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US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

1/12/95

TERM OF ISSUANCE

**NOTICE OF PESTICIDE:**  REGISTRATION  
 REREGISTRATION  
*(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)*

NAME OF PESTICIDE PRODUCT

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

General Pesticide Products  
General Corp.  
3960 Industrial Blvd., Suite 200  
West Sacramento, CA 95691

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(a)(7)(C) provided that:

1. The label for this product is printed on a durable material and is legible and readable under normal conditions of use and storage.

2. You accept the labeling changes in this label before you release the product for shipment.

3. You use the words "EPA Registered" or "EPA Reregistered"

4. You file an affidavit with the Administrator before you release the product for shipment.

If these conditions are not met, your registration will be subject to cancellation in accordance with FIFRA sec. 3(d). Your release for shipment of this product constitutes your acceptance of these conditions.

For more information on this registration, contact the Registration Division, EPA, Washington, DC 20460.

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

1/12/95

# WILTHIN<sup>TM</sup>

## blossom thinner

ACCEPTED

JAN 12 1995

Under the Federal Insecticide,  
Fungicide, and Plant  
as amended, for the use of  
registered under  
EPA Reg. No. 612-12

Active Ingredient:  
Monocarbamide Dihydrogensulfate ..... 79.0%  
Inert Ingredients ..... 21.0%  
TOTAL ..... 100.0%

EPA Reg. No. 612-  
EPA Est. No. 51896-WA-1

Weight in lbs/gallon @ 68.0°F ..... 12.65 lbs.

### WARRANTY LIMITATIONS AND DISCLAIMER

**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.**

For further information call the Los Angeles Poison Information Center at (800) 356-3129.

1. Unocal 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. Unocal 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 Unocal'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 Unocal in (1) above). Unocal shall not be liable for incidental or consequential damages.

### PATENTS AND PATENTS PENDING

Union Oil Company of California, dba Unocal, owns manufacturing, composition, and/or method of use patents relating to the product contained herein, including the following U.S. 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 of this product, under Unocal's U.S. Patent(s) only, and only for the use of the product contained herein, and solely in accordance with the instructions on this label. **NO OTHER LICENSE, EXPRESS OR IMPLIED, IS GRANTED. NOT FOR EXPORT.**

Manufactured for

**UNOCAL** 

Unocal Petroleum Products & Chemicals Division  
Union Oil Company of California dba Unocal  
P.O. Box 2390 • Brea, CA 92622-2390 • (800) 825-0076

### TRADEMARKS

WILTHIN is a trademark of Union Oil Company of California  
Regulaid is a registered trademark of KALCO, Inc.

Net Contents: \_\_\_\_\_ Gallons

**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. The use of WILTHIN is restricted to protect endangered plant species. Do not apply WILTHIN in the counties listed on the attached page.

**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 calcon 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. For use only in the states of Washington, Idaho, Georgia, Oregon and Colorado.

**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

## 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. 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 AND SOME FRUIT MARKING. 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.

Do not spray until 70%-80% of the blossoms are open, and after pollination and fertilization of the king bloom has occurred. Do not apply if foliage is wet or if rain is expected within 2 hours. Do not apply WILTHIN at night, under slow drying conditions, or when temperatures are above 85°F. Long bloom periods and variation in bloom development within the tree may expose early pollinated fruit to marking from a WILTHIN spray.

Do not combine WILTHIN with other materials. When using WILTHIN, do not 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 with a reduced rate of 2 pints of WILTHIN. This combination may reduce the potential for fruit marking and slightly enhance thinning. Do not use Regulaid when using 3 pints of WILTHIN as excessive thinning and/or fruit marking may occur.

Certain varieties such as Gala, Fuji and especially Granny Smith are very susceptible to fruit injury and resultant fruit marking. WILTHIN is not recommended for commercial application on those or other untested varieties. Consult with your fieldman regarding the use of WILTHIN on your varieties. The degree of susceptibility to fruit marking increases (lowest to highest) as follows: 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. Application of WILTHIN can be made from March 10 - May 20. 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.

### 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 as close to full bloom as possible. 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.

Do NOT combine WILTHIN with other materials. The use of 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 but not closer than 14 days before WILTHIN application. Avoid extended drying conditions such as night applications. 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. Application can be made from March 1 - May 20. 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.

**BEST AVAILABLE**

Wilthin is for use only in the states of Washington, Oregon, Idaho, Georgia and Colorado. The use of WILTHIN is restricted to protect endangered plant species. Do not apply WILTHIN in the following counties:

In the State of Colorado, do not apply WILTHIN in the following counties:

BOULDER	DELTA	GARFIELD	GRAND	JACKSON
JEFFERSON	LA PLATA	MESA	MONTEZUMA	MONTROSE
MORGAN	PARK	RIO BLANCO	SAN MIGUEL	SUMMIT
WELD				

In the State of Georgia, do not apply WILTHIN in the following counties:

BARTOW	BIBB	BRANTLEY	BURKE	BUTTS
CATOOSA	CHATTAHOOCHEE	CHATTOOGA	CHEROKEE	CLAY
COBB	COLUMBIA	CRAWFORD	DADE	DAWSON
DE KALB	DECATUR	DEKALB	DOOLY	DOUGLAS
EARLY	ELBERT	FANNIN	FLOYD	GILMER
GORDON	GREENE	GWINNETT	HABERSHAM	HANCOCK
HARRIS	HEARD	HENRY	JACKSON	JENKINS
LEE	LUMPKIN	MACON	MERIWETHER	MURRAY
MUSCOGEE	NEWTON	OGLETHORPE	PICKENS	PIKE
POLK	PUTNAM	QUITMAN	RABUN	ROCKDALE
SCHLEY	SCREVEN	STEPHENS	SUMTER	TALBOT
TAYLOR	TOWNS	TROUP	UNION	UPSON
WALKER	WALTON	WAYNE	WHEELER	WHITE
WHITFIELD	WORTH			

In the State of Idaho, do not apply WILTHIN in the following counties:

IDAHO

In the State of Oregon, do not apply WILTHIN in the following counties:

BENTON	CLACKAMAS	HARNEY	KLAMATH	LANE
LINN	MARION	POLK	TILLAMOOK	WALLOWA
WASHINGTON	YAMHILL			