



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

August 4, 2023

Shannon Cooley  
Regulatory Specialist  
Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507-1041

Subject: Notification per PRN 98-10 – Addition of Optional Marketing Statements  
Product Name: Acephate 75 SP Agricultural & Fire Ant Insecticide  
EPA Registration Number: 53883-133  
Application Date: September 15, 2022  
Decision Number: 591494

Dear Shannon Cooley:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “NOTIFICATION” and placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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EPA Reg. No. 53883-133  
Decision No. 591494

If you have any questions, please contact Carmen J. Rodia, Jr. via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely,



Tamica L. Cain, Product Manager 10  
Invertebrate-Vertebrate Branch 2  
Registration Division (7505T)

*Enclosure: Master Label Stamped "Notification", August 4, 2023*

# NOTIFICATION

53883-133

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

08/04/2023

*[Text in braces and italics are notes to the label editor.]*  
*[Text in brackets alone are optional statements or alternative statements.]*

SUB-LABEL A	WATER SOLUBLE BAG LABEL	Pages 1 - 32
SUB-LABEL B	WATER SOLUBLE BAG PRINTING	Page 33
SUB-LABEL C	DRY FORMULATION LABEL	Pages 34 - 37

## SUB-LABEL A

# Acephate 75 SP

Agricultural & Fire Ant Insecticide  
[In a Water-Soluble Bag]

ACTIVE INGREDIENT	Acephate (O,S-Dimethyl acetylphosphoramidothioate)	By Wt.	75%
OTHER INGREDIENTS			25%
TOTAL			100%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

FIRST AID	
Contains an organophosphate that inhibits cholinesterase.	
If swallowed	<ul style="list-style-type: none"><li>• Call 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>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information</b>	
NOTE TO PHYSICIAN 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. 53883-133

EPA Est. No. [REDACTED]

Control Solutions, Inc.  
5803 Genoa-Red Bluff  
Pasadena, TX 77507-1041

Net Weight:

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash hands thoroughly after handling.

### 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
- socks and shoes
- chemical-resistant gloves made of any water-proof material such as polyethylene or polyvinyl chloride for all mixers and loaders and for applicators using hand-held application equipment.

#### In addition, applicators using low pressure hand wand application equipment must wear:

- 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.

See engineering controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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.

## 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 and must have immediately available for 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, and HE filter.

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. 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 spills with soil or incorporate into the soil.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds 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 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 state or tribal 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 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
- 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, nurseries or greenhouses.

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

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### SPRAY DRIFT

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Do not apply under conditions where drift is possible to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

**For Ground Boom Application:** apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use fine, medium, or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

**For Air Blast Applications:** direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3-10 mph at the application site as measured by an anemometer outside of the treated area on the upwind side.

**For Aerial Applications:** the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use fine, medium, or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

For overhead chemigation, apply only when wind speed is 10 mph or less.

The applicator also must use all other measures necessary to control drift.

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### MIXING PROCEDURES

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*(Agricultural products will use the term "packets")  
(Professional products will use the term "pouches")*

#### MULTIPLE PACKAGING

This bag contains multiple water soluble packets of ACEPHATE 75 SP. Do not handle the packets (pouches) with wet gloves or allow the packets (pouches) to become wet prior to addition to spray tank. Do not break open packets (pouches). Refer to **Tables of Equivalents** to calculate the number of packets (pouches) to use. If all packets are not used, close and reseal outer container to protect remaining packet(s) (pouch[es]).

#### SINGLE PACKAGING

This bag contains one water soluble packet (pouch) of ACEPHATE 75 SP. Do not handle the packet (pouch) with wet gloves or allow the packet (pouch) to become wet prior to addition to spray tank. Do not break open packets (pouches). Refer to the Tables of Equivalents to calculate the number of Packets (pouches) to use. Open outer bag and drop the unopened inner packet (pouch) of ACEPHATE 75 SP into spray tank.

#### PREPARATION OF SPRAY SOLUTION

To prepare spray solution, drop the unopened packet(s) (pouch[es]) of ACEPHATE 75 SP into a spray tank containing at least one-half the total quantity of water required. Direct water at the floating packet(s) (pouch[es]) and continue to add 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 after the packet(s) (pouch[es]) and its contents have completely dissolved.** Water soluble packet(s) (pouch[es]) 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.

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### TABLE OF EQUIVALENTS

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**Table of Equivalents for 1/3 lb. Packet**

Rates of Acephate 75 SP Per Acre	Acres Treated by a 1/3 lb. Packet
4 oz.	1.33
1/3 lb.	1.00
2/3 lb.	0.50
1 lb.	0.33
1 1/3 lbs.	0.25
2 2/3 lbs.	0.13
6 2/3 lbs.	0.05

**Table of Equivalents for 1 lb. Packet**

Rates of Acephate 75 SP Per Acre	Acres Treated by a 1 lb. Packet
4 oz.	4.00
1/3 lb.	3.00
2/3 lb.	1.50
1 lb.	1.00
1 1/3 lbs.	0.75
2 2/3 lbs.	0.38
6 2/3 lbs.	0.15

**Table of Equivalents for 2 lb. Packet**

Rates of Acephate 75 SP Per Acre	Acres Treated by a 2 lb. Packet
4 oz.	8.00
1/3 lb.	6.00
2/3 lb.	3.00
1 lb.	2.00
1 1/3 lbs.	1.50
2 2/3 lbs.	0.75
6 2/3 lbs.	0.30

**Table of Equivalents for 2 1/2 lb. Packet**

Rates of Acephate 75 SP Per Acre	Acres Treated by a 2 1/2 lb. Packet
4 oz.	10.00
1/3 lb.	7.50
2/3 lb.	3.75
1 lb.	2.50
1 1/3 lbs.	1.88
2 2/3 lbs.	0.94
6 2/3 lbs.	0.38

**Table of Equivalents for 5 lb. Packet**

Rates of Acephate 75 SP Per Acre	Acres Treated by a 5 lb. Packet
4 oz.	20.00
1/3 lb.	15.00
2/3 lb.	7.50
1 lb.	5.00
1 1/3 lbs.	3.75
2 2/3 lbs.	1.88
6 2/3 lbs.	0.75

**Table of Equivalents for 1/3 lb. Pouch**

Rates of Acephate 75 SP Per 100 Gallons of Water	Number of 1/3 lb. Pouch(es) per 100 Gallons Water
1/3 lb.	1
2/3 lb.	2
1 lb.	3
1 1/3 lbs.	4

Rates of Acephate 75 SP Soluble Powder		Treatment Area per 1/3 lb. Pouch(es)	
Per Acre	Per 1,000 sq. ft.	Acres	sq. ft.
1 1/3 lbs.	0.5 oz.	0.25	11,000
2 2/3 lbs.	1.0 oz.	0.12	5,400
6 2/3 lbs.	2.5 oz.	0.05	2,200

**Table of Equivalents for 2 lb. Pouch**

Rates of Acephate 75 SP Per 100 Gallons of Water	Number of Gallons of Water Per 2 lb. Pouch
1/3 lb.	600
2/3 lb.	300
1 lb.	200
1 1/3 lbs.	150

Rates of Acephate 75 SP		Treatment Area per 2 lb. Pouch	
Per Acre	Per 1,000 sq. ft.	Acres	sq. ft.
1 1/3 lbs.	0.5 oz.	1.50	64,000
2 2/3 lbs.	1.0 oz.	0.75	32,000
6 2/3 lbs.	2.5 oz.	0.30	12,800

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**PRODUCT INFORMATION**

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ACEPHATE 75 SP is an insecticide for control of pests on selected agricultural crops and in certain non-crop areas. The active ingredient in ACEPHATE 75 SP 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 SP through ingestion than by contact. Application of ACEPHATE 75 SP 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.

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.

**TANK MIXES**

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

**RESTRICTIONS FOR ALL USES**

- For use on turf, use is limited to sod farms and golf courses, except when applying to mound or spot treatment for fire ant and harvester ant control.
- Not for indoor residential use.
- For greenhouse, use is limited to commercial greenhouses for use on tobacco floatbed, ornamental, floral, and foliage plants.
- Do not apply with low pressure handwand equipment except to control fire ants as a mound treatment and when used on ornamental trees, shrubs, and floral plants grown for non-agricultural or non-commercial use.
- This product is NOT for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.
- Do not apply this product through any type of irrigation system except as specified for use on cranberries.

**BEANS AND LIMA BEANS – Dry and Succulent Forms  
Except Succulent Green Beans unless Grown only for Seed**

**USE RESTRICTIONS:**

- Dry Beans: Allow at least 14 days between final application and harvest.
- Lima Beans (Succulent): Allow at least 1 day to elapse between final application and harvest.
- Do not apply more than 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.
- Do not feed treated vines to livestock.
- Use on succulent green beans as a food crop is prohibited (including string beans, snap beans, and wax beans). Succulent green bean use is permitted ONLY if grown for seed.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Fleahoppers Grasshoppers	1/3 to 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.
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/Silverleaf Whitefly)	2/3 to 1 1/3 lbs.	Apply when eggs or insects first appear.  For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.  For severe insect infestations, use higher listed rates.
Armyworms (excluding Beet Armyworm) Corn Earworm European Corn Borer	1 to 1 1/3 lbs.	

**Use Restrictions for Succulent Green Beans Grown for Seed:**

- Do not feed crop residues to livestock or allow animals to graze treated areas.
- Do not apply to succulent beans grown for fresh market or processing.
- No portion of the succulent bean plant may be used or distributed for food or feed purposes.
- Seeds grown from succulent beans shall bear a tag or container label which forbids use of the seed for human consumption or animal feed.
- Seeds grown from succulent beans may not be distributed for human consumption or animal feed.

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**CELERY**

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**USE RESTRICTIONS:**

- Allow at least 21 days between final application and harvest.
- Do not exceed maximum application rate of 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.
- All celery must be trimmed (tops removed) before shipment for use.
- Do not use trimmed (tops) for food or feed.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Green Peach Aphid	<sup>2</sup> / <sub>3</sub> to 1 <sup>1</sup> / <sub>3</sub> 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.  Apply when eggs or insects appear.  For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.
Fall Armyworms Cabbage Looper	1 <sup>1</sup> / <sub>3</sub> lbs.	

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**COLE CROPS  
BRUSSELS SPROUTS AND CAULIFLOWER**

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**USE RESTRICTIONS:**

- Allow at least 14 days between final application and harvest.
- Do not exceed maximum application rate of 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.
- Do not feed trimmings to livestock or allow animals to graze in treated areas.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Green Peach Aphid	<sup>2</sup> / <sub>3</sub> lbs. to 1 <sup>1</sup> / <sub>3</sub> 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 listed rate when heavy infestations of aphids are present.  Begin application when insects or eggs first appear.  For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.  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 control practices for this insect.
Cabbage Looper Diamondback Moth Larvae Imported Cabbage Worm	1 <sup>1</sup> / <sub>3</sub> lbs.	

**COTTON**

**RESTRICTIONS APPLICABLE TO ALL USES ON COTTON:**

- Do not feed gin trash or forage to livestock.
- Do not allow animals to graze on treated areas.
- Do not apply more than 5 1/3 lbs. of ACEPHATE 75 SP (4 lbs. active ingredient) per acre per crop cycle. This limitation includes all methods of application; i.e. hopper-box, in-furrow, and foliar.
- When applied by air, do not apply more than 1.33 lbs. a.i. product (1 lb. a.i./A) in California and Arizona.
- Do not apply more than 1 lb. product (0.75 lb. a.i./A) for all other areas of the US when applied by air.

**COTTON IN-FURROW APPLICATION**

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aphids* Thrips (including Western Flower Thrips) Black (Greasy) Cutworm (Except CA)  * Excluding Cotton Aphids in AZ & CA	2/3 lbs. to 1 1/3 lbs.  For the Blacklands of Texas use 1 1/3 lbs. per acre ACEPHATE 75 SP	Apply ACEPHATE 75 SP in 3 to 5 gals. of water per acre as an in-furrow spray. ACEPHATE 75 SP 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.

**COTTON FOLIAR APPLICATION**

**USE RESTRICTIONS:**

- Allow at least 21 days between final application and harvest
- See restrictions applicable to all uses on cotton

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE		ADDITIONAL USE INSTRUCTIONS
	Ground	Aerial	
Thrips (including Western Flower Thrips)	3 to 4 oz.	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.
Plant Bugs (Lygus)	1/3 to 1 1/3 lbs. (East of Rockies)  1 to 1 1/3 lbs. (CA & AZ)	1/3 to 1 lbs. (East of Rockies)  1 to 1 1/3 lbs. (CA & AZ)	Apply when eggs or insects first appear. Repeat as necessary but do not exceed maximum application rate of 5 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle.  For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.
Fleahopper	1/3 lb.	1/3 lb.	
Cotton Aphid (excluding AZ and CA)	2/3 to 1 1/3 lbs.	2/3 to 1 lbs.	<b>Lygus</b> -- Use higher listed rate for lygus adults that have migrated into cotton.

Whitefly (excluding Sweetpotato /Silverleaf Whitefly)	$\frac{2}{3}$ to $1\frac{1}{3}$ lbs.	$\frac{2}{3}$ to 1 lbs. (East of Rockies)  $\frac{2}{3}$ to $1\frac{1}{3}$ lbs. (CA & AZ)	<b>Cotton Aphid</b> -- This insect may develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current control recommendations.  <b>Armyworms &amp; Cabbage Looper</b> -- Apply when eggs appear. Do not exceed maximum application rate of $5\frac{1}{3}$ lbs. of ACEPHATE 75 SP per acre per crop cycle.
Armyworms (excluding Beet Armyworm) Cabbage Looper	$1\frac{1}{3}$ lbs.	1 lbs. (East of Rockies)  $1\frac{1}{3}$ lbs. (CA & AZ)	<b>Bollworm and Tobacco Budworm</b> -- For light infestations early in the growing season use $\frac{2}{3}$ lb. per acre. For moderate to severe infestations during the mid and late growing season use 1 to $1\frac{1}{3}$ lbs. per acre by ground application (aerial application of $1\frac{1}{3}$ lbs. per acre in CA & AZ only). Apply when eggs appear. Do not exceed maximum application rate of $5\frac{1}{3}$ lbs. of ACEPHATE 75 SP per acre per crop cycle.
Bollworm Tobacco Budworm Adults Larvae	$\frac{2}{3}$ to $1\frac{1}{3}$ lbs. (East of Rockies)	$\frac{2}{3}$ to 1 lbs. (East of Rockies)	Adult: 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.
Eggs (DEADHATCH®)	$1\frac{1}{3}$ lbs. (CA & AZ)	1 $\frac{1}{3}$ lbs. (CA & AZ)	
Stinkbugs	1 lb.	1 lb.	
Pink Bollworm (AZ & CA)	$1\frac{1}{3}$ lbs.	$1\frac{1}{3}$ lbs.	DEADHATCH®: Control of emerging larvae by consumption of treated egg casings.  <b>Pink Bollworm</b> -- Apply when insects appear. Do not exceed maximum application rate of $5\frac{1}{3}$ lbs. of ACEPHATE 75 SP per acre per crop cycle..
Cutworms	1 lb	1 lb.	Cutworms -- Ground application is recommended. Aerial applications are less effective, but may be used.  Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of plant.  Apply when insects first appear or damage is first noted and repeat application as necessary to maintain control but do not exceed maximum application rate of $5\frac{1}{3}$ lbs. of ACEPHATE 75 SP per acre per crop cycle..  For applications of $\frac{2}{3}$ lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than $\frac{2}{3}$ lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.

#### COTTON TANK MIXES

##### RESTRICTIONS APPLICABLE TO ALL USES WITH TANK MIX PARTNERS:

- Do not feed gin trash or forage to livestock.
- Do not allow animals to graze on treated areas.
- Do not apply more than  $5\frac{1}{3}$  lbs. of ACEPHATE 75 SP (4 lbs. active ingredient) per acre per crop season. This limitation includes all methods of application; i.e. hopper-box, 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. Users must comply with the most restrictive labeling 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.

**USE RESTRICTIONS:**

- Allow at least 21 days between final application and harvest
- See restrictions applicable to all uses on cotton

INSECTS	AMOUNT ACEPHATE 75 SP + TANK MIX PARTNER PER ACRE	ADDITIONAL USE INSTRUCTIONS
Sweetpotato /Silverleaf Whitefly	$\frac{2}{3}$ lb. ACEPHATE 75 SP + 10 $\frac{2}{3}$ 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.  User must comply with all applicable directions, precautions, and restrictions for the product with the most restrictive labeling.  Apply when insects first appear or when damage is first noted and repeat application as necessary to maintain control but do not exceed maximum application rate of 5 $\frac{1}{3}$ lbs. of ACEPHATE 75 SP per acre per crop cycle.  For applications of $\frac{2}{3}$ lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.
Armyworms (excluding Beet Armyworm) Bollworms Cabbage Looper Cotton Aphid Cutworms* Fleahopper Grasshoppers Pink Bollworm Plant Bugs (Lygus, Mirids) Salt Marsh Caterpillar Thrips (including Western Flower Thrips) Tobacco Budworm Whitefly (excluding Sweetpotato/Silverleaf Whitefly)	<p><b>Ground Application:</b>  <math>\frac{1}{3}</math> to <math>1\frac{1}{3}</math> lbs.                      ACEPHATE 75 SP                      +                      1 to 2 pts.                      CHLORPYRIFOS 4E</p> <p><b>Aerial Application:</b>  <math>\frac{1}{3}</math> to 1 lbs.                      ACEPHATE 75 SP                      +                      1 to 2 pts                      CHLORPYRIFOS 4E                      (East of the Rockies)</p> <p><math>\frac{1}{3}</math> to <math>1\frac{1}{3}</math> lbs.                      ACEPHATE 75 SP                      +                      1 to 2 pts.                      CHLORPYRIFOS 4E                      (CA &amp; AZ)</p>	User must comply with all applicable directions, precautions, and restrictions for the product with the most restrictive labeling.  <b>*Cutworms:</b> Use 1 lb. per acre of ACEPHATE 75 SP.  <b>By Ground:</b> 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.  <b>By Air:</b> 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).  Apply when insects first appear or when damage is first noted and repeat application as necessary to maintain control but do not exceed maximum application rate of 5 $\frac{1}{3}$ lbs. of ACEPHATE 75 SP per acre per crop cycle.  For applications of $\frac{2}{3}$ lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than $\frac{2}{3}$ lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.

**COTTON TANK MIXES WITH PYRETHROIDS**

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 that appear on all product labels. The most restrictive labeling applies when using a tank mix.

**USE RESTRICTIONS:**

- Allow at least 21 days between final application and harvest.
- See restrictions applicable to all uses on cotton.

INSECTS	ACEPHATE 75 SP AND TANK MIX PARTNER	AMOUNT OF ACEPHATE 75 SP + TANK MIX PARTNER PER ACRE		ADDITIONAL USE INSTRUCTIONS
		Ground	Aerial	
Aphids Bollworm Cabbage Looper Cotton Leaf Perforator Cutworms Fall Armyworm Fleahoppers Pink Bollworm (AZ & CA) Plantbugs Stinkbugs Sweetpotato/Silverleaf Whitefly Thrips (including Western Flower Thrips) Tobacco Budworm Whitefly	ACEPHATE 75 SP + one of the following	<sup>2</sup> / <sub>3</sub> lb. to 1 <sup>1</sup> / <sub>3</sub> lbs. per acre + one of the following	<sup>2</sup> / <sub>3</sub> lb. to 1 lb. per acre (East of the Rockies)  <sup>2</sup> / <sub>3</sub> lb. to 1 <sup>1</sup> / <sub>3</sub> lbs. per acre (CA & AZ) + one of the following	User must comply with all applicable directions, precautions, and restrictions for the product with the most restrictive labeling.  Begin applications when eggs or insects appear and apply as needed to maintain control but do not exceed maximum application rate of 5 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle.
	ASANA® XL	Refer to the ASANA® XL approved label for use instructions.		For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.
	BAYTHROID® 2 EC	Refer to the BAYTHROID® 2 EC approved label for use instructions.		For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.
	BIFENTHRIN 2 EC	Refer to the BIFENTHRIN® 2 EC approved label for use instructions.		<b>Stinkbugs:</b> Use 1 lb. per acre of ACEPHATE 75 SP.
	CYPERMETHRIN 2.5 EC*	Refer to the CYPERMETHRIN 2.5 EC approved label for use instructions.		<b>Cutworms:</b> Use 1 lb. per acre of ACEPHATE 75 SP.
	KARATE® 1 EC (Except CA)	Refer to the KARATE® 1 EC approved label for use instructions.		<b>By Ground:</b> Ground application is recommended. Control is most effective when ground applications are made in the evenings and sprays are directed toward the base and lower portion of the plant.
	SCOUT® X-TRA (Except CA)	Refer to the SCOUT® X-TRA approved label for use instructions.		Apply in water at 10 to 25 gals. spray per acre by ground.  <b>By Air:</b> Aerial applications are less effective, but may be used. Apply when eggs or insects first appear or damage is first noted. Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA).

**CRANBERRIES**

**USE RESTRICTIONS:**

- Allow at least 75 days between final application and harvest in MA, NJ, WA, OR, WI, and 90 days in all other states.
- Do not apply more than 1 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle.
- Do not apply from start of bloom until all berries set.
- Limit to one application per growing season.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Cranberry Blossom Worm Gypsy Moth False Armyworm Fireworms Spanworms Sarganothis	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.

**SPRINKLER IRRIGATION 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.

**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.

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

**CHEMIGATION APPLICATION**

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

- 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.**

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**HEAD LETTUCE – Crisphead type only**

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**USE RESTRICTIONS:**

- Allow at least 21 days between final application and harvest
- Do not apply after first head begins to form for crops that germinate from mid-September through November in desert areas of AZ and CA.
- Do not feed trimmings to livestock or allow animals to graze on treated areas.
- Do not apply more than 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.
- For use on 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.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aster Leafhopper Green Peach Aphid	<sup>2</sup> / <sub>3</sub> to 1 <sup>1</sup> / <sub>3</sub> 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.
Cabbage Looper Armyworms (excluding Beet Armyworm)	1 <sup>1</sup> / <sub>3</sub> lbs.	For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.  Apply as necessary to maintain desired control but do not exceed maximum application rate of 2 <sup>2</sup> / <sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.

**MINT  
PEPPERMINT AND SPEARMINT**

**USE RESTRICTIONS:**

- Allow at least 14 days between final application and harvest
- Do not use spent mint hay for feed for dairy animals.
- Do not allow animals to graze treated areas.
- Do not apply more than 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Alfalfa Looper Aphids Cutworms Strawberry Root Weevil Adult Black Vine Weevil Adult	1 <sup>1</sup> / <sub>3</sub> lbs. (21.25 oz.)	<p>Apply in water at 5 to 10 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground.</p> <p>Apply when eggs or insects first appear. Make one repeat application, if necessary, to maintain control but do not exceed maximum application rate of 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.</p> <p><b>Strawberry Root and Black Vine Weevil:</b> For control, apply in water in a minimum of 40 gals. spray per acre by ground. Good spray coverage and canopy spray penetration is critical for control. Increase spray volume and pressure with tall or dense mint canopy.</p> <p>Apply after adult emergence is complete but prior to egg laying. Apply at dusk or during the night on a warm still evening. Two applications 10-14 days apart may be necessary to reduce heavy infestations.</p>

**NON-BEARING CITRUS**

**USE RESTRICTIONS:**

- Do not allow animals to graze treated areas.
- Do not harvest citrus for one year (365 days) after treatment.

INSECTS	AMOUNT OF ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aphids Grasshoppers Katydid Mealybugs Orangedogs Plant Bugs Thrips Whiteflies (except Sweetpotato/ Silverleaf Whitefly)	<sup>2</sup> / <sub>3</sub> lb.	<p>Repeat application at a minimum of every 7 days to maintain control.</p> <p>Apply ACEPHATE 75 SP in 100 to 200 gals. of water per acre by ground application.</p> <p>Spray individual juvenile or non-bearing trees for coverage with total application not to exceed listed rate in lbs. per acre. Length of residual activity will depend upon spray coverage and the amount of moisture following application.</p>
Citrus Blackfly*	<sup>2</sup> / <sub>3</sub> to 1 lbs.	<p>Apply when eggs or insects first appear. Use the higher listed rate when a heavy infestation is present.</p> <p>Repeat spray at 7 to 10 day intervals.</p> <p>Apply ACEPHATE 75 SP in 100 to 200 gals. of water per acre by ground application.</p>

\*Not registered in California for control of Citrus Blackfly or Harvester Ants.

Ants (Including Imported Fire Ants and Harvester Ants*	Mound Treatment Method: Mix $\frac{1}{3}$ lb. in 26.6 gals. of water	Repeat application as necessary to maintain control.  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**

**USE RESTRICTION:**

- Do not graze or feed vegetation cut from treated areas.

INSECTS	AMOUNT OF ACEPHATE 75 SP PER ACRE	ADDITIONAL 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 20 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.

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

**USE RESTRICTIONS:**

- Do not make more than one application per season.
- Do not graze or feed vegetation cut from treated areas.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL 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 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.

**PEANUTS**

**FOLIAR APPLICATION**

**USE RESTRICTIONS:**

- Allow at least 14 to elapse between final application and digging or lifting
- Do not apply more than 5<sup>1</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle, this includes the use on peanuts as a foliar spray in addition to the peanut planter box seed treatment use.
- Do not feed treated forage or hay to livestock or allow animals to graze treated areas.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshoppers	1 <sup>1</sup> / <sub>3</sub> to 2 <sup>2</sup> / <sub>3</sub> 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.
Thrips	1 <sup>1</sup> / <sub>2</sub> to 1 lb.	
Corn Earworm Fall Armyworm Leafhoppers Loopers Velvetbean Caterpillar	1 to 1 <sup>1</sup> / <sub>3</sub> lbs.	<p>Begin applications when eggs or insects first appear and repeat as needed to maintain control but do not exceed maximum application rate of 5<sup>1</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.</p> <p>For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.</p> <p>For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.</p> <p>ACEPHATE 75 SP can be tank mixed with at-cracking and early post emergence peanut herbicides, provided those products do not prohibit tank mixes.</p> <p>If tank mixing is allowed, the user must comply with the limitation and precautions on the label for the product with the most restrictive labeling and no label dosage rates can be exceeded.</p> <p>To determine physical compatibility, pour into a suitable container the recommended proportions of each chemical with the same proportion of water as will be present in the chemical supply tank, 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.</p> <p>Combinations should be kept agitated and should be applied immediately. Do not allow combinations to sit for prolonged periods in the chemical supply tank.</p>

**PEPPERS**

**BELL PEPPERS**

**USE RESTRICTIONS:**

- Allow at least 7 days between final application and harvest
- Do not apply more than 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshoppers	<sup>1</sup> / <sub>3</sub> to <sup>2</sup> / <sub>3</sub> 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.
Cabbage Looper Green Peach Aphid Tobacco Hornworm	<sup>2</sup> / <sub>3</sub> to 1 <sup>1</sup> / <sub>3</sub> lbs.	
European Corn Borer	1 to 1 <sup>1</sup> / <sub>3</sub> lbs.	<p>Apply when eggs or insect appear.</p> <p>Repeat as necessary until insects have been reduced below economically damaging numbers but do not exceed maximum application rate of 2 <sup>2</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.</p> <p>For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.</p> <p>For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.</p>

**NON-BELL PEPPERS**

**(For use only in Midwestern States, Eastern States and Puerto Rico)**

**USE RESTRICTIONS:**

- Allow at least 7 days between final application and harvest
- Do not apply more than 1 <sup>1</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Aphids	<sup>2</sup> / <sub>3</sub> lb.	<p>Apply in water at 40 to 150 gals. spray per acre with ground equipment.</p> <p>Repeat at 7 to 10 day intervals as necessary but do not exceed maximum application rate of 1 <sup>1</sup>/<sub>3</sub> lbs. of ACEPHATE 75 SP per acre per crop cycle.</p>

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**SOYBEANS**

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**USE RESTRICTIONS:**

- Allow at least 14 days between final application and harvest
- Do not apply more than 2 lbs. of ACEPHATE 75 SP per acre (1.5 lbs. a.i./A) per crop cycle.
- Do not graze or cut vines for hay or forage.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Grasshopper, Thrips	$\frac{1}{3}$ to $\frac{2}{3}$ lb	Apply when eggs or insect appear.  Apply in water at 5 to 10 gals. of spray per acre by air (minimum 5 gal/A in CA) or 10 to 50 gals. of spray per acre (broadcast) by ground.
Potato Leafhopper, Stinkbugs	$\frac{2}{3}$ to 1 $\frac{1}{3}$ lbs.	Repeat as necessary until insects have been reduced below economically damaging numbers but do not exceed maximum application rate of 2 lbs. of ACEPHATE 75 SP per acre per crop cycle.
Armyworms (except Beet) Bean Leaf Beetle Cabbage Looper Green Cloverworm Mexican Bean Beetle Soybean Aphid Threecornered Alfalfa Hopper Velvetbean Caterpillar	1 to 1 $\frac{1}{3}$ lbs.	For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.  For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.

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**TOBACCO**  
(Not Registered for Use in California)

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**TOBACCO (FLOATBED) APPLICATIONS (Except CA)**

**RESTRICTION:**

- Do not apply more than 5  $\frac{1}{3}$  lbs. of ACEPHATE 75 SP per acre per crop cycle, this includes the use in transplant water, plant bed, soil, floatbed (greenhouse) and foliar application.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	1 lb.	Apply to foliage at the equivalent of 1 tablespoon in 3 gal. of water per every 1,000 sq. ft. of bed. Repeat applications at a minimum of 7 day intervals.  Apply evenly to ensure thorough coverage.  Floatbed water should be disposed of in the transplant field through the transplant water or foliar spray.

**TOBACCO PLANT BED APPLICATIONS (Except CA)**

**USE RESTRICTION:**

- Do not apply more than 5 1/3 lbs. of ACEPHATE 75 SP per acre per cycle, this includes the use in transplant water, plant bed, soil, floatbed (greenhouse) and foliar application.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Cutworm Flea Beetle Green Peach Aphid Tobacco Aphid	1 lb.	Apply to foliage at the equivalent of 1 tablespoon in 1 gal. of water per every 1,000 sq. ft. of bed.  Apply evenly to ensure thorough coverage. Repeat applications at a minimum of 7 day intervals

**TOBACCO TRANSPLANT WATER APPLICATION (Except CA)**

**USE RESTRICTIONS:**

- Do not use more than 1 pound of ACEPHATE 75 SP per acre as a transplant-water application.
- Do not apply more than 5 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle, this includes the use in transplant water, plant bed, soil, floatbed (greenhouse) and foliar application.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Cutworms Flea Beetle Green Peach Aphid Potato Tuberworm Tobacco Aphid Tobacco Thrips	1 lb.	Provides control for approximately 3 to 4 weeks after transplanting. For later season control of these insects, apply a foliar spray of ACEPHATE 75 SP.  Apply in a minimum of 100 gals. of transplant water per acre.  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.

**TOBACCO FOLIAR APPLICATION (Except CA)**

**USE RESTRICTIONS:**

- Allow at least 3 days between final application and harvest
- Do not apply more than 5 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle, this includes the use in transplant water, plant bed, soil, floatbed (greenhouse) and foliar application.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
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.
Flea Beetle Green Peach Aphid Tobacco Hornworm Tobacco Thrips	2/3 lb.	Apply on a 7 day schedule or as needed but do not exceed maximum application rate of 5 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle.
Stinkbugs Tobacco Aphid Vegetable Weevils	2/3 to 1 lb.	For applications of 2/3 lbs. ACEPHATE 75 SP or less, repeat at a minimum of 3 day intervals.
Budworm Cabbage Looper Cutworm Japanese Beetle	1 lb.	For applications greater than 2/3 lbs. of ACEPHATE 75 SP, repeat at a minimum of 7 day intervals.

**TOBACCO SOIL MOUND APPLICATION (Except CA)**

**USE RESTRICTIONS:**

- Allow at least 3 days between final application and harvest
- Treat maximum of 13 mounds per acre.
- Do not treat more than once per season.
- Do not apply more than 5 1/3 lbs. of ACEPHATE 75 SP per acre per crop cycle, this includes the use in transplant water, plant bed, soil, floatbed (greenhouse) and foliar application.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	ADDITIONAL USE INSTRUCTIONS
Fire Ants and Harvester Ants Only	Mound Treatment - Mix 1/3 lb. in 26.6 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.

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**SPECIALTY USES**

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**NON-CROP AREAS (FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS)**

**Use as a mound treatment only; only for use on fire ants and harvester ants.**

**USE RESTRICTION:**

- Do not treat mound more than once per season.

INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE SPRAY	ADDITIONAL USE INSTRUCTIONS
Fire Ants and Harvester Ants* Only  *Not registered in California for control of Harvester Ants	Mound Treatment Method: Mix 1/3 lb. in 26.6 gals. of water.	For best results apply the material in the early morning or late afternoon when the ants are most active.  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.  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.

**CONTAINER GROWN NURSERY STOCK**

PLANTS	INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE PER 100 GALS.	APPLICATION INFORMATION
Container Grown Nursery Stock (Arborvitae Azalea Camellia Rhododendron Roses Viburnum Yew)	Black Vine Weevil Strawberry Root Weevil	1 lb. (16 oz.)	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 SP per 100 gals. of solution so as to thoroughly drench the root system.
	Ants, (excluding fire, harvester, carpenter and pharoah)	1 lb. (16 oz)	Apply as needed to control the pest.  Apply the specified amount ACEPHATE 75 SP per 100 gals. of solution so as to thoroughly drench the root system.

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**ORNAMENTAL TREES AND SHRUBS**

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**USE RESTRICTIONS FOR ALL ORNAMENTAL TREES AND SHRUBS**

- Do not apply to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum.
- Nursery Crops: Before treating large plantings, spray only a few plants and observe two weeks for phytotoxicity.
- Apply at a minimum of 14 day spray intervals unless otherwise indicated.
- Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hops, Ichonoski. Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.
- Do not apply by low pressure handwand.

PLANTS	INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE PER 100 GALS.	APPLICATION TIMING	APPLICATION INFORMATION
Trees and Shrubs  (except Flowering Crabapple see below)	Aphids Bagworms Birch Leafminer Tent Caterpillar* Lace Bugs Leafrollers	$\frac{1}{3}$ lb. (5.3 oz)	When the insects begin to appear.	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer.  The addition of a suitable sticker improves control of Gypsy Moth larvae.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae* Webworms	$\frac{2}{3}$ lb. (10.5 oz.)	When the insects begin to appear.	* Mist blower application.  Adjust rates to $1\frac{1}{3}$ lbs. per 100 gals. water for Gypsy Moth control and 1.0 lb. per 100 gals. water for Tent Caterpillar control.
	Scales (Crawlers)	$\frac{2}{3}$ lb. (10.5 oz.)	When crawlers begin to appear. Repeat applications, at a 2 week or more interval. May be necessary where there is continuous crawler production.	
	Ponderosa Pine Needle Miner	$\frac{2}{3}$ lb. (10.5 oz.)	Time of application is important.  Consult your Farm advisor or County Extension Agent.	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Grasshoppers	$\frac{2}{3}$ lb. (10.5 oz.)	When the grasshoppers begin to appear.	
	California Oakworm Cankerworms (Spring and Fall)	$\frac{1}{3}$ to $\frac{2}{3}$ lb. (5.3 to 10.5 oz.)	When the insects begin to appear. Use the higher listed rate when the larger larvae are present.	
	Nantucket Pine Tip Moth Larvae	1 lb. (16 oz)	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. (16 oz.)	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. (16 oz.)	When the insects begin to appear.	
	Japanese Beetle	$1\frac{1}{3}$ lbs. (21.3 oz.)	When the Japanese Beetles begin to appear. Repeat applications, at 2 week intervals, may be necessary.	
	Elm Leaf Beetle (larvae)	$1\frac{1}{3}$ lbs. (21.3 oz.)	When the larvae begin to appear. ACEPHATE 75 SP will not prevent Elm Leaf Beetle eggs from hatching.	

**ORNAMENTAL TREES AND SHRUBS (Continued)**

PLANTS	INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE PER 100 GALS.	APPLICATION TIMING	APPLICATION INFORMATION
Douglas Fir Christmas Trees	Douglas Fir Needle Midge	<sup>2</sup> / <sub>3</sub> lb. (10.5 oz.)	Make applications 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 SP 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	<sup>1</sup> / <sub>3</sub> lb. (5.3 oz.)	When the insects begin to appear.	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer.  Do not apply more often than 3 times in a growing season at 28 day intervals.
Crape Myrtle	Aphids	1/3 lb. in 5 to 7 Tbsp. of water.	When aphids begin to appear.	Make a paint-on slurry by mixing the specified amount of ACEPHATE 75 SP with 5 to 7 tablespoons of water.  Remove the loose bark from the trunk areas to be treated. Completely paint a band around each trunk to a width twice its diameter.  Application should be make to trunks within a zone 6 to 12 inches above the ground and below the point where branching begins. For multi-trunk plants, be certain to treat all trunks. For either single or multi-trunk plants, application should be made as low as possible within the recommended treatment zone.

**GOLF COURSE AND SOD FARMS TURFGRASS**

**USE RESTRICTIONS**

- Do not allow animals 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 and harvester ant control.
- For sod farms – do not apply within 3 days of harvest.
- Aerial application to turf is prohibited.

INSECTS	AMOUNT ACEPHATE 75 SP PER 1,000 SQ. FT.		APPLICATION TIMING	APPLICATION INFORMATION
	Golf Course	Sod Farm Turfgrass		
Fall Armyworm Yellow Striped Armyworm Southern Armyworm	$\frac{1}{2}$ to 1.2 oz. ( $1\frac{1}{3}$ to $3\frac{1}{4}$ lbs. per acre)	$\frac{1}{2}$ to 1.2 oz. ( $1\frac{1}{3}$ to $3\frac{1}{4}$ lbs. per acre)	When the insects appear.  Repeat application at a minimum of 7 to 14 day intervals as needed.	Apply the specified amount of ACEPHATE 75 SP per 1,000 sq. ft.  Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.
Cutworm	1.2 to 1.9 oz. ( $3\frac{1}{4}$ to $5\frac{1}{4}$ lbs. per acre)	1.2 to 1.4 oz. ( $3\frac{1}{4}$ to 4 lbs. per acre)		Use higher listed rates for severe insect infestations
Chinch bugs	1.2 to 1.9 oz. ( $3\frac{1}{4}$ to $5\frac{1}{4}$ lbs. per acre)	1.2 to 1.4 oz. ( $3\frac{1}{4}$ to 4 lbs. per acre)	Apply as needed for adult population knockdown.  Repeat application at a minimum of 7 to 14 day intervals as needed.	
Sod Webworm (Crambus spp.)	$\frac{1}{2}$ to 1 oz. ( $1\frac{1}{3}$ to $2\frac{3}{4}$ lbs. per acre)	$\frac{1}{2}$ to 1 oz. ( $1\frac{1}{3}$ to $2\frac{3}{4}$ lbs. per acre)	When sod webworms begin to appear. Use the higher listed rate when quick knockdown is needed or with heavy infestations.  Repeat application at a minimum of 7 to 14 day intervals as needed.	
Leafhopper	1 oz. ( $2\frac{3}{4}$ lbs. per acre)	1 oz. ( $2\frac{3}{4}$ lbs. per acre)	When the leafhoppers begin to appear.  Repeat application at a minimum of 7 to 14 day intervals as needed.	

**GOLF COURSE AND SOD FARM TURFGRASS (Continued)**

INSECTS	AMOUNT ACEPHATE 75 SP PER 1,000 SQ. FT.		APPLICATION TIMING	APPLICATION INFORMATION
	Golf Course	Sod Farm Turfgrass		
Mole Crickets (Except CA) Spittlebug (Except CA)	1.0 to 1.9 oz. (2 2/3 to 5 1/4 lbs. per acre)	1.0 to 1.4 (2 2/3 to 4 lbs. per acre)	When mole crickets begin to appear.  For knockdown of existing populations, repeat application at a minimum of 7 to 14 day intervals as needed.  For heavy infestations, use the higher listed rate.	Apply the specified amount of ACEPHATE 75 SP 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 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 Myrt 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.
Greenbug (Schizaphis graminun) Grasshoppers	1/2 oz. (1 1/3 lbs. per acre)	1/2 oz. (1 1/3 lbs. per acre)	Apply when insects or their damage first appears.  Repeat application at a minimum of 7 to 14 day intervals as needed.	Apply the specified amount of ACEPHATE 75 SP. 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.

**GOLF COURSE AND SOD FARM TURFGRASS (Continued)**

INSECTS	AMOUNT ACEPHATE 75 SP PER 1,000 SQ. FT.		APPLICATION TIMING	APPLICATION INFORMATION
	Golf Course	Sod Farm Turfgrass		
Black Turfgrass Ataenius (Except CA)	1.5 to 1.9 oz (4 to 5 ¼ lbs. per acre)	1.4 oz. (4 lbs. per acre)	Apply when insects or their damage first appear.  Repeat application at a minimum of 7 to 14 day intervals as needed.	Apply the specified amount of ACEPHATE 75 SP per 1,000 sq. ft.  Use a minimum of 5 gallons water per 1,000 sq ft. Irrigate lightly after application (not more than ½ inch).  Use the higher listed rate for severe infestations.
<b>Dichondra</b> (Plant Site for Golf Course and Sod Farms Turfgrass)				
Cutworm Flea Beetle Southern Armyworm Yellow Striped Armyworm	1.0 to 1.9 oz. (2 ¾ to 5 ¼ lbs. per acre)	1.0 to 1.4 oz. (2 ¾ to 4 lbs. per acre)	Apply when insects first appear.  Repeat application at a minimum of 7 to 14 day intervals as needed.	Apply the specified amount of ACEPHATE 75 SP per 1,000 sq. ft. Use a minimum of 15 gals. of water per 1,000 sq. ft. to obtain good coverage.

**MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS**  
Use as a mound treatment only; only for use on fire ants and harvester ants.

PLANT	INSECTS	AMOUNT ACEPHATE 75 SP	APPLICATION TIMING	APPLICATION INFORMATION
Turfgrass Residential, Recreational and Commercial Turf	Imported Fire Ants and Harvester Ants*	<b>Mound Treatment Drench Method</b> Mix 1/3 lb. in 26.6 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.	Apply when insects first appear.  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 SP as directed.  Grass in treated area may be injured.  Do not treat mound more than once per season  *Not registered for use in California for control of Harvester Ants.

**OUTDOOR AND PERIMETER SPRAY EXCLUDING RESIDENTIAL TURF**

LOCATION	INSECTS	AMOUNT ACEPHATE 75 SP PER GALLON	APPLICATION TIMING	APPLICATION INFORMATION
Outdoor and perimeter area (excluding residential turf)	Wasps	Mix 1/3 lb. in 3.3 gals. of water	Treat early or late in the day as wasps are generally less active during these times.	Apply the specified amount of ACEPHATE 75 SP per each gallon of water used.  Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.
	Ants, excluding fire, harvester, carpenter and pharoah) Crickets Cockroaches Earwigs Pillbugs	Mix 1/3 lb. in 3.3 gals. of water	When the insects appear.	Apply specified amount of ACEPHATE 75 SP per each gallon of water used.  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.

**OUTDOOR FLORAL CROPS AND GROUND COVERS**

<b>PLANTS</b>	<b>INSECTS</b>	<b>AMOUNT ACEPHATE 75 SP PER ACRE PER 100 GALS.</b>	<b>APPLICATION TIMING</b>	<b>APPLICATION INFORMATION</b>
Chrysanthemums Daisies Dahlias Easter Lily Gladioli Gyposophila Pachysandra Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	$\frac{2}{3}$ lb. (10.5 oz.)	As insects begin to appear.  Repeat applications at 2 week intervals may be necessary..	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer to ensure complete coverage of the target plant.  Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.
Boston Ivy	Japanese Beetles	$1\frac{1}{3}$ lbs. (21.3 oz.)	When the Japanese Beetles begin to appear.	
Roses	Japanese Beetles	1 lb.	Repeat applications at 2 week intervals may be necessary.	

**GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS**

**USE RESTRICTIONS:**

- Do not apply more often than once every 28 days to Carnations and Chrysanthemum.
- Do not apply to chrysanthemums and roses with open flowers.
- 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.
- Do not apply under conditions where drift is possible to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

PLANTS	INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE PER 100 GALS.	APPLICATION TIMING	APPLICATION INFORMATION
Roses	Leafrollers	$\frac{2}{3}$ to 1 lb. (10.5 to 16 oz.)	When leafrollers begin to appear. Use the higher listed rate when large larvae are present.	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer to ensure complete coverage.  Do not apply to chrysanthemums and roses with open flowers.
Foliage Plants Anthuriums Cacti Orchids Poinsettia	Aphids	$\frac{1}{3}$ lb. (5.3 oz.)	When aphids begin to appear.	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer to ensure complete coverage,  The addition of a wetting agent may be required on difficult to wet foliage.
	Mealybugs Thrips Whiteflies	$\frac{2}{3}$ lb. (10.5 oz.)	When the insects begin to appear. A repeat application, at a 2 week interval, may be necessary for control of mealybugs and whiteflies.	Caution: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus triangularis, Fittonia verschaffeltii, Maranta leuconeura kerchoveana, Plectranthus lutes, Plectranthus australis, Polypodium aureus, Polystichum, Pteris ensiformis, Tolmiea menziesii.  Before treating large plantings spray only a few plants and observe the treated plants 2 weeks for varietal phytotoxicity.
	Scales (Crawlers)	$\frac{2}{3}$ lb. (10.5 oz.)	When crawlers begin to appear. Repeat applications, at a 2 week or more interval; may be necessary, where there is continuous crawler production.	Application of ACEPHATE 75 SP on Poinsettias after bract formation may result in phytotoxicity on certain varieties.

Sweetpotato/ Silverleaf Whiteflies (Except CA)	$\frac{1}{3}$ lb. (5.3 oz.) plus TAME@ 2.4 EC Spray 10 $\frac{2}{3}$ fl. oz. (0.2lb. 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/100gal. See TAME label for instructions.	For Sweetpotato/ Silverleaf whitefly control, apply the specified amount of ACEPHATE 75 SP plus TAME@ 2.4 EC Spray as a tank mix at a volume necessary to obtain good coverage.  User must comply with all applicable directions, precautions, and restrictions for the product with the most restrictive labeling.
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**GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS (continued)**

PLANTS	INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE PER 100 GALS.	APPLICATION TIMING	APPLICATION INFORMATION
Roses Carnations Chrysanthemums	Aphids Thrips	$\frac{2}{3}$ lb. (10.5 oz.)	When aphids begin to appear.  When thrips begin to appear or at the tight flower bud stage.	Apply the specified amount of ACEPHATE 75 SP in 100 gals. water with a hydraulic sprayer to ensure complete coverage.  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.  Do not apply more often than once every 28 days to Carnations and Chrysanthemum.  Do not apply to chrysanthemums and roses with open flowers.

**PESTICIDE STORAGE AND DISPOSAL**

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. Do not put concentrated or dilute product into food or drink containers. Store in a cool, dry place. Protect from excessive heat. Do not contaminate food or feedstuffs. Do not store or transport 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.

**CONTAINER HANDLING:** *[For water soluble packaging]* Nonrefillable container. Do not reuse or refill this container. Do not reuse the outer bag. Offer for recycling if available. If recycling is not available dispose of the outer bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

*[For Dry Product]* Nonrefillable container. Do not reuse or refill this container. Empty container through use according to label instructions. Do not rinse unless required for recycling. Offer for recycling, if available. If recycling is not available; then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke

**IMPORTANT INFORMATION  
READ BEFORE USING PRODUCT**

**LIMITED WARRANTY:**

1. Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. To the extent consistent with applicable law, Control Solutions does not make nor authorizes any agent or representative to make any other warranty, guarantee or representations, express or implied, concerning this product. To the extent consistent with applicable law, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.
2. Critical and unforeseeable factors beyond Control Solutions' control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the use state on the labeling and even though label directions are followed. To the extent consistent with applicable law, buyer and user acknowledge and assume all risks and liability (except those assumed by Control Solutions under 1. above) resulting from handling, storage, and use of the product.
3. Follow all use directions and follow all restrictions on the labeling.

ASANA® -- Reg. TM of E.I. duPont de Nemours & Co., Inc. for esfenvalerate insecticide.  
BAYTHROID® -- Reg. TM of Bayer Crop Protection for cyfluthrin synthetic pyrethroid.  
DANITOL® -- Reg. TM of Valent USA Corporation for fenpropathrin insecticide-miticide.  
KARATE® -- Reg. TM of Syngenta Crop Protection, Inc. for lambda-cyhalothrin insecticide.  
SCOUT® -- Reg. TM of Aventis Crop Science for tralomethrin pyrethroid insecticide.  
TAME® -- Reg. TM of Valent USA Corporation for fenpropathrin insecticide.

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**SUB-LABEL B**

*[Label Text to be Printed on the Water Soluble Package]*

**Acephate 75 SP**  
Agricultural & Fire Ant  
(Insecticide In a Water Soluble Bag)

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PLEASE REFER TO PRODUCT LABELING FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS AND COMPLETE DIRECTIONS FOR USE.**

EPA Reg. No. 53883-133

*[Text in braces and italics are notes to the label editor.]*  
*[Text in brackets alone are optional statements or alternative statements.]*

### SUB-LABEL C

## Acephate 75 SP

Agricultural & Fire Ant  
(Insecticide)

{Alt name: Surrender® Brand Fire Ant Killer Acephate 75%-%} {Alt Name: Martin's® SURRENDER Fire Ant Killer Insecticide}-1 {Alt Name: SURRENDER Fire Ant Killer Insecticide}-1 {Alt Name: SURRENDER} {Optional Generic Descriptor: Fire Ant Killer Insecticide}-1 {Optional Generic Descriptor: Fire Ant Killer Acephate 75%-%}

#### Optional marketing claims:

- Treats Up to 108 Fire Ant Mounds (Note to reviewer: for 1 lb. can)
- Treats up to 54 fire ant mounds (Note to reviewer: for ½ lb. can)
- Acephate 75%
- For mound treatment of fire ants and harvester ants in turfgrass
- One application per season

**Commented [SC1]:** Moved to last page for consistency with other CSI labels

#### ACTIVE INGREDIENT

Acephate (O,S-Dimethyl acetylphosphoramidothioate)

#### OTHER INGREDIENTS

#### TOTAL

By Wt.

75.0%

25.0%

100.0%

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

#### FIRST AID

Contains an organophosphate that inhibits cholinesterase.

<b>If swallowed</b>	<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>
<b>If in eyes</b>	<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>
<b>If on skin or clothing</b>	<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>
<b>If inhaled</b>	<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>

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information**

#### NOTE TO PHYSICIAN

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. 53883-133

EPA Est. No. 39578-TX-1

Control Solutions, Inc.  
5903 Genoa-Red Bluff

**Net Contents:**

Pasadena, TX 77507-1041

## PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### CAUTION

Harmful if swallowed. Causes eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust Wash hands thoroughly after handling.

### 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.

**Applicators and other handlers must wear:** long-sleeved shirt and long pants; socks and shoes; chemical-resistant gloves made of any water-proof material such as polyethylene or polyvinyl chloride.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 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

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.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

This product and its degradate are 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.

This pesticide is toxic to birds.

### 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.

**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, nurseries or greenhouses.

For other non-agricultural areas, do not enter or allow others to enter until dust has settled.

**NON-CROP AREAS (FIELD BORDERS, FENCEROWS, ROADSIDES, DITCHBANKS, BORROW PITS)**

**USE RESTRICTIONS:**

- Do not treat mound more than once per season.

CROPS	INSECTS	AMOUNT ACEPHATE 75 SP PER ACRE	FURTHER USE INSTRUCTIONS
Non-Crop Areas	Ants (excluding carpenter and pharaoh)	Mound Treatment — 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.

**MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS**

**USE RESTRICTIONS:**

- Do not treat mound more than once per season.

PLANT	INSECTS	AMOUNT ACEPHATE 75 SP	TIME OF APPLICATION	APPLICATION RATE
Turfgrass Residential, Recreational and Commercial Turf	Fire Ants and Harvester Ants* Only  *Not registered in California for control of Harvester Ants.	Mound Treatment — 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.	Apply the specified amount of ACEPHATE 75 SP as directed.  Grass in treated area may be injured.

## PESTICIDE STORAGE AND DISPOSAL

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. Do not put concentrated or dilute product into food or drink containers. Store in cool, dry place. Protect from excessive heat. Do not contaminate food or feedstuffs. Do not store or transport 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.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Empty container through use according to label instructions. Do not rinse unless required for recycling. Offer for recycling, if available. If recycling is not available; then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## IMPORTANT INFORMATION READ BEFORE USING PRODUCT

### LIMITED WARRANTY:

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. To the extent consistent with applicable law, Control Solutions does not make nor authorizes any agent or representative to make any other warranty, guarantee or representations, express or implied, concerning this product. To the extent consistent with applicable law, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

Critical and unforeseeable factors beyond Control Solutions' control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the use state on the labeling and even though label directions are followed. To the extent consistent with applicable law, buyer and user acknowledge and assume all risks and liability (except those assumed by Control Solutions under 1. above) resulting from handling, storage, and use of the product.

Follow all use directions and follow all restrictions on the labeling.

### Optional marketing claims:

- [\[Treats Up to 108 Fire Ant Mounds\] \(Note to reviewer: for 1 lb. can\)](#)
- [\[Treats up to 54 fire ant mounds\] \(Note to reviewer: for ½ lb. can\)](#)
- [Acephate 75%](#)
- [For mound treatment of fire ants and harvester ants in turfgrass](#)
- [One application per season](#)