum of 5 gallons of water per acre on annual crops and 10 gallons of water per acre on perennial tree fruits and nuts. Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals. Flagmen and loaders should wash thoroughly before eating, drinking, or smoking and at the end of each day's spray operation.

Aerial Spray Drift Management- AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory.

Chemigation - Do not apply this product through any type of irrigation system.

COMPATIBILITY

ENABLE 2F fungicide is believed to be compatible with most commonly used fungicides, insecticides, growth regulators, micronutrients and spray adjuvants. Follow the manufacturer's use instructions for any registered adjuvant to achieve proper spray concentrations.

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USE DIRECTIONS FOR PECANS

ENABLE 2F is a protectant fungicide. Best disease control is achieved on a protectant application schedule using thorough coverage sprays.

A wetting agent such as LATRON E-1956, LATRON CS-7 or other spray adjuvants approved for use in registered pesticide products should be added to spray solutions according to manufacturers' use instructions to achieve optimum disease control.

DISEASE	RATE OF ENABLE 2F PER ACRE	USE RECOMMENDATIONS	RESTRICTIONS
Downy Spot (<i>Mycosphaerella sp.</i>)	8 fluid oz. (0.125 lb. active)	Begin applications at bud break and continue at 10 to 14 day intervals through pollination. Apply at 14 to 21 day intervals through the cover sprays.	Do not apply after shuck split or within 28 days of harvest.
Gnomonia Leafspot (<i>Gnomonia sp.</i>)			Do not apply more than 1.5 quarts (0.75 lb. active) per acre per season.
Leaf Blotch (<i>Mycosphaerella sp.</i>)			Do not graze livestock in treated areas or feed cover crops grown in treated areas to livestock.
Leaf Scorch			
Powdery Mildew (<i>Microsphaera sp.</i>)			
Scab (<i>Cladosporium sp.</i>)			
Vein Spot (<i>Gnomonia sp.</i>)			

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