







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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

JAN 29 2010

Ms Catherine M. Byrd Red Eagle International LLC C/O Wagner Regulatory Associates, Inc P.O. BOX 640 Hockessin, DE 19707

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated December 4, 2009 for:

# EPA Registration 85678-5 Ethephon 6

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. 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,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

Please read instructions on revers	e before completing form	).	For	m Appro	( ovea. ∪MB No. 20	070-0060. Ap	proval expires 05-31-98	
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1. Company/Product Number	<u> </u>		2. EPA Product	Manag	er	3. Propos	ed Classification	
RedEagle International LLC/85	5678-5		Tony Kish					
4. Company/Product (Name)			PM#	PM#				
RedEagle International LLC/E	thephon 6		22			X None	e Restricted	
5. Name and Address of Appl RedEagle International LLC c/o Wagner Regulatory As P.O. Box 640 Hockessin, DE 19707	6. Expedited Re (b)(l), my producto: EPA Reg. No. Product Name:							
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Amendment - Explain be	low.			ed label	s in response to		· <u>·</u> ······	
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		Se	ection - IV					
1. Contact Point (Complete ite			n of individual to be c	ontacte				
Name Catherine M. Byrd	Title   Ager		agle International LLC	2	(302) 234		le Area Code)	
I certify that the statements I hav acknowledge that any knowingly under applicable law.	Certifice made on this form and	<b>cation</b> all attachmer	nts thereto are true, acci	urate an	d complete.	6. Date App Received		
2. Signature 3. Title						,,		
Catherine M. Byro	Agent for	RedEagle Internation	nal LLC	;				

This is a reproduction of EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

5. Date

December 4, 2009

4. Typed Name

Catherine M. Byrd

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WRA

December 4, 2009

Wagner Regulatory Associates, Inc. P.O. Box 640 7460 Lancaster Pike, Suite 9 Hockessin, Delaware 19707

Document Processing Desk (NOTIF)
ATTN: Ms. Linda Arrington
Registration Division (7504P)
U.S. Environmental Protection Agency
Office of Pesticide Programs
One Potomac Yard
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

Dear Ms. Arrington:

Re: RedEagle International LLC – Ethephon 6

EPA Registration Number 85678-5

Notice of Revised Storage & Disposal Label Language

Wagner Regulatory Associates, Inc., on behalf of RedEagle International LLC, hereby notifies the Agency that the storage and disposal section of the subject label as been revised in accordance with PR Notice 2007-4 and the EPA Notice of Pesticide Registration dated November 25, 2009. Enclosed for the Agency's file is:

- Letter from RedEagle International LLC authorizing Wagner Regulatory to serve as Agent
- EPA Notification form (EPA Form 8570-1)
- One copy of revised labeling with the revised text bolded for convenience.

Please feel free to contact me at (302) 234-2780 if you have any questions or require additional information.

Respectfully submitted,

Catherine M. Byrd

Catherine M. Byrd

Agent for RedEagle International LLC



# NOTIFICATION JAN 2 9 2010

# BTHBPHON 6

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

**ACTIVE INGREDIENT:** 

 Ethephon (2-Chloroethyl) phosphonic acid\*
 54.0%

 OTHER INGREDIENTS:
 46.0%

 TOTAL
 100.0%

This product contains 6.08 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.)

	FIRST AID						
IF IN EYES	<ul> <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>						
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call poison control center or doctor for treatment advice.</li> </ul>						
IF SWALLOWED:	<ul> <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>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>						
IF INHALED:	<ul> <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>						
Note to Physician:	Probable mucosal damage may contraindicate the use of gastric lavage.						
	EMERGENCY TELEPHONE NUMBERS:						
You may also contact							
EMERGENCY NUM	BERS: (800) 424-9300 CHEMTREC (transportation and spills) (800) 900-4044 Poison Control Center (human health) (800) 345-4735 ASPCA (animal health)						

Refer to side panel for additional precautionary statements.

EPA Reg. No. 85678-5

EPA Establishment No. \_\_\_\_\_

NET CONTENTS: 275 gallons, 30 gallons or 2.5 gallons

# Manufactured For:

RedEagle International LLC 1925 E. Edgewood Drive Lakeland, Florida 33803



# PRECAUTIONARY STATEMENTS DANGER

# HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

# PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- 1. Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves made of any waterproof materials.
- 3. Chemical-resistant footwear plus socks.
- 4. Protective eyewear such as goggles, safety glasses or face shield.
- 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 clothing/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 irrigation or domestic purposes.

# **USE PRECAUTIONS**

Do not apply Ethephon 6 through any type of irrigation system.

Do not plant another crop within 30 days after treatment.

Mix only the amount of spray you expect to use each day. Do not allow mixed solution to stand overnight. Avoid spray drift to nearby crops as this product will cause modifications in plant growth. Plant injury or reduced yields will result.

## AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interactions of many equipment-and-weather-related factors determine 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 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.

- The distance of the outer most 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 air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

## **AERIAL DRIFT REDUCTION**

# ADVISORY 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 produces the largest droplets and the lowest drift.

#### **BOOMLENGTH**

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 target 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 down edges of the field, the applicator should compensate for the displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with the increasing drift potential (higher wind, smaller drops, etc.).

#### WIND

Drift potential is lowest between winds speeds of 2 -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 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**

The 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).

# **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.

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EPA approved FINAL LABEL Rev. 1/28/2010

# 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 short-sleeved shirt and short pants.
- 2. Chemical resistant gloves made of any waterproof material.
- 3. Chemical-resistant footwear plus socks.
- 4. Protective eyewear such as goggles, safety glasses or face shield.
- 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

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.

# For containers less than 5 gallons

Container Disposal: Nonrefilable 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 ¼ 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, 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 burned, stay out of smoke.

# For containers greater than 5 gallons

Container Disposal: 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. Fill the container ½ 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. Then 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 burned, stay out of smoke.

# **GENERAL INFORMATION**

# COTTON

A foliar spray of Ethephon 6 will accelerate opening of mature unopened cotton bolls and enhance defoliation which can result in earlier harvest with an increased recoverable yield. Ethephon 6 treatment allows increased efficiency from a once-over harvest.

# **TOBACCO (FLUE-CURED)**

A foliar spray of Ethephon 6 promotes early, uniform "yellowing" of mature tobacco. Ethephon 6 reduces curing time, allowing more efficient use of curing bam 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 Ethephon 6, 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

Follow all applicable use precautions and rate per acre recommendations on labels of products applied as tank mixtures or in sequence with Ethephon 6. 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.

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

DO NOT TANK MIX ETHEPHON 6 WITH DEFOLIANTS CONTAINING SODIUM CHLORATE BECAUSE THIS RESULTS IN THE FORMATION OF HYPOCHLOROUS ACIDS WHICH UPON HEATING EMIT TOXIC CHLORINE FUMES.

#### **EQUIPMENT CLEANING**

Because of the acidic nature of this product, prolonged exposure to spray deposits 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

COTTON							
USE	EXPECTED CONDITIONS	ETHEPHON 6 RATE		ONE GALLON ETHEPHON 6 TREATS	SPRAY VOLUME		APPLICATION TIMING
		PINT/A	LBSAI	ACRES	GROUND	AIR**	
	Hot and dry 80°F or higher	1 1/3	1.0	6		Apply when the number of mature unopened bolls is	
	Dry and 75 F to 80 F	2	1.5	4			
ETHEPHON 6*	Cool but above 65 F or Rank cotton	2 2/3	2	3	15-50 2-5	2-5	sufficient to produce the desired crop. See below for test of boll maturity. Treatment uniformly opens bolls 7 to 14 days earlier.
ETHEPHON 6 + FOLEX Defoliant Tank Mix	High soil moisture or High fertility level or Rank cotton	1/3	.25	24	15-50	5-10	Apply 4 to 7 days prior to Ethephon 6 boll opening application. To be used as a sequential treatment with, not in place of Ethephon 6 boll opening treatment.
ETHEPHON 6 + DROPP Defoliant Tank Mix	High soil moisture or High fertility level or Rank cotton	1/3	.25	24	10-50	3-10	Apply 4 to 7 days prior to Ethephon 6 boll opening application. To be used as a sequential treatment with, not in place of Ethephon 6 boll opening treatment.

Pre-	Hot, dry, above 80 F	2/3	.5	12			Apply 4 to 7 days prior to defoliant.	
Conditioner for Defoliation	Cool, above 65°F or Rank cotton	1 1/3	1.0	6	15-50	2-5	Enhances top crop defoliation reducing deterioration of bottom crop and allows for earlier harvest.	

<sup>\*</sup>Pretreatment With Defoliants Prior to Ethephon 6 Treatment

If the cotton is overly rank or laying down in the middles and good spray coverage of the bolls with Ethephon 6 is difficult, a pretreatment with defoliants will be useful to improve boll coverage with Ethephon 6. Use dosage rates of Ethephon 6 recommended for boll opening.

Read and observe all appropriate label use directions and precautions for the defoliant used.

\*\*NOTE: For 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. ai/A for combined uses of Ethephon 6 (or other ethephon containing products) per acre per year.
- · Boll Opening: Do not tank mix Ethephon 6 with a desiccant if the cotton is to be spindle harvested.
- Pre-Condition for Defoliation: Do not tank mix Ethephon 6 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).

# When to Harvest

Do not harvest cotton sooner than 7 days after a treatment with Ethephon 6. 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.

TOBACCO (Flue-Cured Only)

CROP SITUATION	ETHEPHON 6 PINTS/ACRE	SPRAY VOLUME GALLONS/ ACRE	SPECIFIC DIRECTIONS
Directed Spray Application	1 1/3	50-60	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	40-60	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 "Application Timing." 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 Ethephon 6.  Apply over-the-top Ethephon 6 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**

<sup>•</sup>Do not apply Ethephon 6 to immature leaves as this can result in unsatisfactory coloring, weight loss and

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reduced leaf quality.

- •Do not allow the crop to over ripen in the field after using Ethephon 6, 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 Ethephon 6 if rain is expected within 4 hours.

#### **APPLICATION TIMING**

Successful results with Ethephon 6 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 Ethephon 6 treatment. Wait a few days to permit further natural maturing, then make another test spray or "maturity" check.

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

#### **TEST SPRAY MIXTURE DIRECTIONS**

Prepare your test spray by mixing one teaspoon of Ethephon 6 in 1 quart of water. Spray each test plant with about 1 oz of this mixture, covering all leaves with a fine mist. Ethephon 6 will not color immature sprayed leaves.

#### WHEN TO HARVEST

All mature, sprayed leaves will begin to color within 24 to 72 hours after Ethephon 6 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.

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 Ethephon 6.

With an over-the-top application, harvesting can commence 48 hours after Ethephon 6 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 ETHEPHON 6 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.

Ethephon 6 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 Ethephon 6 treated leaves cure faster, treated and untreated leaves should not be cured together in the same barn.

REDEAGLE INTERNATIONAL LLC WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF REDEAGLE INTERNATIONAL LLC. TO THE EXTENT CONSISTENT WITH THE APPLICABLE LAW IN NO CASE SHALL REDEAGLE INTERNATIONAL LLC BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, REDEAGLE INTERNATIONAL LLC MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.