

PM 16

.59639-33

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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 (or milk) and induce vomiting by touching the back of the throat with finger. If possible contact a physician, 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 1-800-457-2022. 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, APPLICATION, REPAIR, AND CLEANING OF MIXING, LOADING, AND APPLICATION EQUIPMENT, 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 overhead exposure is likely, such as during flagging, 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 during work must be laundered separately from household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Cover or soil-incorporate spills. 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 treatment area.

BEST AVAILABLE COPY

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. Reentry into treated areas is prohibited for 24 hours after the end of application unless the protective clothing specified elsewhere on this label is worn. Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information. Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers 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 equipment. Open dumping is prohibited.

STORAGE

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in cool, dry place. Protect from excessive heat. Do not contaminate food or foodstuffs. 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 1-800-457-2022.

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



ORTHENE®

90 S

NOTIFICATION
LABEL NOT REQUIRED
PER PR NOTICE 20-4

DATE AUG 6 1990

(INSECTICIDE)

Active Ingredient

*Acephate (O,S-Dimethyl
acetylphosphoramidothioate)

Inert Ingredients

*ORTHENE®, Acephate U.S. Pat. No. 3,716,600

By W

90

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KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

THIS PRODUCT MAY NOT BE REFORMULATED, REPACKAGED OR RELABELED.

NET WEIGHT: 20 POUND

Manufactured for
Valent U.S.A. Corporation © 1990
Walnut Creek CA 94596-8025
Product 5593 Made in U.S.A.
R Form 256-D
EPA Reg. No. 59639-33-AA

CLF date:

8-3-90

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

COTTON

Crops	Insects	Label Rate* (lbs. to Acres) (Formulated)	Further Use Instructions	Days to Harvest
Cotton	Thrips	1 lb. to 5 Acres (3.2 oz. per acre)	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals./acre in CA, AZ) or 10 to 25 gals. spray per acre by ground.	21
	Plantbugs (Lygus)	1 lb. to 4 Acres up to 1 lb. to 1 Acre (0.25 to 1 lb. per acre)	Apply when eggs or insects first appear. Repeat as necessary to maintain control.	
	Fleahopper	1 lb. to 2 Acres up to 1 lb. to 1 Acre (CA, AZ) (0.5 lb. to 1 lb. per acre)	Do not feed gin trash to live- stock or allow animals to graze on treated areas.	
	Cotton Aphid	1 lb. to 4 Acres (0.25 lb. per acre)	Lygus—Use higher rate for lygus adults that have migrated into cotton.	
	Whitefly	1 lb. to 2 Acres up to 1 lb. to 1 Acre (0.5 lb. to 1 lb. per acre)	Bollworm and Tobacco Budworm —Early season light infestation use 1 lb. to 2 acres. Mid and late season moderate to severe infestations use 1 lb. to 1 acre. Apply when eggs appear and repeat at a 3 to 7 day interval.	
	Armyworms	1 lb. to 1 Acre (1 lb. per acre)	Adults/Larvae: Moths are con- trolled when they come in direct contact with spray particles dur- ing application. Moth kill is most likely to occur when appli- cation is made late in the evenings during periods of peak activity. Eggs: When spray particles come in direct contact with eggs, hatching larvae may be controlled as they consume and emerge from their egg casing.	
	Cabbage Looper	1 lb. to 2 Acres up to 1 lb. to 1 Acre (East of Rockies) (0.5 lb. to 1 lb. per acre)	Pink Bollworm—Apply when in- sects appear and repeat at a 5 to 7 day interval.	
	Bollworm	1 lb. to 1 Acre (CA, AZ) (1 lb. per acre)		
	Tobacco Budworm	1 lb. to 1.25 Acre (0.8 lb. per acre)		
	Adults Larvae	1 lb. to 1 Acre (CA, AZ) (1 lb. per acre)		
	Eggs/Dead Hatch	1 lb. to 1.25 Acre (0.8 lb. per acre)		
	Stinkbugs (CA, AZ)	1 lb. to 1 Acre (1 lb. per acre)		
	Pink Bollworm (CA, AZ)	1 lb. to 1 Acre (1 lb. per acre)		

*Where a rate is given, use the higher rate when large (late instar) larvae are present or where heavy insect pressure exists.

COTTON TANK MIXES

Crops	Insects	Amount ORTHENE 90 S + LORSBAN® 4E Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA, AZ)	Armyworms Bollworm Cabbage Looper Cotton Aphid Cutworms Fleahopper Grasshoppers Pink Bollworm Plant Bugs (Lygus, Mirids) Salt Marsh Caterpillar Thrips Tobacco Budworm Whitefly	4.44 oz. to 17.77 oz. + 1 to 2 pts.	Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas.	21

Crops	Insects	Amount ORTHENE 90 S + PYDRIN® 2.4EC Per Acre	Further Use Instructions	Days to Harvest
Cotton (Except CA, AZ)	Tobacco Budworm	0.93 oz. + 2 1/2 fl. oz.	Begin applications when eggs or insects appear and apply as needed to maintain control. Apply in 3 to 5 gals. of water with aerial equipment or in 10 to 25 gals. of water with ground equipment. Do not feed gin trash to live- stock or allow animals to graze treated areas. Do not apply more than two (2) lbs. active ingredient of PYDRIN to a crop in a growing season. All applicable directions, restric- tions and precautions on the EPA registered labels are to be followed.	21

**COTTON SEED HOPPER BOX TREATMENT
(EXCEPT AZ, CA AND THE BLACK LANDS OF TEXAS)**

Crop	Insects	Amount ORTHENE 90 S Per Acre	Further Use Instructions
Cotton	Thrips Cotton Aphids Black (Greasy) Cutworm	2.5 to 3.25 oz.	Apply 2.5 to 3.25 oz. ORTHENE 90 S in the planter box as a dis- insect control. To obtain even fill planter box 1/2 full of seed proper amount of ORTHENE 90 S thoroughly with a stick. Add the of the seed to the planter box additional required amount of 90 S followed by thorough mixing proved mixing, premix seed with 90 S in a suitable container, then treated seed into planter box. ORTHENE 90 S will occur if air are used. Plants grown from in- covered seed will not exhibit insect Do not use treated seed for food purposes or process for oil.

COTTON IN-FURROW APPLICATION

Crop	Insects	Amount ORTHENE 90 S Per Acre	Further Use Instructions
Cotton	Aphids Thrips	0.5 to 1.0 lb. active	Refer to the ORTHENE 90 S chart before making product ap- plication. ORTHENE 90 S CONVERSION LBS. A. I. TO OZ. FORMULATED

0.5	8.9
0.6	10.7
0.7	12.4
0.8	14.2
0.9	16.0
1.0	17.8

Apply 0.5 to 1.0 lb. active ORTHENE 90 S in 3 to 5 gals. of water per acre in-furrow spray.
NOTE: For the Blacklands of Texas
the 1.0 lb. active ORTHENE 90 S
oz. formulated product per acre).
90 S can be mixed with fungicide
are sprayed in-furrow for disease

Flat-fan nozzles used for in-furrow
application should be set so that the fan
pattern is aligned with the row
good spray deposition in the seed
Cone type nozzles may not provide
pattern that insures maximum sprin-
tion in the seed furrow, and is
avoided. Spray systems that emp-
or plastic tubing for delivery
solution into the seed furrow sh-
tubing securely fastened to the fur-
er and should be checked frequen-
sure that the tubing is properly
to deposit spray solution into the
row.

Do not apply under conditions involving possible drift to food, forage or other crops 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 because of the fluffy nature this material is inclined to settle.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the description on the label and is reasonably fit for use under average conditions when used in accordance with the directions on the labeling. Valent does not make nor authorize any representative to make, any other warranty, guarantee or representation, express or implied, for this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE.
2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating connection with the use of this product. Such risks include, but are not limited to, damage 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 when product is reasonably fit under average conditions for the uses stated on the labeling and label directions are followed. Buyer and user acknowledge and assume all risks and liabilities 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.

LORSBAN® — Reg. TM of Dow Chemical Company for chlorpyrifos insecticide

PYDRIN® — Reg. TM of E. I. du Pont de Nemours & Co., Inc. for fenvalerate

ORTHENE® — Reg. TM of Chevron Chemical Company for acephate insecticide