

ORTHENT 905  
 Submitted March 27, 1989  
 EPA Reg. No. 239-2584

COPY A

Label Rate* (lbs. to Acres) (Formulated)
1 lb. to 5 Acres (3.2 oz. per acre)
1 lb. to 4 Acres up to 1 lb. to 1 Acre (0.25 to 1 lb. per acre)
1 lb. to 2 Acres up to 1 lb. to 1 Acre (CA,AZ) (0.5 lb. to 1 lb. per acre)
1 lb. to 4 Acres (0.25 lb. per acre)
1 lb. to 2 Acres up to 1 lb. to 1 Acre (0.5 lb to 1 lb. per acre)
1 lb to 1 Acre (1 lb. per acre)
1 lb. to 2 Acres up to 1 lb. to 1 Acre (East of Rockies) (0.5 lb to 1 lb. per acre)
1 lb. to 1 Acre (CA,AZ) (1 lb. per acre)
1 lb. to 1.25 Acre (0.8 lb. per acre)
1 lb. to 1 Acre (1 lb. per acre)

~~59639-33~~  
 59639-33

ORIENT 90S

Submitted: March 27, 1989

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2 of 4

COPY B

1 lb. to 2 acres.

COPY C

1 lb. to 1 acre.

COPY D

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

307-1

# **PRECAUTIONARY STATEMENTS**

## **HAZARDS TO HUMANS & DOMESTIC ANIMALS**

### **CAUTION**

Irritant. May cause eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after use.

### **STATEMENT OF PRACTICAL TREATMENT**

In case of eye contact, flush with water for milk and induce vomiting by pulling the back of the throat with finger. If possible, contact a physician. In case of skin contact, remove contaminated clothing before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. In case of ingestion, contact a physician. In case of contact with skin, wash 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, an antidote, 2 PAM may 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 overboard 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. **AFTERWORK:** Enter home, shower, wash them with soap and water. Take off all work clothes and shoes. Shower as usual and water. Wear only clean clothes when sleeping. Do not wear contaminated clothing. Personal and protective clothing worn during work must be laundered separately from household laundry. 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.



**ORTHO**

**ORTHENE®**

**90 S**

**(INSECTICIDE)**

Active ingredient

\*Acephate (O,S Dimethyl phosphorothioate)

Other ingredients

\*ORTHENE® Acephate U.S. Pat. No. 3,111,111

6.4 Wt

6.4

16

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE SIDE PANEL FOR ADDITIONAL**

**PRECAUTIONARY STATEMENTS:**

**NET WEIGHT 20 POUNDS**

**Chevron Chemical Company** © 1989

Ortho Agricultural Chemicals Division

San Ramon, CA 94583

Product 5593 - Made in U.S.A.

Form 11115-B

EPA Reg. No. 239-2154

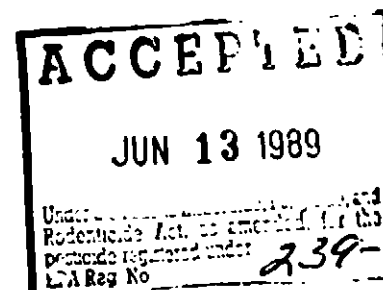
ORTHENE 90S

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1 lb. to 1 Acre (1 lb. per acre)



COPY B

1 lb. to 2 acres.

COPY C

1 lb. to 1 acre.

COPY D

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

**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 (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, 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.

**DIRECTIONS FOR USE**

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**REENTRY STATEMENT**

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

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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.



**ORTHO**

**ORTHENE®**  
**90 S**

**(INSECTICIDE)**

**Active Ingredient**

\* Acephate (O,S-Dimethyl acetylphosphoramidothioate)

**Inert Ingredients**

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

**By Wt**

90%

10%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**NET WEIGHT 20 POUNDS**

**Chevron Chemical Company © 1989**

Ortho Agricultural Chemicals Division

San Ramon CA 94583

Product 5593 Made in U.S.A.

Form 11155-B

EPA Reg. No. 239-2584

# DIRECTIONS

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

COTTON				
Crops	Insects	Amount ORTHENE 90 S Per Acre	Further Use Instructions	Days to Harvest
Cotton	Thrips	1.86 oz. to 3.33 oz.	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)	4.44 oz. to 17.77 oz. (CA, AZ)		
	Flies	4.44 oz.		
	Cotton Aphid	8.93 oz. to 17.77 oz.	Apply when eggs or insects first appear. Repeat as necessary to maintain control.	
	Whitefly	17.77 oz.		
	Armyworms	8.93 oz. to 17.77 oz.	Lygus - Use higher rate for Lygus adults that have migrated into cotton.	
	Cabbage Looper	17.77 oz. (CA, AZ)		
	Bollworm	8.93 oz. to 17.77 oz.	Bollworm and Tobacco Budworm - Early season light infestation use 8.93 oz. per acre. Mid and late season moderate to severe infestations use 17.77 oz. per acre. Apply when eggs appear and repeat at a 3 to 7 day interval.	
	Tobacco Budworm	17.77 oz. (CA, AZ)		
	Stinkbugs (CA, AZ)	13.33 oz.		
	Pink Bollworm (CA, AZ)	17.77 oz.	Pink Bollworm - Apply when insects appear and repeat at a 5 to 7 day spray interval.	
			Do not feed gin trash to live stock or allow animals to graze on treated areas.	

## COTTON TANK MIXES

Crops	Insects	Amount ORTHENE 90 S + LORSBAN® 4E Per Acre	Further Use Instructions	Days to Harvest
Cotton (CA, AZ)	Armyworms	4.44 oz. to 17.77 oz.	Do not feed gin trash, or treated forage to livestock. Do not allow livestock to graze on treated areas.	21
	Bollworm	8.93 oz. to 17.77 oz.		
	Cabbage Looper	1 to 2 pts.		
	Cotton Aphid			
	Cutworms			
	Flies			
	Grasshoppers			
	Pink Bollworm			
	Plant Bugs			
	(Lygus, Mirids)			
	Salt Marsh Caterpillar			
	Thrips			
	Tobacco Budworm			
	Whitefly			

Crops	Insects	Amount ORTHENE 90 S + PYDRIN® 2.4EC Per Acre	Further Use Instructions	Days to Harvest
Cotton (Except CA, AZ)	Tobacco Budworm	8.93 oz. + 2 1/4 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 livestock 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, restrictions 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 per acre in the planter box as a dry powder. Even coverage is required for acceptable insect control. To obtain even coverage, fill planter box 1/2 full of seed, add the proper amount of ORTHENE 90 S and mix thoroughly with a stick. Add the remainder of the seed to the planter box and the additional required amount of ORTHENE 90 S followed by thorough mixing. For improved mixing, pre-mix seed with ORTHENE 90 S in a suitable container, then pour treated seed into planter box. Loss of ORTHENE 90 S will occur if air planters are used. Plants grown from improperly covered seed will not exhibit insect control. Do not use treated seed for food or feed purposes or process for oil.

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.

## 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 (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 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.

**CONDITIONS OF SALE:** 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron 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 Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. 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 the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.

LORSBAN® - Reg. TM of Dow Chemical Company for Chlorpyrifos insecticide

PYDRIN® - Reg. TM of E. I. du Pont de Nemours & Co., Inc. for Fenvalerate insecticide.

**BEST AVAILABLE COPY**