



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 30, 2025

Jayne Walz  
Director of Registrations  
Registration Department  
Helena Agri-Enterprises, LLC  
225 Schilling Blvd, Suite 300  
Collierville, Tennessee, 38117

Subject: Label Amendment - Registration Review Mitigation for Ethephon  
Product Name: **OMNI BRAND ETHEPHON 6 lb.**  
EPA Registration Number: 5905-616  
Application Date: 07/23/2021  
Decision Number: 577315  
Case Number: 00479012

Dear Jayne Walz:

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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Samantha Thomas by phone at 202-566-2368, or via email at [thomas.samantha@epa.gov](mailto:thomas.samantha@epa.gov).

Sincerely,

A handwritten signature in cursive script, reading "Cathryn Britton".

Cathryn Britton  
Chief, Risk Management and Implementation  
Branch V  
Pesticide Re-evaluation Division (7508M)  
Office of Pesticide Programs

ENCLOSURE: Stamped label

**ACCEPTED**

Jan 30, 2025

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 5905-616

**OMNI BRAND ETHEPHON 6 LB**

**FOR COMMERCIAL USE OR AGRICULTURAL USE ONLY  
NOT FOR RESIDENTIAL USE**

**ACTIVE INGREDIENT:**

Ethephon (2-Chloroethyl) phosphonic acid\* .....55.4%

**INERT INGREDIENTS:** .....44.6%**TOTAL** .....100.0%

**\*This product contains 6 pounds ethephon per gallon**

**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 this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<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>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>Do not</b> give anything by mouth to an unconscious person.</li><li>• <b>Do not</b> induce vomiting unless told to by a poison control center or doctor.</li></ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptomatically, as there is no specific antidote. Additionally, patient may have been exposed to materials other than this product. This product is an acid; therefore, it is contraindicated to attempt to neutralize it with alkaline materials. Gastric lavage should be undertaken with care to victims of overexposure by ingestion, given the potential for esophageal or stomach perforation. Due to a potential for pulmonary edema, any patients that have had severe exposure to this product should be kept under medical observation for up to 72 hours.	
<b>HOTLINE NUMBER</b>	
<b>EMERGENCY TELEPHONE NUMBERS:</b> Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
<b>FOR CHEMICAL EMERGENCY:</b> Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300	

**Refer to side panel for additional precautionary statements.**

EPA Reg. No. 5905-616  
EPA Est. No. 69352-CHN-001

AD 032218  
NET CONTENTS: \_\_\_\_\_

**Manufactured For:**  
Helena Agri-Enterprises, LLC  
225 Schilling Boulevard, Suite 300  
Collierville, TN 38017

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Causes irreversible eye damage and skin burns. Harmful if swallowed. Harmful if absorbed through skin. **Do not** get in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Coveralls over long-sleeved shirt and long pants.
2. Chemical-resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber, or butyl rubber.
3. Chemical-resistant footwear plus socks
4. Protective eyewear (goggles, face, shield, or safety glasses).
5. Chemical-resistant headgear for overhead exposure.
6. Chemical-resistant apron when mixing or loading or cleaning equipment.

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 and maintaining PPE. If no such instructions for washables exist, 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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### 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 domestic purposes or irrigation.

**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** plant another crop within 30 days after treatment.

When preparing a spray solution of this product, **do not** mix any more spray solution than is needed for applications to be made that day. When applications are finished for the day, dispose of any remaining spray solution in a manner as directed by this label.

**Do not** apply Omni Brand Ethephon 6 lb 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.

## 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 regulation.

### SPRAY DRIFT

#### 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 ½ 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 ground applications 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.

## 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 manufacturer's 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.

**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.

**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, 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 increases to 72 hours in outdoor areas where average rainfall is less than 25 inches a 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:

1. Coveralls over long-sleeved shirt and long pants.
2. Chemical-resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber, or butyl rubber.
3. Chemical-resistant footwear plus socks.
4. Protective eyewear.
5. Chemical-resistant headgear for overhead exposure.

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

## 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.

### TO CONTAIN A SPILL

Be sure to wear the following when dealing with a spill of this product: Goggles or face shield, long-sleeved shirt, protective gloves, and full-length trousers. Surround the spill with a barrier and then absorb liquid by covering it with cat litter, sand or a commercial clay. If the product container is damaged, place the entire container along with the product in a secure receptacle and clearly label the contents. For any type of product spill, avoid contact with the spilled product and evacuate the area, keeping all unprotected persons and animals at a safe distance.

### 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 HANDLING

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

Nonrefillable container. **Do not** reuse or refill this container. Triple 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. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.

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

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. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.



## PRODUCT INFORMATION

### COTTON

Omni Brand Ethephon 6 lb used as a foliar spray will improve boll opening of mature bolls that are unopened and assist in overall defoliation, which can result in improved yields and earlier harvesting. Foliar sprays of Omni Brand Ethephon 6 lb promote once-over harvesting that can increase efficiency.

### TOBACCO (FLUE-CURED)

A foliar spray of Omni Brand Ethephon 6 lb promotes early and uniform maturing of tobacco. Omni Brand Ethephon 6 lb reduces curing time, allowing more efficient use of curing barn space, and increased control over harvest schedules.

### SPRAY PREPARATION

Begin by filling the spray tank with 1/2 to 3/4 of the necessary spray volume and begin agitation. The required amount of Omni Brand Ethephon 6 lb and remaining amount of water can then be added. Prepare only as much spray solution as can be used on the day the product and water are mixed. **Do not** allow spray solution to stand overnight. Prevent spillage of concentrated product onto airplane parts or spray equipment.

### ANY SPILLS SHOULD BE RINSED IMMEDIATELY WITH PLENTY OF WATER.

This product is corrosive. Therefore, spills of concentrated product on the aircraft or other spray equipment should be avoided. Should such contact be made, immediately rinse with 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

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

When tank-mixing or applying products in conjunction with Omni Brand Ethephon 6 lb, you must observe all applicable use precautions and recommended application rates on each product's label. This product, when tank-mixed with defoliants, may slightly inhibit boll-opening response.

Adequate agitation is essential in the spray tank. Tank mixtures need continuous agitation; **do not** allow to stand more than 5 to 10 minutes without agitation. Appropriate label use directions and precautions concerning defoliants and insecticides must be carefully read and observed.

### IF COTTON IS TO BE SPINDLE PICKED DO NOT MIX WITH DESICCANTS.

**OMNI BRAND ETHEPHON 6 LB, WHEN TANK MIXED WITH SODIUM CHLORATE DEFOLIANTS. FORMS HYPOCHLOROUS ACIDS THAT UPON HEATING EMIT TOXIC CHLORINE FUMES. TANK MIXTURE OF THIS PRODUCT WITH SODIUM CHLORATE DEFOLIANTS IS PROHIBITED.**

### EQUIPMENT CLEANING

OMNI BRAND ETHEPHON 6 LB is an acid based product and prolonged exposure to deposits will cause damage to metals, acrylic plastics and certain paints.

Within an hour of any contact with spray deposits, you should carefully rinse all exposed acrylic plastic-type materials, like aircraft windshields, and painted surfaces with detergent and water.

When applications are complete for the day, you should carefully rinse any and all metal parts of the aircraft and any spray equipment that has been in contact with spray deposits with a detergent and water solution.



# COTTON

PRODUCTS USED	WEATHER CONDITIONS	RATE OF APPLICATION		ONE GALLON TREATS	SPRAY VOLUME Gallons/Acre		TIMING
		PT/A	LB AI	ACRES	GROUND	AIR**	
OMNI BRAND ETHEPHON 6 LB*	80°F or higher, hot and dry	1 1/3	1.0	6	10-50	2 - 5	Test for boll maturity* and when sufficient mature bolls for desired yield are present make application. Bolls open 7 to 14 days earlier when treated.
	75° to 80° F and Dry	2	1.5	4			
	Above 65° F but cool or Rank cotton	2 2/3	2	3			
OMNI BRAND ETHEPHON 6 LB + FOLEX Defoliant Tank Mix	Cotton that is rank Or Has excess Fertility or Soil moisture	1/3	0.25	24	10 - 50	5 - 10	As a sequential treatment apply 5 to 7 days prior to Omni Brand Ethephon 6 lb boll opening application but NOT instead of the Omni Brand Ethephon 6 lb boll opening treatment
OMNI BRAND ETHEPHON 6 LB + Thidiazuron	Cotton that is rank Or Has excess Fertility or Soil moisture	1/3	0.25	24	10 - 50	3 - 10	As a sequential treatment apply 5 to 7 days prior to Omni Brand Ethephon 6 lb boll opening application but NOT instead of the Omni Brand Ethephon 6 lb boll opening treatment.

For Use as a Pre-Conditioner for Defoliation	WEATHER CONDITIONS	RATE OF APPLICATION		ONE GALLON TREATS	SPRAY VOLUME Gallons/Acre		TIMING
		PT/A	LB A.I.	ACRES	GROUND	AIR	
	Above 80° F, Hot and Dry	2/3	0.5	12	15-50	2-5	
	Above 65°F and Cool  or  Rank cotton	1 1/3	1.0	6			Omni Brand Ethephon 6 lb should be used 5 to 7 days before use of a defoliant. Used to promote top crop defoliation to prevent bottom crop deterioration and allow earlier harvest.

A pretreatment with a defoliant will enhance spray coverage when using Omni Brand Ethephon 6 lb in a boll opening treatment on cotton that has excessive vegetative growth or otherwise is spread across the middles. Use boll opening rates of Omni Brand Ethephon 6 lb as recommended. Observe label recommendations for the defoliant used and follow all label directions and precautions.

**\*\*NOTE:** For aerial applications in Arizona and California, use an application rate of at least 5 gallons of water per acre.

#### **Boll Maturity**

A boll is mature when it is difficult to make a crosswise cut with a sharp knife, and when the outer seed coat has changed from white to a tan or light brown color. In addition, when squeezed between the thumb and fingers, a mature boll will not dent.

#### **Use Limitations**

- Maximum labeled rate of Omni Brand Ethephon 6 lb is 2.0 lb ai for combined uses of Omni Brand Ethephon 6 lb (or other ethephon containing products) per acre per year. **Do not** exceed 2.0 lb ai/A/year.

- Boll Opening: If cotton is to be spindle picked **do not** mix with desiccants.

- Pre-Condition for Defoliation: Omni Brand Ethephon 6 lb and desiccants should not be tank mixed unless desiccation is desired. The use of a defoliant before there are sufficient mature unopened bolls can reduce expected yield.

#### **When to Harvest**

Allow 7 days after a treatment with Omni Brand Ethephon 6 lb before harvesting. Harvest may commence at the point of optimum boll opening; however, please note that premature harvesting could reduce the boll opening advantage of the treatment and a delayed harvest could reduce quality and affect total yield due to lint dropping from the plant.

**TOBACCO**  
**(Flue-Cured Only)**

APPLICATION TYPE	RATE OF OMNI BRAND ETHEPHON 6 LB (PT/A)	SPRAY VOLUME (GAL/A)	REMARKS
Directed Spray	1 1/3	50-60	Drop nozzles recommended. When selecting spray tips, use types TG or OC built to dispense 50-60 gallons of spray solution per acre at a tractor speed of 2-3 mph and a pressure of 35-40 psi. Place one nozzle on each side of the row and point the sprays at the leaves that are to be ripened and harvested, so as to ensure coverage. After this kind of application, it is essential to harvest any and all leaves showing yellowing of 20% or more.
Over-The-Top	1 1/3-2 2/3	40-60	Once the rest of the leaves on the stalk have reached maturity, you may make an Over-the-Top application. Follow directions as described under the section "Application Timing" to ensure that leaves are mature. When it appears that a normally mature crop requires some slight inducement in ripening, you may use the low usage rate. The high usage rate is advised under cooler than normal temperatures, and when plants have a predisposition to be rank and heavy. Test spray to verify maturity before spraying as outlined in "Application Timing". Use three nozzles (one nozzle on each side of the row and one over the center of the row). Select nozzles that produce a fine mist and provide thorough coverage of all leaves, calibrated to apply appropriate volume at 40 to 60 psi.

**USE LIMITATIONS**

- Applications of Omni Brand Ethephon 6 lb to immature leaves can result in loss of weight, reduced leaf quality and substandard coloring.
- Reduction in quality and yield may result from letting the crop over-ripen in the field following an application of this product.
- Treatment with Omni Brand Ethephon 6 lb should be delayed if inclement weather is expected that could prevent harvest.
- Applications of Omni Brand Ethephon 6 lb should not be made if rain is anticipated within 6 hours. Rainfall within this time period may reduce desired benefits.

## APPLICATION TIMING

For the best results Omni Brand Ethephon 6 lb should be applied when leaves have reached maturity and are not overly rank and green. Treatment timing and the number of leaves per stalk ready for harvest can be determined by test spraying several plants in various portions of the field and observing the response. Yellowing of a mature leaf will begin in 24 to 72 hours. If within 72 hours treated leaves fail to yellow this is an indication that they are not mature and will not respond to Omni Brand Ethephon 6 lb. Repeat above procedure after several days of natural maturing to verify proper application timing.

Determine the number of acres to be treated for available curing barn space by calculating the number of leaves per plant that will color.

**TEST SPRAY MIXTURE DIRECTIONS:** (1) Mix one tsp of this product into 1 qt of water. (2) Apply approximately 1 oz of this solution to every test plant. Be sure to cover each entire plant with a light mist. (3) If treated leaves **do not** color, then they are immature.

## WHEN TO HARVEST

Coloring of all mature leaves will begin within 24 to 72 hours post application of Omni Brand Ethephon 6 lb. Weather conditions such as, hot and sunny conditions can speed up the process while cool weather will delay the yellowing process. Treated leaves can be harvested when desired color intensity has been achieved.

**Do not** allow tobacco to become over ripe before starting harvest. Leaf drop can occur when tobacco is over ripe and left on the stalk. If a number of the bottom leaves have yellowed at the time of treatment, they should be harvested prior to spraying with Omni Brand Ethephon 6 lb.

With an over-the-top application, harvesting can begin 48 hours after Omni Brand Ethephon 6 lb application depending on weather conditions or to avoid over ripe tobacco. Tobacco harvested 48 hours after treatment may require more time in the coloring phase of the curing process.

## CURING OMNI BRAND ETHEPHON 6 LB TREATED TOBACCO

Experience in the curing procedures can be helpful in assessing tobacco condition and the time interval between treatment and harvest. Curing facilities vary greatly and along with weather conditions must be included before prescription temperature and ventilations schedules can be implemented. During the stages of late coloring and early drying of the leaves, great care must be observed.

The coloring process of Omni Brand Ethephon 6 lb treated tobacco will have begun when harvested, which can reduce the coloring phase time of curing. Drying treated tobacco faster should be considered. Additional coloring time of a few hours may be required if tobacco leaves are green or contain some green when harvested. Temperature and ventilation should be adjusted to dry tobacco as fast as possible without scalding if the leaves were completely yellow at harvest.

**CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**  
**Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Agri-Enterprises, LLC (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is

reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. To the extent consistent with applicable law, The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Agri-Enterprises, LLC's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent consistent with applicable law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.