



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 24, 2021

Stephen Adams  
Senior Regulatory Affairs Manager  
Bayer CropScience  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

Subject: Registration Review Label Mitigation for Ethephon  
Product Name: Prep Brand Ethephon for Cotton and Tobacco  
EPA Registration Number: 264-418  
Application Dates: 04/25/2018  
Decision Numbers: 568395

Dear Mr. Adams:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Ethephon Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2  
EPA Reg. No. 264-418  
Decision No. 568395

If you have any questions about this letter, please contact Quinn Gavin by phone at 703-347-0325, or via email at [gavin.quinn@epa.gov](mailto:gavin.quinn@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a stylized flourish at the end.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

# PREP<sup>TM</sup> brand Ethephon FOR COTTON AND TOBACCO

**For Commercial Use Or Agricultural Use Only. Not For Residential Use**

<b>ACTIVE INGREDIENT:</b> Ethephon (2-Chloroethyl) phosphonic acid* .....	<b>55.4%</b>
<b>OTHER INGREDIENTS:</b> .....	<b>44.6%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

\*This product contains 6 pounds ethephon per gallon.

**EPA Reg. No. 264-418**

**EPA Est. No.**

## 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 1-866-99BAYER (1-866-992-2937)

Please refer to [back panel] [booklet] for additional precautionary statements and directions for use. [Note to reviewer: Location of additional precautionary statements and directions for use will vary between those listed, depending on container type/size.]

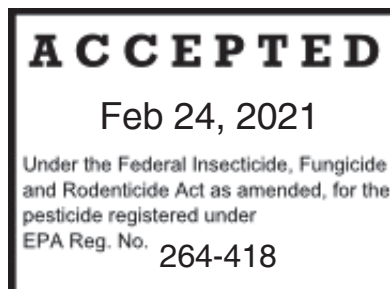
### FIRST AID

<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

**For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.**

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.**

**NOTE TO PHYSICIAN:** Treat symptomatically. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. No specific antidote is available. Probable mucosal damage may contraindicate the use of gastric lavage



# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

**CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirts and short pants, chemical resistant gloves made out of any waterproof material (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils), chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure and chemical-resistant apron when cleaning equipment or mixing and loading.

Discard clothing and other absorbent 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.

Users should remove clothing immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing.

## ENVIRONMENTAL HAZARDS

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.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

## USE PRECAUTIONS

Do not apply PREP™ brand Ethephon for Cotton and Tobacco through any type of irrigation system.

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

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

## 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 regulations. Read entire label before using this product.

### 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), 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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours. The REI is 72 hours in areas where average rainfall is less than 25 inches per year.

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 over long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, such as nitrile, butyl, neoprene, or barrier laminate, chemical resistant footwear plus socks, and protective eyewear. For overhead exposure, chemical-resistant headgear is also required.

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

### SPRAY DRIFT MANAGEMENT

#### Aerial Applications:

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a fine to medium or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a fine to medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Airblast Applications:

- Direct spray into the canopy.
- Turn off outward pointing nozzles at row ends and when spraying outer rows.

## **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size - Ground Boom**

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size - Aircraft**

- **Adjust Nozzles** - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

### **BOOM HEIGHT- Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **BOOM-LESS GROUND APPLICATIONS**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for spray drift.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

### **WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

## PRODUCT INFORMATION

### COTTON

A foliar spray of PREP™ brand Ethephon for Cotton and Tobacco will accelerate opening of mature unopened cotton bolls and enhance defoliation which can result in earlier harvest with an increased recoverable yield. PREP™ brand Ethephon for Cotton and Tobacco treatment on cotton allows increased efficiency from a once-over harvest.

**TOBACCO (FLUE-CURED):** A foliar spray of PREP™ brand Ethephon for Cotton and Tobacco promotes early, uniform "yellowing" of mature tobacco. PREP™ brand Ethephon for Cotton and Tobacco reduces curing time, allowing more efficient use of curing barn space, and increased control over harvest schedules.

### 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 PREP™ brand Ethephon for Cotton and Tobacco, and the remaining amount of water. Prepare only as much spray solution as can be used on the day of mixing. Do not allow spray solution to stand overnight. Do not spill the concentrated product on spray equipment, or any airplane parts.

ANY SPILLS SHOULD BE RINSED IMMEDIATELY WITH PLENTY OF WATER.

Use of a nurse tank is highly recommended for avoiding possible spills of concentrated formulation on spray equipment or any airplane parts.

### TANK MIXTURES WITH DEFOLIANTS AND INSECTICIDES

PREP™ brand Ethephon for Cotton and Tobacco is compatible with DEF®, FOLEX®, Dropp®, Dropp® Ultra™, Ginstar®, Harvade®, Methyl Parathion, Guthion®, and Malathion™. PREP™ brand Ethephon for Cotton and Tobacco may be applied in sequence or as a tank mixture (DO NOT TANK MIX WITH DESICCANTS IF COTTON IS TO BE SPINDLE HARVESTED). Follow all applicable use precautions and rate per acre recommendations on labels of products applied as tank mixtures or in sequence with PREP™ brand Ethephon for Cotton and Tobacco. In some cases slight reduction in boll opening response has been observed when tank mixes with defoliants 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 defoliants and insecticides used.

**NOTE:** UNDER CERTAIN CONDITIONS, TANK MIXTURES OF PREP™ BRAND ETHEPHON FOR COTTON AND TOBACCO WITH DESICCANTS CONTAINING SODIUM CHLORATE COULD RESULT IN THE FORMATION OF HYPOCHLOROUS ACIDS WHICH ON HEATING WILL EMIT TOXIC CHLORIDE FUMES.

DO NOT MIX PREP™ BRAND ETHEPHON FOR COTTON AND TOBACCO WITH AMMONIUM THIOSULFATE. SUCH TANK MIXTURES MAY RESULT IN FORMATION OF TOXIC FUMES.

### 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 a 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 a detergent and water all the metal parts of the aircraft and the associated spray equipment exposed to the spray deposits.

## COTTON

USE	EXPECTED CONDITIONS	PREP™ BRAND ETHEPHON FOR COTTON AND TOBACCO RATE		ONE GALLON P REP™ BRAND ETHEPHON FOR COTTON AND TOBACCO TREATS	MINIMUM SPRAY VOLUMES (Gals/A)*		APPLICATION TIMING
		Pints/A	LBS A.I.	Acres	Ground	Air****	
<b>PREP™ brand ETHEPHON FOR COTTON AND TOBACCO Boll Opener**</b>	Hot and dry 80°F or higher	1 1/3	1.0	6			Apply when the number of mature unopened bolls is sufficient to produce the desired crop. See below for test of boll maturity. Treatment uniformly opens bolls 7 to 14 days earlier.
	Dry and 75 to 80°F	2	1.5	4	10	2	
	Cool but above 65°F or Rank cotton	2 2/3	2.0	3			
<b>PREP™ brand ETHEPHON FOR COTTON AND TOBACCO + FOLEX® Defoliant Tank Mix***</b>	High soil moisture or High fertility level or Rank cotton	1/3	0.25	24	10	5	Apply 4 to 7 days prior to PREP™ brand Ethephon for Cotton and Tobacco boll opening application. To be used as a sequential treatment with, not in place of PREP™ brand Ethephon for Cotton and Tobacco boll opening treatment.
<b>PREP™ brand ETHEPHON FOR COTTON AND TOBACCO + Dropp Defoliant Tank Mix***</b>	High soil moisture or High fertility level or Rank cotton	1/3	0.25	24	10	3	Apply 4 to 7 days prior to PREP™ brand Ethephon for Cotton and Tobacco boll opening application. To be used as a sequential treatment with, not in place of PREP™ brand Ethephon for Cotton and Tobacco boll opening treatment.
<b>Pre-Conditioner for Defoliation</b>	Hot, dry, above 80°F Cool, above 65°F or Rank cotton	2/3 1 1/3	0.5 1.0	12 6	10	2	Apply 4 to 7 days prior to defoliant. Enhances top crop defoliation reducing deterioration of bottom crop and allows for earlier harvest.

\* For best performance, by ground or air application, choose equipment and spray volumes that will insure uniform coverage of foliage and bolls.

**\*\* Pretreatment With Defoliants Prior to PREP™ brand Ethephon for Cotton and Tobacco Boll Opening Treatment:**  
If the cotton is overly **rank** or laying down in the **middles** and good spray coverage of the bolls with PREP™ brand Ethephon for Cotton and Tobacco is difficult, a pretreatment with defoliants will be useful to improve boll coverage with PREP™ brand Ethephon for Cotton and Tobacco. Use dosage rates of PREP™ brand Ethephon for Cotton and Tobacco recommended for boll opening. Read and observe all appropriate label use directions and precautions for the defoliant used.

\*\*\* Can use up to full label rate for each product.

\*\*\*\* In California and Arizona use a volume of no less than 5 gallons per acre for aerial applications.

### Boll Maturity

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.



## Use Limitations

- Do not exceed a maximum of 2.0 lb. ethephon active ingredient per acre per year through combined or repeated uses of any ethephon products.
- Boll Opening: Do not tank mix PREP™ brand Ethephon for Cotton and Tobacco with a desiccant if the cotton is to be spindle harvested.
- Pre-Condition for Defoliation: Do not tank mix PREP™ brand Ethephon for Cotton and Tobacco with desiccants unless plant desiccation is required. Do not use a defoliant before there is sufficient mature unopened bolls to produce the desired yield (see General Information section on how to test for boll maturity).
- DO NOT APPLY PREP™ BRAND ETHEPHON FOR COTTON AND TOBACCO IF RAIN IS EXPECTED WITHIN 6 HOURS. Rainfall within 6 hours of application may reduce product performance.
- Do not plant another crop within 30 days after treatment. Small grains planted earlier than 1 month or intercropped with the cotton crop to which PREP™ brand Ethephon for Cotton and Tobacco will be applied may only be used as cover crops and may not be harvested for food or feed. PREP™ brand Ethephon for Cotton and Tobacco may cause yellowing and growth inhibition of treated small grains.

## WHEN TO HARVEST COTTON

Do not harvest cotton sooner than 7 days after a treatment with PREP™ brand Ethephon for Cotton and Tobacco.

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.

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## TOBACCO (Flue-Cured Only)

Crop Situation	PREP™ brand Ethephon for Cotton and Tobacco Pints/Acre	Minimum Spray Volumes Gallons/ Acre	Specific Directions
Directed Spray Application	1 1/3	50	Use drop nozzles. Choose TG or OC spray tips designed to apply 50 - 60 gpa at 35-40 psi and at tractor speed of 2-3 mph. Use 2 nozzles per row; one on each side of the row dropped low enough to direct the spray to the leaves to be ripened and harvested. Thorough spray coverage is essential. With a directed spray, be sure to harvest all leaves with 20% or more yellowing.
Over-The-Top Application	1 1/3 – 2 2/3	40	Treat only when leaves remaining on the stalk are mature. To ensure remaining leaves are mature, test spray several tobacco plants as described under the section "Proper Time of Treatment." Use the lower rate in a normally mature crop when experience indicates that minimum ripening inducement is required. Use the higher rate when the crop is heavy and has a tendency to be more rank or when temperatures are lower than normal. Always test spray to determine if the tobacco is mature enough to respond to treatment with PREP™ brand Ethephon for Cotton and Tobacco.  Apply over-the-top PREP™ brand Ethephon for Cotton and Tobacco spray as a fine mist using three nozzles (one nozzle tip over the center of the plant, and one on each side) so all leaves are covered thoroughly, similar to the application pattern of systemic sucker control agents. Use a spray pressure of 40 to 60 psi.

## USE LIMITATIONS

- Do not apply PREP™ brand Ethephon for Cotton and Tobacco to immature leaves as this can result in unsatisfactory coloring, weight loss and reduced leaf quality.
- Do not allow the crop to over ripen in the field after using PREP™ brand Ethephon for Cotton and Tobacco, since this may cause some reduction in yield and quality.
- Do not treat before anticipated major storm which could prevent harvest and result in crop loss.
- DO NOT APPLY PREP™ BRAND ETHEPHON FOR COTTON AND TOBACCO IF RAIN IS EXPECTED WITHIN 6 HOURS. Rainfall within 6 hours of application may reduce product performance.
- Do not use PREP™ brand Ethephon for Cotton and Tobacco with additives other than recommended on this label.
- Do not plant another crop within 30 days after treatment.
- Do not exceed a maximum of 2 lbs ethephon active ingredient per acre per year through repeated uses of any ethephon products.

## APPLICATION TIMING

Successful results with PREP™ brand Ethephon for Cotton and Tobacco call for treatment when leaves are mature, not overly rank green when sprayed. To easily determine the proper treatment timing and the number of leaves per stalk ready for harvest, test spray several plants in more than one location in each field and observe the response. Mature leaves will begin to yellow in 24 to 72 hours. Test leaves that fail to yellow in 72 hours are not mature and are not ready for PREP™ brand Ethephon for Cotton and Tobacco treatment. Wait a few days to permit further natural maturing, then make another test spray or "maturity" check.

To avoid quality loss and or possible leaf drop, harvest any yellowed leaves prior to application. Use lower rates under most conditions. Limit use of higher rates to cool (below 65°F at the time of treatment) slow ripening conditions.

When you have confirmed the desired number of leaves per plant that will color, you can determine the number of acres to treat in order to fill the barn.

Prepare your test spray by mixing one teaspoon of PREP™ brand Ethephon for Cotton and Tobacco in 1 quart of water. Spray each test plant with about 1 oz. of this mixture, covering all leaves with a fine mist. PREP™ brand Ethephon for Cotton and Tobacco will not color immature sprayed leaves.

## WHEN TO HARVEST

All mature, sprayed leaves will begin to color within 24 to 72 hours after PREP™ brand Ethephon for Cotton and Tobacco application. The yellowing process is weather dependent; cool weather will delay, while hot, sunny weather can speed up the process. Harvest treated tobacco when leaves have reached the desired color intensity.

Harvest can commence 48 hours after PREP™ brand Ethephon for Cotton and Tobacco application. To determine harvest timing and avoid quality loss or leaf drop, closely monitor treated crop and weather conditions.

## CURING PREP™ BRAND ETHEPHON FOR COTTON AND TOBACCO TREATED TOBACCO

Curing procedures are as much an art as a science and each cure must be judged on the basis of tobacco condition, interval between treatment and harvest, weather and type of curing facility before prescription temperature and ventilation schedules can be established. To obtain maximum quality, care must be taken to observe and control the curing process closely, especially during the late "coloring" and early "drying" stages of the leaf.

PREP™ brand Ethephon for Cotton and Tobacco treated tobacco will have started the coloring process when harvested, reducing the time required in the coloring phase of curing. Treated tobacco should be dried faster. If tobacco leaves are green or contain some green when harvested, it may be necessary to color them for a few hours. If the leaves are completely yellow, temperature and ventilation must be adjusted in a manner to dry the tobacco as fast as possible without scalding. Once the leaf is dried (3/4 dry), you should follow normal procedures for curing. Since PREP™ brand Ethephon for Cotton and Tobacco treated leaves cure faster, treated and untreated leaves should not be cured together in the same barn.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in a cool, dry place and away from food, feed and other pesticides. **IF SPILLED:** If container is broken or contents have spilled, follow all precautions indicated above and clean up immediately. Before cleaning up, put on full length trousers, long sleeved shirt, protective gloves, and goggles or face shield. Soak up spill with absorbent media such as sand, earth or other suitable material and dispose of waste at an approved waste disposal facility.

### 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

#### **Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons)**

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

#### **Rigid Non-refillable containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)**

##### **Non-refillable Containers**

Non-refillable containers - Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

##### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of

the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs).**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

**Refillable Containers**

Refillable container – Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. Do not reuse this container for any other purpose. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781) or rinse and either recycle or dispose of the container as follows:

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs).**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

**Refillable Containers**

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

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**NET CONTENTS: 2.5 GALLONS**

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PREP™ brand Ethephon for Cotton and Tobacco (PENDING) 09/28/2018, 02/06/2019, 12/14/2020