

Reg # 264-376

PM-25

File
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Warren A. Davis
RHONE-POULENC AG COMPANY
2 T. W. ALEXANDER DRIVE
Research Triangle Park, NC 27709

Subject: Label Amendment Submission of 06/28/93 in Response to PR Notice 93-7
EPA Reg. No. 264-376
CERONE-2 PLANT REGULATOR

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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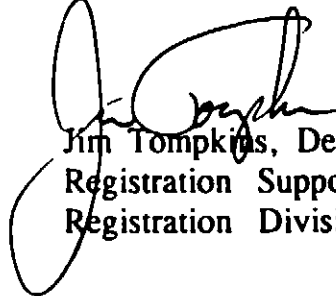
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

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

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 20 1994

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

264-376

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CERONE®-2 Plant Regulator

For Reducing Lodging in Barley and Wheat

For Agricultural or Commercial Use Only. Not For Residential Use.

ACTIVE INGREDIENT: Ethephon [(2-chloroethyl) phosphonic acid]* 21.7%

INERT INGREDIENTS: 78.3%

*Contains 2 pounds ethephon per gallon

EPA Reg. No. 264-376

EPA EST NO. 264-PA-01

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

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 **EMERGENCY INFORMATION ONLY** Call 24 Hours A Day 1-800-521-8235

For **PRODUCT HANDLING, USE AND GENERAL 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.

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. May cause eye damage. Avoid contact with skin or clothing and do not inhale vapors as this product will irritate skin and mucous membranes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

Discard clothing and other absorbed materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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 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.

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 body thoroughly and put on clean clothing.

STATEMENT OF PRACTICAL TREATMENT

In case of splashing into eyes, flood eyes immediately with plenty of water for at least 15 minutes and get medical attention.

In case of skin contact, wash immediately with plenty of soap and water and remove contaminated clothing. Avoid contamination of food. If taken internally, call a physician and promptly drink large quantities of milk, egg white, gelatin solution or if these are not available, large quantities of water.

NOTE TO PHYSICIAN

This material possesses the characteristics of a strong acid, and may cause mucosal damage by swallowing. Do not induce vomiting. Gastric lavage should be undertaken with care if necessary. Appropriate conventional treatment for circulatory shock, respiratory depression and convulsions may be needed.

ENVIRONMENTAL HAZARDS

Do not apply CERONE®-2 Plant Regulator through any type of irrigation system.

Do not contaminate water used for irrigation or domestic purposes.

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.

Avoid spray drift to nearby crops as this product will cause modifications in plant growth. Plant injury or reduced yields will result. Do not exceed the rate of CERONE®-2 Plant Regulator per acre per year recommended on this label. Do not plant another crop within 30 days after treatment.

IMPORTANT:

Do not use this product for purposes other than those listed on the label.

Mix only the amount of spray you expect to use each day. Do not allow mixed solution to stand overnight.

GENERAL INFORMATION

CERONE®-2 Plant Regulator is intended to be used only as an antilodging agent on intensively managed barley and wheat crops that are likely to lodge.

Vigorously growing small grain cereal crops in fertile soils are likely to lodge. Lodging often decreases recoverable grain yields, and increases harvesting costs. Lodging also contributes to uneven maturity, higher moisture content, loss of grain quality due to sprouting and possible molding.

CERONE®-2 Plant Regulator reduces the plant height and increases the straw strength, thus providing greater resistance to lodging. A standing crop would allow for more efficient harvesting and improved grain recovery. CERONE®-2 Plant Regulator also reduces "necking" in barley and the resultant yield decrease due to ear loss prior to harvest.

IMPORTANT NOTES

Management practices aimed at maximizing grain yields can produce conditions conducive to disease development.

If rust, septoria, or mildew disease infestations are present, CERONE®-2 Plant Regulator treatment may enhance the severity of the disease.

Growers planning to use CERONE®-2 Plant Regulator should plant disease-resistant varieties or monitor their crop for disease and use effective fungicides.

Do not apply CERONE®-2 Plant Regulator to crops already lodged, severely infected with rust or other diseases, or damaged by insects.

Do not apply CERONE®-2 Plant Regulator to crops under severe moisture stress.

Do not add surfactants or wetting agents to CERONE®-2 Plant Regulator other than those recommended on this label.

Do not apply CERONE®-2 Plant Regulator if rain is expected within 5 hours.

CERONE®-2 Plant Regulator treatment provides greater resistance to lodging and therefore higher than normal rates of supplemental nitrogen can be considered. Consult local extension services for fertilizer recommendations.

For CERONE®-2 Plant Regulator to be effective, the average daytime temperature following application should reach at least 60° F. It requires at least 7 days for CERONE®-2 Plant Regulator to provide adequate lodging protection.

CERONE®-2 Plant Regulator treatment may produce undesirable secondary tillers in some spring barley varieties especially under moisture stress. Treatment is not recommended for Azure barley.

CERONE®-2 Plant Regulator should only be used in vigorously growing grain crops that are likely to lodge and which have maximum yield potential. Do not apply CERONE®-2 Plant Regulator to crops grown under low fertility conditions, or seeded later than locally recommended.

Dwarf or semi-dwarf wheat varieties with known good standability should not be treated with CERONE®-2 Plant Regulator.

DO NOT GRAZE OR FORAGE TREATED CROP OR CUT FOR HAY OR SILAGE.

Do not harvest barley or wheat treated with CERONE®-2 Plant Regulator sooner than 40 days after the last application.

COMPATIBILITY

CERONE®-2 Plant Regulator can be tank-mixed with most of the fungicides currently registered for wheat and barley. The addition of Triton CS-7 to Mancozeb wettable powder fungicide can be used in MN, ND and SD. Consult your local Rhône-Poulenc field representative for specific recommendations.

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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.
Read entire label before using this product.**

Barley and Wheat – Apply 1.0 to 2.0 pints CERONE®-2 Plant Regulator in 3 to 25 gallons water per acre by air or ground equipment. With low volume controlled droplet ground equipment, use a lower rate of CERONE®-2 Plant Regulator. Use the higher rate (2.0 pints) for extremely vigorous crops. Apply between early boot to late boot stages, but before the awns or spikes have begun to emerge. The spike or head should never be exposed to spray solution.

Make only one application per growing season and do not exceed a maximum rate of 2.0 pints.

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 regulations.

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 expectations pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. 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 48 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, waterproof gloves, shoes plus socks and protective eyewear.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

See the illustration below for growth stages and proper time for CERONE®-2 Plant Regulator application.



GROWTH DESCRIPTION	1st node detectable	2nd node detectable	Flag leaf just visible	Flag leaf ligule visible	Boot swollen	1st spikelet visible
Feekes – Large Scale	6	7	8	9	10	10.1
			----- RECOMMENDED TREATMENT TIME -----			

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STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

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

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the direction for use when it is used in accordance with such directions; and (c) 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, ANY 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 EXCLUSIVE 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

CERONE is a registered trademark of RHONE-POULENC.
CERONE®-2 Plant Regulator (PENDING) Submitted ___/___/93.