



U.S. ENVIRONMENTAL PROTECTION
AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

66330-354

Date of Issuance:

SEP 27 2007

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Acephate 75 SP

Name and Address of Registrant (include ZIP Code):

Arysta LifeScience North America Corporation
Park West II 15401 Weston Parkway, Suite 150
Cary, North Carolina 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Decision (RED) for Acephate, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling for the subject product submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided you submit one (1) copy of the final printed label incorporating the following corrections before you release the product for shipment. Products shipped after 12 months from the date of this Notice must bear the new revised label. A stamped copy of the label is enclosed for your records.

1. Correct the respirator PPE wherever it appears to read as follows: 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.

2. Revise the text "mixers, loaders, applicators and other handlers must wear" (page 2) to read as follows: "mixers, loaders, applicators and other handlers using engineering controls must wear."

Signature of Approving Official:

Date:

SEP 27 2007

3. Make the corrections cited below in the Directions for Use section (page 3).

a. If you wish to retain the allowable uses of low-pressure handwand equipment (ant mounds and ornamentals when grown for non-commercial use only), replace the prohibition statement with the following statement: "Do not use low pressure handwand application equipment except when applying as a fire ant mound treatment or on ornamental trees, shrubs and floral plants when grown for non-commercial use."

Alternatively, remove the reference to use of such equipment on page 2. Please refer to item 11 in our December 21, 2006 letter.

b. Since the registered use of this product on sod farm turf has been reinstated on your label, and the label does not include use against harvester ants, revise the turf use restriction to include sod farms and to exclude harvester ants so that it reads as follows: "For use on turf, use limited to golf courses and sod farms, except when applying to mound or spot treatment for fire ant control."

c. Add the text "and tobacco (floatbed application)" to the greenhouse use restriction so that it reads as follows: For greenhouse use, use is limited to commercial greenhouses for use on ornamental, floral and foliage plants; and tobacco (floatbed application).

d. Add the statement cited below immediately after the statement "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."

e. Add the chemigation statements as they appear on your registered label plus a chemigation heading. These statements with the added heading are cited below.

Chemigation

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

4. Appropriate rate equivalency tables reflecting the use of the water soluble package (WSP) product are needed. Such a table provides the equivalent amount of product in terms of the individual WSP. Several uses now have application directions which are not appropriate for a WSP including the following: 4 oz of formulated product for thrips on cotton (page 5); 1 oz of product for the fire ant mound in tobacco use (page 11), the specified non-crop areas use (page 17) and the turfgrass use (page 24); and 3 to 4 level tablespoons for use on crepe myrtle (page 21). The conversion/equivalents tables appearing on pages 5, 9, and 18 are not appropriate and/or are not sufficient for WSP products. The conversion table on page 9 for example only provides the amount of active ingredient in the listed amount of product. It does not provide the user with the equivalent amount of formulated product in terms of the amount contained in each individual water soluble package.

Please be aware that the water soluble packages are not to be opened for removal of a small amount of product. To do so would defeat the purpose of the WSP as a risk reduction measure.

5. As specified in the December 21, 2006 letter, the label must bear the correct maximum seasonal application rate restriction for each of the listed crops. The correct rate for each crop in terms of pounds a.i. per acre is: cotton (4.0), beans (2.0), Brussels sprouts and cauliflower (2.0), head lettuce (2.0), non-bell peppers (1.0), and bell peppers (2.0).

6. Make the corrections cited below in the cotton use tables.

a. Add the maximum aerial application rate restrictions to the cotton table as specified in the acephate RED. These statements are: 1.0 lb a.i./A for cotton grown in California and Arizona and 0.75 lb a.i. /A for cotton grown in all other areas of the U.S.

b. The following restrictions are general cotton restrictions that are applicable to all the cotton uses with the exception of the in-furrow application and thus they must appear in the cotton tables for all listed insects: Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas.

7. Based on the single application rate and the corrected maximum seasonal rate, the maximum number of applications appearing on the label for head lettuce and non-bell peppers must be corrected from 5 to 2 for head lettuce and from 7 to 2 for non-bell peppers.

8. Correct the statement in the cranberry table (page 12) from "Application should not ___" to "Do not ___" so that it reads as it appears on the registered label for the product; i.e. Do not apply from start of bloom until all berries have set.

9. Correct the maximum application rates for grasshoppers on bell type peppers (page 15) from 1 1/3 lbs to 2/3 lb as it appears on the registered label for the product.

10. Remove the added non-bearing citrus use (page 16). Refer to item 6 of our December 21, 2006 letter for the subject product.

11. Make the corrections cited below for the container grown nursery stock use (page 27).

a. Remove the imported fire ant claim. The claim for ants must be qualified to read as follows: ants (excluding fire, harvester, carpenter and pharaoh).

b. Add minimum spray intervals and a maximum single application rate on a per acre basis consistent with those specified in the acephate RED. These are: 3 days for rates up to and including 0.5 lb a.i. per acre and 7 days for rates greater than 0.5 lb a.i. per acre with the maximum rate of 1.0 lb a.i./A (not to exceed 0.75 lb a.i./A for cut flowers).

12. Make the corrections cited below to the ornamental trees and shrubs use (pages 18-20).

a. Add the appropriate minimum spray interval statement as specified in the acephate RED, wherever minimum intervals are lacking in the tables. These are: 3 days for rates up to and including 0.5 lb a.i. per acre and 7 days for rates greater than 0.5 lb a.i. per acre.

b. Add the wording "and Douglas Fir" to the Plants column so that the text reads as follows: Trees and Shrubs (except Flowering Crabapple and Douglas Fir, see below)

13. Your label contains text that appears to be mandatory but that needs to be revised to be advisory in nature. For example: The text "Do not apply to Chrysanthemums and roses with open flowers" (page 26) and "Do not apply to Huckleberry, Balm of Gilead, cottonwood, Lombardy Poplar and Viburnum suspensum." (page 18) need to be revised to read something like the following: Application to Huckleberry, Balm of Gilead, cottonwood, Lombardy Poplar and Viburnum suspensum may result in phytotoxicity." and "Application to Chrysanthemums and roses in flower may result in flower damage." or "Arysta does not recommend that application be made to roses with open flowers." Refer to PR Notice 2000-5 for guidance in revising your advisory statements.

14. Correct the golf course and sod farm turfgrass table (pages 22 and 23) as cited below.

a. Add the maximum single application rate restrictions for golf course and sod farm turfgrass as specified in the acephate RED. These are: 3.0 lbs a.i. /A for sod farms and 4.0 lbs a.i. /A for golf course.

b. Add the preharvest interval of 3 days for harvesting of sod.

c. Add the minimum spray interval of 7 days where none are now specified (for mole crickets, page 23).

15. Revise the term "Recommended" which appears as the column heading "Recommended Application" on several use tables to a more appropriate term such as the following: "Application Instructions" or "Further Use Instructions".

16. Correct the spelling of "residential" to "residual" in the outdoor wasp and perimeter spray table (page 24).

17. Correct the Outdoor Floral Crops and Ground Covers table (page 25) as specified below.

a. Add the maximum application rates on a per acre basis not to exceed 0.75 lb a.i. per acre for cut flowers and 1.0 lb a.i. per acre for all other ornamental plants.

b. Add the appropriate minimum spray interval (3 days) for the application rate for which no spray interval is now specified (2/3 lb product rate).

18. Correct the Greenhouse Floral and Foliage plant crop table as cited below.

a. Add the maximum application rates on a per acre basis not to exceed 0.75 lb a.i. per acre for cut flowers and 1.0 lb a.i. per acre for all other ornamental plants.

b. Add "commercial" to the heading so that it reads as follows: Commercial Greenhouse Floral and Foliage Plant Crops.

Confidential Statement of Formula (CSF)

Your revised basic CSF and three alternate CSFs all dated February 23, 2007 are acceptable and have been incorporated into our files for the subject product. It is understood that these CSFs replace all previously submitted CSFs for the product.

SLNs

Based on the registrant's response to the acephate RED, EPA has reregistered the use of acephate for the Special Local Need (SLN) registrations associated with this parent product, subject to the label correction for the SLN specified below. A copy of the label for each of the SLNs is attached.

Submit one copy of the corrected label for the SLN for our file. When submitting the label to the State for their comment/approval, please request the State to forward a copy of the revised SLN label (including their additions, if any) to the Agency for official confirmation of their receipt and approval (since Agency approval of the States' notification is required to finalize the action).

ID020019

Add a 7-day spray interval.

CO000003, CO000004 and UT000001

There are no label changes needed for these 3 SLNs.

If you have any questions regarding this letter, please contact Marilyn Mautz at (703) 305-6785 or via e-mail at mautz.marilyn@epa.gov.

Enclosures: Stamped label
SLN labels

cc: State Pesticide Regulatory Agencies for the States; CO, ID, and UT
(copy of Notice and SLN label)

6 7 32

ACEPHATE 75SP
Soluble Powder
Insecticide in Water Soluble Packets

KILLS FIRE ANTS

Active Ingredient	By Wt.	
Acephate (O,S-Dimethyl acetylphosphoramidothioate)		75%
Other Ingredients		25%
Total		100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
Acephate is an organophosphate, cholinesterase inhibitor.	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR 24- HOUR EMERGENCY MEDICAL ASSISTANCE CALL: 1-866-303-6952	
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300	

EPA Reg. No.66330-354

EPA Est. No. 51036-GA-1

Net Contents:

Manufactured For:
Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 27 2007
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
As amended, for the pesticide
Registered under EPA Reg. No.
66330-354

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

CAUTION

Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber and Viton. 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 for all mixers and loaders and for applicators using hand-held application equipment.

In addition, applicators using low-pressure handwand application equipment must wear:

- A NIOSH-approved respirator with any N, R, P or HE filter.

See engineering controls for additional requirements.

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, 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
 - 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:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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.

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 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.

STORAGE AND DISPOSAL

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

STORAGE: Keep pesticides in original container. Do not put concentrate or dilute into food or drink containers. Store in cool, dry place. Protect from excessive heat. Do not contaminate food or foodstuffs. Do not store or transport near feed or food.

For help with any spill, leak, fire or exposure involving this material, call Chemtrec 1-800-424-9300.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Do not reuse outer container. Dispose of outer bag in a sanitary landfill or by incineration if allowed by state and local authorities.

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.

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

For greenhouse use, use is limited to commercial greenhouses for use on ornamental. Floral and foliage plants.

Aerial applications to turf are prohibited.

Not for indoor residential use.

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.

Do not apply using low-pressure handwand equipment.

AGRICULTURAL USE REQUIREMENTS

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

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

1. Coveralls,
2. Chemical-resistant gloves made of any waterproof material, and
3. 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.

DIRECTIONS

This package contains water-soluble packets of ACEPHATE 75. Do not handle the packets with wet gloves or allow the packets to become wet prior to addition to the spray tank. If only one packet is used, close and reseal outer container to protect remaining packets.

To prepare spray solution, drop the unopened packet of ACEPHATE 75 into a spray tank containing at least one-half the desired total quantity of water. Continue to add water with the agitator running until the desired spray volume is reached. Depending on the water temperature and degree of agitation, the packet should completely dissolve in approximately 5 minutes.

SPRAY 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.

- 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 ultra (ULV) spray, or in any carrier other than water.
- Use 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.
- Apply 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 wingspan or rotor diameter.
- For ground applications, do not apply at heights greater than 4 feet.

TABLE OF EQUIVALENTS

Amount of ACEPHATE 75SP	1 1/3 lbs	1 lb	2/3 lb	4 oz	2 oz
Amount Active Contained	1 lb	3/4 lb	1/2 lb	1/5 lb	1/10 lb

COTTON

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cotton	Thrips	4 oz	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals/acre in CA, AZ) or 10 to 25 gals spray per acre by ground. Apply when eggs or insects first appear. Repeat at a minimum of 7 days to maintain control. Do not feed gin trash or treated forage to livestock. Lygus - Use higher rate for lygus adults that have migrated into cotton.	21
	Plantbugs (Lygus)	1/3 to 1 lb		
		2/3 to 1 lb (CA,AZ)		
	Fleahopper	1/2 lb		
	Cotton Aphid (excluding CA, AZ) Whitefly	2/3 to 1 1/2 lb		
	Armyworms (excluding beet armyworm) Cabbage Looper	1 1/2 lb		
	Bollworm Tobacco Budworm Adults Larvae Eggs/DEAD-HATCH	2/3 to 1 1/2 lb (East of Rockies)		
		1 1/2 lb (CA,AZ)		
Stink bugs (CA,AZ)	1 lb	Bollworm and Tobacco Budworm - Early season light infestation use 2/3 lb per acre. Mid and late season moderate to severe infestations use higher rates. Apply when eggs appear and repeat at a minimum 7-day spray interval. Adults/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. Eggs: When spray particles come in direct contact with eggs, hatching larvae may be controlled as they consume and emerge from their egg casing.		
Pink Bollworm (CA,AZ)	1 1/2 lb	Pink Bollworm - Apply when insects appear and repeat if necessary at a minimum of 7-day spray interval.	21	

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
	Cutworms (CA,AZ)	1 lb	Control measures are most effective when ground applications are made in the evenings and the spray is directed toward the lower portion and base of the plant. Apply in water at 10 to 25 gals spray per acre by ground. Aerial applications are not as effective in controlling cutworms. However, should aerial application be necessary, apply in water at 3 to 10 gals spray per acre (minimum 5 gals per acre in CA). Apply when insects first appear or damage is first noted and repeat at a minimum of 7 days if necessary to maintain control.	

COTTON TANK MIXES

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT ACEPHATE 75SP + Chlorpyrifos 4E PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cotton (CA,AZ)	Armyworms (excluding beet armyworm), Bollworms, Cabbage Looper, Cotton Aphid (excluding CA, AZ), Fleahoppers, Grasshoppers, Pink Bollworm, Plant Bugs (Lygus, Mirids), Salt Marsh Caterpillar, Thrips, Tobacco Budworm, Whitefly (excluding sweet potato whitefly)	1/3 to 1 1/3 lb + 1 to 2 pts	Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas. ACEPHATE 75SP can be mixed with Chlorpyrifos 4E 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. Apply when insects first appear or damage is first noted and repeat at a minimum of 7 days if necessary to maintain control.	21

CROP	INSECTS	AMOUNT ACEPHATE 75SP + PYDRIN 2.4EC PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cotton (except CA, AZ)	Tobacco Budworm	$\frac{2}{3}$ lb + 2 $\frac{3}{4}$ fl oz	<p>Begin applications when eggs or insects appear and apply spray at a minimum of 3 days if necessary to maintain control.</p> <p>Apply in 3 to 5 gals of water with aerial equipment or in 10 to 25 gals of water with ground equipment.</p> <p>Do not feed gin trash or treated forage to livestock.</p> <p>Do not apply more than two (2) lbs active ingredient of PYDRIN to a crop in a growing season.</p> <p>All applicable directions, restrictions and precautions on the EPA registered labels are to be followed.</p> <p>ACEPHATE 75SP can be mixed with PYDRIN 2.4EC 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.</p>	21

COTTON IN-FURROW APPLICATION

CROP	INSECTS	AMOUNT ACEPHATE A.I. PER ACRE	FURTHER USE INSTRUCTIONS
Cotton	Aphids, Thrips, Black (Greasy) Cutworm (Except CA)	0.5 to 1.0 lb active	<p>Refer to the ACEPHATE 75SP conversion chart before making product application. SEE CHART BELOW*</p> <p>Apply 0.5 to 1.0 lb active ACEPHATE in 3 to 5 gals of water per acre as an in-furrow spray.</p> <p>NOTE: For the Black Lands of Texas use only the 1.0 lb active ACEPHATE rate (21.3 oz formulated product per acre). ACEPHATE 75SP can be mixed with fungicides that are sprayed in-furrow for disease control.</p> <p>Flat-fan nozzles used for in-furrow application should be set so that the fanned spray pattern is aligned with the row to ensure good spray deposition in the seed furrow. Cone type nozzles may not provide a spray pattern that ensures 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 ensure that the tubing is properly positioned to deposit spray solution into the seed furrow.</p>

ACEPHATE 75SP CONVERSION CHART

LBS A.I. TO	OZ FORMULATED PRODUCT
0.5	10.7
0.6	12.8
0.7	14.9
0.8	17.0
0.9	19.2
1.0	21.3

FIELD CROPS

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	Minimum Spray Interval (days)	PHI
Peppermint, Spearmint	Alfalfa looper, Cutworm, Aphids	1 1/3 lbs	Initial application should be made when eggs or insects first appear using a minimum of 20 (ground) or 5 (aerial) gal of water/A. The grazing of animals on treated areas and the feeding of spent mint hay to animals are prohibited. Do not apply more than 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per season. Maximum of 2 applications per crop season.	7	14
Peanuts	Grasshoppers	1/3 to 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 insects first appear and repeat as needed to maintain control. Do not feed treated forage or hay to livestock or allow animals to graze treated areas. Do not apply more than 4.0 lbs a.i. (5 1/3 lbs product) per acre per crop cycle.	3 days for rates up to and including 0.5 lb. a.i./acre and 7 days for rates greater than 0.5 lb. a.i./acre.	14 (of digging)
	Thrips	2/3 to 1 lb			
	Corn earworms, Fall armyworms, Leafhopper, Loopers, Velvetbean Caterpillar	1 to 1 1/3 lbs			

**TOBACCO
TOBACCO TRANSPLANT WATER APPLICATION**
(Use Prohibited in CA)

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Tobacco	Flea Beetle, Green Peach Aphid, Tobacco Aphid, Cutworms, Tobacco Thrips	1 lb	<p>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 75SP.</p> <p>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.</p> <p>Apply in a minimum of 100 gals of water per acre.</p> <p>Do not apply more than 1 lb ACEPHATE 75SP per acre as a transplant water application as some phytotoxicity may occur.</p> <p>Do not apply more than 0.75 lb a.i. per acre per year.</p>

TOBACCO PLANT BED APPLICATION
(Use Prohibited in CA)

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Tobacco Bed Treatment	Flea Beetle, Green Peach Aphid, Tobacco Aphid, Cutworm	1 lb	<p>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.</p> <p>Do not apply more than 4.0 lbs a.i. (5 1/3 lbs product) per acre per crop cycle. This includes all methods of application.</p>

TOBACCO FLOATBED/GREENHOUSE APPLICATION

(Use Prohibited in CA)

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Tobacco	Cutworm, Flea beetle, Green Peach Aphid, Tobacco Aphid	1 lb	Apply to foliage at the equivalent of 1 tablespoon in 3 gals of water per every 1,000 sq ft of bed. Apply evenly to ensure thorough coverage. NOTE: Floatbed water should be disposed of in the transplanted field through the transplant water or through foliar spray. Do not apply more than 4.0 lbs a.i. (5 1/3 lbs product) per acre per crop cycle. This includes all methods of application.

TOBACCO SOIL APPLICATION

PHI (pre-harvest interval) denotes number of days to harvest.

(Use Prohibited in CA)

CROP	INSECTS	AMOUNT ACEPHATE 75SP	FURTHER USE INSTRUCTIONS	PHI
Tobacco	Imported Fire Ants	Drench Method: Mix 1 oz in 5 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. Treat maximum of 13 mounds per acre. Do not treat more than once per season. Do not apply more than 4.0 lbs a.i. (5 1/3 lbs product) per acre per crop cycle. This includes all methods of application.	3

CRANBERRIES

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	Minimum Spray Interval (days)	PHI
Cranberries	Cranberry Blossom Worm, Gypsy Moth, False Armyworm, Fireworms, Spanworms, Sparganothis	1 1/2 lbs	Application should be made using sufficient water to achieve thorough coverage (ground or sprinkler equipment) or in a minimum of 2 gal of water/A (aerial). Application should not be made from start of bloom until all berries have set. When applied via irrigation system, only sprinkler type irrigation equipment can be used. Apply in water by air, ground or with sprinklers. NOTE: Limit to one application per growing season. Do not apply more than 1.0 lb a.i. (1 1/3 lbs product) per acre per crop cycle.	N/A	90

SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES

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.

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

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, 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.

System 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 ensure the lines are flushed and free of remaining pesticide, a dye indicator may be injected into the line to mark the end of the application period. See NOTE.

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 ensure 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.

VEGETABLE CROPS

PHI (pre-harvest interval) denotes number of days to harvest.

CROPS	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	Minimum Spray Interval (Days)	PHI
Beans & Lima Beans (Dry & Succulent Forms)	Fleahoppers, Grasshoppers	1/3 to 2/3 lb	Initial application should be made when eggs or insects first appear using a minimum of 20 (ground) or 2 (aerial) gal of water/A. The feeding of treated vines to livestock is prohibited. Severe insect infestations use higher rates.	7	14 days (snap- beans or dry beans) 1 day (lima beans succu- lent forms)
	Aphids, Beanleaf Beetle, Bean Leafroller, Cabbage Looper, Cutworms, Green Cloverworm, Leafhoppers, Mexican Bean Beetle, Plantbugs (Lygus), Soybean Looper, Thrips, Whitefly	2/3 to 1 1/3 lbs			
	Armyworms, Corn Earworm, European Cornborer	1 to 1 1/3 lbs			
Brussels Sprouts, Cauliflower	Green Peach aphid	2/3 to 1 1/3 lbs	Initial application should be made when eggs or insects first appear using a minimum of 25 (ground) or 5 (aerial) gal of water/A. The feeding of treated trimmings or the grazing of livestock in treated areas is prohibited. Brussels Sprouts Only: Do not apply more than 6.0 lbs a.i. (8 lbs. product) per acre per crop cycle. Use the high rate when heavy infestations of aphids are present.	7	14
	Cabbage Looper, Diamondback Moth, Imported Cabbageworm	1 1/3 lbs			

Celery	Green Peach Aphid	$\frac{2}{3}$ to 1 $\frac{1}{2}$ lbs	<p>Initial application should be made when eggs or insects first appear using a minimum of 50 (ground) or 5 (aerial) gal of water/A.</p> <p>All celery must be trimmed (tops removed) before shipment. The use of treated tops for food/feed is prohibited.</p> <p>Do not apply more than 2.0 lbs a.i. (2 $\frac{2}{3}$ lbs product) per acre per crop cycle.</p>	7	21
	Beet & Fall Armyworm, Cabbage Looper	1 $\frac{1}{2}$ lbs			
Head Lettuce (Crisp-head Type Only)	Aster Leafhopper, Green Peach Aphid	$\frac{2}{3}$ to 1 $\frac{1}{2}$ lbs	<p>Application should be made using a minimum of 10 (ground) or 5 (aerial) gal of water/A. Applications may be made in spring, summer, and early fall in all areas; winter applications may be made in AZ, CA, FL, and TX; and late fall applications may be made in AZ. In the desert areas of AZ and CA, application should not be made after first head begins to form in crops which germinate from mid-September through November.</p> <p>The feeding of trimmings to livestock, and the grazing of animals on treated areas are prohibited.</p> <p>Maximum of 5 applications per crop season.</p> <p>Do not apply more than 5.0 lb a.i. (6 $\frac{2}{3}$ lbs product) per acre per crop cycle.</p>	7	21
	Cabbage Looper, Armyworm (excluding beet armyworm)	1 $\frac{1}{2}$ lbs			
Peppers (non bell type)	Aphids	$\frac{2}{3}$ lb	<p>Use limited to Midwestern and Eastern states and to PR. Application should be made by using a minimum of 40 gal of water/Acre with ground equipment.</p> <p>Maximum of 7 applications per crop season.</p> <p>Do not apply more than 3.5 lb a.i. (4 $\frac{2}{3}$ lbs product) per acre per crop cycle.</p>	7	7
Sweet peppers (Bell type)	Grasshoppers	$\frac{1}{3}$ to 1 $\frac{1}{2}$ lbs	<p>Initial application should be made when eggs or insects first appear using a minimum of 25 (ground), 3 (aerial), or 5 (aerial in CA) gal of water/A.</p>	7	7
	Cabbage Looper, Green Peach Aphid, Tobacco Hornworm	$\frac{2}{3}$ to 1 $\frac{1}{2}$ lbs			
	European Cornborer	1 to 1 $\frac{1}{2}$ lbs			

NON-BEARING CITRUS

PHI (pre-harvest interval) denotes number of days to harvest.

CROPS	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	Minimum Spray Interval (Days)	PHI
CITRUS (Non-bearing)	Aphids Grasshoppers Katydid Mealybugs Orangedogs Plantbugs Thrips Whiteflies (except Sweetpotato/ Silverleaf)	1 ½ lbs	Initial spray application should be made to individual juvenile or non-bearing trees when eggs or insects first appear using a minimum of 100 gal of water/A by ground equipment. The grazing of livestock on treated areas and the harvesting of citrus fruits for one year after treatment are prohibited.	7	N/A
		5 ½ lbs	Use limited to FL. Application should be made to individual juvenile or non-bearing trees using a minimum of 100 gal of water/A by ground equipment. The grazing of livestock on treated areas and the harvesting of citrus fruits for one year after treatment are prohibited.		
		Mound Treatment Ground 0.75 oz a.i. product/5 gal of water [1 gal of finished spray/mound- drench method)	Finished spray should be applied until the mound is wet and to an area 4 ft in diameter around the mound. The grazing of livestock on treated area and the harvesting of citrus fruits for one year after treatment are prohibited.	N/A	

SPECIALTY USES

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Non-crop Areas (field borders, fencerows, roadsides, ditch banks and borrow pits)	Grass- hoppers	1/2 lb (0.25 lb active ingredient)	Application should be made using a minimum of 10 (ground), 1 (aerial), or 5 (aerial in CA) gal of water/A. The grazing or feeding of vegetation cut from treated areas is prohibited. For early to mid-season application to grasshoppers in field borders, fencerows, roadsides, ditch banks, and borrow pits.
Non-Crop Areas (field borders, fencerows, roadsides, ditch banks and borrow pits)	Imported Fire Ants	Mound Treatment- Drench Method: Mix 1oz in 5 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.	The grazing or feeding of vegetation cut from treated area is prohibited. 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 mound more than once per season.

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
Container Grown Nursery Stock (Arborvitae, Azalea, Camelia, Rhododendron, Roses, Viburnum, Yew)	Black Vine Weevil, Straw- berry Root Weevil	1 lb	Drench application of liquid formulation 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 of ACEPHATE 75SP per 100 gals of solution so as to thoroughly drench the root system.
	Imported Fire Ants	3/4 lb	Apply as needed to control the pest.	

SMALL SPRAY EQUIPMENT

PREPARATION OF ACEPHATE SPRAY MIX USING A 16 OZ MEASURING CUP

LABEL RECOMMENDATION ACEPHATE 75SP IN 100 GALS WATER	EQUIVALENT ACEPHATE 75SP IN 20 GALS WATER*	EQUIVALENT ACEPHATE 75SP IN GAL WATER (TSP/GAL)
1/3 lb	1.1 oz	1/2
2/3 lb	2.1 oz	1
1 lb	3.2 oz	1 1/2
1 1/3 lb	4.3 oz	2

*Use in 16 oz measuring cup

ORNAMENTAL TREES & SHRUBS

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	Minimum Spray Interval (Days)	RECOMMENDED APPLICATION
Trees and Shrubs (except Flowering Crabapple, see below)	Aphids, Bagworms, Birch Leaf- miner, Tent Cater- pillar*, Lace Bugs, Leafrollers	1/3 lb (5.3 oz)	As the insects or damage first appear.	14	Apply the specified amount of ACEPHATE 75SP in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae. Do not apply by low-pressure handwand.
	Douglas Fir Tussock, Moth Larvae, Gypsy Moth Larvae*, Webworms	2/3 lbs (10.5 oz)	As insects begin to appear.		*Mist blower application. Adjust rates to 1 1/3 lbs per 100 gals water for Gypsy Moth control and 1 lb per 100 gals water for Tent Caterpillar control.
	Scales (Crawlers)	2/3 lbs (10.5 oz)	As crawlers begin to appear. Repeat applications, at a 2 week or more interval, may be necessary where there is continuous crawler production.		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.

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	Minimum Spray Interval (Days)	RECOMMENDED APPLICATION
	Ponderosa Pine Needle Miner	$\frac{2}{3}$ lbs (10.5 oz)	Time of application is important. Consult your Farm Advisor or County Extension Agent.		Apply the specified amount of ACEPHATE 75SP in 100 gals. water with a hydraulic sprayer as a full coverage spray
	Grasshoppers	$\frac{2}{3}$ lbs (10.5 oz)	As the grass- hoppers begin to appear		
	California Oakworm, Cankerworms (Spring & Fall)	$\frac{1}{3}$ - $\frac{2}{3}$ lbs (5.3 - 10.5 oz)	As the insects begin to appear. Use the higher amount when the larger larvae are present.		Apply the specified amount of ACEPHATE 75SP in 100 gals. water with a hydraulic sprayer.
	Nantucket Pine Tip Moth Larvae	1 lbs (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 lbs (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.		Apply the specified amount of ACEPHATE 75SP in 100 gals water with a hydraulic sprayer as a full coverage spray.

PLANTS	INSECTS	AMOUNT ACEPHAT E 75SP PER 100 GALS	TIME OF APPLICATION	Minimum Spray Interval (Days)	RECOMMENDED APPLICATION
	Box Elder Bugs, Sawflies, Budworms, Leaf- hoppers	1 lbs (16 oz)	As the insects begin to appear.		Apply the specified amount of ACEPHATE 75SP in 100 gals water with a hydraulic sprayer as a full coverage spray.
	Japanese Beetle	1 ½ lbs (21.3 oz)	As the Japanese Beetles begin to appear. Repeat applications, at 2 week intervals, may be necessary.		Refer to directions on previous page.
	Elm Leaf Beetle (larvae)	1 ½ lb (21.3 oz)	As the larvae begin to appear. ACEPHATE will not prevent Elm Leaf Beetle eggs from hatching.		
Douglas Fir, Christmas Trees	Douglas Fir Needle Midge	¾ lb (10.5 oz)	Application should be made no more than 2 weeks prior to bud burst. For additional pest management information, consult your county extension service.	N/A	Application should be made no more than 2 weeks prior to bud burst using a minimum of 100 (ground) or 2 (aerial) gal of water/A. Do not apply by low-pressure handwand. Maximum of 1 application per crop season. Do not apply more than 2/3 lb product per acre per crop cycle.

PLANTS	INSECTS	AMOUNT ACEPHAT E 75SP PER 100 GALS	TIME OF APPLICATION	Minimum Spray Interval (Days)	RECOMMENDED APPLICATION
Flowering Crabapples	Aphids, Tent Caterpillars, Leafrollers	1/3 lb (5.3 oz)	As the insects begin to appear.	28	<p>Apply the specified amount of ACEPHATE 75SP in 100 gals. water with a hydraulic sprayer.</p> <p>Do not apply more often than 3 times in a growing season.</p> <p>Note: Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.</p> <p>Do not apply by low pressure handwand.</p>
Crepe Myrtle	Aphids	3 to 4 level Tbs (0.8-1.1 oz) per 1 gallon of water	As aphids begin to appear.	N/A	<p>Make a paint-on slurry to the trunk in a band 6-12 inches above the ground by mixing the specified amount of ACEPHATE 75SP with 1 Tablespoon of water. Remove the loose bark from the trunk areas to be treated.</p> <p>Completely paint a band around each trunk to a width twice its diameter. Application should be made 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.</p>

GOLF COURSE AND SOD FARM TURFGRASS

DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

Aerial applications to turf are prohibited.

NOT FOR USE ON RESIDENTIAL LAWNS.

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 1,000 SQ. FT	TIME OF APPLICATION	RECOMMENDED APPLICATION
Golf Course and Sod Farm Turfgrass	Fall Armyworm, Yellow Striped Armyworm, Southern Armyworm	½ to 1.2 oz (1 ¼ to 3 ¼ lbs per acre)	As the insects appear. A repeat application at 2 week intervals may be necessary.	Apply the specified amount of ACEPHATE 75SP 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 ¼ to 5 ¼ lbs per acre)		
	Chinch bugs	1.2 to 1.9 oz (3 ¼ to 5 ¼ lbs per acre)	Apply as needed for adult population knockdown (10 to 14 days)	Apply the specified amount of ACEPHATE 75SP per 1,000 sq ft. Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.
	Sod Webworm (Crambus spp)	½ to 1 oz (1 ½ to 2 ¾ 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.	Apply the specified amount of ACEPHATE 75SP per 1,000 sq ft. Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.
	Leaf hopper	1 oz (2 ¾ lbs per acre)	As the leafhoppers begin to appear. A repeat application at 1 week intervals may be necessary.	Apply the specified amount of ACEPHATE 75SP per 1,000 sq ft. Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 1,000 SQ FT	TIME OF APPLICATION	RECOMMENDED APPLICATION
	Mole Crickets (Except CA)	1.0 to 1.9 oz (2¾ - 5¼ 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 75SP 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 75SP. The following lemon-scented products have been shown to be effective flushing agents. Lemon Joy, Lemon Palmolive and Might Myrt Products Manufacturer-Base Pure Lemon Fragrance. The use rate for these lemon-scented products is 2 teaspoons per gallon of water for small total mix volumes or 6 fl oz per 50 gals of water for a large total mix volume.
	Greenbug (Schizaphis graminun), Grass-hoppers	½ oz (1 ½ lbs per acre)	Apply when insects or their damage first appear. Repeat as necessary. Application is not to be repeated at more than 1 week intervals.	Apply the specified amount of ACEPHATE 75SP per 1,000 sq ft. Use 4 to 15 gals water per 1,000 sq ft to obtain good coverage. Do not mow turfgrass for at least 24 hours after application.
Dichondra (Plant Site for Golf Course and Sod Farm Turfgrass)	Cutworm, Flea Beetle, Southern Armyworm, Yellow Striped Armyworm	1.0 to 1.9 oz (2¾ to 5¼ lbs per acre)	As the insects appear. Repeat at 2 week intervals as necessary.	Apply the specified amount of ACEPHATE 75SP per 1,000 sq ft. Use a minimum of 15 gals water per 1,000 sq ft to obtain good coverage.

MOUND TREATMENT OF FIRE ANTS IN TURFGRASS

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turfgrass Residential, Recreation al, and Commercial Turf	Imported Fire Ants	Mound Treatment - Drench Method: Mix 1 oz in 5 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 75SP as directed. Grass in treated areas may be injured. Do not treat mound more than once per season.

OUTDOOR WASP AND PERIMETER SPRAY

The use of low-pressure handwand equipment for perimeter or wasp treatments is prohibited.
Not for use in residential lawns.

LOCATION	INSECTS	AMOUNT ACEPHATE 75SP PER GALLON	TIME OF APPLICATION	RECOMMENDED APPLICATION
Outdoor wasp and perimeter area	Wasps	1.6 oz (0.10 lb) Mix 1/3 lb. package 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 75SP 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 pharaoh ants), Pillbugs, Earwigs (Perimeter treatment)	1.6 oz (0.10 lb) Mix 1/3 lb. package in 3.3 gals. Of water	As the insects appear	Apply specified amount of ACEPHATE 75SP 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 residential 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

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
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 may be necessary.	Apply the specified amount of ACEPHATE 75SP 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.
Roses, Boston Ivy	Japanese Beetle	1 $\frac{1}{2}$ lbs (21.3 oz)	As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary	

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
Roses	Leafrollers	$\frac{2}{3}$ to 1 lb (10.5 to 16 oz)	As leafrollers begin to appear. Use the higher amount when the large larvae are present.	Apply the specified amount of ACEPHATE 75SP in 100 gals water with a hydraulic sprayer as a full coverage spray.
Foliage Plants, Orchids, Anthuriums, Cacti, Poinsettia	Aphids	$\frac{1}{3}$ lb (5.3 oz)	As aphids begin to appear.	Apply the specified amount of ACEPHATE 75SP 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. Note: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus
	Mealybugs, Thrips, Whiteflies	$\frac{2}{3}$ lb (10.5 oz)	As the insects begin to appear. A repeat application, at a 2 week interval, may be necessary for control of mealybugs and whiteflies.	

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
	Scales (crawlers)	$\frac{2}{3}$ lb (10.5 oz)	As crawlers begin to appear. Repeat applications, at a 2-week or more interval, may be necessary where there is continuous crawler production.	
	Sweet Potato Whiteflies, (except CA and NY)	$\frac{1}{3}$ lb (5.3 oz) plus 10 $\frac{2}{3}$ fl oz (0.2 lb ai) TAME 2.4 EC Spray	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 sweet potato whitefly control, apply the specified amounts of ACEPHATE 75SP 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 and TAME alone and the rotation instructions to avoid potential resistance.
Roses, Carnations, Chrysanthemums	Aphids, Thrips	$\frac{2}{3}$ lb (10.5 oz)	As aphids begin to appear. As thrips begin to appear or at the right flower bud stage. Repeat applications may be necessary.	Apply the specified amount of ACEPHATE 75SP in 100 gals water with a hydraulic sprayer as a full coverage spray. Do not apply more often than once every 28 days to Carnations and Chrysanthemums. Note: 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 to Chrysanthemums and Roses with open flowers.

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 fluffy nature this material is inclined to settle.

CONDITIONS OF SALE

1. It is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America Corporation ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.
2. Arysta 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 described above, when used in accordance with the Directions for Use under normal conditions.
3. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**
4. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.**

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