

ORTHENE® Tobacco Insect Spray

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT: If swallowed, drink 1 or 2 glasses of water for 1 hour. Induce vomiting by touching the back of the throat with finger. If possible, contact Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center. In case of eye contact, wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor. For skin contact, wash skin with plenty of soap and water. If inhaled, remove person from exposure area.

Note to Physicians: Emergency Information - call (415) 233 3737. Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine, but should not be used alone.

WORKER SAFETY: USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, REPAIR AND CLEANING OF MIXING, LOADING AND APPLICATION EQUIPMENT, AND DISPOSAL OF THE PESTICIDE, AND AREAS FOR WHICH A REENTRY INTERVAL HAS BEEN ESTABLISHED: EARLY REENTRY INTO TREATED AREAS. Chemical resistant gloves, long sleeved shirt, long legged pants, shoes and socks. If over head exposure is likely, such as during bagging, wear a hood or wide brimmed hat. **WORK SAFETY:** Always wash hands, face and arms with soap and water before smoking, eating, drinking or toileting. **AFTER WORK:** Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Personal and protective clothing worn in treated areas must be laundered separately from household articles. Store protective clothing in a separate house.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds. Do not apply directly to water or wetlands. Lower or soil incorporate spils. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

Do not enter treated areas without protective clothing until spray has dried.

Certain states may require more restrictive reentry intervals. Consult your State Department of Agriculture for further information.

When all label warnings regarding use of protective clothing and accidental exposure must be given to persons who are expected to be in treated areas or in areas about to be treated.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage, disposal or cleaning of

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not store or transport near feed or food. For help with any spill, leak, fire or exposure involving this material, call day or night (415) 233 3737.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty canister into application equipment. Do not reuse container. Dispose of empty canister in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS

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

TRANSPLANT WATER APPLICATION

CROP	PEST	LBS ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco	Flea Beetle, Green Peach Aphid, Tobacco Aphid, Cutworm	1

Provides control of early season flea beetles, green peach aphids, tobacco aphids and cutworms for approximately 3-4 weeks after transplanting. For later season control of these insects, apply a follow spray of ORTHENE Tobacco Insect Spray.

Apply in a minimum of 100 gallons of transplant water per acre. **DO NOT APPLY MORE THAN 1 LB ORTHENE TOBACCO INSECT SPRAY PER ACRE AS A TRANSPLANT WATER APPLICATION AS SOME PHYTOTOXICITY MAY OCCUR.**

FOLIAR APPLICATION

CROP	PEST	LBS ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco (Flue Cured, Air Cured, Dark Fire Cured)	Grasshoppers, Green Peach Aphid, Flea Beetle, Hornworm, Tobacco Aphid, Budworm, Cabbage Looper, Cutworm	1/2 to 1/4 1/2 1/2 to 1 1

Apply in 10 to 50 gals water per acre with ground equipment or a minimum of 3 gals per acre by air. Apply on a 7 day schedule or as needed. Do not apply within 3 days of harvest. Do not re-enter sprayed areas until the spray deposit has dried.

PLANT BED APPLICATION

CROP	PEST	LBS ORTHENE TOBACCO INSECT SPRAY PER ACRE
Tobacco Bed Treatment	Flea Beetle, Green Peach Aphid, Tobacco Aphid, Cutworm	1

Apply to foliage at the equivalent of 1 tablespoon in 1 gal of water per every 1,000 sq ft of bed. Apply evenly to insure thorough coverage.

SOIL APPLICATION

CROP	PEST	AMOUNT ORTHENE TOBACCO INSECT SPRAY
Tobacco	Imported Fire Ants	Mound Treatment - Dry Method: Evenly distribute 1 to 2 teaspoons over the mound. Branch Method: Mix 1 or 2 gals of water. Apply 1 gal of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.

For best results, apply the material in the early morning or late afternoon when the ants are most active. Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest. Treat maximum of 13 mounds per acre. Do not treat more than once per season. Do not apply within 3 days of harvest.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

NOTE: This product is sold by weight and package is full when packed, but due to fluffy nature this material is inclined to settle.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorize any agent or representative to make any other warranty, guarantee or representation, express or implied, concerning this product. **SPECIFICALLY, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. CAUTIONS AND LIMITATIONS: In connection with the use of this product, such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

Manufactured for
Valent U.S.A. Corporation © 1989
Valent Creek, CA 94596 8025
R Form 252-A Product 5248 Made in U.S.A.
EPA Reg. No. 64-2677

BEST AVAILABLE COPY

Subject: Revised Label Formula
Misty Room Fogger
EPA Registration No. 10807-19
Your Submission Dated November 21, 1989

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.

The revised formula dated April 25, 1989 is acceptable and has been included in our files for this pesticide. Use of methylene chloride as a solvent in this formulation would no longer be consistent with the terms of registration.

Phil Hutton
Phil Hutton
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (N7501C)

Enclosure

51299:I:A-4:Schroeder:C.Disk:KEMCO:09/20/90:CL:ejh

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							