

70506-1

05/06/2009

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

MAY 06 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Timothy M. Formella  
United Phosphorus, Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

Subject: Notification to Revise Label Language

Dear Mr. Formella:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and PR Notice 98-10 dated April 8, 2009 for:

<b>EPA Reg. No. 70506-1</b>	<b>Acephate 75 Insecticide</b> ✓
<b>EPA Reg. No. 70506-2</b>	<b>Acephate 90 Insecticide</b>
<b>EPA Reg. No. 70506-3</b>	<b>Acephate Technical</b>
<b>EPA Reg. No. 70506-71</b>	<b>Acephate 90SP Manufacturing Use Product</b>
<b>EPA Reg. No. 70506-76</b>	<b>Acephate 90 DF Insecticide</b>

Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and PR Notice 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4 and PR Notice 98-10. The labels have been date-stamped "Notification" and will be placed in our records.

If you have any questions, at 703 305-5409 or electronically at [daniel.dani@epa.gov](mailto:daniel.dani@epa.gov)

Sincerely,

A handwritten signature in black ink, appearing to be "DS/".

Dani Daniel  
Registration Division (7505P)  
Insecticide/Rodenticide Branch

# NOTIFICATION

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

- Registration  
 Amendment  
 Other:

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 70506-1	2. EPA Product Manager Marilyn Mautz	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Acephate 75 Insecticide	PM# 4	
5. Name and Address of Applicant (Include ZIP Code) United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406  <input type="checkbox"/> Check if this is a new address		6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____

## Section - II

- |  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application  |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below   |

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

Notification of label change per PR Notice 2007-4 and 2001-5. This notification is consistent with the guidance in PR Notices 2007-4, 2001-5, and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
*Certification must be submitted		If "Yes" Unit Packaging wgt.      No. per container	If "Yes" Package wgt.      No. per container	<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
		40 kg		<input type="checkbox"/> Other (laminated bag)	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container Including but not limited to 2.0 oz gel per tube		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Timothy M. Formella</b>	Title Senior Registration Manager	Telephone No. (Include Area Code) 610-491-2813
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received <b>(Stamped)</b>
2. Signature 		
3. Title Senior Registration Manager		
4. Typed Name Timothy M. Formella		5. Date April 8, 2009

# Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
70506-1	4/8/2009	070506-00001.20090408.pdf

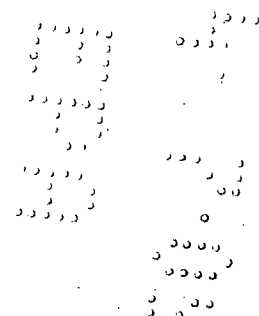
I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Timothy M. Formella  
 Signature

04/08/2009  
 Date

Timothy M. Formella  
 Name (typed)

Senior Registration Manager  
 Title





United Phosphorus, Inc.

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630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406  
(610) 491-2813 (phone)  
(610) 491-2810 (fax)

April 8, 2009

VIA: UPS

Document Processing Desk (NOTIF)  
Linda Arrington  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

**RE: Notification Regarding PR Notices 2007-4 and 2001-5**

<b>Acephate Technical</b>	<b>EPA Reg. No. 70506-3</b>
<b>Acephate 75 Insecticide</b>	<b>EPA Reg. No. 70506-1</b>
<b>Acephate 90 Insecticide</b>	<b>EPA Reg. No. 70506-2</b>
<b>Acephate 90SP Manufacturing Use Product</b>	<b>EPA Reg. No. 70506-71</b>
<b>Acephate 90 DF Insecticide</b>	<b>EPA Reg. No. 70506-76</b>

Dear Ms. Arrington:

United Phosphorus, Inc. hereby notifies the Agency of our intent to revise the labels for our registered pesticide products containing the active ingredient acephate.

These label notifications include revision of the Storage and Disposal text in order to comply with the requirements of PR Notice 2007-4 regarding Labeling Revisions Required by the Final Rule "Pesticide Management and Disposal; Standards for Pesticide Containers and Containment." In addition, the Insecticide Resistance Action Committee (IRAC) group code has been added to the first page of the labels for Acephate 75 Insecticide (EPA Reg. No. 70506-1), Acephate 90 Insecticide (EPA Reg. No. 70506-2), and Acephate 90 DF Insecticide (EPA Reg. No. 70506-76) per the Agency guidance in PR Notice 2001-5.

These changes are consistent with the notification provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46. Enclosed please find the following materials for each of the five products to support these registration notifications:

1. Completed Application for Pesticide Registration (EPA Form 8570-1)
2. A "red-lined" copy of the amended label showing the container disposal language additions
3. A clean copy version of the revised label
4. CD with the labels in electronic format (file names: 070506-00003.20090408.pdf, 070506-00001.20090408.pdf, 070506-00002.20090408.pdf, 070506-00071.20090408.pdf, and 070506-



GROUP 1 INSECTICIDE

ACEPHATE 75 WSP INSECTICIDE
(Soluble Powder Insecticide in Water-Soluble Pouches)

Table with 2 columns: ACTIVE INGREDIENT, OTHER INGREDIENTS, TOTAL and By Wt. (75%, 25%, 100%)

KEEP OUT OF REACH OF CHILDREN

CAUTION

Table with 2 columns: Symptom (If swallowed, If in eyes, If on skin or clothing, If inhaled) and First Aid instructions.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300

EPA Reg. No. 70506-1

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_

Batch/Lot # \_\_\_\_\_

United Phosphorus, Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-438-6071 • www.upi-usa.com

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

**Caution.** Harmful if swallowed. Causes eye irritation.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are butyl, nitrile and neoprene. 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, shoes plus socks, chemical resistant gloves for all mixers and loaders and for applicators using hand held application equipment.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

See engineering controls for additional requirements.

**ENGINEERING CONTROLS**

Water-soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Mixers and loaders using water-soluble packets must:

- wear the personal protective equipment required above for mixers/loaders and
- be provided, must have immediately available and must use in an emergency, such as a broken package, spill, or equipment breakdown the following PPE: coveralls, chemical-resistant footwear and a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

The use of human flaggers is prohibited.

**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. As soon as possible, wash thoroughly and change into clean clothing.

**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.

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 Eliminations System (NPDES) permitted 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.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not

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apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the 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 FOR USE AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply using low pressure handwand equipment.

Not for indoor residential use. For greenhouse use, use is limited to commercial greenhouses for use on ornamental, floral and foliage plants, and tobacco (float bed application).

For use on turf, use limited to sod farms and golf courses, except when applying to mound or spot treatment for fire ant control.

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.

### DRIFT MANAGEMENT

A variety of factors including weather conditions, (e.g. wind direction, wind speed, temperature, relative humidity) and method of application (e.g. ground, aerial, Airblast, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

Observe the following precautions to minimize drift:

- All aerial, ground and air-assisted/airblast application equipment must be properly maintained and calibrated using water as carrier. Do not apply this product as an ultralow (ULV) spray or in any carrier other than water except when specified by the Use Instructions.
- Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift and can be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Do not apply at wind speeds greater than 10 mph at the application site.
- Make applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph).
- Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage.
- For aerial applications, do not apply at heights greater than 10 feet (consistent with flight safety).
- For airblast applications, direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.
- For ground applications, do not apply at heights greater than 4 feet.

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.



**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 until 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

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT WITHIN the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses.

Do not enter or allow others to enter until sprays have dried.

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**DIRECTIONS**

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**CHEMIGATION**

**Apply to cranberries only by sprinkler irrigation systems. Do not apply by chemigation to any other crop, or this crop using any other type of irrigation system.**

**TANK MIXES**

NOTICE: Tank mixing of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of the 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.

**TABLE OF EQUIVALENTS**

**1 LB. Water Soluble Pouch**

AMOUNT OF ACEPHATE 75 WSP PER ACRE	ACRES TREATED BY A 1 LB. PACKAGE (1 LB. WATER-SOLUBLE POUCH)	ACRES TREATED BY A 5 LB. PACKAGE (5 X 1 LB. WATER-SOLUBLE POUCHES)
1/8 lb.	8.00	40.00
1/6 lb.	6.00	30.00
3 oz.	5.33	26.67
4 oz.	4.00	20.00
1/3 lb.	3.00	15.00
2/3 lb.	1.50	7.50
1 lb.	1.00	5.00
1 1/3 lbs.	0.75	3.75

**1/3 LB Water Soluble Pouch**

AMOUNT OF ACEPHATE 75 WSP PER ACRE	ACRES TREATED PER 1/3 LB. PACKAGE (1/3 LB. WATER-SOLUBLE POUCH)	ACRES TREATED BY A 1 LB. PACKAGE (3 x 1/3 LB. WATER-SOLUBLE POUCHES)
4 oz.	1.3	4.00
1/3 lb.	1	3.00
2/3 lb.	0.5	1.50
1 lb.	0.33	1.00
1 1/3 lbs.	0.25	0.75
2 2/3 lbs.	0.125	0.375
6 2/3 lbs.	0.05	0.15

**GENERAL INFORMATION**

ACEPHATE 75 WSP is an insecticide for control of pests on selected agricultural crops and in certain non-crop areas. The active ingredient in ACEPHATE 75 WSP is acephate, a water soluble insecticide readily absorbed by plant roots and foliage to give systemic control of feeding insects. Insect pests are generally controlled more effectively by ACEPHATE 75 WSP through ingestion than by contact. Application of ACEPHATE 75 WSP to maintain control should be repeated only as directed.

**FAILURE TO FOLLOW THE DIRECTION FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.**

**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 the product's nature, settling is likely to occur.

**HANDLING**

The enclosed pouches are water-soluble. **Do not** allow pouches to become wet prior to adding to the spray tank. **Do not** handle pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. **Do not** remove water-soluble pouches from overwrap except to add directly to the spray tank.

**PREPARATION OF SPRAY SOLUTION**

To prepare spray solution, drop the unopened packet(s) of ACEPHATE 75 WSP into a spray tank containing at least one-half of the total quantity of water required. Add remaining water with the agitator running until the spray volume is reached. Do not add any liquid fertilizers, micronutrients or adjuvants to the spray solution until the ACEPHATE 75 WSP has completely dissolved. ACEPHATE 75 WSP should completely dissolve in approximately five minutes. Dissolution rate may be slowed by cold water, lack of agitation, or water containing high concentrations of boron or sulfur.

**BEANS AND LIMA BEANS -- Dry and Succulent Forms**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Fleahoppers Grasshoppers	$\frac{1}{3}$ to $\frac{2}{3}$ lb.	Apply in water at a minimum of 2 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground.	1 (lima beans -- succulent form)
Aphids (excluding Black bean Aphid) Bean Leaf Beetle Bean Leafroller Cabbage Looper Cutworms Green Cloverworm Leafhoppers Mexican Bean Beetle Plant Bugs (Lygus) Soybean Looper Thrips Whitefly (Except Sweetpotato or Silverleaf Whitefly)	$\frac{2}{3}$ to $1\frac{1}{3}$ lbs.	Apply when eggs or insects first appear. Repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A but do not exceed maximum application rate of $2\frac{2}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle. For severe insect infestations, use higher rates.	14 (snap-beans-- succulent or dry beans)
Armyworms (excluding Beet Armyworm) Corn Earworm European Corn Borer	1 to $1\frac{1}{3}$ lbs.		
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>■ Do not apply more than <math>2\frac{2}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> <li>■ Do not feed treated vines to livestock.</li> </ul>			

**CELERY**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST

Green Peach Aphid	$\frac{2}{3}$ to $1\frac{1}{3}$ lbs.	Apply in water at 50 to 100 gals. spray per acre by ground or in a minimum of 5 gals per acre by air.	21
Fall Armyworms Cabbage Looper	$1\frac{1}{3}$ lbs.	Apply when eggs or insects first appear. Repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A and at 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A but do not exceed maximum application rate of $2\frac{2}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.	
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>■ All celery must be trimmed (tops removed) before shipment for use.</li> <li>■ Do not use trimmed (tops) for food or feed.</li> <li>■ Do not apply more than <math>2\frac{2}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> </ul>			

**COLE CROPS**  
**Brussels Sprouts & Cauliflower**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Green Peach Aphid	$\frac{2}{3}$ to $1\frac{1}{3}$ lbs.	Apply in water at 25 to 150 gals. spray per acre by ground or a minimum of 5 gals. spray per acre by air.  Use the higher rate when heavy infestations of aphids are present.  Begin application when insects or eggs first appear.	14
Cabbage Looper Diamondback Moth Larvae Imported Cabbage Worm	$1\frac{1}{3}$ lbs.	Repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A but do not exceed maximum application rate of $2\frac{2}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.  Diamondback Moth Larvae -- This insect has demonstrated an ability to develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current recommended control practices for this insect.	
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>■ Do not apply more than <math>2\frac{2}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> <li>■ Do not feed trimmings to livestock or allow animals to graze in treated areas</li> </ul>			

**COTTON**

**GENERAL USE PRECAUTIONS:**

Do not feed gin trash or treated forage to livestock.

Do not allow animals to graze on treated areas.

Do not apply more than 5 1/3 lbs. of ACEPHATE 75 WSP per acre per crop cycle. This limitation includes all methods of application; i.e. in-furrow, and foliar.

When applied by air, do not apply more than 1 lb ai/A in California and Arizona. Do not apply more than 0.75 lb ai for all other areas of the US.

**COTTON IN-FURROW APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS
Aphids* Thrips Black (Greasy) Cutworm (Except CA) * Excluding Cotton Aphids in AZ & CA	2/3 to 1 1/3 lbs.  NOTE: for the Blacklands of Texas use 1 1/3 lbs. per acre ACEPHATE 75 WSP	Apply ACEPHATE 75 WSP in 3 to 5 gals. of water per acre as an in-furrow spray. ACEPHATE 75 WSP can be mixed with fungicides that are sprayed in-furrow for disease control.  Flat-fan nozzles used for in-furrow application should be set so that the fanned spray pattern is aligned with the row to insure good spray deposition in the seed furrow. Cone type nozzles may not provide a spray pattern that insures maximum spray deposition in the seed furrow, and should be avoided. Spray systems that employ metal or plastic tubing for delivery of spray solution into the seed furrow should have tubing securely fastened to the furrow opener and should be checked frequently to insure that the tubing is properly positioned to deposit spray solution into the seed furrow.

**FOLIAR APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Thrips	3 to 4 oz.	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA and AZ) or 10 to 25 gals. spray per acre by ground.	21
Plant Bugs (Lygus)	1/3 to 1 1/3 lbs. 1 to 1 1/3 lbs. (CA and AZ)		
Fleahopper	1/3 lb.	By Air: Do not apply more than 1 1/3 lb/A to cotton grown in California and Arizona. Do not apply more than 1 lb/A for all other areas of the United States.	
Cotton Aphid (excluding AZ and CA)	2/3 to 1 1/3 lbs.		
Whitefly (excluding Sweetpotato/Silverleaf Whitefly)	2/3 to 1 1/3 lbs.	Apply when eggs or insects first appear.  Repeat at 3 day intervals for application rates up to 2/3 lb./A and 7 day intervals for application rates greater than 2/3 lb./A. Do not exceed maximum application rate of 5 1/3 lbs. of ACEPHATE 75 WSP per acre per crop cycle.	
Armyworms (excluding Beet Armyworm) Cabbage Looper	1 1/3 lbs.		

<p>Bollworm Tobacco Budworm Adults Larvae  Eggs (DEADHATCH<sup>0</sup>)</p>	<p><math>\frac{2}{3}</math> to <math>1\frac{1}{3}</math> lbs.  (East of Rockies) <math>1\frac{1}{3}</math> lbs. (CA &amp; AZ)</p>	<p>Cotton Aphid -- This insect may develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current control recommendations.</p> <p>Armyworms &amp; Cabbage Looper -- Apply when eggs appear and repeat at 7 day spray intervals but, do not exceed maximum application rate of 5 <math>\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</p>	
<p>Stinkbugs</p>	<p>1 lb.</p>		
<p>Pink Bollworm (AZ &amp; CA)</p>	<p><math>1\frac{1}{3}</math> lbs.</p>	<p>Bollworm and Tobacco Budworm -- Early season light infestation use <math>\frac{2}{3}</math> lb. per acre. Mid and late season moderate to severe infestations use 1 to <math>1\frac{1}{3}</math> lbs. per acre. Apply when eggs appear and repeat at 7 day spray interval but, do not exceed maximum application rate of 5 <math>\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</p> <p>Adult/Larvae: Moths are controlled when they come in direct contact with spray particles during application. Moth kill is most likely to occur when application is made late in the evenings during periods of peak activity.</p> <p>DEADHATCH<sup>0</sup>: Control of emerging larvae by consumption of treated egg casings.</p> <p>Pink Bollworm -- Apply when insects appear and repeat at a 7 day spray interval but, do not exceed maximum application rate of 5 <math>\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</p>	
<p>Cutworms</p>	<p>1 lb.</p>	<p>Cutworms -- Ground application is recommended.</p> <p>Aerial applications are less effective, but may be used. For Air. Do not apply more than 1 lb/A.</p> <p>Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of plant.</p> <p>Apply when insects first appear or damage is first noted and repeat at 3 day intervals for application rates up to <math>\frac{2}{3}</math> lb./A and 7 day intervals for application rates greater than <math>\frac{2}{3}</math> lb./A. Do not exceed maximum application rate of 5 <math>\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</p>	<p>21</p>

**COTTON TANK MIXES**

**GENERAL USE PRECAUTIONS:**

Do not feed gin trash or treated forage to livestock.  
Do not allow livestock to graze on treated areas.  
Do not apply more than 5  $\frac{1}{3}$  lbs. of ACEPHATE 75 WSP per acre per crop cycle. This limitation includes all methods of application; i.e. in-furrow, and foliar.

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions which appear on all product labels. The most restrictive labeling applies when using a tank mix.

**RESISTANCE-MANAGEMENT**

Cotton pest control programs, especially those for control of Sweetpotato/Silverleaf Whitefly populations, should employ a

properly designed resistance-management strategy. Such resistance-management strategies include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

INSECTS	AMOUNT ACEPHATE 75 WSP + LORSBAN 4E PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Armyworms (excluding Beet Armyworm) Bollworms Cabbage Looper Cotton Aphid Cutworms Fleahopper Grasshoppers Pink Bollworm Plant Bugs (Lygus, Mirids) Salt Marsh Caterpillar Thrips Tobacco Budworm Whitefly (excluding Sweetpotato/Silverleaf Whitefly)	$\frac{1}{3}$ to $1\frac{1}{3}$ lbs. ACEPHATE 75 WSP + 1 to 2 pts. LORSBAN 4E	<p>Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions which appear on all product labels. The most restrictive labeling applies when using a tank mix.</p> <p>Cutworms: Use 1 lb. per acre of ACEPHATE 75 WSP.</p> <p>By Ground: Ground application is recommended. Apply in 10 to 25 gals. of spray per acre. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of plant.</p> <p>By Air: Aerial applications are less effective, but may be used. Apply in 3 to 10 gals. spray per acre (minimum 5 gals spray per acre in CA). Do not apply more than <math>1\frac{1}{3}</math> lb/A of Acephate 75 WSP to cotton grown in California and Arizona. Do not apply more than 1 lb/A for all other areas of the United States.</p> <p>Apply when insects first appear or when damage is first noted and repeat at 3 day intervals for application rates up to <math>\frac{2}{3}</math> lb./A of ACEPHATE 75 WSP and 7 day intervals for application rates greater than <math>\frac{2}{3}</math> lb./A of Acephate 75 WSP but, do not exceed maximum application rate of 5 <math>\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</p>	21

INSECTS	AMOUNT ACEPHATE 75 WSP + DANITOL® 2.4 EC PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Sweetpotato Whitefly (Silverleaf Whitefly)	2/3 lb. ACEPHATE 75 WSP + 10 2/3 to 16 fl. oz. DANITOL® 2.4 EC	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA) or 10 to 25 gals. spray per acre by ground.  By Air: Do not apply more than 2/3 lb/A of ACEPHATE 75 WSP.  Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions which appear on all product labels. The most restrictive labeling applies when using a tank mix. Apply when insects first appear or when damage is first noted and repeat at 3 day intervals Do not exceed maximum application rate of 5 1/3 lbs. of ACEPHATE 75 WSP per acre per crop cycle.	21

**COTTON TANK MIXES WITH PYRETHROIDS**

**GENERAL USE PRECAUTIONS:**

Do not feed gin trash or treated forage to livestock.

Do not allow livestock to graze on treated areas.

Do not apply more than 5 1/4 lbs. of ACEPHATE 75 WSP per acre per crop cycle. This limitation includes all methods of application; i.e. in-furrow, and foliar.

Synthetic Pyrethroids should be used within the guidelines of state and/or regional resistance management programs and recommendations.

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions which appear on all product labels. The most restrictive labeling applies when using a tank mix.

**RESISTANCE-MANAGEMENT**

Cotton pest control programs, especially those for control of Sweetpotato/Silverleaf Whitefly populations, should employ a properly designed resistance-management strategy. Such resistance-management strategies include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

INSECTS	ACEPHATE 75 WSP AND TANK MIX PARTNER	AMOUNT OF ACEPHATE 75 WSP + TANK MIX PARTNER PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Aphids Bollworm Cabbage Looper Cotton Leaf Perforator Cutworms* Fall Armyworm Fleahoppers	ACEPHATE 75 WSP + one of the following	2/3 to 1 1/3 lbs. per acre + one of the following	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals. per acre in CA) or 10 to 25 gals. spray per acre by ground.	21
	AMMO® 2.5 EC*	Refer to the AMMO® 2.5 EC*approved label for use instructions.	Begin applications when eggs or insects appear and	



INSECTS	ACEPHATE 75 WSP AND TANK MIX PARTNER	AMOUNT OF ACEPHATE 75 WSP + TANK MIX PARTNER PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Pink Bollworm (AZ & CA) Plantbugs Stinkbugs* Sweetpotato/Silverleaf Whitefly Tobacco Thrips Tobacco Budworm Whitefly	ASANA® XL*	Refer to the ASANA® XL approved label for use instructions.	repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A of ACEPHATE 75 WSP and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A of ACEPHATE 75 WSP but, do not exceed maximum application rate of 5 $\frac{1}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.  * Stinkbugs: Use 1 lb. per acre of ACEPHATE 75 WSP.  * Cutworms: Use 1 lb. per acre of ACEPHATE 75 WSP  <u>By Ground:</u> Ground application is recommended. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of the plant.  <u>By Air:</u> Aerial applications are less effective, but may be used. Apply when eggs or insects first appear or damage is first noted. Do not apply more than 1 $\frac{1}{3}$ lb/A of Acephate 75 WSP to cotton grown in California and Arizona. Do not apply more than 1 lb/A of Acephate 75 WSP for all other areas of the United States.  Repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A of Acephate 75 WSP and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A of Acephate 75 WSP but do not exceed maximum application rate of 5 $\frac{1}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.	
	BAYTHROID® 2 EC	Refer to the BAYTHROID® 2 EC approved label for use instructions.		
	CAPTURE® 2 EC	Refer to the CAPTURE® 2 EC approved label for use instructions.		
	KARATE® 1 EC (Except CA)	Refer to the KARATE® 1 EC approved label for use instructions.		
	SCOUT® X-TRA (Except CA)	Refer to the SCOUT® X-TRA approved label for use instructions.		

**CRANBERRIES**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Cranberry Blossom Worm Gypsy Moth False Armyworm Fireworms Spanworms Sparganothis	1 1/3 lbs.	Apply in water by air, ground or with sprinklers. Use a minimum of 2. gals. spray per acre by air. Use sufficient water to give thorough coverage with ground or sprinkler equipment.  Limit to one application per growing season. Do not apply more than 1 1/3 lbs./A (1 lb. a.i./A) per season.  Do not apply from start of bloom until all berries set.	90

**SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES:** This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

**Solid Set Systems:** Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute injection as a separate application not associated with a regular irrigation. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water. To insure the lines are flushed and free of remaining pesticide, a dye indicator may be injected into the lines to mark the end of the application period. See NOTE.

**CRANBERRIES (Continued)**

Center Pivot Systems: Inject the specified dosage per acre continuously for one complete revolution of the system. See NOTE.

NOTE: Constant agitation must be maintained in the chemical supply tank during the entire period of insecticide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

**HEAD LETTUCE -- Crisphead type only**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Aster Leafhopper Green Peach Aphid	$2\frac{2}{3}$ to $1\frac{1}{3}$ lbs.	Apply in water at 5 to 10 gals. of spray per acre by air or 10 to 60 gals. of spray per acre (broadcast) by ground.  Repeat at 3 day intervals for application rates up to $2\frac{2}{3}$ lb./A and 7 day intervals for application rates greater than $2\frac{2}{3}$ lb./A but do not exceed maximum application rate of $2\frac{2}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.	21 Spring, summer and early fall crops in all areas and winter crops in Florida and Texas, late fall crops in Arizona, winter crops in Arizona and California
Cabbage Looper Armyworms (excluding Beet Armyworm)	$1\frac{1}{3}$ lbs.		
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply after first head begins to form to crops which germinate from mid-September through November in desert areas of AZ and CA.</li> <li>Do not feed trimmings to livestock or allow animals to graze on treated areas.</li> <li>Do not apply more than <math>2\frac{2}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> </ul>			

**MINT**  
Spearmint and Peppermint

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Alfalfa Looper Aphids Cutworms	$1\frac{1}{3}$ lbs.	Apply in water at 5 to 10 gals. per acre by air or 20 to 100 gals. spray per acre by ground.  Apply when eggs or insects first appear.  Make one repeat application at no less than a 7 day interval if necessary, to maintain control, but do not exceed maximum application rate of $2\frac{2}{3}$ lbs. ACEPHATE 75 WSP per acre per crop cycle.	14
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>Do not use spent mint hay for feed for dairy animals.</li> <li>Do not graze treated areas.</li> <li>Do not apply more than <math>2\frac{2}{3}</math> lbs. of ACEPHATE 75 WSP per acre per season.</li> </ul>			

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**NON-BEARING CITRUS**


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**GENERAL USE PRECAUTIONS:**

Do not graze treated areas.

DO NOT HARVEST citrus for one year after treatment

INSECTS	AMOUNT OF ACEPHATE 75 WSP PER ACRE	TIME OF APPLICATION	USE INSTRUCTIONS
Aphids Grasshoppers Katydid Mealybugs Orangedogs Plant Bugs Thrips Whiteflies (except Sweetpotato/Silverleaf)	$\frac{2}{3}$ lb.	Apply as needed for control of existing populations  Repeat at 3 day intervals.	Apply ACEPHATE 75 WSP in 100 to 200 gals. of water per acre.  Spray individual juvenile or non-bearing trees for coverage with total application not to exceed specified rate in lbs. per acre. Length of residual activity will depend upon spray coverage and the amount of moisture following application.
Citrus Blackfly	$\frac{2}{3}$ to 1 lb.	Apply when eggs or insects first appear. Repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A	
Ants (Imported Fire Ants and Harvester Ants only)	Mound Treatment Method: Mix 1 oz. in 5 gals. of water (1-1 lb. pouch in 80 gals. of water)	Apply as needed for control of existing populations	Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.

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**NON-CROP AREAS**


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**FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS**

INSECTS	AMOUNT OF ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS
Grasshoppers	$\frac{1}{3}$ lb.	For early to mid-season application.  Apply in water at 1 to 5 gals. spray per acre by air (minimum 5 gals per acre in CA) or 10 to 25 gals. spray per acre by ground.  Use the higher volumes when spraying dense foliage.  An approved drift retardant may be added to aid in controlling drift and reducing evaporation of aerial sprays.
<b>USE PRECAUTIONS:</b>		
<ul style="list-style-type: none"> <li>Do not graze or feed vegetation cut from treated areas.</li> </ul>		

**WASTELAND (NON-FOOD/NON-FEED PRODUCING AREAS)**

AMOUNT ACEPHATE 75

INSECTS	WSP PER ACRE	USE INSTRUCTIONS
Black Grass Bugs Grasshoppers Mormon Crickets	$\frac{1}{8}$ to $\frac{1}{6}$ lb.	Apply in water at $\frac{1}{2}$ gal. Spray per acre by air (minimum of 5 gals per acre in CA) or 10 to 20 gals. Spray per acre by ground.  Use higher volumes when spraying dense foliage.  An approved drift retardant may be added to aid in controlling drift and reducing evaporation of aerial sprays.
<b>USE PRECAUTIONS:</b>		
<ul style="list-style-type: none"> <li>Do not make more than one application per season.</li> <li>Do not graze or feed vegetation cut from treated areas.</li> </ul>		

**PEANUTS**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Grasshoppers	$\frac{1}{3}$ to $\frac{2}{3}$ lb.	Apply in water at 10 to 50 gals. spray per acre by ground or in 5 to 10 gals. spray per acre by air.  Begin applications when eggs or insects first appear and repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A but do not exceed maximum application rate of $5\frac{1}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.	14 (of digging)
Thrips	$\frac{1}{2}$ to 1 lb.	ACEPHATE 75 WSP can be tank mixed with at-cracking and early post emergence peanut herbicides, provided those products do not prohibit tank mixes, provided the most restrictive of label limitations and precautions are observed, and provided no label dosage rates are exceeded.  To determine physical compatibility, pour the recommended proportions of each chemical with the same proportion of water as will be present in the chemical supply tank into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is considered physically compatible. When mixing wettable powder or dry flowable formulations, add and disperse these first, then add liquid pesticides.	
Corn Earworm Fall Armyworm Leafhoppers Loopers Velvetbean Caterpillar	1 to $1\frac{1}{3}$ lbs.	Combinations should be kept agitated and should be applied immediately. Do not allow combinations to set for prolonged periods in the chemical supply tank.	
<b>USE PRECAUTIONS:</b>			
<ul style="list-style-type: none"> <li>Do not apply more than <math>5\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> <li>Do not feed treated forage or hay to livestock or allow animals to graze treated areas.</li> </ul>			

**PEPPERS**

**BELL PEPPERS**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Grasshoppers	$\frac{1}{3}$ to $\frac{2}{3}$ lb.	Apply in water at a minimum of 3 gals. spray per acre (minimum 5 gals. spray per acre in CA) by air or 25 to 150 gals. spray per acre by ground.  Apply when eggs or insects appear.  Repeat at 3 day intervals for application rates up to $\frac{2}{3}$ lb./A and 7 day intervals for application rates greater than $\frac{2}{3}$ lb./A until insects have been reduced below economic numbers but do not exceed maximum application rate of $2\frac{2}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.	7
Cabbage Looper Green Peach Aphid Tobacco Hornworm	$\frac{2}{3}$ to $1\frac{1}{3}$ lbs.		
European Corn Borer	1 to $1\frac{1}{3}$ lbs.		
<b>USE PRECAUTIONS:</b>			
<ul style="list-style-type: none"> <li>Do not apply more than <math>2\frac{2}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> </ul>			

**NON-BELL PEPPERS**

For Use in Midwestern, Eastern States and Puerto Rico Only.

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Aphids	$\frac{2}{3}$ lb.	Apply in water at 40 to 150 gals. spray per acre with ground equipment.  Repeat at 3 day intervals Do not exceed maximum application rate of $1\frac{1}{3}$ lbs. of ACEPHATE 75 WSP per acre per crop cycle.	7
<b>USE PRECAUTIONS:</b>			
<ul style="list-style-type: none"> <li>Do not apply more than <math>1\frac{1}{3}</math> lbs. of ACEPHATE 75 WSP per acre per crop cycle.</li> </ul>			

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**TOBACCO**


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**GENERAL USE PRECAUTIONS:**

Do not apply more than 5<sup>1</sup>/<sub>3</sub> lbs. of ACEPHATE 75 WSP per acre per crop cycle.

**TOBACCO FLOATBED APPLICATIONS**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS
Cutworms Flea Beetle Green Peach Aphid Tobacco Aphid	1 lb.	Mix 1 pouch (1 lb.) in 96 gal. of water. Apply 3 gal. to foliage per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage.  NOTE: Floatbed water should be disposed of in the transplant field, through the transplant water or through foliar spray. Repeat at 7 day intervals but do not exceed maximum application rate of 5 1/3 lbs of ACEPHATE 75 WSP per acre per crop cycle. This applies to all methods of application.

**TOBACCO PLANT BED APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS
Flea Beetle Green Peach Aphid Tobacco Aphid Cutworm	1 lb.	Mix 1 pouch (1 lb.) in 32 gal. of water. Apply 1 gal. to foliage per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage. Repeat at 7 day intervals but do not exceed maximum application rate of 5 1/3 lbs of ACEPHATE 75 WSP per acre per crop cycle. This applies to all methods of application.

**TOBACCO TRANSPLANT WATER APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS
Flea Beetle Green Peach Aphid Tobacco Aphid Cutworms Tobacco Thrips	1 lb.	Make transplant-water applications using mechanical transplant equipment only. Using such equipment, the insecticide/water mixture is mechanically applied directly into the soil along with the transplanted plants. Provides control of early season flea beetles, green peach aphids, tobacco aphids, and cutworms for approximately 3 to 4 weeks after transplanting. For later season control of these insects, apply a foliar spray of ACEPHATE 75 WSP.  Apply in a minimum of 100 gals. of transplant water per acre.

**USE PRECAUTIONS:**

- Use of more than 1 lb. of ACEPHATE 75 WSP per acre as a transplant-water application may cause some phytotoxicity.

**TOBACCO FOLIAR APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Grasshoppers	1/3 to 2/3 lb.	Apply in 10 to 50 gals. water per acre with ground equipment or a minimum of 3 gals. per acre by air.	3
Green Peach Aphid Flea Beetle Hornworm Tobacco Thrips	2/3 lb.	Repeat at 3 day intervals for application rates up to 2/3 lb./A but do not exceed maximum application rate of 5 1/3 lbs. of ACEPHATE 75 WSP per acre per crop cycle. This applies to all methods of application.	

Tobacco Aphid Vegetable Weevils Stinkbugs	$\frac{2}{3}$ to 1 lb.	
Budworm Cabbage Looper Cutworm	1 lb.	

**TOBACCO SOIL APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 WSP PER ACRE	USE INSTRUCTIONS	DAYS TO HARVEST
Ants  (Imported Fire Ants and Harvester Ants only)	Drench Method: Mix 1 oz. in 5 gals. of water. (1-1lb. pouch in 80 gallons of water)  Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	For best results apply the material in the early morning or late afternoon when the ants are most active.  Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.	3
<p><b>USE PRECAUTIONS:</b></p> <ul style="list-style-type: none"> <li>• Treat a maximum of 13 mounds per acre.</li> <li>• Do not treat more than once per season.</li> </ul>			



**COMMERCIAL TURFGRASS: SOD FARMS AND GOLF COURSES ONLY**

Do not allow livestock to graze treated areas. Do not feed treated grass to livestock. Use is limited to sod farms and golf courses, except when applying by mound or spot treatment for fire ant control.

PLANTS	INSECTS	SQUARE FEET TREATED PER 1 LB. POUCH (lb. per acre)	TIME OF APPLICATION	USE INSTRUCTIONS
Turfgrass (Golf Courses and Sod Farms Only)	Fall Armyworm Yellow Striped Armyworm Southern Armyworm	13,400 To 32,700 (3 1/4 to 1 1/3 lbs. per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ACEPHATE 75 WSP per 1,000 sq. ft. Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.
	Cutworms	Golf courses: 8172 To 13,400 (5 1/3 to 3 1/4 lbs. per acre)  Sod Farms: 10,890 to 13,400 (4 to 3 1/4 lbs. per acre)		

**USE PRECAUTIONS:**

- Do not apply more than 4 lbs./A to Sod Farms and 5 1/3 lbs./A to Golf Courses.
- Aerial applications to turf are prohibited.
- Do not apply at less than 7-day intervals.
- Allow at least 3 days between last application and harvesting of sod.

**COMMERCIAL TURFGRASS INCLUDING GOLF COURSES AND SOD FARMS ONLY (Continued)**

PLANTS	INSECTS	SQUARE FEET TREATED PER 1 LB. POUCH (lb. per acre)	TIME OF APPLICATION	USE INSTRUCTIONS
Turfgrass (Golf Courses and Sod Farms Only)	Chinch bugs	Golf courses: 8172 To 13,400 (5 1/3 to 3 1/4 lbs. per acre)  Sod Farms: 10,890 to 13,400 (4 to 3 1/4 lbs. per acre)	Apply as needed for adult population knockdown (not less than 7 to 14 days).	Apply the specified amount of ACEPHATE 75 WSP per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.
	Sod Webworm (Crambus spp.)	16,300 to 32,700 (2 2/3 to 1 1/3 lbs. per acre)	As sod webworms begin to appear. Use the higher amount when quick knockdown is needed or with heavy infestations. Repeat application may be necessary. Do not repeat at more than 1 week intervals.	
	Leafhopper	16,300 (2 2/3 lbs. per acre)	As the leafhoppers begin to appear. A repeat application at 1 week intervals may be necessary.	

Mole Crickets (Except CA) Spittlebug (Except CA)	Golf courses: 8,375 to 16,300 (5.2 to 2.66 lbs. per acre)  Sod Farms 10,890 to 16,300 (4 to 2.66 lbs per acre)	As mole crickets begin to appear. For knockdown of existing populations, more than one application may be required throughout the growing season. For heavy infestations, use the higher dosage rate.	Apply the specified amount of ACEPHATE 75 WSP per 1,000 sq. ft. Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.  Apply during late afternoon or early evening hours and after an irrigation. Do not irrigate after application.
The use of a lemon fragrance substance in the spray mix may enhance control by acting as a flushing agent and thus provide increased mole cricket contact with the acephate. The following lemon-scented products have been shown to be effective flushing agents: Lemon Joy, Lemon Palmolive, and Mighty Products Manufacture-Base pure lemon fragrance. The use rate for these lemon-scented products is 2 teaspoons per gallon of water for small total mix volume or 6 fl. oz per 50 gals. of water for large mix volume.			
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>• Do not apply more than 4 lbs./A to Sod Farms and 5 1/3 lbs./A to Golf Courses.</li> <li>• Aerial applications to turf are prohibited.</li> <li>• Do not apply at less than 7-day intervals.</li> <li>• Allow at least 3 days between last application and harvesting of sod.</li> </ul>			

**COMMERCIAL TURFGRASS INCLUDING GOLF COURSES AND SOD FARMS ONLY (Continued)**

PLANTS	INSECTS	SQUARE FEET TREATED PER 1 LB. POUCH (lb. per acre)	TIME OF APPLICATION	USE INSTRUCTIONS
Turfgrass (Golf Courses and Sod Farms Only)	Greenbug (Schizaphis graminum) Grasshoppers	32,700 (1 1/3 lbs. per acre)	Apply when insects or their damage first appears. Repeat as necessary. Application is not to be repeated at more than 1 week intervals.	Apply the specified amount of ACEPHATE 75 WSP. Use 4 gals. of water per 1,000 sq. ft. to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.
	Black Turfgrass Ataenius (Except CA)	Golf courses: 8,375 to 10,600 (5.2 to 4.1 lbs. per acre)  Sod farms: 10,890 (4 lbs. per acre)	Apply when insects or their damage first appear.	Apply the specified amount of ACEPHATE 75 WSP per 1,000 sq. ft. Use a minimum of 5 gal. water per 1,000 sq. ft. Irrigate lightly after application (not more than 1/2 inch). Use the higher rate for severe infestations.
Dichondra (Golf Courses and Sod Farms Only)	Cutworm Flea Beetle Southern Armyworm Yellow Striped Armyworm	Golf courses: 8,375 to 16,300 (5.2 to 2.66 lbs. per acre)  Sod farms: 10,890 to 16,300 (4 to 2.66 lbs per acre)	As the insects appear. Repeat at 2 week intervals as necessary.	Apply the specified amount of ACEPHATE 75 WSP per 1,000 sq. ft. Use a minimum of 15 gals. water per 1,000 sq. ft. to obtain good coverage.
<p><b>USE PRECAUTIONS:</b></p> <ul style="list-style-type: none"> <li>• Do not apply more than 4 lbs./A to Sod Farms and 5 1/3 lbs./A to Golf Courses.</li> <li>• Aerial applications to turf are prohibited.</li> <li>• Do not apply at less than 7-day intervals.</li> <li>• Allow at least 3 days between last application and harvesting of sod.</li> </ul>				

**COMMERCIAL MOUND TREATMENT OF FIRE ANTS IN TURFGRASS**

PLANTS	INSECTS	APPLICATION RATE	TIME OF APPLICATION	USE INSTRUCTIONS
Turfgrass and Non-Crop Areas (field borders, fencerows, roadsides, ditchbanks, borrow pits)	Imported Fire Ants	Mound Treatment — Drench Method: Mix 1 pouch (1/3 lb.) in 20 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	For best results apply the material in the early morning or late afternoon when the ants are most active.  Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.	Apply the specified amount of ACEPHATE 75 WSP as directed. Grass in treated area may be injured. Do not treat mound more than once per season.
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>• Do not apply more than 4 lbs./A to Sod Farms and 5 1/3 lbs./A to Golf Courses.</li> <li>• Do not allow livestock to graze treated areas.</li> <li>• Do not feed treated grass to livestock.</li> </ul>				

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SPECIALTY USES

CONTAINER GROWN NURSERY STOCK

PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Container Grown Nursery Stock (Arborvitae Azalea Camellia Rhododendron Roses Viburnum Yew)	Black Vine Weevil Strawberry Root Weevil	1 lb.	Application should be made by mid-September for greenhouse stock and by mid-October for outdoor stock. Consult your local county extension agent for information on the identification and control of root weevils on ornamentals.	Apply the specified amount ACEPHATE 75 WSP Spray per 100 gals. of solution so as to thoroughly drench the root system.
	Ants (excluding fire, harvester, carpenter and pharaoh ants)	1 lb.	Apply as needed to control the pest.	Do not apply more than 1 <sup>1</sup> / <sub>3</sub> lbs./A per 100 gals. of water.

**ORNAMENTAL TREES AND SHRUBS**

PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Trees and Shrubs (except Flowering Crabapple and Douglas Fir, see below)	Aphids Bagworms Birch Leafminer Tent Caterpillar* Lace Bugs Leafrollers	$\frac{1}{3}$ lb.	As the insects begin to appear.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae. Unless a longer interval is specified, apply at 3 day intervals for application rates up to and including 0.5 lb./A and 7 days for application rates greater than 0.5 lb/A.  <u>* Mist blower application:</u> Adjust rates to $1\frac{1}{3}$ lbs. per 100 gals. water for Gypsy Moth control and 1 lb. per 100 gals. water for Tent Caterpillar control.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae* Webworms	$\frac{2}{3}$ lb.	As the insects begin to appear.	
	Scales (Crawlers)	$\frac{2}{3}$ lb.	As crawlers begin to appear. Repeat applications, at a 2 week or more interval. may be necessary where there is continuous crawler production.	
<p><b>USE PRECAUTIONS:</b></p> <ul style="list-style-type: none"> <li>• UPI does not recommend application to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum.</li> <li>• Nursery crops. Before treating large plantings, spray only a few plants and observe two weeks for phytotoxicity.</li> <li>• Do not apply more than <math>1\frac{1}{3}</math> lbs./A per 100 gals. of water.</li> </ul>				

ORNAMENTAL TREES AND SHRUBS (Continued)

PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Trees and Shrubs (except Flowering Crabapple and Douglas Fir, see below)	Ponderosa Pine Needle Miner	2/3 lb.	Time of application is important. Consult your Farm advisor or County Extension Agent.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer
	Grasshoppers	2/3 lb.	As the grasshoppers begin to appear.	
	California Oakworm Cankeworms (Spring and Fall)	1/3 to 2/3 lb.	As the insects begin to appear. Use the higher amount when the larger larvae are present.	
	Nantucket Pine Tip Moth Larvae	1 lb.	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications will be required for subsequent generations.	
	Root Weevil Adults	1 lb.	Apply when first feeding damage occurs. Repeat applications at four week intervals until the first heavy frost may be necessary for complete foliage protection.	
	Box Elder Bugs Sawflies Budworms Leafhoppers	1 lb.	As the insects begin to appear.	
	Japanese Beetle	1 1/3 lbs.	As the Japanese Beetles begin to appear. Repeat applications, at 2 week intervals, may be necessary.	
	Elm Leaf Beetle (larvae)	1 1/3 lbs.	As the larvae begin to appear. ACEPHATE 75 WSP will not prevent Elm Leaf Beetle eggs from hatching.	
<p><b>USE PRECAUTIONS:</b></p> <ul style="list-style-type: none"> <li>• UPI does not recommend application to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum.</li> <li>• Nursery crops. Before treating large plantings, spray only a few plants and observe two weeks for phytotoxicity.</li> <li>• Do not apply more than 1 1/3 lbs./A per 100 gals. of water.</li> </ul>				

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 ORNAMENTAL TREES AND SHRUBS (Continued)
 

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PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Douglas Fir Christmas Trees	Douglas Fir Needle Midge	2/3 lb.	Application should be made no more than 2 weeks prior to bud burst. For additional pest management information, consult your county extension service.	Apply the specified amount of ACEPHATE 75 WSP in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.
Flowering Crabapples	Aphids Tent Caterpillars Leafrollers	1/3 lb.	As the insects begin to appear.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer.
<b>USE PRECAUTIONS:</b> <ul style="list-style-type: none"> <li>• Do not apply more often than 3 times in a growing season at a 4 week interval.</li> <li>• Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hops, Ichonoski, Malus floribunda, Pink Perfection, Red Wine and Snow Cloud.</li> <li>• Do not apply more than 1 1/3 lbs./A per 100 gals. of water</li> </ul>				



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**MOUND TREATMENT OF FIRE ANTS IN TURFGRASS**


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Do not allow livestock to graze treated areas. Do not feed treated grass to livestock.

PLANTS	INSECTS	APPLICATION RATE	TIME OF APPLICATION	USE INSTRUCTIONS
Turfgrass and Non-Crop Areas	Imported Fire Ants	Mound Treatment — Drench Method: Mix 1/3 lb. in 20 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	For best results apply the material in the early morning or late afternoon when the ants are most active.  Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.	Apply the specified amount of ACEPHATE 75 WSP as directed. Grass in treated area may be injured. Do not treat mound more than once per season.
USE PRECAUTIONS:				
<ul style="list-style-type: none"> <li>Do not apply more than 4 lbs./A to Sod Farms and 5 1/3 lbs./A to Golf Courses.</li> </ul>				

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**OUTDOOR AND PERIMETER SPRAY**  
 Excluding residential turf
 

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LOCATION	INSECTS	AMOUNT ACEPHATE WSP	TIME OF APPLICATION	USE INSTRUCTIONS
Outdoor and perimeter area	Wasps	1/2 lb./ 3.3 gals. (1 packet in 3.3 gals. water)	Treat early or late in the day as wasps are generally less active during these times.	Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.
	Ants(Excluding fire, harvester, carpenter, and pharaoh ants) Crickets Cockroaches Earwigs Pillbugs	1/2 lb./ 3.3 gals. (1 packet in 3.3 gals. water)	As the insects appear.	Apply to a band of soil 6 to 10 feet adjacent to the structure and 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.
The use of low-pressure handwand equipment for perimeter or wasp treatments is prohibited.				

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**OUTDOOR FLORAL CROPS AND GROUND COVERS**


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PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE PER 100 GALS. (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Chrysanthemums Daisies Dahlias Easter Lily Gladioli Gyposophila Pachysandra Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	2/3 lbs.	As insects begin to appear. Repeat applications may be necessary.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.  Repeat at 3 day intervals for application rates up to 0.5 lb/A and 7 day intervals for rates greater than 0.5 lb/A.
Roses Boston Ivy	Japanese Beetles	1 1/3 lbs.	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.	Do not apply more than 1 1/3 lbs./A per 100 gals. of water and do not exceed 1 lb/A for cut flowers.

**COMMERCIAL GREENHOUSE FLORAL AND FOLIAGE CROPS**  
**Not for use in residential greenhouses**

PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE PER 100 GALS. (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Roses	Leafrollers	2/3 to 1 lb.	As leafrollers begin to appear. Use the higher amount when large larvae are present.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray.  Do not apply more than 1 lb./A for cut flowers.
Foliage Plants Orchids Anthuriums Cacti Poinsettia	Aphids	1/3 lb.	As aphids begin to appear.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage.  Caution: Phytotoxicity has occurred on the following foliage plants: <i>Blechnum gibbum</i> , <i>Cissus antarctica</i> , <i>Ficus triangularis</i> , <i>Fittonia verschaffeltii</i> , <i>Maranta leuconeura kerchoveana</i> , <i>Plectranthus lutes</i> , <i>Plectranthus australis</i> , <i>Polypodium aureus</i> , <i>Polystichum</i> , <i>Pteris ensiformis</i> , <i>Tolmiea menziesii</i> . Before treating large plantings spray only a few plants and observe 2 weeks for varietal phytotoxicity.
	Mealybugs Thrips Whiteflies	2/3 lb.	As the insects begin to appear. A repeat application, at a 2 week interval, may be necessary for control of mealybugs and whiteflies.	
	Scales (Crawlers)	2/3 lb.	As crawlers begin to appear. Repeat applications, at a 2 week or more interval; may be necessary, where there is continuous crawler production	

## COMMERCIAL GREENHOUSE FLORAL AND FOLIAGE CROPS (Continued)

PLANTS	INSECTS	AMOUNT ACEPHATE WSP PER ACRE PER 100 GALS. (lb. Product)	TIME OF APPLICATION	USE INSTRUCTIONS
Foliage Plants Orchids Anthuriums Cacti Poinsettia	Sweetpotato/ Silverleaf Whiteflies (Except CA)	$\frac{1}{3}$ lb. plus TAME@ 2.4 EC Spray 10 2/3 fl. oz. (0.2 lb. a.i.)	Apply when insects first appear. If a population is well established, make one application of the tank mix and follow 5 to 7 days later with TAME alone at 16 fl. oz/100 gals. See TAME label for instructions.	For Sweetpotato/Silverleaf whitefly control, apply the specified amount of ACEPHATE 75 WSP plus TAME@ 2.4 EC Spray as a tank mix at a volume necessary to obtain good coverage. Follow the TAME@ label for specific instructions on the alternation of TAME@ plus ACEPHATE 75 WSP and TAME@ alone and the rotation instruction to avoid potential resistance.  Do not apply more than 1 lb./A for cut flowers.
Roses Carnations Chrysan- themums	Aphids Thrips	2/3 lb.	As aphids begin to appear  As thrips begin to appear or at the tight flower bud stage.  Repeat applications may be necessary.	Apply the specified amount of ACEPHATE 75 WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray.  Do not apply more than 1 lb./A for cut flowers.
<b>USE PRECAUTIONS:</b>				
<ul style="list-style-type: none"> <li>• Application to Carnations and Chrysanthemum more often than once every 28 days may result in flower damage.</li> <li>• Caution: Phytotoxicity has occurred on the following Chrysanthemum varieties: Albatross, Bonnie Jean, Dixie, Garland, Gent, Iceberg, Pride, Showoff, Statesman, Tally Ho, Westward Ho, and Wild Honey. Before treating large Chrysanthemum plantings, spray only a few plants and observe two weeks for varietal phytotoxicity.</li> <li>• UPI does not recommend application to chrysanthemums and roses with open flowers.</li> <li>• 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.</li> </ul>				

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**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

**PESTICIDE STORAGE:** Keep pesticide in original container. Do not put concentrated 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 near feed or food.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

**CONTAINER HANDLING:**

Nonrefillable container. Do not reuse or refill this container.

Offer for recycling if available or dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

**IMPORTANT INFORMATION  
READ BEFORE USING PRODUCT**

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, United Phosphorus, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Phosphorus, Inc., and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, UNITED PHOSPHORUS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND 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 THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

- AMMO® -- Reg. TM of FMC Agri Chemical Group for cypermethrin insecticide.
- ASANA® -- Reg. TM of E.I. DuPont de Nemours & Co., Inc for esfenvalerate insecticide.
- BAYTHROID® -- Reg. TM of Miles, Inc. for cyfluthrin synthetic pyrethroid.
- CAPTURE® -- Reg. TM of FMC Agri Chemical Group for bifenthrin insecticide-miticide.
- DANITOL® -- Reg. TM of Sumitomo Chemical Company Ltd. for fenpropathrin Insecticide-miticide.
- KARATE® -- Reg. TM of Zeneca Ag Products U.K. for lambdacyhalothrin insecticide.
- LORSBAN® -- Reg. TM of Dow Chemical Company for chlorpyrifos insecticide.
- SCOUT® -- Reg. TM of Hoechst-Roussel Agri-Vet Co. for tralomethrin pyrethroid insecticide.
- TAME® -- Reg. TM of Valent USA Corp. for fenpropathrin Insecticide-miticide.
- ACEPHATE 75WSP is a registered trademark of United Phosphorus, Inc.

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GROUP 1 INSECTICIDE

# ACEPHATE 75 INSECTICIDE

For mound treatment to control fire ants

<b>ACTIVE INGREDIENT</b>	<b>By Wt.</b>
Acephate (O, S-Dimethyl acetylphosphoramidothioate).....	75%
<b>INERT INGREDIENTS</b> .....	<b>25%</b>
<b>TOTAL</b> .....	<b>100%</b>

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

<b>FIRST AID</b>	
Contains an organophosphate that inhibits cholinesterase.	
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>FOR EMERGENCY MEDICAL ASSISTANCE, CALL THE ROCKY MOUNTAIN POISON CONTROL CENTER at 1-866-673-6671.</b>	
<b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</b>	
<b>NOTE TO PHYSICIAN</b>	
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.	

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300**

EPA Reg. No. 70506-1

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_

Batch/Lot # \_\_\_\_\_

United Phosphorus, Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406  
1-800-438-6071 • www.upi-usa.com

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

**Caution.** Harmful if swallowed. Causes eye irritation.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are butyl, nitrile and neoprene. 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, shoes plus socks, chemical resistant gloves for all mixers and loaders.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**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. As soon as possible, wash thoroughly and change into clean clothing.

**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.

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 Eliminations 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.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the 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 FOR USE AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**Not for indoor residential use.**

**For use on turf, use limited to sod farms and golf courses, except when applying to mound or spot treatment for fire ant and harvester ant control.**

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.



**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 until 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

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT WITHIN the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses.

Do not enter or allow others to enter until dusts have settled.

**GENERAL INFORMATION**

ACEPHATE 75 is an insecticide for control of fire ants. The active ingredient in ACEPHATE 75 is acephate, a water soluble insecticide readily absorbed by plant roots and foliage to give systemic control of feeding insects. Insect pests are generally controlled more effectively by ACEPHATE 75 through ingestion than by contact. Application of ACEPHATE 75 to maintain control should be repeated only as directed.

**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 the product's nature, settling is likely to occur.

**NON-FOOD, NON-FEED PRODUCING AREAS**

Plant	Insects	AMOUNT OF ACEPHATE 75	USE INSTRUCTIONS
Turfgrass  Residential, recreational, and commercial turf  Non-Crop Areas (field borders, fencerows, roadsides, ditchbanks, borrow pits)	Imported Fire Ants	Evenly distribute 1 to 2 teaspoons over the mound.	For best results apply the material in the early morning or late afternoon when the ants are most active.  Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.  Grass in treated area may be injured.
Do not treat mounds more than once per season. Do not allow livestock to graze treated areas. Do not feed treated grass to livestock.			

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Do not apply more than 4 lbs/A to sod farms and 5 1/3 lbs/A to golf courses.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

**PESTICIDE STORAGE:** Keep pesticide in original container. Do not put concentrated 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 near feed or food.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

#### **CONTAINER HANDLING:**

**Nonrefillable container. Do not reuse or refill this container.**

Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available or dispose of empty container 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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**IMPORTANT INFORMATION  
READ BEFORE USING PRODUCT**

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, United Phosphorus, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Phosphorus, Inc., and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, **UNITED PHOSPHORUS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND 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 THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.