

PM 22

264-257

Page

Review
FILE
197

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

OCT 15 1993

Warren A Davis
RHONE-POULENC AG COMPANY
BOX 12014
RESEARCH TRIANGLE PARK NC 27709

Subject: Label Amendment Submission of 06/28/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 264-257
ETHREL ETHEPHON PLANT REGULATOR

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped, "Accepted with comments", is attached. Make any required changes described below and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460-0001

297

RHONE-POULENC AG COMPANY
EPA Reg. Number: 264-257
ETHREL ETHEPHON PLANT REGULATOR
Application date: 06/28/93
Original Submission

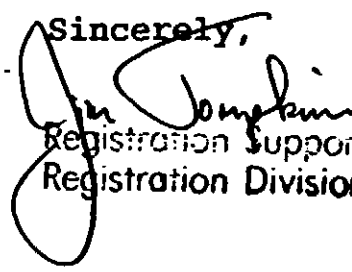
Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

You have not transcribed the first paragraph in the Agricultural Use Requirements section exactly as prescribed in the Main Labeling Guidance.

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling, the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,

Registration Support Branch
Registration Division

Admin: 264-257

Analyst comments:

In F-2 the word "expectations" should be replaced by the word "exceptions".

The engineering control statement should be placed immediately before the User Safety Recommendations.

ACCEPTED
with COMMENTS
in EPA Letter Dated

4 9 7

ETHREL[®] Ethepon Plant Regulator For Pineapple and Sugarcane

OCT 15 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide

EPA Reg. No. 264-257

FOR COMMERCIAL OR AGRICULTURAL USE ONLY. NOT FOR RESIDENTIAL USE

For Flower Induction and Maturity Concentration In Pineapple

For Flower Prevention and Biomass Increase In Sugarcane (Hawaii Only)

ACTIVE INGREDIENT:

Ethepon [(2-chloroethyl) phosphonic acid]*39.9%

INERT INGREDIENTS:60.1%

*This product contains 4 pounds ethepon per gallon.

EPA Reg. No. 264-257

EPA Est. No. 264-PA-01

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-800-334-9745

The use of this product for a variety of plant growth regulation uses is covered by United States and foreign patents including U.S. Patents 3,879,188 and 4,240,819. No license is granted to use this product in countries other than the United States or for any use not contemplated by this label. Liability for patent infringement may result from use or sale of this product outside the United States.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention, preferably an ophthalmologist.

Call a physician in cases of suspected poisoning. If poisoning is suspected in animals, call a veterinarian.

IF SWALLOWED: Do not induce vomiting. Promptly drink a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

IF ON SKIN: Immediately wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. Get medical attention.

NOTE TO PHYSICIAN

No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

Victims of severe overexposure, by inhalation, should be kept under medical observation for up to 72 hours for delayed onset of pulmonary edema. In a victim of overexposure by ingestion, careful gastric lavage is required due to the possibility of stomach or esophageal perforation. This material is an acid, but the use of alkaline substances to neutralize it is contraindicated.

PRECAUTIONARY STATEMENTS

DANGER HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Keep away from domestic animals. Avoid contamination of food.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear long-sleeved shirt and long pants. Wear eye protection, shoes plus socks and protective gloves. Wash thoroughly before eating, drinking, or smoking. Do not eat, drink, or smoke while using this product. For more information on PPE requirements, refer to the label. The handler PPE requirements may be reduced or modified as follows:

Washable PPE: Washable materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse. 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.

BEST AVAILABLE COPY

User Safety Recommendations

Remove clothing and shoes if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Avoid spray drift. Do not apply when weather conditions may cause drift. Do not allow this product to drift on to non-target areas. Drift may result in illegal residues or injury to adjacent crops.

For terrestrial uses, 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 disposing of equipment washwaters. Do not contaminate water used for irrigation or domestic purposes.

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.

For more information on the use of this product, contact your local extension agent or county agent. For information on the use of this product in other countries, contact the manufacturer. For information on the use of this product in other states, contact the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

This product is registered under the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for agricultural employers, handlers, and farm workers. It also contains specific requirements for agricultural employers, handlers, and farm workers regarding personal protective equipment (PPE), notification to workers, and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Employers and agricultural handlers must be trained in the requirements of the PPE of 40 CFR 170.20. Employers and agricultural handlers must also be trained in the requirements of the Worker Protection Standard, 40 CFR part 170. For more information on the requirements of the Worker Protection Standard, contact your local extension agent or county agent. For information on the requirements of the Worker Protection Standard, contact the agency responsible for pesticide regulation.

IMPORTANT

Do not use this product for purposes other than those listed on the label. Do not exceed the rate of ETHREL® Ethephon Plant Regulator per acre per year recommended on this label.

Do not apply ETHREL® Ethephon Plant Regulator For Pineapple and Sugarcane through any type of irrigation system.

STORAGE AND DISPOSAL

STORAGE

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

PESTICIDE DISPOSAL

Pesticide wastes are hazardous. Do not contaminate water, food, or feed by storage or disposal. 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

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

GENERAL INFORMATION

When ETHREL® is applied to plants, the product decomposes within the plant tissue to release ethylene, a naturally occurring plant hormone.

PINEAPPLE FLOWER INDUCTION

Application of ETHREL® will induce uniform flower initiation of pineapple plants.

PINEAPPLE MATURITY CONCENTRATION

Application of ETHREL® will stimulate uniform shell color of pineapple fruit.

BEST AVAILABLE COPY

SUGARCANE FLOWER PREVENTION

A foliar spray of ETHREL® will reduce or prevent flowering of sugarcane.

SUGARCANE BIOMASS INCREASE

ETHREL® application to prevent flowering can result in increased biomass accumulation and increased recoverable sugars.

For recommendations on rates, spray volumes, and spray equipment under varying temperature and rainfall conditions consult your Extension specialist, Rhône-Poulenc Ag Company Representative or farm agronomist for his experience with this product in your area.

SPRAY PREPARATION

Add 1/2 to 3/4 of the required amount of water to the spray tank. Start agitation. Add the required amount of ETHREL®, and the remaining amount of water. Prepare only as much spray solution as can be used on the day of mixing. Use of previous day's spray mix may result in reduced activity.

Do not spill the concentrated product on spray equipment, or any airplane parts. ANY SPILLS SHOULD BE IMMEDIATELY RINSED WITH PLENTY OF WATER AS ETHREL® IS CORROSIVE. Use of a nurse tank is highly recommended for avoiding possible spills of concentrated formulation on spray equipment.

EQUIPMENT CLEANING

Because of the acidic nature of this product, prolonged exposure to spray deposit will damage acrylic plastics, certain paints and metals.

Rinse thoroughly with detergent and water all exposed acrylic plastic-type materials (e.g. aircraft windshields), and painted surfaces within an hour after exposure to spray deposits.

At the end of each day, rinse thoroughly with detergent and water all metal parts of the aircraft and the associated spray equipment exposed to the spray deposits.

CROP AND USE	RATE PER ACRE	SPRAY VOLUME	APPLICATION TIMING	SPECIFIC COMMENTS	RESTRICTIONS
<p>PINEAPPLE</p> <p>Flower Induction ETHREL® applied to pineapple plants will stimulate uniform initiation of flowering.</p>	<p>1 to 2 quarts</p>	<p>100 to 500 gal/A</p>	<p>'Bearing age' about 12 months after planting. Generally about 6 months prior to desired harvest.</p>	<p>Proper rate will vary with local growing conditions, varieties, plantation management practices and time of year. Use the higher rate where earlier harvest is desired. Apply when pineapple foliage is dry.</p>	<p>Do not graze pineapple forage treated with ETHREL® Plant Regulator. Do not harvest pineapples treated with ETHREL® Plant Regulator sooner than 2 days after the last application.</p>
<p>Maturity Concentration ETHREL® application will stimulate uniform shell color development</p>	<p>1/2 to 1 quart</p>	<p>100 to 300 gal/A</p>	<p>When the first fruit begin to change color.</p>	<p>Use a broadcast spray, thoroughly cover both foliage and fruit. Use the higher rate during periods of cool or cloudy weather when normal ripening has slowed.</p>	
<p>SUGARCANE</p> <p>Flower Prevention ETHREL® application will prevent or reduce flowering and pithy tissue formation.</p> <p>Biomass Increase ETHREL® used to prevent flowering can also result in increased biomass accumulation and recoverable sugar yield.</p>	<p>1 pint</p>	<p>7 gal/A minimum</p>	<p>Just prior to flower initiation.</p>	<p>Apply by fixed wing or helicopter using equipment designed to give uniform coverage.</p> <p>Actual biomass increase will be affected by the time between treatment and harvest.</p> <p>Consider anticipated recoverable sugars as well as biomass to determine optimum harvest date.</p>	<p>Do not harvest sugarcane treated with ETHREL® Plant Regulator sooner than 2 months after the last application. Do not graze sugarcane forage treated with ETHREL®.</p> <p>For Use in Hawaii Only.</p>

797

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS.

BUYER'S EXCLUSIVELY REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

ETHREL is a registered trademark of Rhône-Poulenc.

ETHREL® Ethephon Plant Regulator for Pineapple and Sugarcane (PENDING) Submitted __/__/93.