

ORTHENE 90 S
EPA Reg. No. 59639-33
Submitted: March 8, 1990

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 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 over-head 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.

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.



NOT REVIEWED

In Accordance with EP Notice 80-2
Based on Label Re-evaluation dated 2/15/90

ORTHENE®
90 S

(INSECTICIDE)

Active Ingredient	By Wt.
*Acephate (O,S-Dimethyl acetylphosphoramidothioate)	90%
Inert Ingredients	10%
*ORTHENE®, Acephate U.S. Pat. No. 3,716,600	

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 POUNDS

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

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

COTTON

Crops	Insects	Label Rate* (lbs. to Acres) (Particulars)	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.	
		1 lb. to 2 Acres up to 1 lb. to 1 Acre (CA, AZ) (0.5 lb. to 1 lb. per acre)	Lygus—Use higher rate for Lygus adults that have migrated into cotton.	
	Fleahopper	1 lb. to 4 Acres (0.25 lb. per acre)	Beltworm and Tobacco Budworm Early season light infestation in 1 lb. to 2 acres. Mid and late season adequate to severe infestation in 1 lb. to 1 acre.	
	Cotton Aphid	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre	Apply when eggs appear and repeat at 7 to 10 day interval.	
	Whitefly	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre	Apply when eggs appear and repeat at 7 to 10 day interval.	
	Armyworm	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre	Pink Beltworm: Apply when in- sects appear and repeat at a 7 to 10 day interval.	
	Cabbage Looper	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre	Do not feed on trash to live- stock or all weanlings to graze in treated areas.	
	Beltworm	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre		
	Budworm	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre		
Cotton (CA, AZ)	Stink bug	1 lb. to 1.25 Acres up to 0.8 lb. per acre		21
	Pink Beltworm	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre		
	Whitefly	1 lb. to 1 Acre up to 0.5 lb. to 1 lb. per acre		

*Where a rate is given, use the higher rate when large plants in the foliage are present or where heavy insect pressure exists.

COTTON TANK MIXES

Crops	Insects	Amount ORTHENE 90 S + LORSBANK 4E Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA, AZ)	Armyworm	4.4 oz. to 17.77 oz.	Do not feed on trash or treated forage to livestock. Do not allow livestock to graze on treated areas.	21
	Beltworm	1 to 2 qt.		
	Cabbage Looper			
	Cotton Aphid			
	Cutworm			
	Fleahopper			
	Grasshopper			
	Pink Beltworm			
	Plant Bug			
	Lygus, Mids			
Cotton Except CA, AZ	Salt Marsh			21
	Caterpillar			
	Thrips			
	Tobacco			
	Budworm			

Crops	Insects	Amount ORTHENE 90 S + PYDRIN 24EC Per Acre	Further Use Instructions	Days to Harvest
Cotton Except CA, AZ	Thrips	8.93 oz. to 22.31 oz.	Begin applications when eggs or insects appear and apply as needed to maintain control.	21
	Budworm		Apply in 3 to 5 gals. of water with spraying equipment or 10 to 25 gals. of water with ground equipment.	
			Do not feed on trash to live- stock or all weanlings to graze in treated areas.	
			Do not apply more than 1 to 2 lb. of active ingredient PYDRIN to a crop in a growing season.	
			All applicable directions, restric- tions and precautions on the EPA registered labels are to be followed.	

**COTTON SEE
(EXCEPT AZ, CA, AL)**

Crop	Insects	ORTHENE
Cotton	Thrips Cotton Aphid Black/Green Cutworm	2.5 to 3

Do not apply under conditions involve
that might be damaged or the crops
NOTE: This product is a flammable
solid, and should be stored in a cool, dry place.

STORAGE

PROHIBITIONS
Do not use in water or in a tank.
Open in a dry, cool place.

STORAGE
Keep in a cool, dry place. Do not
store in a tank or in a container.
Do not store in a container or in a
store in a dry place. Protect from
Do not store or transport near feed
for help with any spill leak free
night 800 457 2022

PESTICIDE DISPOSAL
Waste resulting from the use of this
approved waste disposal facility.

CONTAINER DISPOSAL
Completely empty bag into a receptacle
of empty bag in a sanitary and effi-
cient authorities by burning.
If burned, stay out of smoke.

IMPORTANT INFORMATION READ

LIMITED WARRANTY. The value of this
to the chemical description of the in-
condition when used strictly in ac-
does not make any other person or
quantity or representation or expres-
NO IMPLIED WARRANTY OF MERCH-
PURPOSE IS MADE
1. Cotton and uniform with this
all uses in connection with the use
limited to damage to plants and ex-
control over the handling and appli-
to other crops or crops in other
under storage conditions for which
directions are followed. Buyer will
except those assumed by the seller in
use of the product.
2. Precautions stated on the label are
to the product.

LORSBANK Reg. TM of Dow Chem.

PYDRIN Reg. TM of E.I. du Pont de Nemours & Co.

ORTHENE Reg. TM of E.I. du Pont de Nemours & Co.