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DEC 28

Hubert Deissler
 BASF Corporation
 Chemicals Division
 100 Cherry Hill Road
 Parsippany, NJ 07054

255193 / 300
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Dear Mr. Deissler:

Subject: Amended Labeling - Deletion of Uses for Metiram
 Polyram 80 DF EPA Reg. No. 7969-70 ✓
 Polyram 80 Dust Base EPA Reg. No. 7969-71
 Your Submission Dated September 6, 1989

EPA issued a notice, published in the FEDERAL REGISTER of December 4, 1989 (54 FR 50020), which announced the receipt of requests from registrants of certain technical and end-use EBDC pesticide products to amend their registrations to delete certain uses on food crops or to voluntarily cancel certain products. The ten-day period following publication is now over. The purpose of this letter is to approve and give effect to these requests.

On September 6, 1989, BASF Corporation submitted applications for amendments to delete certain crops from its metiram product registrations and labels. For the above-referenced products, the Agency agrees to the deletion of the food crop, apple.

As a result of BASF's action, now the only food use for the above listed metiram products is on potatoes.

The Agency has completed review of the amended labels and finds them acceptable subject to the comments listed below. Stamped copies of the labels are enclosed for your records. Five copies of the finished labeling must be submitted.

- 1) For Polyram 80MP, EPA Reg. No. 7969-70,
 - a) on the last page of the label, delete the restriction regarding treated seed pieces or include directions for this use
 - b) since no references are included for the use of benomyl, delete the reference which follows the warranty statement:

"Karathane is a registered Trademark of Rohm and Haas Company.
 Benlate is a registered Trademark of E.I. DuPont De Nemours & Co."

2) For Polyram 80 Dust Base, EPA Reg. No. 7969-71, the proposed label

CONCURRENCES					
SYMBOL	H7505C	H7505C	H7505C	H7505C	H7505C
SURNAME	Maronia	Quelbach	Lewis	Landry	Jrene
DATE	12/22/89	12/21/89	12/22/89	12/22/89	12-28-89

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AFTER JANUARY 1, 1990, ALL TECHNICAL PRODUCT REMAINING WHICH IS NOT IN FORMULATOR'S HANDS AND ALL END-USE PRODUCT REMAINING WHICH IS NOT IN GROWERS' HANDS MUST BE RELABELED TO REFLECT THE USE DELETIONS. ALL NEW PRODUCTION MUST BEAR LABELING REFLECTING ONLY RETAINED USES.

Persons that sell or distribute affected metiram products after January 1, 1990, without the revised labeling (i.e., instead has labeling that does not reflect the deletion of the subject uses) will be in violation of FIFRA and subject to enforcement action.

The uses deleted from these registrations and labeling cannot be reinstated by the registrant until such time as the Agency determines risks associated with these uses are found to be reasonable, informs the registrant of such finding(s), and approves any subsequent amendments to registration.

If you have any questions concerning this letter, please contact Susan Lewis, Product Manager (21), (703)557-1900.

Sincerely,

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Anne Lindsay, Director
Registration Division

Enclosure - Stamped labels

P O L Y R A M 80 WP
Fungicide

FOR AGRICULTURAL OR COMMERCIAL USE ONLY

Active Ingredients:

A mixture of 5.2 parts by weight (83.9%) of ammoniates of [ethylenebis(dithiocarbamate)]-zinc with 1 part by weight (16.1%) ethylenebis-[dithiocarbamic acid] bimolecular and trimolecular cyclic anhydrosulfides and disulfides.....80.0%

Inert Ingredients.....20.0%

100.0%

Zinc expressed as metallic-14.0%

EPA Reg. No. 7969-70

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution

May be Harmful if Swallowed, Inhaled or Absorbed through the skin. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash contaminated clothing before reuse.

PROTECTIVE CLOTHING AND EQUIPMENT

Consisting of a long sleeved shirt and long pants or coveralls that covers all parts of the body except the head, hands and feet; chemical resistant gloves, shoes, socks and goggles or a face shield must be worn during handling. During mixing and loading, a chemical resistant apron must also be worn.

STATEMENTS OF PRACTICAL TREATMENTS

IF INHALED: Remove subject to fresh air; consult a physician.

IF IN EYES: Flush with plenty of water; consult a physician.

IF ON SKIN: Wash with plenty of soap and water. If irritation persists; consult a physician.

BASF Corporation Chemicals Division
100 Cherry Hill Road, Parsippany, New Jersey 07054

EPA-Est. No. 7969-WG-01

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 28 1989

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

7969-70

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment washwaters.

Do not allow this material to drift onto neighboring crops or non-crop areas or use in a manner or at a time other than accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

PHYSICAL OR CHEMICAL HAZARDS

Protect from excessive heat.

DIRECTIONS FOR USE

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

Do not enter treated areas without protective clothing until sprays have dried. After (sprays have dried/justs have settled/vapors have dispersed, as applicable) do not enter or allow entry into treated areas until the 24-hour re-entry interval has expired unless wearing the personal protective equipment listed on the label. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

CAUTION

(insert area or field description) treated with POLYRAM 80 WP fungicide on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. After (sprays have dried/dusts have settled/vapors have dispersed, as applicable) do not enter or allow entry into treated areas until the 24-hour re-entry interval has expired unless wearing the personal protective equipment listed on the label. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to POLYRAM 80 WP and describe his condition. For further information refer to the "Statements of Practical Treatment."

Oral warning must include the same information that is in the written warnings.

WORKER SAFETY RULES

Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift. Do not rub eyes or mouth with hands (See "Statements of Practical Treatment").

PERSONAL PROTECTIVE EQUIPMENT

For Mixers, Loaders, Applicators and Early Re-entry Workers.

HANDLE THIS PRODUCT ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: A long sleeve shirt and long pants or coveralls that cover all parts of the body except the head, hands and feet; chemical resistant gloves, shoes, socks and goggles or a face shield must be worn during handling. During mixing and loading, a chemical resistant apron must also be worn.

During application from a tractor with a completely enclosed cab with positive pressure filtration, or aerially with an enclosed cockpit, a long-sleeved shirt and long pants may be worn in place of the above protective clothing. Chemical-resistant gloves must be available in the cab or cockpit and worn while exiting.

IMPORTANT!

Before removing gloves, wash them with soap and water. Always wash hands, face, and arms with soap and water before eating, smoking or drinking. Always wash hands and arms with soap and water before using the toilet.

After work take off all clothes and shoes. Shower using soap and water. Wear only clean clothes. Do not use contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with Polyram must be destroyed according to state and local regulations.

HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

During aerial application, humans flaggers are prohibited unless in totally enclosed vehicles.

CHEMIGATION

Apply by chemigation only to Potatoes using only sprinkler irrigation systems. Do not apply by chemigation to any other crop or to this crop using any other type of irrigation system.

Apply this product only through one of the following types of systems: sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation systems. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform 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 an 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.

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 backflow. 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 motor 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.

Agitation must be maintained in supply tank. The pesticide should be applied continuously for the duration of the water application. Polyram 80 WP should be diluted in sufficient volume of water to insure accurate application over the area to be treated. When using chemigation a minimum of 0.5 inch of water per acre is recommended.

TANK MIXTURES:

Polyram 80 WP is compatible with most of the pesticides with which it might normally be used, including spray oils. Polyram 80 WP is compatible with parathion, but should not be used in combination with parathion-oil. When used with oil, Karathane, or Diazinon, Polyram 80 WP should be thoroughly mixed with water in the spray tank and the tank filled nearly full of water before the other material is added. Do not combine Polyram 80 WP with fixed coppers, or highly alkaline materials such as Bordeaux mixture or lime sulfur. Observe all cautions and limitations on labeling of all products used in mixtures.

APPLICATION TO CROP

Observe days interval between last application and harvest indicated by number in parentheses following the crop.

Potatoes (0): To control Early Blight, Late Blight-Use 1 to 2 pounds Polyram 80 WP in 100 gallons of water per acre by ground application or 2 pounds per acre in 3 to 6 gallons of water per acre by aircraft application. Start applications when plants are small (2 to 6 inches). Apply at 5 to 10 day intervals or more often if weather conditions are conducive for rapid blight development.

Sprinkler application, Western States Only (Except California): To control Early Blight-Apply 2 pounds Polyram 80 WP per acre/ Begin application when plants are small (2-4 inches). Apply at 5 to 10 day intervals or more often if weather conditions are conducive to rapid blight development.

Roses (0): To control Blackspot-Use 1 1/2 pounds Polyram 80 WP per 100 gallons of water (6 teaspoonfuls per 1 gallon). Apply when new growth first appears and repeat at weekly intervals. During periods of continuously rainy weather, shorten application intervals to twice a week.

STORAGE AND DISPOSAL

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, fold and roll back bags, clamp and close tightly. Do not put concentrated or diluted material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call BASF Corporation at (201) 316-3000.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

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

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 Regional Office for Guidance.

Container Disposal

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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RESTRICTIONS AND LIMITATIONS

POTATOES - Do not use treated seed pieces for food or feed.

Dealers Should Sell in Original Packages Only.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for use subject to the inherent risks referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

Karathane is a registered Trademark of Rohm and Haas Company.
Benlate is a registered Trademark of E.I. DuPont De Nemours & Co.

Polyram is a Registered Trademark of BASF Aktiengesellschaft.