

68891-4

4/18/2001
APR 18 2001

1/5

ENTEK Corporation
c/o Eliot I. Harrison
Lewis & Harrison
122 C Street NW, Suite 740
Washington, DC 20001

Dear Mr. Harrison:

SUBJECT: Label Amendment Revising Active Ingredient Label Declaration Per Agency's
January 11, 2001 Letter
WILTHIN™
EPA Registration Number: 68891-4
Your Submission Dated April 16, 2001

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided you make the following change:

1. Add the following sentence to the ocular ("IF IN EYES") statement of practical treatment: "Get medical attention." This statement is appropriate due to the product's corrosiveness to the eyes. [NOTE: Alternatively, you may revise all of the statements of practical treatment in accordance with the guidance given in PR Notice 2001-1. Although not required to do so at this time, you are strongly encouraged to use the updated first aid statements in this Notice. If you choose to do so, please submit 4 copies of revised draft labeling for our review.]

This labeling supersedes previously accepted labeling for the subject product. A stamped copy of the labeling is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,

Daniel J. Rosenblatt
Acting Product Manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure

RD:STANTON:PM Team 23:Rm. 239:CM-2:305-5218:Disk #14:S595776.LET

CONCURRENCES

SYMBOL >	7505C							
SURNAME >	S. Stanton							
DATE >	Apr 18, 2001							

WILTHIN™

BLOSSOM THINNER AND COTTON HARVEST AID

2/5

ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 18 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
68891-4

Active Ingredient:	
1-aminomethanamide dihydrogen tetraoxosulfate.....	79.0%
(Monocarbamide dihydrogen sulfate)	
Inert Ingredients.....	21.0%
TOTAL.....	100.0%
Density in lb/gal @ 68°F.....	12.65

Net Contents _____ Gallons

WARRANTY LIMITATIONS AND DISCLAIMER

1. Entek warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. Entek neither makes, nor authorizes any agent or representative to make, any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Entek's control prevent it from eliminating all risks in connection with the use of this material. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for uses stated herein and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage, and use of this material (except those assumed by Entek in (1) above). Entek shall not be liable for incidental or consequential damages.

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 ADDITIONAL PRECAUTIONARY STATEMENTS
ON THE NEXT PAGE

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Holding lids apart, flush with gentle stream of water for 30 minutes.

IF ON SKIN: Flood contaminated area with water.

IF SWALLOWED: Do NOT induce vomiting. If victim is conscious and alert give one glass of milk or water to drink; ½ glass to children under age 5. Do NOT exceed above quantities in order to avoid vomiting. Refer to the Material Safety Data Sheet for additional information. **GET MEDICAL TREATMENT IMMEDIATELY.**

PHYSICIAN: Call 1 (800) 424-9300 for further information.

PATENTS AND PATENTS PENDING

The product contained herein is described in one or more of the following U.S. composition, manufacturing and/or method of use patents: 4397675, 4402852, 4404116, 4445925, 4447253, 4522644, 4673522, 4818269, 4831056, 4944787, 4962283, 4966620, 4994101, 5034046, 5035737, 5055127, 5149355, 5185151, and 5221659. Other U.S. and foreign patents are pending.

A license is hereby granted to the purchaser under the above listed U.S. Patents only, and only for the use of the product contained herein, and only in accordance with the instructions on this label. NO OTHER LICENSE, EXPRESS OR IMPLIED, IS GRANTED. NOT FOR EXPORT.

TRADEMARKS

WILTHIN™ is a trademark of Entek Corporation.
Regulaid® is a registered trademark of Kalo, Inc.
Dropp® 50WP is a registered trademark of AgrEvo USA Co.
Cyclone® is a registered trademark of Zeneca Ag Products.
Ginstar® is a registered trademark of AgrEvo USA Co.
Harvade® 5F is a registered trademark of Uniroyal Chem Co.
Quick-Pick® is a registered trademark of United Agri-Products, Inc.
Starfire® is a registered trademark of Zeneca Agrochemicals.
Prep™ is a trademark of Rhône-Poulenc Ag Co.
Micro Flo Ethephon 6 is a product of Micro Flo Co.
Pluck® is a registered trademark of Cedar Chemical Corp.
Roundup® is a registered trademark of Monsanto Co.

Manufactured for



Entek Corporation
6835 Deerpath Road, Suite E
Elkridge, MD 21075
(800) 760-7150

EPA Reg. No.: 68891-4
EPA Est. No.: 612-WA-1___; 51896-WA-1___
48498-CA-1___; 51263-FL-1___

3/5

Super Boll™ is a trademark of Griffin Corp.
Promalin® is a registered trademark of Abbott Laboratories.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye damage. Moderately irritating to skin. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- 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. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instruction for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS: 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: This product may be harmful to wildlife directly sprayed. Do not apply directly to water, 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. Do not apply in any manner not specified on the label.

PHYSICAL OR CHEMICAL HAZARDS: Do not allow WILTHIN™ to be heated above 176°F, as the quality of the product may deteriorate. If WILTHIN is heated above 230°F,

vigorous decomposition may occur. Do not weld equipment containing WILTHIN.

CLOTHING: WILTHIN™ can attack cotton, nylon, and leather clothing. If WILTHIN contacts clothing of this type, flush with plenty of water to minimize damage.

DO NOT MIX with other materials without specified authorization, as hazardous combinations may result.

CHEMIGATION: Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

STORAGE: Material crystallizes below 32°F. Do not heat above 176°F.

Materials recommended for use with WILTHIN™ include polyethylene, polypropylene, PVC, CPVC, fiberglass made with reinforced resins such as polyesters and epoxides, most rubbers, and 316 stainless steel.

Do not expose mild steel, leather, nylon, or acid sensitive resins such as delrin and celcon to undiluted WILTHIN.

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: Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Follow all applicable directions, restrictions, and precautions on the EPA-registered label. 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. This label must be in the possession of the user at the time of application.

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 in this labeling about personal protective equipment (PPE) and restricted-entry interval. 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 24 hours.

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
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

occurred. WILTHIN SHOULD NOT BE APPLIED AFTER PETAL FALL BEGINS ON THE EARLIEST BLOOMING SIDE OF TREE OR SEVERE MARKING AND LACK OF PERFORMANCE MAY OCCUR. Do not apply if foliage is wet or if rain is expected within 2 hours.

It is not recommended that WILTHIN be sprayed with any other materials except Promalin® Plant Growth Regulator and Regulaid® Spreader-Activator. When using WILTHIN, it is not recommended to use foliar sprays containing copper, crop oil or the fungicide dodine after tight cluster bud stage. The use of zinc, sulfur, or lime sulfur sprays in the pre-bloom stages should be in accordance with the manufacturer's label but not closer than 7 days before WILTHIN application.

Do not apply WILTHIN with surfactants or spray oils. The only exception is an option for the addition of 1 pint per 100 gallons of spray volume of Regulaid® spray adjuvant.

Certain varieties such as Gala, Fuji and especially Granny Smith are more susceptible to fruit injury and may require higher rates for adequate thinning. Consult with your fieldman regarding the use of WILTHIN on your varieties. WILTHIN may be used on the following varieties: Red Delicious, Newtown, Braeburn, Red Rome and Golden Delicious. Other varieties have not been adequately evaluated.

WILTHIN can be used only one time per season. Follow-up sprays of other chemical thinners or hand thinning may be necessary to adjust fruit load, depending on variety and overall vigor of the trees.

WILTHIN will not harm spray equipment, but it may cause scale or other spray tank residues to dislodge. Thoroughly clean and remove all other chemical residues in the spray tank, hoses, screen and nozzles before using WILTHIN. Rinse with a neutralizing agent before parking.

BLOSSOM THINNER

APPLICATION RECOMMENDATIONS

APPLES

For thinning of blossoms on apples to reduce fruit set and alternate bearing tendencies, apply 2 to 3 pints of WILTHIN™ per 100 gallons of total volume. Do not exceed 3 pints per 100 gallons or 6 quarts/acre. The 3 pint per 100 gallon rate is usually optimum, but results may vary depending on bloom uniformity, rootstock, tree size, vigor and age. Healthy mature, or difficult to thin trees may require the higher rate, while trees or spurs with low vigor will show a greater degree of thinning for a given rate of WILTHIN. Application of WILTHIN may cause minor leaf burn. Small spray droplet size reduces the potential for fruit injury.

Apply as a dilute spray in sufficient volume to achieve adequate wetting of the target flowers, which is usually 150-350 gal/acre, depending on tree size. Do not exceed 400 gallons per acre of total spray volume. DO NOT USE CONCENTRATED SPRAYS. Use clean spray water -- avoid muddy or silty water sources which may deactivate WILTHIN. Avoid over-spraying on turns and adjacent rows which may cause excessive thinning or leaf and fruit injury. Shut off the lower nozzles on the spray boom to avoid over-thinning of weaker blooms on the lower and inside portions of the trees.

The optimum spray timing is when 70%-80% of the blossoms are open, and after pollination and fertilization of the king bloom has

PEACHES AND NECTARINES

For thinning blossoms on peaches and nectarines to reduce fruit set, apply 3 to 6 quarts of WILTHIN™ per acre. Application should be made using an air blast sprayer only. Apply as a dilute spray to achieve adequate wetting of the target flowers. This requires 100 to 250 gallons per acre of spray volume, depending on tree size. Low volume concentrated sprays are NOT recommended. The 4 to 5 quart rate is usually optimum, but results may vary depending on variety, tree size, and bloom uniformity.

Thinning response to WILTHIN is linear with rate, and the desired amount of at-bloom thinning should take into account other factors that will affect fruit set and quality. Optimum timing is at 70-80% bloom. Thinning occurs mainly on flowers that are open but not yet fertilized. Apply only after adequate pollination and fertilization of the early bloom has occurred. Direct the air blast spray pattern to the primary fruiting zone of the tree. Shut off the lower nozzles on the spray boom to avoid over-thinning of weaker blooms on the lower and inside portions of the trees.

It is not recommended that WILTHIN be sprayed with any other materials except for Regulaid. The use of other spray adjuvants is NOT recommended. The use of spray oils, or other nutrient,

sulfur or fungicide sprays, in the pre-bloom stages should be according to the manufacturer's label. Do not apply if the foliage is wet, or if rain is expected within 2 hours. Minor leaf burn may occur on expanded foliage exposed to WILTHIN spray.

Only one application of WILTHIN may be made during the bloom period. Subsequent hand thinning may be necessary to adjust proper fruit load, depending on the variety and bloom density of the trees.

WILTHIN application will NOT harm bees.

WILTHIN will not damage spray equipment, but may cause scale or other spray tank residues to dislodge. Thoroughly clean and remove all other chemical residues in the spray tank, hoses, screen and nozzles before using WILTHIN. Rinse with a neutralizing agent before parking.

control of regrowth (refer to the Dropp label for rates). Generally, satisfactory results are obtained by the addition of 0.10 pounds of formulated Dropp 50WP per acre.

To ensure optimum activity, thorough and uniform spray coverage is required. It is essential that cotton leaves and unopened bolls are contacted in order to achieve satisfactory results. Apply as a dilute spray in 15-50 gallons or water per acre by ground application or 3-10 gallons or water per acre by aerial application.

Only one application of WILTHIN™ is allowed per year.

WILTHIN™ may also be tank mixed with Cyclone®, Ginstar®, Harvade® 5F, Quick-Pick® or Starfire®. (Refer to product label for rates.) WILTHIN may be tank mixed with the following listed products (Prep™, Micro Flo Ethepon 6, Pluck®, and Superboll™) or any ethephon product registered for use in cotton. (Refer to ethephon product label for rates.)

Do not use urea, ammonium sulfate or fertilizer products with WILTHIN tank mixtures. DO NOT mix with ammonium thiosulfate.

COTTON HARVEST AID

APPLICATION RECOMMENDATIONS

COTTON

GENERAL INFORMATION

WILTHIN™, when tank mixed with a registered ethephon product and applied as a foliar spray to cotton, greatly improves the action of ethephon. This tank mixture provides fast, effective defoliation of cotton and substantially increases the speed and efficacy of opening mature bolls. Typically, satisfactory defoliation is achieved within 7 days. Adverse conditions, such as low temperatures and/or toughened plants may require up to 14 days. WILTHIN when tank mixed with a registered ethephon product also provides limited control of cotton regrowth.

APPLICATION TIMING AND RATE

Refer to the label of the specific brand of ethephon product to be used in combination with WILTHIN™. Do not apply before sufficient, mature, unopened bolls have developed to produce the desired cotton yield. Consult University recommendations in your area for testing of boll maturity.

Apply 1-3 quarts of formulated WILTHIN per acre in combination with the appropriate rate of registered ethephon product (refer to the label of the specific brand of ethephon product to be used). For most registered products formulated as 6 pounds of ethephon active ingredient per gallon, the label allows 0.67 pints/acre - 2.67 pints/acre (see list below). For best results in obtaining increased defoliation and boll opening, apply 2-3 quarts of formulated WILTHIN in combination with 2 pints/acre of a registered ethephon product or 1.5 pounds of ethephon active ingredient/acre. During adverse weather conditions (nighttime lows <60° F, daytime highs <75° F) or on rank cotton, use 2-3 quarts of formulated WILTHIN in combination with 2.67 pints/acre of a registered ethephon product or 2.0 pounds of ethephon active ingredient/acre. All recommendations and requirements of the specific registered ethephon label must be followed.

When conditions are favorable for excessive regrowth prior to harvest, Dropp® 50WP may be added to the tank mix to aid in

MIXING PROCEDURE

Add 1/2 to 3/4 of the required amount of water to the spray tank and begin agitation. Add the required amount of WILTHIN™ and the required amount of the registered ethephon product, and then the remaining amount of water. If Dropp® 50WP is used in the mixture, it should be added to the spray tank first, followed by WILTHIN and ethephon. Prepare only as much spray solution as can be used on the day of mixing. Do not allow the spray solution to stand overnight. Do not permit concentrated WILTHIN to contact painted surfaces, spray equipment, or any airplane parts. All spills should be rinsed immediately with plenty of water.