34704-856 (8/1/2014 (1/7

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

AUG 0 1 2014

Chris Mason
Loveland Products Inc.
P.O. Box 1286
Greeley, CO 80632-1286

Subject: Label Notification per PRN 98-10– Minor Label Changes
Product Name: BOLL BUSTER
EPA Registration Number: 34704-856
Application Date: 07/21/2014
Decision Number: 493633

Dear Mr. Mason:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, you may contact Maryam Muhammad at 703-347-0301 or via email at Muhammad.maryam@epa.gov.

Sincerely,

Tony Kish, Product Manager 22
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060

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EPA United States Environmental Protection Agency Washington, DC 20460

☐ Registration ☑ Amendment ☐ Other

OPP Identifier Numbe

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
34704-856	Tony Kish	☑ None ☐ Restricted
4. Company/Product (Name)	PM#	
BOLL BUSTER	22	

5. Name and Address of Applicant (Include ZIP Code)
Loveland Products Inc.
P.O. Box 1286
Greeley, CO 80632-1286
☐ *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

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☑ Notification - Explain below.
☐ Final printed labels in response to
☐ "Me Too" Application. Agency letter dated _____
☐ Other - Explain below.

Explanation : Use additional page(s) if necessary. (For Section I and Section II.)
Per PR Notice 98-10, 2007-4. Replacing inappropriate wording "General" and "Recommended". Also updating "Inert Ingredients" to "Other Ingredients", "Container Disposal" to "Container Handling".

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 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	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☑ No	☐ Yes* ☑ No		☐ Yes* ☑ No		☐ Metal ☑ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
** Certification must be submitted*	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt N/A	No. per container N/A	

3. Location of Net Contents Information	4. Size(s) RetailContainer	5. Location of Label Directions
☑ Label ☐ Container	2.5 GAL, 200 GAL	☑ On Label ☐ On Label accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☑ Other Self-Adhesive

Section - IV

1. Contact Point ***(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)***

Name	Title	Telephone No. (Include Area Code)
Chris Mason, Ph.D. chris.mason@cpsagu.com	Manager of Registrations	(970) 685-3287

Certification

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 statements may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received
Chris Mason	Manager of Registrations	(Stamped)
4. Typed Name: Chris Mason, Ph.D. chris.mason@cpsagu.com	5. Date: 7/17/2014	

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

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Loveland PRODUCTS
Get Growing

July 17, 2014

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S4900, One Potomac Yard
2777 S Crystal Drive
Arlington VA 22202

Subject: 34704-856 Boll Buster. Notification Per PR Notice 98-10, 2007-4.

Dear Mr Kish,

Per your advice, (see attached e-mail), this notification transmits minor label changes consisting of the following, replacing inappropriate wording "General" and "Recommended"; updating "Inert Ingredients" to "Other Ingredients", "Container Disposal" to "Container Handling".

Please find the following items enclosed:

1. EPA Form 8570-1 Application for Pesticide Registration/Amendment,
2. Copy of Revised Label,
3. Copy of revised label with changes marked in red,
4. Copy of e-mail,
5. Certification with respect to label integrity,
6. CD containing copies of labels.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of 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 this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 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.

Please contact me at 970-685-3287 or by e-mail: chris.mason@cpsagu.com if there are any questions or comments concerning this submission.

Sincerely,

Chris Mason

Chris Mason, Ph.D.
Manager of Registrations
chris.mason@cpsagu.com
Loveland Products, Inc.

Enclosures

NOTIFICATION

AUG 0 1 2014

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Loveland PRODUCTS

BOLL BUSTER®

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

ACTIVE INGREDIENT:	
Ethephon (2-Chloroethyl) phosphonic acid*	55.4%
OTHER INGREDIENTS:	44.6%
TOTAL	100.0%

*Boll Buster® 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 the label, find someone to explain it to you in detail.)

EPA REG. NO. 34704-856

EPA EST. NO. 34704-MS-001

NET CONTENTS 2.5 GAL (9.46 L)

080107 V6D 07G14

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear coveralls over short sleeved shirt, chemical resistant gloves, chemical resistant footwear plus socks, goggles and chemical resistant headgear for overhead applications. 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 (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: Coveralls over short-sleeved shirts and short pants, chemical resistant gloves made of any waterproof material (such as Nitrile, Butyl, Neoprene and/or Barrier Laminate), chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure and chemical-resistant apron when cleaning equipment or mixing and loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with Boll Buster's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Users should remove clothing immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.
Users should remove PPE immediately after handling Boll Buster. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing.

FIRST AID

If In Eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 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:	• 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:	• Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.
NOTE TO PHYSICIAN: Treat symptomatically. Consideration should be given to the possibility that overexposure to materials other than Boll Buster may have occurred. No specific antidote is available. Probable mucosal damage may contraindicate the use of gastric lavage.

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 wash waters or rinsate.
Do not contaminate water used for irrigation or domestic purposes.

SPRAY DRIFT

Avoid spray drift. Do not apply when weather conditions may cause drift. Do not allow Boll Buster to drift on to non-target areas. Drift may result in illegal residues or injury to adjacent crops and vegetation, in the form of leaf yellowing and defoliation. To avoid spray drift, DO NOT apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. Use of larger droplet size will also reduce spray drift.

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

The interaction 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.

1. The distance of the outer most nozzles on the boom must not exceed ¾ 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.
The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory below:

AERIAL DRIFT REDUCTION ADVISORY

[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.

BOLL BUSTER®
EPA REG. NO. 34704-856

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 air stream 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 ¾ 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 downwind edges of the field, the applicator should 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 2-10 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
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 sensitive areas).

USE PRECAUTIONS
Do not apply Boll Buster through any type of irrigation system.
Avoid spray drift to nearby crops as Boll Buster will cause modifications in plant growth. Plant injury or reduced yields will result.
Mix only the amount of spray you expect to use each day. Do not allow mixed solution to stand overnight.
Do not plant another crop within 30 days after treatment.

DIRECTIONS FOR USE
It is a violation of Federal law to use Boll Buster in a manner inconsistent with its labeling. Do not apply Boll Buster in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations. Read entire label before using Boll Buster.

AGRICULTURAL USE REQUIREMENTS
Use Boll Buster only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted-entry intervals. The requirements in this box only apply to uses of Boll Buster 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 such as any waterproof gloves, such as polyvinyl chloride, nitrile rubber, or butyl rubber, chemical resistant footwear plus socks, and protective eyewear. For overhead exposure, chemical-resistant headgear is also required.
Notify workers of the application by warning them orally and posting warning signs at entrances to treated areas.

PRODUCT INFORMATION
Cotton: A foliar spray of Boll Buster will accelerate opening of mature unopened cotton bolls and enhance defoliation which can result in earlier harvest with an increased recoverable yield. Boll Buster treatment on cotton allows increased efficiency from a once-over harvest.

Tobacco(Flue-Cured): A foliar spray of Boll Buster promotes early, uniform "yellowing" of mature tobacco. Boll Buster reduces curing time, allowing more efficient use of curing barn space, and increased control over harvest schedules.

Spray Preparation
Add ½ to ¾ of the required amount of water to the spray tank. Start agitation. Add the required amount of Boll Buster 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
Boll Buster is compatible with DEF®, FOLEX®, Dropp®, Dropp® Ultra, Ginstar®, Harvade[3], Guthion[1], and Malathion. Boll Buster may be applied in sequence or as a tank mixture (DO NOT TANK MIX WITH DESICCANTS IF COTTON IS TO BE SPINDLE HARVESTED). Follow all applicable use precautions and rate per acre recommendations on labels of products applied as tank mixtures or in sequence with Boll Buster. In some cases, slight reduction in boll opening response has been observed when tank mixes with defoliants were used. Good agitation in the spray tank is essential and a tank mixture should not be allowed to stand without agitation for more than 5 to 10 minutes. Read and observe all appropriate label use directions and precautions for the defoliants and insecticides used.

NOTE: UNDER CERTAIN CONDITIONS, TANK MIXTURES OF BOLL BUSTER WITH DESICCANTS CONTAINING SODIUM CHLORATE COULD RESULT IN THE FORMATION OF HYPOCHLOROUS ACIDS, WHICH ON HEATING WILL EMIT TOXIC CHLORIDE FUMES.

Equipment Cleaning
Because of the acidic nature of Boll Buster, prolonged exposure to spray deposit will damage acrylic plastics, certain paints, and metals.
Rinse thoroughly with a detergent and water all exposed acrylic plastic-type materials (e.g., aircraft windshields), and painted surfaces within an hour after exposure to spray deposits.

At the end of each day, rinse thoroughly with a detergent and water all the metal parts of the aircraft and the associated spray equipment exposed to the spray deposits.

BOLL BUSTER®
EPA REG. NO. 34704-856

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COTTON

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

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

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

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

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

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

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

When To Harvest Cotton
Do not harvest cotton sooner than 7 days after a treatment with Boll Buster.
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	BOLL BUSTER PINTS/ACRE	MINIMUM SPRAY VOLUMES GALLONS/ACRE	SPECIFIC DIRECTIONS
Directed Spray Application	1 1/3	50	Use drop nozzles. Choose TG or OC spray tips designed to apply 50-60 gpa at 35-40 psi and at tractor speed of 2-3 mph. Use 2 nozzles per row; one on each side of the row dropped low enough to direct the spray to the leaves to be ripened and harvested. Thorough spray coverage is essential. With a directed spray, be sure to harvest all leaves with 20% or more yellowing.
Over-The-Top Application	1 1/3-2 2/3	40	Treat only when leaves remaining on the stalk are mature. To ensure remaining leaves are mature, test spray several tobacco plants as described under the section "Proper Time of Treatment". Use the lower rate in a normally mature crop when experience indicates that minimum ripening inducement is required. Use the higher rate when the crop is heavy and has a tendency to be more rank or when temperatures are lower than normal. Always test spray to determine if the tobacco is mature enough to respond to treatment with Boll Buster. Apply over-the-top Boll Buster spray as a fine mist using three nozzles (one nozzle tip over the center of the plant, and one on each side) so all leaves are covered thoroughly, similar to the application pattern of systemic sucker control agents. Use a spray pressure of 40 to 60 psi.

Use Limitations
- Do not apply Boll Buster to immature leaves as this can result in unsatisfactory coloring, weight loss and reduced leaf quality.
- Do not allow the crop to over ripen in the field after using Boll Buster, 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 Boll Buster IF RAIN IS EXPECTED WITHIN 6 HOURS. Rainfall within 6 hours of application may reduce product performance.
- Do not use Boll Buster with additives other than referenced on this label.
- Do not plant another crop within 30 days after treatment.
- Do not exceed a maximum of 2 lbs. ethephon active ingredient per acre per year through repeated uses of any ethephon products.

BOLL BUSTER®
EPA REG. NO. 34704-856

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

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

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

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

When To Harvest
All mature, sprayed leaves will begin to color within 24 to 72 hours after application of Boll Buster. The yellowing process is weather dependent; cool weather will delay, while hot, sunny weather can speed up the process. Harvest treated tobacco when leaves have reached the desired color intensity.

Harvest can commence 48 hours after application of Boll Buster. To determine harvest timing and avoid quality loss or leaf drop, closely monitor treated crop and weather conditions.

CURING BOLL BUSTER 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.

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

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal.
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 instruction, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
CONTAINER HANDLING: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org.
Triple rinse or pressure rinse container (or equivalent) promptly after emptying.
For packages up to 5 gallons: 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. **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.
For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. 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.
For packages greater than 56 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.
For refillable containers: 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 mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.
For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC - 1-800-424-9300.

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BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

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