

PM 041

59630-31

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

5548731

NOV 2 1998

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Joseph L. Powell  
Project Manager  
Valent U.S.A. Corporation  
1333 N California Blvd. Suite 600  
Walnut Creek, CA 94596-8025

Dear Mr. Powell:

Subject: Orthene PCO Formula II  
EPA Reg. No. 59639-31  
Labeling Submitted July 9, 1998

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Correct the Environmental Hazards section to read as stated below. These corrections will bring the label into compliance with the labeling imposed in the 1987 Acephate Registration Standard for the use of acephate in outdoor areas.

“This product is toxic to birds. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or soil-incorporate spills.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds if bees are visiting the treatment area.”

2. If the label is more than one-sided, add to the front panel, “See [back/side] panel for precautionary statements.”

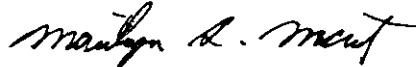
3. Relocate the disclaimer so that it does not appear in the middle of the directions for use section.

If this condition is not complied with, the registration will be subject to cancellation in

accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely,



Marilyn A. Mautz

Biologist

Insecticide-Rodenticide Branch

Registration Division (7504C)

348



# ORTHENE® PCO Formula II (INSECTICIDE)

ACCEPTED  
with COMMENTS  
in EPA Letter Docket

NOV 2 1998

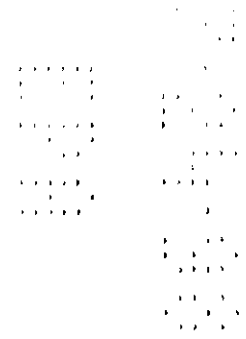
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the insecticide  
registered under EPA Reg. No.  
59639-31

For Use Only By Professional Applicators

Active Ingredient	By Wt.
Acephate (O,S-Dimethyl acetylphosphoramidothioate) .....	97.4%
Other Ingredients .....	2.6%

KEEP OUT OF REACH OF CHILDREN  
CAUTION

Net Weight 14 Ounces  
(10/1.4 Ounce Packets)



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid breathing dust, sprays, or vapors. Wash thoroughly with soap and water after handling. Remove and launder contaminated clothing before reuse. Do not allow children or pets to come into contact with treated surfaces until sprays have dried.

**STATEMENT OF PRACTICAL TREATMENT**

- If swallowed:** Drink 1 or 2 glasses of water (or milk) and induce vomiting by touching the back of 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.
- If in eyes:** Wash eyes immediately with fresh water for at least 15 minutes. See a doctor if irritation persists.
- If inhaled:** Remove person from exposure area.
- If on skin:** Wash skin with plenty of soap and water.
- Note to Physicians:** Emergency Information - call 1-800-892-0099. Acephate is a cholinesterase inhibitor. If signs and symptoms of cholinesterase inhibition appear, atropine is antidotal. 2-PAM is also antidotal and may be administered 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, AND DISPOSAL OF THE PESTICIDE: chemical-resistant gloves, long-sleeved shirt, long legged pants, shoes and socks.

**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**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

**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.**

**DISCLAIMER, CONDITIONS OF SALE,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened product within 15 days of purchase.

**RISKS OF USING THIS PRODUCT**

It is impossible to eliminate all risks associated with the use of this product. Such risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, moisture conditions, irrigation practices, presence of other materials, cultural practices or the manner of use or application, all of which are factors beyond the control of Valent. **All such risks shall be assumed by the Buyer.** Valent shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on the label. User assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the **Risks of Using This Product** described above.

**DISCLAIMER OF ALL OTHER WARRANTIES**

**VALENT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THIS PRODUCT.**

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer and User accept it, subject to the foregoing **Disclaimer, Conditions of Sale, Limited Warranty and Limitation of Liability**, which may not be modified by any oral or written agreement.

**PROMPT NOTICE OF CLAIM**

Valent must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from date of application) so that an immediate inspection of the affected property and growing crops can be made. Unless Buyer and Users shall promptly notify Valent of any claims, they shall be barred from obtaining any remedy.

**TANK MIXES**

**NOTICE:** Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

General Information: Use ORTHENE PCO Formula II for residual pest control in the areas listed by application as a 0.75% or 1.0% spray. Use the 0.75% rate for control of light infestations on nonporous surfaces and the 1.0% spray to quickly reduce heavy infestations. Activity of porous surfaces may be limited. Repeat treatment as needed.

Not for use in feed processing areas in feed handling establishments.

### DIRECTIONS

Apply within Residential Buildings including Homes and Apartments; and within Industrial, Institutional, and Commercial Buildings including Restaurants, Warehouses, Stores, Hospitals, Hotels, Manufacturing Plants and Ships. Apply as an outdoor treatment for control of ants, including imported fire ants and other listed pests.

Desired Concentration Wt./Wt.	Grams Product in 1 Gal. Water	Ounces Product in 1 Gal. Water	No. of Packets in 1 Gal. Water
1/2 %	19.5	0.7	1/2
3/4 %	29.3	1.0	3/4
1 %	39.0	1.4	1

**Cockroaches, Ants, Crickets and Firebrats:** Apply as a coarse, low pressure spot spray, crack and crevice spray or with a paint brush to localized areas where these pests are found or normally occur including corners of rooms and closets; around television sets and radios; along and behind baseboards; around and under sinks, dishwashers, washing machines, refrigerators, stoves and cabinets; areas where plumbing enters or leaves the room; or other areas inhabited by these pests.

**Note:** A period of 3 to 7 days may be necessary for ORTHENE PCO Formula II to reach its maximum effect on cockroaches.

**Earwigs, Pillbugs and Sowbugs:** Apply as a coarse, low pressure spot spray to areas around doors and windows, storage areas, baseboards and other areas where these pests may enter or be found.

**Pantry Pests - Exposed Stages (Confused Flour Beetle, Indian Meal Moth, and Trogoderma):** Apply ORTHENE PCO Formula II at 1.0% as a spot application to pantry and cupboard shelves where food containers suspected of being infested are stored. Prior to spraying, remove all foodstuffs, shelving paper and utensils. Do not replace the food packages until the surface has dried. Replace shelving paper. Infested food packages should be destroyed.

**Wasps:** Apply ORTHENE PCO Formula II as a spot application at 0.5% to 1.0% to the nest, nest entrance, and surrounding areas where the wasps alight. Wasps are generally less active early and late in the day, so it is advisable that nests should be treated during these times.

**Perimeter Treatment:** To control Cockroaches, Ants (including Imported Fire Ants), Pillbugs, and Earwigs, apply ORTHENE PCO Formula II at 0.5% to 1.0% to a band of soil 6 to 10 feet adjacent to the structure, also to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance. Also, apply as a residual spray or with a paint brush to surfaces of buildings, window frames, shutters, entry ways, screens, eaves, patios, garages, carports, around garbage areas and other areas

where these pests congregate. **NOTE:** When making Perimeter Treatments, only foraging ants will be controlled.

**Ants (Including Imported Fire Ants) in Mounds within a treated perimeter or other non-crop areas** - In order to control a mound or nest, a drench treatment is necessary. For mound drench treatment, dissolve one (1) packet (1.4 oz.) of ORTHENE PCO Formula II in nine (9) gals. of water. Apply one (1) gal. of mix to each mound by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.

For best results, apply ORTHENE PCO Formula II in the early morning or late afternoon when ants are most active. Mound drench applications made under prolonged hot and dry conditions may be ineffective due to the location of ants deep within the nest.

**NOTE:** Grass in treated areas may be injured. **DO NOT** treat a mound more than once per season.

**For Application as Spot Treatment** - Spot treatments may be applied at moderate pressures (up to 35 psi) using a coarse fan tip. For spot treatments, no individual spot will exceed two (2) square feet. Mix ORTHENE PCO Formula II according to dilution chart. Apply as a SPOT TREATMENT using coarse fan spray to areas inhabited by cockroaches. Treat areas such as baseboards, under and behind refrigerators, stoves, dishwashing and other equipment, as well as in storage areas, closets, sinks, cabinets, around windows, doors and water pipes. Spot treatment should also include underside of drawers, shelves and other sites where cockroaches frequent or travel.

**Food Handling Establishments:** For use in Federally Inspected Meat and Poultry Plants and places other than private residences in which exposed food is held, processed, prepared or served.

**Food Areas - Application Limited to Spot and/or Crack and Crevice Treatment Only:** Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing) preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Spray concentration shall be limited to a maximum of 1.0% active ingredient. Apply in small amounts directly into cracks and crevices using equipment capable of delivering a pin-stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, where labeled insects hide. Care should be taken to avoid depositing this product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces. **Applications of This Product In the Food Areas of Food Handling Establishments, Other than as a Spot and/or Crack and Crevice Treatment are not Permitted.**

**Non-Food Areas** - Includes garbage rooms, lavatories, floor drains (to sewer entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage). Spray concentration shall be limited to a maximum of 1.0% active ingredient. Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

**Serving Areas** - Facilities where prepared foods are served, such as dining rooms, but excluding areas where foods may be prepared or held: Apply as a spot treatment to selective surfaces such as baseboards, under elements of construction into cracks and crevices. Avoid treating surfaces likely to be contacted by food. (Do not apply when facility is in operation or foods are exposed). Do not allow spray or mist to contact food, foodstuffs or water supplies. Dishes and food handling utensils should be thoroughly washed in soap and water if exposed to contamination by the application of this product. Do not allow children or pets to come into contact with treated surfaces until sprays has dried.

**Caution.** Do not apply directly to carpet as staining may occur. Do not treat unpainted masonry floors in poorly ventilated areas such as garages or basements, especially where moisture or high humidity exists since persistent odor could develop.

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## **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 store or transport near feed or food.

For help with any spill, leak, fire or exposure involving this material, call day or night: 1-800-892-0099.

### **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**

After insuring that both used packets and outer containers are empty, crush and dispose of in trash container.

ORTHENE® - Reg. TM of Monsanto Company for acephate insecticide

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Manufactured for  
Valent U.S.A. Corporation  
Walnut Creek CA 94596-8025  
Form R1350B0.2980709  
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EPA Reg. No. 59639-31  
EPA Est. No. 39578-TX-01

