

AUG 15 1985

Mr. J. S. Lovell
Union Carbide Agricultural Products Co., Inc.
P.O. Box 12014
Research Triangle Park, NC 27709

Dear Mr. Lovell:

Subject: Zectran 25W Mexacarbamate Insecticide
Change in Signal Word from "Warning "
to "Danger"
EPA Registration No. 264-383
Your Application Dated February 13, 1985

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

1. In your Hazards to Humans and Domestic Animals paragraph change "May be irritating to eyes," to "May cause eye irritation."
2. The submitted acute oral toxicity, dermal toxicity, skin irritation and eye irritation studies are acceptable. Accession Number 256958 has been assigned to that volume of data.

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

RD/IRB:JOB:92931:RD-27:8/12/85:Del:8/21/85:Kendrick:898-1270:DAA

ZECTRAN® brand 25W
Mexacarbate Insecticide

For Commercial Use Only

ACTIVE INGREDIENT:

Mexacarbate 4-(dimethylamino)-3,5-xylol
methylcarbamate

25% by wt.

INERT INGREDIENTS

75% by wt.

E.P.A. Registration Number: 264-383

EPA Est. No. 10352-WV-02

KEEP OUT OF REACH OF CHILDREN

(Skull & Crossbones)

DANGER

POISON

FATAL IF SWALLOWED. ANTIDOTE IS ATROPINE SULFATE. SEE NOTE TO PHYSICIAN AND OTHER PRECAUTIONARY STATEMENTS IN THIS LABEL. READ THE ENTIRE LABEL BEFORE USING THIS PESTICIDE.

STATEMENT OF PRACTICAL TREATMENT

GENERAL

Contact a physician immediately in all cases of suspected poisoning. If breathing stops, start artificial respiration, establish an airway and provide oxygen. Make certain to remove all sources of continuing contamination. Remove clothing and wash skin and hair immediately with large amounts of water. Transport the patient to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN (See "NOTE TO PHYSICIAN" Statement).

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Never give anything by mouth to an unconscious or convulsing person. Call a physician and follow GENERAL advice listed above.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Call a physician and follow GENERAL advice listed above.

IN CASE OF EMERGENCY, TELEPHONE COLLECT (24 HOURS A DAY)
(304) 744-3487.

FOR GENERAL PRODUCT INFORMATION CALL (800) 4-9745.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 15 1985

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
P.O. Box 12014, T. W. Alexander Drive
Research Triangle Park, North Carolina 27709

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

264-383

ZECTRAN® is the registered trademark of Union Carbide Agricultural Products Company, Inc. for mexacarbate insecticide.

NET CONTENTS:

MADE IN U.S.A.

0277G/PENDING/02-13-85

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Do not enter treated areas without protective clothing until sprays have dried.

Apply ZECTRAN® brand 25W Mexacarbate Insecticide in water sprays to ornamental plants, ground cover, soil surfaces and other areas harboring pests. Keep well agitated. For specific uses consult the Recommendation Table.

TREES AND ORNAMENTALS:

FOLIAGE FEEDING INSECTS AND MITES: Spray infested plants thoroughly with a mixture containing 2 to 3 pounds of this product per 100 gallons of water. Where aphids, scale insects and mites are the major problem, use the higher dosage. Spray to wet the upper and lower leaf surfaces. Re-treat as necessary.

SNAILS ON ROOTS OF POTTED ORCHIDS: Dip pots containing orchids with root infestations of snails into a water drench containing 6 pounds of this product per 100 gallons of water. Immerse the pot so that the upper edge is slightly below the surface of the liquid. Allow to remain in suspension until all bubbling stops. Then withdraw pot and allow excess liquid to drain before returning to normal place. Repeat treatment as needed.

TURF AND GROUND COVERS:

SNAILS, SLUGS AND OTHER TURF PESTS: Mix 3 pounds of this product with 100 gallons of water. Spray to wet plants thoroughly. Use one gallon per 175 square feet to soak debris and soil under infested plants to kill snails and slugs secluded in such areas. Re-treat as needed. NOTE: Snails and slugs stop feeding soon after treatment, but complete kill may be delayed for two or three days.

USE RECOMMENDATIONS
TREE AND ORNAMENTAL INSECT CONTROL

PLANTS	PEST CONTROLLED	POUNDS OF "ZECTRAN" BRAND 25W PER 100 GALLONS WATER	SPECIFIC
Ornamentals Flowers Shrubs Vines Trees (Shade and Flowering) Evergreens	Birch Leafminer Cabbage Looper Flea Beetle Gypsy Moth Hackberry Nipple-Gall Maker Holly Budmoth Holly Leafminer Leafhopper Leafrollers Lygus and other plant bugs	2	Spray to wet including bot leaf surfaces
	Aphids Armyworms Azalea Leafminer Bagworms Cutworms Honeylocust Pod Gall Japanese Beetle Mealybugs	3	
	Mites Needle Miner Orange Tortrix Rose Chafer Scales (crawlers) Slugs Snails Soft Scales Whiteflies Yellow-necked Caterpillar		
Potted Orchids	Snails	6	To control snails on potted orchids containing or infestations of this product of water. In that the upper below the surface liquid. Allow suspension up stops. Then allow excess before return place. Repeat needed. CAUTION: Do not contaminate or drench. Use mechanical

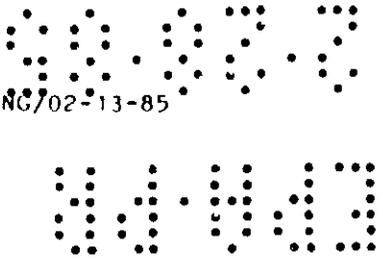
NOTE: 3, 4 1/2, and 9 tablespoonfuls per 1 gallon are equivalent to 2, 3, and 6 pounds per 100 gallons.



TURF AND GROUND COVER INSECT CONTROL

PEST CONTROLLED	POUNDS OF "ZECTRAN" BRAND 25W PER 100 GAL	SPECIFIC DIRECTIONS
Armyworms Cutworms Slugs Snails Sod webworm (lawn moths) Sowbugs (pillbugs)	3	Water turf thoroughly before treating. Apply 1 gallon of spray mixture per 175 square feet (250 gallons of water/acre) of area treated. Soak debris and soil under infested plants to kill snails and slugs secluded in such spots. NOTE: Snails and slugs stop feeding soon after treatment but complete kill may be delayed for 2 to 3 days.

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PESTICIDE DISPOSAL

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

Pesticide wastes are actually 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). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.

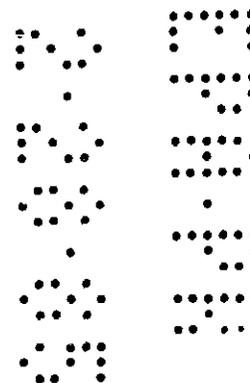
PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Fatal if swallowed. May be fatal if inhaled. May be harmful if absorbed through the skin. May be irritating to eyes. Do not take internally. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

Wear long-sleeved clothing and goggles or safety glasses while using. Wash exposed skin thoroughly with soap and water after handling and before eating or smoking. Change clothing daily. Wash contaminated clothing with a strong detergent solution before reuse.



SIGNS AND SYMPTOMS OF OVEREXPOSURE

Salivation, Watery eyes, Pinpoint eye pupils, Blurred vision, Muscle tremors, Difficult breathing, Excessive sweating, Abdominal cramps, Nausea, Vomiting, Diarrhea, Weakness, Headache. In severe cases, convulsions, unconsciousness and respiratory failure may occur.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN below.

NOTE TO PHYSICIAN

Mexacarbate is a methyl carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible.

Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent overatropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

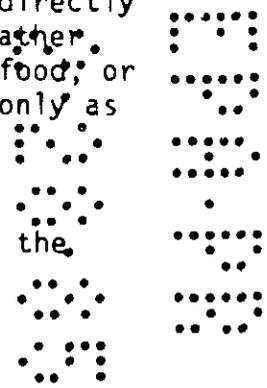
To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by Union Carbide Agricultural Products Company, Inc.

Consultation on therapy can be obtained at all hours by calling the Union Carbide emergency number: (304) 744-3487.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds or other wildlife. Do not apply directly to water. Keep out of lakes, ponds, or streams. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water, food, or feed by cleaning equipment or disposal of wastes. Apply this product only as specified on this label.

BEE CAUTION: This product is highly toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.



LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions, and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

