
	<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>Office of Pesticide Programs</b> <b>Registration Division (7505P)</b> <b>Ariel Rios Building</b> <b>1200 Pennsylvania Ave., NW</b> <b>Washington, D.C. 20460</b>		EPA Reg. Number: <b>59639-75</b>	Date of Issuance: <b>MAR 29 2007</b>
	<b>NOTICE OF PESTICIDE:</b> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)		Term of Issuance:	Name of Pesticide Product: <b>Orthene 15 Granular</b>
<b>Name and Address of Registrant (include ZIP Code):</b> <b>Valent U.S.A. Corporation</b> <b>1600 Riviera Avenue, Suite 200</b> <b>PO Box 8025</b> <b>Walnut Creek, CA94596</b>				
<b>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</b>				
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>Based on your response to the Reregistration Eligibility Decision (RED) for Acephate, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.</p> <p>Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.</p> <p>The labeling for the subject product submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided you submit one (1) copy of the final printed label incorporating the following corrections before you release the product for shipment. Products shipped after 12 months from the date of this Notice must bear the new revised label.</p> <ol style="list-style-type: none"> <li>1. Correct the Storage and Disposal statements as described below.           <ol style="list-style-type: none"> <li>a. Remove the heading "Prohibitions" from the statements.</li> <li>b. Remove the statement "open dumping is prohibited" from the "Prohibitions" subsection and place it in the more appropriate subsection titled "Pesticide Disposal".</li> </ol> </li> </ol>				
Signature of Approving Official: 			Date: <b>MAR 29 2007</b>	

2. Correct the warranty statements under "Prompt Notice of Claim" as specified below. Refer to the enclosed examples of warranty statements.


a. Add the phrase "to the extent consistent with applicable law allows such requirements" to the beginning of the sentence "Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or \_\_\_."

b. Add the phrase "to the extent consistent with applicable law" to the beginning of the sentence "If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy."

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

Based on the registrant's response to the acephate IRED, EPA has reregistered the use of acephate for the following Special Local Need (SLN) registrations associated with this parent product: NM930001, NM930002, OK950001, OK950002 and TX950003. A copy of the label for each of the SLNs is attached.

The Agency has completed the cumulative assessment for the organophosphate pesticides (OPs) and finalized the Interim Reregistration Eligibility Decisions (IREDs) for the OP pesticides. The assessment and supporting documents may be found on the Agency's web site at [www.epa.gov/pesticides/cumulative](http://www.epa.gov/pesticides/cumulative) and in the docket (EPA-HQ-OPP-2006-0618).

  
Meredith F. Laws, Chief  
Insecticide-Rodenticide Branch  
Registration Division (7504P)

Enclosures: Stamped label for parent product  
Examples of warranty statements  
SLN labels

cc (Notice and SLN label):

Bureau of Pesticide Management  
NM Dept. of Agriculture & Environmental Services  
MSC 3AQ Box 30005  
Las Cruces, NM 88003  
  
Pesticide Section Supervisor  
Oklahoma Dept. of Agriculture, Food & Forestry  
Consumer Protection Services, Pesticide & Horticulture Section

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P.O. Box 528804  
Oklahoma City, OK 73152

Director, Pesticide Registration Program  
Texas Dept of Agriculture  
P.O. Box 12847  
Austin, TX 78711

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
MAR 29 2007  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
As amended, for the pesticide  
Registered under EPA Reg. No.  
59639-75

**ORTHENE®**  
**15 GRANULAR**  
**Soil Applied Insecticide**

Active Ingredient	By Wt.
*Acephate .....	15%
Other Ingredients .....	85%
Total .....	100%

\*O,S-Dimethyl acetylphosphoramidothioate

U.S. Patent Nos. 5,298,501; 5,369,100; 5,352,674

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

NET WEIGHT \_\_\_\_\_

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

**CAUTION**

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

**FIRST AID**

**Acephate is an organophosphate, cholinesterase inhibitor.**

- If swallowed:**
  - Call a poison control center or doctor immediately for treatment advice.
  - Have person sip a glass of water if able to swallow.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.
- If in eyes:**
  - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
  - Call a poison control center or doctor for treatment advice.
- If on skin or clothing:**
  - Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
- If inhaled:**
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Acephate is a cholinesterase inhibitor. If signs of cholinesterase inhibition appear atropine is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**Mixers, Loaders, Applicators and Other Handlers must wear:** Long sleeved shirt and long pants, chemical-resistant gloves such as Butyl rubber ≥ 14 mils, Nitrile rubber ≥ 14 mils and Neoprene ≥ 14 mils and shoes plus socks.

**See Engineering Controls for additional requirements.**

**ENGINEERING CONTROLS:**

When handlers use closed systems or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.2430(d)(6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. As soon as possible, wash thoroughly and change into clean clothing.



**USER SAFETY RECOMMENDATIONS:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Cover or soil incorporate spills. Soil incorporate (disc) any surface material present in turn-rows immediately after application to limit exposure of birds to surface granules.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**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.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: coveralls, chemical-resistant gloves made of any waterproof material and shoes plus socks.

**DISCLAIMER, RISKS OF USING THIS PRODUCT,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These 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 of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer 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 only 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 as described above. EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE 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 THE PRODUCT.

**PROMPT NOTICE OF CLAIM**

Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

**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.

**DIRECTIONS**

CROP	PESTS CONTROLLED	RATE OF ORTHENE 15 GRANULAR PER ACRE	FURTHER USE INSTRUCTIONS
Cotton	Aphids Cutworms Thrips	5 to 6 2/3 lbs. (0.75 to 1.0 lb. ai/A)	<p>Apply with in-furrow granular application equipment at planting. Minimize surface application by ensuring adequate application depth (2" minimum) and immediate coverage of furrows with soil. Calibrate and adjust application equipment to insure proper rate and accurate placement. Soil incorporate (disc) any surface material present in turn-rows immediately after application. Use the higher end of the rate range in areas which historically experience prolonged early season insect pressure due to factors such as adjacent alternate hosts, i.e. maturing cereal grains; weedy underbrush, etc. Cotton treated with the lower end of the rate range may display more visible feeding symptoms and require subsequent foliar application(s) of insecticide to control prolonged infestations of early season insects.</p> <p>Do not apply more than 4 lbs. of ai/A per crop cycle. This includes the use of ORTHENE 15 Granular as an in-furrow at planting treatment, all ORTHENE<sup>®</sup> foliar spray, liquid in-furrow application, hopper box and seed treatment uses.</p>

**CALIBRATION GUIDE**

Use Rate Lbs./A (lbs. ai/A)

Row Ft. (rf) to Collect 1 oz. ORTHENE 15 Granular

ROW SPACING	5 lbs./A (0.75)	5 1/2 lbs./A (0.83)	6 lbs./A <sup>a</sup> (0.9)	6 2/3 lbs./A (1.0)
30"	218 rf	198 rf	182 rf	163 rf
36"	182 rf	165 rf	151 rf	136 rf
38"	172 rf	156 rf	143 rf	129 rf
40"	163 rf	149 rf	136 rf	123 rf

When applied to soil in which adequate moisture for germination and normal seedling growth is maintained, either by irrigation or rainfall, the active ingredient in ORTHENE 15 Granular is quickly absorbed by the roots and translocated in the xylem throughout the entire plant. Insufficient moisture after application will result in a lack of insect control.



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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.

### PESTICIDE STORAGE

Keep pesticide in original container.  
Store in a 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 **1-800-892-0099**.

### 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

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.

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ORTHENE® - Reg. TM of OMS Investments, Inc.

Manufactured for:  
**Valent U.S.A. Corporation**  
P.O. Box 8025  
Walnut Creek, CA 94596-8025  
[www.valent.com](http://www.valent.com)

Made in U.S.A.

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EPA Est. No. 33560-TN-01