

Pr 25 1006
Pr # 264-380

ACCEPTED
JAN 11 1985
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under
EPA Reg. No. 264-380

PREP®
PLANT REGULATOR FOR COTTON

FOR COMMERCIAL USE OR AGRICULTURAL USE ONLY, NOT FOR RESIDENTIAL USE.

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS: SEE SIDE PANEL

ACTIVE INGREDIENT:		
ETHEPHON (2-Chloroethyl) Phosphonic acid*	39.9%
INERT INGREDIENTS:	60.1%

*This product contains 4 pounds ETHEPHON per gallon.

EPA Reg. No. 264-380

EPA Est. No. 264-PA-01

IN CASE OF EMERGENCY PHONE COLLECT (24 HOURS A DAY) IN U.S.A.
(304) 744-3487
FOR GENERAL INFORMATION CALL 800-334-9745

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
P. O. BOX 12014, T.W. ALEXANDER DRIVE
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709

GENERAL INFORMATION

A foliar spray of PREP® Plant Regulator will accelerate opening of mature unopened cotton bolls and enhance defoliation which can result in earlier harvest with an increased recoverable yield. PREP® Plant Regulator treatment allows increased efficiency from a once-over harvest.

Some premature drop of small, immature bolls may be associated with treatment. Do not apply before sufficient, mature, unopened bolls have developed to produce the desired yield of cotton.

A boll is mature when it is too hard to be dented when squeezed between thumb and fingers, too hard to be sliced with a sharp knife, and when the seed coat becomes light brown in color.

For best results, thorough and uniform spray coverage is required. It is essential that the bolls are contacted by the spray to obtain optimum boll opening. Observe treated fields closely. Harvest at optimum boll opening and defoliation, generally 14 to 21 days after treatment. Sustained cold weather (65 °F or lower) after treatment with PREP® Plant Regulator will delay the boll opening response.

Do not apply PREP® Plant Regulator if rain is expected within 6 to 8 hours.

Certified cotton seed growers should observe boll and seed maturity before treatment with PREP. Bolls not completely mature might open with PREP treatment giving lower quality seed.

PREP® Plant Regulator spray deposits, when left on aircraft acrylic plastic type windshields for longer than 1 hour, may react with this material, forming an opaque film or spots on the surface which cannot be removed. Rinse windshields with water immediately after each tankload of PREP has been applied. Thoroughly rinse the aircraft with clean water after each day PREP is applied.

PREP® Plant Regulator could also effect certain paints, and if accidental deposits on painted objects such as cars, trucks, agricultural equipment, etc. occurs, these objects should be rinsed with water as soon as possible (within 1 hour) to prevent permanent staining of the painted surface.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Boll Opening

I. California and Arizona

Apply a foliar spray of 1 to 2 quarts (1-2 lb. a.i.) of PREP® Plant Regulator in 5 to 50 gallons water/A when 30 to 60% of the bolls are open, and/or when there are sufficient mature, unopened bolls to produce the desired yield (See General Information Section). Do not tank mix PREP with any defoliant or desiccant.

II. Mid South (MS, AR, MO, West TN)

Apply a foliar spray of 2 quarts (2 lb. a.i.) of PREP® Plant Regulator in 2 to 50 gallons of water per acre when 50% or more of the bolls are open and/or when there are sufficient mature unopened bolls to produce the desired yield (See General Information Section). Use a minimum of 5 gallons of spray per acre on rank cotton to insure thorough coverage. If the cotton is overly rank and good spray coverage of the bolls with PREP is difficult, a pretreatment with defoliants might be useful to improve boll coverage with PREP.

III. Southeast and Southwest (AL, Cen. TN, GA, NC, SC, OK, TX, NM, also LA.)

Apply a foliar spray of 1 to 2 quarts (1 to 2 lb. a.i.) of PREP® Plant Regulator in 2 to 50 gallons of water per acre when 60% or more of the bolls have opened and/or when there are sufficient mature unopened bolls to produce the desired yield (See General Information Section).

Use the lower rate of 1 qt/Acre when warm and dry weather conditions (80°F or higher) are expected during the week following application and when the cotton is beginning to "cut out" due to mature boll load and/or relatively low levels of moisture and fertilizer.

The higher rate of 2 quarts/A is required when the foliage is dense and plants are still actively growing due to excessive moisture and fertilizer, or when cool, wet weather conditions (65°F) are expected. Use a minimum of 5 gallons of spray volume per acre for rank cotton to insure thorough coverage.

If the cotton is overly rank and good spray coverage of the bolls with PREP is difficult, a pretreatment with defoliant might be useful to improve boll coverage with PREP.

Note: Under optimum weather conditions (hot and dry), an application of PREP will aid in defoliation, increasing the efficiency of the defoliant chemicals used. Under these conditions the 2 quart per acre rate may eliminate the need for a defoliant treatment entirely. Observe the field for 7 days prior to deciding on use of defoliant.

Preconditioning For Defoliation

I. California and Arizona

PREP® Plant Regulator followed by defoliant: Apply a foliar spray of 1 to 2 pints (0.5 to 1 lb. a.i.) of PREP® Plant Regulator in 5 to 50 gallons water/A, 4 or more days prior to application of defoliant. Use of defoliants within the 4-day interval may result in decreased or slower boll opening response. Do not tank mix PREP with any defoliant or desiccant.

II. Southwest (OK, TX - excluding the Rio Grande Valley)

PREP® Plant Regulator followed by defoliant or tank mixed: Apply 1 to 2 pints (0.5 to 1 lb. a.i.) of PREP® Plant Regulator in 2 to 50 gallons water/A, 4 or more days prior to application of defoliant or tank mixed with defoliant.

COMPATIBILITY

PREP® Plant Regulator is compatible with DEF, FOLEX, DROPP, HARVADE, METHYL PARATHION, GUTHION AND MALATHION, and may be applied in sequence or as a tank mixture (do not tank mix with defoliant or desiccants in California and Arizona). In some cases slight reduction in boll opening response has been observed when tank mixes with defoliant were used. Good agitation in the spray tank is essential and a tank mixture should not be allowed to stand without agitation for more than 5 to 10 minutes. Read and observe all appropriate label use directions and precautions for the defoliant and insecticides used.

PRECAUTION: Do not tank mix PREP with defoliant containing sodium chlorate because this results in the formation of hypochlorous acids which upon heating emit toxic chlorine fumes.

When To Harvest: Do not harvest cotton sooner than 7 days after a treatment with PREP. Observe the treated crop and harvest when optimum boll opening has been reached. Too early harvest might reduce the full advantage of the treatment and too late a harvest may result in reduced quality and loss of lint which will drop from the plant.

USE PRECAUTIONS

Avoid spray drift to nearby crops as this product will cause modifications in plant growth. Plant injury or reduced yields will result.

Do not plant another crop within 30 days after treatment.

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

PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Causes skin damage. Do not get in eyes, on skin or on clothing. Wear protective clothing and goggles or face shield when handling. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food. Avoid inhalation of spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Remove and wash contaminated clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES, flush with water for at least 15 minutes and call a physician.

IF ON SKIN OR CLOTHING, remove clothing and wash skin thoroughly with soap and water, get medical attention.

IF INHALED, stop spraying and move to uncontaminated area. If swallowed, promptly drink a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Do not induce vomiting. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN

PREP possesses characteristics of a strong acid. Probable mucosal damage may contraindicate the use of gastric lavage or induction of vomiting. Measures against circulatory shock, respiratory depression and convulsion may be needed.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water used for irrigation or domestic purposes.

STORAGE AND DISPOSAL

STORAGE

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

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. 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) the empty containers, 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.

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