

MAY 22 1995

Richard D. Costlow Ph.D.
Rohm and Haas Company
100 Independence Mall West
Philadelphia, PA 19106-2399

Dear Dr. Costlow:

Subject: Add Use on Bananas
Enable 2F Agricultural Fungicide
EPA Registration No. 707-231
Your Submission Dated May 11, 1995

The amendment referred to above is conditionally registered in accordance with FIFRA sec. 3(c)(7)(B) 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

page 2
EPA Reg. No. 707-231

<u>Title of Study</u>	<u>Guideline Reference Number</u>	<u>Date Due</u>	<u>(Cont.)</u>
Magnitude of the residue: Crop Field Trials with unbagged bananas (two in Hawaii and two in Puerto Rico)	171-4	May 22, 1998	

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

a. In the Ingredient Declaration, Active Ingredient and Inert Ingredients must be of equal prominence [i.e. identical type].

b. In the Environmental Hazard section delete "For terrestrial uses". Refer to PR Notices 93-3 and 93-8. Please note that your arguments that the statement "This product is highly toxic to fish" is not allowed by our current regulations are waiting review by Ecological Effects Branch.

c. Modify the Precautionary Statements to state:

Harmful if inhaled. Avoid breathing vapor or spray mist.

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

e. Incorporate the Aerial Spray Drift Management Section that appears on the labeling stamped accepted on February 15, 1995.

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 Bananas 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

page 3
EPA Reg. No. 707-231

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.

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.

Sincerely,



James M. Stone
Acting Product Manager 22
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

INDAR 2F

AGRICULTURAL FUNGICIDE



ACTIVE INGREDIENT

Fenbuconazole

α [2-(4-chlorophenyl)ethyl]- α -phenyl-1H-1,2,4-triazole-1-propanenitrile.....22.8%*

INERT INGREDIENTS.....77.2%

TOTAL 100.0%

*Equivalent to 2 lbs. active ingredient per gallon

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAY 22 1995

EPA REG. NO. 707-231

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

Under the Federal Insecticide, Fungicide, and Rodenticide Act, and the Federal Food, Drug, and Cosmetic Act, the registration of this product is hereby approved.
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.

BEST COPY AVAILABLE

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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

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

- Waterproof gloves
- 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.

678

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 all contaminated clothing promptly. Wash all exposed skin areas with soap and water immediately after exposure. Thoroughly launder clothing before reuse. Do not take clothing home to be laundered. Transfer spilled material to suitable containers for recovery or disposal.

Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids 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 Precautionary Statements.

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

INDAR 2F fungicide is a protectant fungicide for the control of specific diseases mentioned on this label. INDAR 2F fungicide should be used in a regularly scheduled preventive spray program. A wetting agent such as LATRON B-1936, LATRON CS-7 or other EPA-approved spray adjuvant should be added to spray solutions 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 INDAR 2F fungicide and add rinse to spray tank. Add a suitable spray adjuvant when INDAR 2F fungicide is fully dispersed in the spray solution.

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, nozzle, nozzle spacing and tractor speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

Aerial - Apply in a minimum of 5 gallons of water per acre on annual crops and 10 gallons of water 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.

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

COMPATIBILITY

INDAR 2F fungicide is believed to be compatible with most commonly used fungicides, insecticides, growth regulators, micronutrients and spray adjuvants.

RC/rdm
4/7/84

*Aerial Spray
D. Ft. Management
Section*

USE DIRECTIONS FOR BANANAS

INDAR 2F fungicide may be applied up to the day of harvest. Best control of diseases is achieved on a protectant application schedule and when an emulsifiable spray oil is added to the spray solution.

DISEASE	RATE OF INDAR 2F PER ACRE	USE RECOMMENDATIONS	RESTRICTIONS
Sigatoka <i>Mycophaeerella spp.</i>	6.0 fl. oz. (0.06 lb. active)	Apply when leaves first appear and repeat every 14-21 days or as required.	Do not apply more than 8 times (0.72 lb. active) per acre per year. Do not graze livestock in treated areas. Do not cut cover crops for livestock food.

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OEC
4/7/94