

228-659

5/7/2010

10/11



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms Mary Beth Endres
Nufarm Americas Inc
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

MAY 7 2010

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4 and 98-10
Storage & Disposal and Other Changes (**Warranty Statements**)

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 98-10 dated April 21, 2010 for:

EPA Registration 228-659 Ethephon E-AG 6 Plant Growth Regulator

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10, and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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(A)	United States Environmental Protection Agency EPA Office of Pesticide Programs (H7505C) Washington, DC 20460 Application for Pesticide:	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number Please Attach An Original Form
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Section I		
1. Company/Product Number 228-659	2. EPA Product Manager Tony Kish	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Ethephon E-AG 6 Plant Growth Regulator	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section II	
<input type="checkbox"/> Amendment - Explain Below <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other - explain below

NOTIFICATION
MAY - 7 2010

Explanation: Use additional page(s) if necessary. (For Section I and Section II).

Notification of label change per PR Notice 2007-4 and 1998-10. Notification of label change per PR Notice 2007-4 and PR Notice 1998-10. This notification is consistent with the guidance in PR Notice 2007-4 and PR Notice 1998-10 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, 156.156 and 152.46. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of PR Notice 1998-10 and 40 CFR §§ 156.10, 156.140, 156.144, 156.146, 156.156 and 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <i>*Certification must be submitted.</i>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," Unit Package Wt. No. Per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," Package Wt. No. Per Container	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label or <input checked="" type="checkbox"/> Container		4. Size(s) of Retail Container 1 - 250 gallons and bulk	5. Location of Label Directions <input checked="" type="checkbox"/> On Label or <input checked="" type="checkbox"/> On Labeling accompanying product
6. Manner In Which Label Is Affixed To Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other (Self-Adhesive Integrated Label/Booklet) <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled			

Section IV		
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Mary Beth Endres	Title Registration Manager	Telephone No. (Include Area Code) 630-455-2000

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager	
4. Typed Name Mary Beth Endres	5. Date 04-21-2010	



Nufarm Americas Inc.

150 Harvester Drive, Suite 200

Burr Ridge, IL 60527

Telephone: (630) 455.2000 Facsimile: (630) 455.2001

www.us.nufarm.com

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Overnight Courier

April 21, 2010

Linda Arrington
Notification and Minor Formulations Team Leader
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

**Subject: Container Disposal Statements per PR Notice 2007-4
Updated Warranty per PR Notice 98-10**

Product: Ethephon E-AG 6 Plant Growth Regulator, EPA Reg. No. 228-659

Dear Ms. Arrington:

Nufarm is requesting to update the Container Disposal statements per PR Notice 2007-4 and to change the warranty from the Etigra standard warranty to the Nufarm standard warranty statement per PR Notice 1998-10.

In support of this action, please find enclosed:

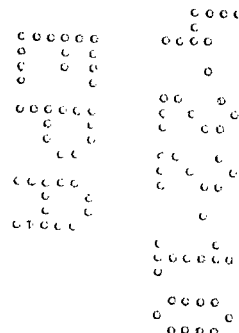
- Application for Pesticide Registration (8570-1)
- 2 copies of the label containing the revised wording (1 copy highlighted).
- 1 CD containing an electronic copy of the proposed label with revised wording.

Should you have any questions please contact me at the address and telephone number above or by email listed below.

Sincerely,

Mary Beth Endres
Registration Manager
Nufarm Americas Inc.
Email: maryb.endres@us.nufarm.com

Enclosures



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Ethephon E-AG 6

Plant Growth Regulator

[alternate brand names]

[Super Boll® Plant Regulator]

FOR USE ON COTTON AND TOBACCO
NOT FOR USE IN RESIDENTIAL AREAS

ACTIVE INGREDIENT:

Ethephon: (2-Chloroethyl) phosphonic acid* 55.4%

OTHER INGREDIENTS: 44.6%

TOTAL 100.0%

* 1 gallon contains 6 lbs. ethephon.

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.)

See inside booklet for **FIRST AID** and **PRECAUTIONARY STATEMENTS**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

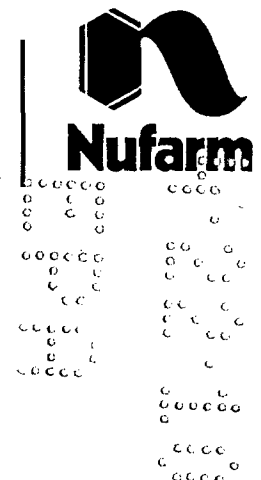
For Medical Emergencies Only, Call (877) 325-1840

Product of China or USA.
Formulated in the United States with U.S. and imported ingredients.

This product contains ethephon, the active ingredient used in Prep® brand ethephon for cotton and tobacco.

EPA REG. NO. 228-659
EPA EST. NO.

Manufactured For
NUFARM AMERICAS INC.
150 Harvester Drive
Burr Ridge, IL 60527



NET CONTENTS: Gal. (L)

000228-00659.20100421.EPA_N_PRN2007-4

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FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	
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 / PELIGRO**

CORROSIVE. Causes skin burns and irreversible eye damage. Harmful if swallowed and/or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear such as goggles, face shield or safety glasses. Wash hands 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 (PPE):

Applicators and other handlers must wear:

- 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
- Protective eyewear (goggles, face shield or safety glasses)
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or 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 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
<p>Users Should:</p> <ul style="list-style-type: none"> • Wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • 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.

SPRAY DRIFT MANAGEMENT

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the airstream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information below.

Aerial Drift Reduction Advisory Information

[This section is advisory in nature and does not supersede the mandatory label requirements.]

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see "Wind", "Temperature and Humidity", and "Temperature Inversions").

Controlling Droplet Size

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

Boom Length

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

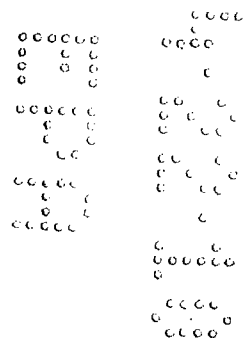
Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

Sensitive Areas

This pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

USE PRECAUTIONS:

- Do not apply this product through any type of irrigation system.
- Do not allow spray to drift to nearby crops as this product will affect plant growth resulting in injury or reduced yields.
- Do not prepare more spray solution than can be used in one day. Clean out the spray tank after use and do not allow the spray solution to remain in the sprayer overnight.



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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. 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. Read the 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) and 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
- Protective eyewear (goggles, face shield or safety glasses)
- Chemical-resistant headgear for overhead exposure

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

GENERAL INFORMATION

This product is a plant growth regulator which penetrates plant tissues and degrades to ethylene which affects the growth process of the plant. This product can be applied as foliar applications to cotton to accelerate boll opening and improve defoliation. These features permit harvest to occur sooner and more efficiently, and may increase yields compared to untreated cotton fields. When this product is applied as foliar sprays to mature tobacco (flue-cured), the leaves uniformly turn yellow. This feature provides flexibility in scheduling harvest and also reduces curing time.

MIXING DIRECTIONS

Caution: Do not prepare more spray solution than required for one day's use. Do not allow the spray solution to stand overnight. Avoid spilling the concentrated product on any spray equipment or on airplane parts (a nurse tank is recommended to help prevent spills). CLEAN UP SPILLS IMMEDIATELY BY FLUSHING WITH PLENTY OF WATER.

- Fill the spray tank 1/2 to 3/4 full of water. Agitate the water and continue agitation throughout mixing and spraying operations.
- Add [Ethephon E-AG 6 Plant Growth Regulator] to the tank followed by the remaining amount of water.
- Add any other tank mix partner products. Do not allow the spray solution to sit without agitation longer than 5 to 10 minutes.

EQUIPMENT CLEANING: This product is very acidic and can damage acrylic plastics, certain paints, and metals after prolonged exposure. Therefore, ensure that any exposed acrylic plastic-type materials (e.g., aircraft windshields) are washed thoroughly with soap and water within 1 hour of exposure to the spray droplets. When the application is completed, all metal parts of the aircraft and other spray equipment which were exposed to the spray solution should be washed thoroughly with soap and water.

COTTON

Follow the application instructions in the tables below for use of this product on cotton alone or in combination with other products.

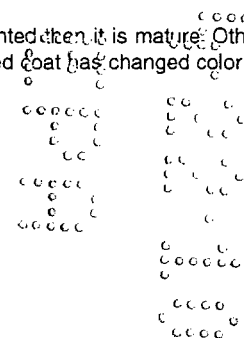
RESTRICTIONS:

- Do not harvest cotton until 7 days after an application of this product.
- Do not apply more than 2.0 lbs. ethephon AI per acre per year.
- Do not apply this product if rain is expected within 6 hours as product performance may be reduced.
- Rotation Crop Restrictions: Do not plant back another crop within 30 days after application. If small grains are planted earlier than 1 month after an [Ethephon E-AG 6 Plant Growth Regulator] application or are planted between the cotton plant rows which were treated with this product, these crops can only be used as cover crops. Do not harvest the grain crops for food or feed. Small grain plants grown under these conditions may turn yellow and their growth may be stunted.

WHEN TO HARVEST COTTON

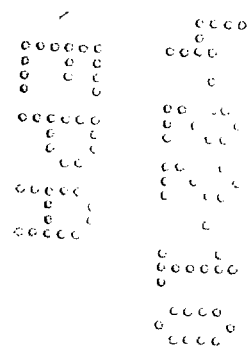
Monitor the treated crop to determine when the optimum number of bolls are open before the cotton is harvested. Lint quality and yield may be reduced if the crop is harvested too late.

Mature bolls are determined by squeezing the boll between thumb and finger: If the boll cannot be dented then it is mature. Other signs of boll maturity include when the boll is too hard to be sliced with a sharp knife, and when the seed coat has changed color to light brown.



APPLICATION OF [ETHEPHON E-AG 6 PLANT GROWTH REGULATOR] ALONE
 (Boll Opening Application)

Conditions	[Ethephon E-AG 6 Plant Growth Regulator] Pints/A (lb. AI/A)	No. Acres Treated by 1 gallon of [Ethephon E-AG 6 Plant Growth Regulator]	Additional Instructions
Hot and dry 80°F or higher	1-1/3 (1.0)	6	<p>Select the type of equipment (ground or air) and spray volumes which will ensure thorough coverage of bolls and foliage.</p> <p>Apply this product when a sufficient number of unopened bolls have matured to give the desired yield. Bolls will open 7 to 14 days earlier than without treatment.</p> <p>By ground: Apply in a minimum spray volume of 10 gals./A.</p> <p>By air: Apply in a minimum spray volume of 2 gals./A (5 gals./A in AZ and CA).</p>
Dry and 75° to 80°F	2.0 (1.5)	4	<p>Cotton bolls and plants which are overly rank or not standing will not be thoroughly covered by an [Ethephon E-AG 6 Plant Growth Regulator] application. It is recommended that an application of a defoliant be made BEFORE an [Ethephon E-AG 6 Plant Growth Regulator] application to facilitate boll and foliage coverage by this product.</p>
Cool but above 65°F or Rank cotton	2-2/3 (2.0)	3	



TANK MIX APPLICATIONS OF [ETHEPHON E-AG 6 PLANT GROWTH REGULATOR]

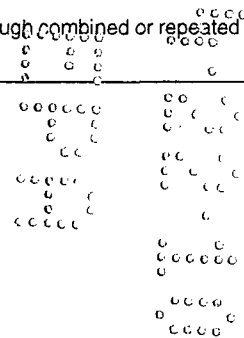
USING [Ethephon E-AG 6 Plant Growth Regulator] WITH DEFOLIANTS AND INSECTICIDES: [Ethephon E-AG 6 Plant Growth Regulator] may be applied as a tank mixture or in sequence with the following products: Def®, Folex®, Dropp®, Dropp® Ultra, Ginstar®, Harvade®, Methyl Parathion, Guthion®, and Malathion®. Refer to the label of the tank mix partner for use precautions and use rates.

PRECAUTIONS:

- Use caution when this product is applied as a tank mix with defoliants as a slight reduction in boll opening could occur.
- Only apply this product as a tank mix with desiccants if plant desiccation is required.
- Do not use a defoliant unless sufficient mature unopened bolls are present to produce the desired yield.
- DO NOT TANK MIX THIS PRODUCT WITH DESICCANTS IF COTTON IS TO BE SPINDLE HARVESTED.
- UNDER CERTAIN CONDITIONS, TANK MIXTURES OF [Ethephon E-AG 6 Plant Growth Regulator] WITH DESICCANTS CONTAINING SODIUM CHLORATE COULD RESULT IN THE FORMATION OF HYPOCHLOROUS ACIDS WHICH ON HEATING WILL EMIT TOXIC CHLORIDE FUMES.
- DO NOT MIX THIS PRODUCT WITH AMMONIUM THIOSULFATE AS THESE MIXTURES MAY RESULT IN FORMATION OF TOXIC FUMES.

Conditions	[Ethephon E-AG 6 Plant Growth Regulator] Plus Folex Defoliant Tank Mix OR Dropp Defoliant Tank Mix		Pre-Conditioner Prior to Defoliant Tank Mix Application	
	[Ethephon E-AG 6 Plant Growth Regulator] Pints/A (lb. AI/A)	No. Acres Treated by 1 gal. tank mix	[Ethephon E-AG 6 Plant Growth Regulator] Pints/A (lb. AI/A)	No. Acres Treated by 1 gal. tank mix
Hot and dry 80°F or higher	1/3 (0.25)	24	2/3 (0.5)	12
Cool but above 65°F or Rank cotton			1-1/3 (1.0)	6
High soil moisture or High fertility level or Rank cotton			NR	NR
Additional Instructions	<p>Make application 4 to 7 days before the [Ethephon E-AG 6 Plant Growth Regulator] boll-opening application. Defoliant tank mix applications are to be used as a sequential treatment with, not in place of, the [Ethephon E-AG 6 Plant Growth Regulator] boll-opening treatment.</p> <p>A full label rate of Folex or Dropp is permitted.</p> <p>By ground: Apply in a minimum spray volume of 10 gals./A.E.</p> <p>For [Ethephon E-AG 6 Plant Growth Regulator] Plus Folex: Apply by air in a minimum spray volume of 5 gals./A.</p> <p>For [Ethephon E-AG 6 Plant Growth Regulator] Plus Dropp: Apply by air in a minimum spray volume of 3 gals./A (5 gals./A in AZ and CA).</p>		<p>Make application 4 to 7 days before a defoliant tank mix is applied. This application helps defoliate the top of the crop and preserves the bottom of the crop (may lead to earlier harvest).</p> <p>By ground: Apply in a minimum spray volume of 10 gals./A.</p> <p>By air: Apply in a minimum spray volume of 2 gals./A (5 gals./A in AZ and CA).</p>	
	<p>In all tank mix options, select the type of application equipment (air or ground) and spray volumes which will ensure thorough coverage of bolls and foliage.</p> <p>Do not exceed a maximum of 2.0 lbs. AI/A (2-2/3 pints/A) of this product per year through combined or repeated uses of any ethephon products.</p>			

NR = Not recommended



TOBACCO (Flue-Cured Only)

Follow the application instructions in the tables below for use of this product on tobacco.

RESTRICTIONS:

- Do not apply this product if rain is expected within 6 hours as product performance may be reduced. If a major storm is expected, delay application of this product.
- Use only the recommended additives with [Ethephon E-AG 6 Plant Growth Regulator] which are mentioned on this label.
- Do not plant another crop within 30 days after [Ethephon E-AG 6 Plant Growth Regulator] application.
- Do not exceed more than of 2 lbs. ethephon AI per acre per year.

WHEN TO HARVEST TOBACCO

Within 24 to 72 hours after the [Ethephon E-AG 6 Plant Growth Regulator] application, mature, sprayed leaves will begin to turn yellow, but the exact timing is dependent on the weather so that under cooler temperatures, yellowing will be delayed while under warm, sunny conditions, yellowing occurs faster. Monitor weather conditions and intensity of tobacco leaves color to determine timing of harvest. Usually within 48 hours after the [Ethephon E-AG 6 Plant Growth Regulator] application, the leaves have reached the desired color intensity and can be harvested.

To avoid reduced yields and quality, harvest the tobacco before it over-ripens in the field after a [Ethephon E-AG 6 Plant Growth Regulator] application.

APPLICATION TIMING

For best results, apply this product to mature leaves. Treatment of immature leaves can lead to leaves that are not acceptable in color, quality or dryness. The correct timing for application can be tested by spraying a few plants in several different locations of the field. If the leaves begin to yellow within 24 to 72 hours, the leaves are mature. If some treated leaves do not change color within 72 hours, do not apply this product until another test is carried out to determine if the leaves are mature. To prepare a test spray solution, add 1 tsp. of this product to 1 qt. water. Apply about 1 oz. of the test spray solution as a fine mist and thoroughly cover the leaves. Immature leaves won't change color.

When the desired number of leaves per plant change in the test, the number of acres to treat in order to fill the barn can be calculated.

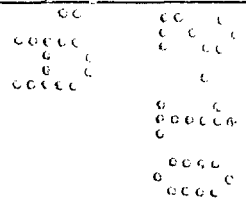
Remove yellowed leaves before making a [Ethephon E-AG 6 Plant Growth Regulator] application as this will help yields and prevent leaf drop. Typical growing conditions will require the lower rates specified in the table below. If the higher rates are used, only apply if temperatures are below 65°F on the day of application.

CURING [Ethephon E-AG 6 Plant Growth Regulator]-TREATED TOBACCO

A number of factors must be considered when curing treated tobacco. These factors include, but are not limited to tobacco condition, timing between application of this product and harvest, weather conditions, and type of curing. Best quality tobacco is obtained when the curing process is closely monitored during late leaf-coloring and early leaf-drying stages.

Applications of this product to tobacco begins the coloring process before harvest, so the amount of time required in the coloring phase and drying phase may be reduced. Harvested green leaves will need to be colored for a few hours. Harvested yellow leaves will require adjustment of temperature and ventilation so the tobacco dries as quickly as possible without scalding. At the point of 75% dried state, the leaves can be treated using normal procedures for curing. However, [Ethephon E-AG 6 Plant Growth Regulator]-treated leaves cure faster, so cure treated and untreated leaves in separate barns.

Crop Situation	[Ethephon E-AG 6 Plant Growth Regulator] Pints/A	Additional Instructions
Directed Spray Application	1-1/3	Apply this product in a minimum spray volume of 50 gals./A. Apply this product with drop nozzles and TG or OC spray tips designed to apply 50 to 60 gals./A at 35 to 40 psi and at tractor speed of 2 to 3 mph. Best results are obtained when thorough sprays are directed to the leaves to be ripened. Adjust the sprayer so that there are 2 nozzles per row placed low enough to direct the spray to the leaves. For this type of application, harvest when 20% or more of the leaves have yellowed.
Over-The-Top Application	1-1/3 to 2-2/3	Apply this product in a minimum spray volume of 40 gals./A. Make applications only to the mature leaves left on the stalk. Use the test procedure described in the "Application Timing" section above to determine if remaining leaves are mature and will respond to applications of this product. Apply the lower rate of this product for mature crop or if experience indicates that a minimum ripening inducement is required. The higher rate is used for heavy, more rank crops or when temperatures are lower than normal. Apply over-the-top 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 thoroughly covered, similar to the application pattern of systemic sucker control agents. Use a spray pressure of 40 to 60 psi.



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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. If container is broken or contents have spilled, follow all precautions provided on this label 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:

Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Nonrefillable containers larger than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling or reconditioning is not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. 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. **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.

Refillable containers larger than 5 gallons: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning 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 clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY DISCLAIMER

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