

Best Available Copy

**PRECAUTIONARY STATEMENTS**  
**HAZARD TO HUMANS & DOMESTIC ANIMALS**  
**CAUTION:**  
 Harmful if swallowed. May be irritating to the eyes. Do not breathe spray mist. Avoid eye or skin contact. In case of eye or skin contact, flush with plenty of clear water. If irritation persists, see a physician.  
 Note to Physicians: Emergency information - call (415) 233-3737. ORTHENE is a cholinesterase inhibitor. Signs of cholinesterase inhibition appear, atropine is antidotal. 2-PAM may also be used in conjunction with atropine but should not be used alone.  
**ENVIRONMENTAL HAZARD**  
 Do not contaminate water by cleaning of equipment or disposal of wastes. Avoid direct application to lakes, ponds and streams. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

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

**STORAGE AND DISPOSAL**  
**PROHIBITIONS**  
 Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.  
**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 land or foodstuffs. Do not store or transport near feed or food.  
**PESTICIDE DISPOSAL**  
 Pesticide, spray mixture or residue that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.  
**CONTAINER DISPOSAL**  
 Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.  
**GENERAL**  
 Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

**DIRECTIONS** Table of Equivalents

Amount of ORTHENE 75 S	1 1/2 lbs.	1 lb.	3/4 lb.	4 oz.	2 oz.
Amount Active Contained	1 lb.	3/4 lb.	1/2 lb.	1/3 lb.	1/10 lb.

**BEANS AND LIMA BEANS (Dry and Succulent Forms):** Lygus (California) - Apply 3/4 lb. per acre in 20 to 100 gals. of water with ground sprayers or in 5 to 10 gals. of spray mix by air. Bean Leafroller and Soybean Looper (Florida), Mexican Bean Beetle (Virginia, North and South Carolina) - Apply 3/4 lb. per acre. Repeat as needed. Leafhoppers (East of the Mississippi River and Wisconsin only) - Apply 3/4 to 1 1/2 lb. per acre. Apply at 7 to 10 day intervals or as needed. Apply in 20 to 100 gals. water with ground sprayers. Begin appli-

cations when insects first appear. Do not apply to snap beans or dry beans within 14 days of harvest. Lima beans harvested in succulent form may be treated up to the day of harvest. Do not feed treated vines.

**CELERY (California and Florida):** Green Peach Aphid - Apply 3/4 to 1 1/2 lbs. per acre. Beet and Fall Armyworms and Cabbage Looper - Apply 1 1/2 lbs. per acre. Apply in 50 to 100 gals. water with ground sprayers. Begin applications when eggs or insects appear. Maintain a 3 to 7 day spray schedule in Florida and a 3 to 10 day schedule in California until insects have been reduced below economic numbers. Do not apply within 21 days of harvest. Plants should be marketed trimmed (tops removed) before shipping or use. Tops should not be used for feed or food.

**COTTON:** Armyworms and Cabbage Looper - Apply 1 1/2 lbs. per acre. Plantbugs (Lygus) - Apply 3/4 to 1 1/2 lbs. per acre. Fleahopper - Apply 1/2 lb. per acre. Whitefly - Apply 3/4 to 1 1/2 lbs. per acre. Thrips - Apply 2 to 4 oz. per acre. Begin applications when eggs or insects appear and apply as needed to maintain control. Bollworm and tobacco Budworm (Florida, Alabama, Georgia, Arkansas, Louisiana, Mississippi and Texas Only) - Apply 3/4 lb. per acre in early season under light infestations. Increase the rate to 1 to 1 1/2 lbs. in mid and late season as infestations become moderate to severe. (California and Arizona Only) - Apply 1 1/2 lbs. per acre. Begin applications when bollworm and tobacco budworm eggs appear in the field and maintain a 3 to 7 day spray schedule. Apply in 10 to 25 gals. water with ground equipment or in 3 to 10 gals. with aerial equipment in Southern States and in 5 to 10 gals. water with aerial equipment in California and Arizona. Do not apply within 21 days of harvest. Do not feed gin trash to livestock or allow animals to graze on treated areas.

**HEAD LETTUCE (Crisphead Type Only) - California, Arizona, Florida and New Mexico Only:** Green Peach Aphid - Apply 3/4 to 1 1/2 lbs. per acre. Cabbage Looper and Armyworms - Apply 1 1/2 lbs. per acre. Apply in 10 to 60 gals. of spray mix by ground as broadcast application or in 5 to 10 gals. of spray mix by air. Apply as necessary to maintain desired control. Do not apply after first head begins to form. Do not apply more than 6 3/4 lbs. per acre per season. Do not feed trimmings to livestock or allow animals to graze on treated areas.

**SOYBEANS:** Grasshoppers - Apply 3/4 to 1 1/2 lb. per acre. Soybean Looper, Cabbage Looper, Green Cloverworm, Velvetbean Caterpillar, Bean Leaf Beetle, Mexican Bean Beetle - Apply 3/4 to 1 1/2 lbs. per acre. Stinkbugs, Armyworms, Threecornered Alfalfa Hopper, Corn Earworm - Apply 1 to 1 1/2 lbs. per acre. Apply in 10 to 50 gals. of water with ground equipment or in 2 to 10 gals. with aerial equipment. Apply as needed but do not apply within 14 days of harvest. Do not graze or cut vines for hay or forage.

**SWEET PEPPERS (Bell Type):** Green Peach Aphid - Apply 3/4 lb. per acre. European Corn Borer - Apply 1 to 1 1/2 lbs. per acre. Apply in 25 to 150 gals. water with ground sprayers. Begin applications when eggs or insects appear. Maintain a 7 to 10 day spray schedule until insects have been reduced below economic numbers. Do not apply within 7 days of harvest.

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

**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.

**Chevron Chemical Company**  
 Ortho Agricultural Chemicals Division  
 San Francisco CA 94119 Richmond CA 94804  
 EPA Form 9155-N Product 5332 Made in U.S.A.  
 EPA Reg No 239-2418-AA



**ORTHO**

ACCEPTED  
 JUL 27 1979  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 239-2418

**ORTHENE® 75 S Soluble Powder**

(INSECTICIDE)

Active Ingredient By Wt.  
 Acephate (O,S-Dimethyl acetylphosphoramidothioate) ..... 75%  
 Inert Ingredients ..... 25%  
 U.S. Pat. No. 3,716,600

KEEP OUT OF REACH OF CHILDREN  
**CAUTION**  
 See back panel for additional precautionary statements.

**NET WEIGHT 1 POUND**

239-2418

07/27/1979

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