

51036-236

12/31/2001

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ACEPHATE 75SP

Soluble Powder
Insecticide

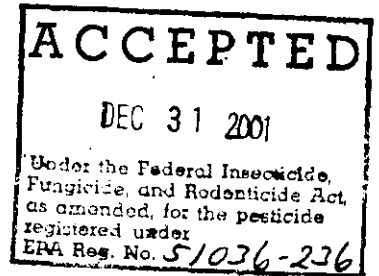
KILLS FIRE ANTS

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT



Acephate is an organophosphate, cholinesterase inhibitor.

IF SWALLOWED: Drink 1 to 2 glasses of water (or milk) and induce vomiting by touching the back of the throat with finger. If possible, contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center.

IN CASE OF EYE CONTACT: Wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor.

FOR SKIN CONTACT: Wash skin with plenty of soap and water.

IF INHALED: Remove person from exposure area.

Note to Physicians: 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.

EPA Reg. No. 51036-236

EPA Est. No. 51036-GA-1

Manufactured By:
MICRO FLO COMPANY LLC
P.O. BOX 772099
MEMPHIS, TN 38117

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & 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. Do not allow children or pets to come into contact with treated areas until sprays have dried.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Waterproof gloves

Shoes plus socks

Chemical-resistant headgear for overhead exposure

Mixers and Loaders must wear:

Long-sleeved shirt and long pants

Waterproof gloves

Shoes plus socks

Chemical-resistant headgear

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

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

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE: Keep 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: Completely empty canister into application equipment. Do not reuse container. Dispose of empty canister in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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

AGRICULTURAL USE REQUIREMENTS

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

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

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

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. For other uses, including golf courses and other non-agricultural areas, do not enter treated areas without protective clothing until sprays have dried.

DIRECTIONS

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.

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

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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.	21
	Plantbugs (Lygus)	1/3 to 1 1/3 lbs 2/3 to 1 1/3 lbs (CA,AZ)	Apply when eggs or insects first appear. Repeat as necessary to maintain control.	
	Flea- hopper	1/3 lb.	Do not feed gin trash to livestock or allow animals to graze on treated areas.	
	Cotton Aphid (excluding CA, AZ) Whitefly	2/3 to 1 1/3 lbs	Do not apply more than 6.0 lbs. a.i. (8 lbs. product) per acre per crop cycle.	
	Armyworms (excluding beet armyworm) Cabbage Looper	1 1/3 lbs	Lygus - Use higher rate for lygus adults that have migrated into cotton.	
	Bollworm Tobacco Budworm Adults Larvae Eggs/DEAD- HATCH	2/3 to 1 1/3 lbs (E. of Rockies) 1 1/3 lbs (CA,AZ)	Bollworm and Tobacco Budworm - Early season light infestation use 2/3 lb. per acre. Mid and late season moderate to severe infestations use 1 to 1 1/3 lbs. per acre. Apply when eggs appear and repeat at 3 to 7 day spray interval.	
	Stink bugs (CA,AZ)	1 lb.	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. Do not apply more than 6.0 lbs. a.i. (8 lbs. product) per acre per crop cycle.	

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CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cotton(continu ed)	Pink Bollworm (CA, AZ)	1 1/3 lbs	<p>Pink Bollworm - Apply when insects appear and repeat at a 5 to 7 day spray interval.</p> <p>Do not apply more than 6.0 lbs. a.i. (8 lbs. product) per acre per crop cycle.</p>	21
	Cutworms (CA, AZ)	1 lb. per acre.	<p>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 to maintain control.</p> <p>Do not apply more than 6.0 lbs. a.i. (8 lbs. product) per acre per crop cycle.</p>	

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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), Fleahopper, Grasshoppers, Pink Bollworm, Plant Bugs (Lygus, Mirids), Salt Marsh Caterpillar, Thrips, Tobacco Budworm, Whitefly (excluding sweet potato whitefly)	1/3 to 1 1/3 lbs. + 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. Do not apply more than 6.0 lbs. a.i. of Acephate 75SP (8 lbs. product) per acre per crop cycle.	21

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CROP	INSECTS	AMOUNT ACEPHATE 75SP + PYDRIN 2.4EC PER ACRE	FURTHER USE INSTRUCTIONS	DAYS TO HAR- VEST
Cotton (except CA, AZ)	Tobacco Budworm	2/3 lb. + 2 2/3 fl. oz.	<p>Begin applications when eggs or insects appear and apply as needed 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 to livestock or allow animals to graze treated areas.</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> <p>Do not apply more than 6.0 lbs. a.i. of Acephate 75SP (8 lbs. product) per acre per crop cycle.</p>	21

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COTTON SEED HOPPER BOX TREATMENT
(EXCEPT AZ, CA AND THE BLACK LANDS OF TEXAS)

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Cotton	Thrips, Cotton Aphids, Black (Greasy) Cutworm	3 to 4 oz.	<p>Apply 3 to 4 oz. ACEPHATE 75SP per acre in the planter box as a dry powder. Even coverage is required for acceptable insect control. To obtain even coverage, fill planter box 1/2 full of seed, add the proper amount of ACEPHATE 75SP and mix thoroughly with a stick. Add the remainder of the seed to the planter box and the additional required amount of ACEPHATE 75SP followed by thorough mixing. For improved mixing, premix seed with ACEPHATE 75SP in a suitable container, then pour treated seed into planter box. Loss of ACEPHATE 75SP will occur if air planters are used. Plants grown from improperly covered seed will not exhibit insect control. Do not use treated seed for food or feed purposes or process for oil.</p> <p>Do not apply more than 6.0 lbs. a.i. (8 lbs. product) per acre per crop cycle.</p>

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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.</p> <p>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 Blacklands 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> <p>Do not apply more than 6.0 lbs. a.i. (8 lbs. product) per acre per crop cycle.</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	PHI
Pepper- mint, Spear- mint	Alfalfa looper, Cutworm, Aphids	1 1/3 lbs	Apply in water at 5 to 10 gals. spray per acre by air or 20 to 100 gals. spray per acre by ground. Apply when eggs or insects first appear. Make one repeat application, if necessary, to maintain control. Do not apply more than 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per season. Do not use spent mint hay for feed for dairy animals.	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.	14 (of digg ing)
	Thrips	2/3 to 1 lb.	Do not apply more than 4.0 lbs. a.i. (5 1/3 lbs. product) per acre per crop cycle.	
	Corn earworms, Fall armyworms, Leafhopper, Loopers, Velvetbean Caterpillar	1 to 1 1/3 lbs.		

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TOBACCO
TOBACCO TRANSPLANT WATER APPLICATION (EXCEPT CA)

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Tobacco	Flea Beetle, Green Peach Aphid, Tobacco Aphid, Cutworms Tobacco Thrips	1 lb.	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. Apply in a minimum of 100 gals. of water per acre. Do not apply more than 1 lb. ACEPHATE 75SP per acre as a transplant water application as some phytotoxicity may occur. Do not apply more than 4.0 lbs. a.i. (5 1/3 lbs. product) per acre per crop cycle.

TOBACCO FOLIAR APPLICATION (EXCEPT CA)
PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Tobacco (Flue-Cured, Air Cured, Dark Fire Cured)	Grasshoppers	1/3 to 2/3 lb.	Apply in 10 to 50 gals. water per acre with ground equipment or a minimum of 3 gals. per acre by air.	3
	Green Peach Aphid, Flea Beetle, Hornworm, Tobacco Thrips	2/3 lb.	Apply on a 7 day schedule or as needed.	
	Tobacco Aphid, Vegetable Weevils, Stinkbugs	2/3 to 1 lb.	Do not apply more than 4.0 lbs. a.i. (5 1/3 lbs. product) per acre per crop cycle.	
	Budworm, Cabbage Looper, Cutworm	1 lb.		

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TOBACCO PLANT BED APPLICATION (EXCEPT CA)

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

GREENHOUSE APPLICATION (EXCEPT 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.

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TOBACCO SOIL APPLICATION (EXCEPT CA)

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

CROP	INSECTS	AMOUNT ACEPHATE 75SP	FURTHER USE INSTRUCTIONS	PHI
Tobacco	Imported Fire Ants	<p>Mound Treatment Dry Method: Evenly distribute 1 to 2 teaspoons over the mound.</p> <p>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.</p>	<p>For best results apply the material in the early morning or late afternoon when the ants are most active.</p> <p>Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.</p> <p>Treat maximum of 13 mounds per acre.</p> <p>Do not treat more than once per season.</p> <p>Do not apply more than 4.0 lbs. a.i. (5 1/3 lbs. product) per acre per crop cycle.</p>	3

FRUIT CROPS

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

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cranberries	Cranberry Blossom Worm, Gypsy Moth, False Armyworm, Fireworms, Spanworms, Sparganothis	1 1/3 lbs.	<p>Apply in water by air, ground or with sprinklers.</p> <p>Use a minimum of 2 gals. spray per acre by air. Use sufficient water to give thorough coverage with ground or sprinkler equipment.</p> <p>NOTE: Limit to one application per growing season.</p> <p>Do not apply from start of bloom until all berries set.</p> <p>Do not apply more than 1.0 lb. a.i. (1 1/3 lbs. product) per acre per crop cycle.</p>	90

SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES

This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move. Do not

apply this product through any other type of irrigation system.

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

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

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

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

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

The pesticide injection pipeline must contain a functional, 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

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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	PHI
Beans & Lima Beans (Dry & succulent Forms)	Fleahoppers, Grasshoppers	1/3 to 2/3 lb.	Apply in water at a minimum of 2 gals. spray per acre by air; 20 to 100 gals. spray per acre by ground. Apply when eggs or insects first appear. Repeat at 7 to 10 day intervals as necessary. Severe insect infestations, use higher rates. Do not feed treated vines to livestock.	14 (snap-beans or dry beans) 0 (lima beans succulent forms)
Beans (continued)	Aphids, Beanleaf Beetle, Bean Leafroller, Cabbage Looper, Cutworms, Green Cloverworm, Leafhoppers, Mexican Bean Beetle, Plantbugs (Lygus), Soybean Looper, Thrips,	2/3 to 1 1/3 lbs.	Do not apply more than 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per crop cycle.	14 (snap-beans or dry beans) 0 (lima beans succulent forms)

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CROPS	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
	Whitefly			
	Armyworms, Corn Earworm, European Cornborer	1 to 1 1/3 lbs.		
Brussels Sprouts, Cauli- flower	Green Peach aphid	2/3 to 1 1/3 lbs.	Apply in water at 25 to 150 gals. spray per acre by ground or a minimum of 5 gals. spray per acre by air. Use the high rate when heavy infestations of aphids are present. Begin applications when insects or eggs first appear. Repeat application as needed. Do not feed trimmings to livestock or allow animals to graze in treated areas.	14
	Cabbage Looper, Diamondback Moth, Imported Cabbageworm	1 1/3 lbs.	Do not apply more than 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per crop cycle.	
Celery	Green Peach Aphid	2/3 to 1 1/3 lbs.	Apply in water at 50 to 100 gals. spray per acre by ground or in a minimum of 5 gals. per acre by air. Apply when eggs or insects appear and repeat at 3 to 10 day intervals as necessary to maintain control. Trim plants (tops removed) before shipment or use. Do not use trimming (tops) for food or feed.	21
	Beet & Fall Armyworm, Cabbage Looper	1 1/3 lbs.	Do not apply more than 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per crop cycle.	
Head Lettuce (Crisp- head Type Only)	Aster Leafhopper, Green Peach Aphid	2/3 to 1 1/3 lbs.	Apply in water at 5 to 10 gals. spray per acre by air or 10 to 60 gals. spray per acre (broadcast) by ground. Apply as necessary to maintain desired control. Do not apply after first head begins to form to crops which germinate from mid-September through	21 Spring Summer and early Fall crops in all areas and winter

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CROPS	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS	PHI
	Cabbage Looper, Armyworm (excluding beet armyworm)	1 1/3 lbs.	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 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per crop cycle.	crops in FL and TX, late fall crops in AZ and CA.
Peppers (non bell type)	Aphids	2/3 lb.	For use in Midwestern, Eastern states and Puerto Rico only. Apply in water at 40 to 150 gals. spray per acre with ground equipment. Repeat at 7 to 10 day intervals as necessary. Do not apply more than 1.0 lb. a.i. (1 1/3 lbs. product per acre per crop cycle.	7
Sweet peppers (Bell type)	Grasshoppers	1/3 to 2/3 lb.	Apply in water at a minimum of 3 gals. spray per acre by air or 25 to 150 gals. spray per acre by ground. Apply when eggs or insects appear. Repeat as necessary until insects have been reduced below economic numbers.	7
	Cabbage Looper, Green Peach Aphid, Tobacco Hornworm	2/3 to 1 1/3 lbs.	Do not apply more than 2.0 lbs. a.i. (2 2/3 lbs. product) per acre per crop cycle.	
	European Cornborer	1 to 1 1/3 lbs.		

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SPECIALTY USES

CROP	INSECTS	AMOUNT ACEPHATE 75SP PER ACRE	FURTHER USE INSTRUCTIONS
Non-crop Areas (field borders, fencerows, roadsides, ditchbanks and borrow pits)	Grass-hoppers	1/3 lb. (.25 lb. active ingredient)	For early to mid-season application to grasshoppers in field borders, fencerows, roadsides, ditchbanks, and borrow pits. Apply in 1 to 5 gals. of water by air, or in 10 to 20 gals. of water with ground equipment. Use the higher volumes when spraying heavier foliage. Do not graze or feed vegetation cut from treated areas.
Non-Crop Areas	Imported Fire Ants	Mound Treatment- Dry Method: Evenly distribute 1 to 2 teaspoons over the mound. 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. 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, 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 of ACEPHATE 75SP per 100 gals. of solution so as to thoroughly drench the root system.
	Imported Fire Ants	1 lb.	Apply as needed to control the pest.	

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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

TREES & SHRUBS

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Trees and Shrubs (except Flowering Crab- apple, see below)	Aphids, Bagworms, Birch Leaf- miner, Tent Cater- pillar,* Lace Bugs, Leaf- rollers	1/3 lb (5.3 oz)	As the insects begin to appear.	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.
	Douglas Fir Tussock, Moth Larvae, Gypsy Moth Larvae*, Webworms	2/3 lb (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 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.	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.
Trees and	Ponderosa	2/3 lb	Time of	Apply the specified

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PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Shrubs (contin ued)	Pine Needle Miner	(10.5 oz)	application is important. Consult your Farm Advisor or County Extension Agent.	amount of ACEPHATE 75SP in 100 gals. water with a hydraulic sprayer as a full coverage spray
	Grass- hoppers	2/3 lb (10.5 oz)	As the grass- hoppers begin to appear	
	Calif- ornia Oakworm, Canker- worms (Spring & Fall)	1/3 - 2/3 lb (5.3 to 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.
	Nant- ucket 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.	Apply the specified amount of ACEPHATE 75SP in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Box Elder Bugs, Sawflies, Budworms, Leaf- hoppers	1 lb (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.
Trees and Shrubs (contin ued)	Japanese Beetle	1 1/3 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	1 1/3 lb (21.3 oz)	As the larvae begin to appear.	

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
	(larvae)		ACEPHATE will not prevent Elm Leaf Beetle eggs from hatching.	
Douglas Fir, Christmas Trees	Douglas Fir Needle Midge	2/3 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.	Apply the specified amount of ACEPHATE 75SP in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.
Flowering Crab-apples	Aphids, Tent Caterpillars, Leaf-rollers	1/3 lb (5.3 oz)	As the insects begin to appear.	<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 at a 4 week interval.</p> <p>Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.</p>
Crepe Myrtle	Aphids	3 to 4 level Tbs. (0.8-1.1 oz) per 1 Tbs. of water.	As aphids begin to appear.	<p>Make a paint-on slurry by mixing the specified amount of ACEPHATE 75SP with 1 Tablespoon 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 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>

COMMERCIAL TURFGRASS (Golf Course Turf, Sod Farm Turf and Fire Ant Spot and Mound Treatment Only) AND OTHER RECREATIONAL TURFGRASS AREAS. DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

→NOT FOR USE ON RESIDENTIAL LAWNS

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 1,000 SQ FT	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turf-grass (Commercial)	Fall Armyworm, Yellow Striped Armyworm, Southern Armyworm	1/2 to 1.2 oz. (1 1/3 to 3 1/4 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 2.4 oz (3 1/4 to 6 2/3 lbs per acre)		
Turf-grass (continued)	Chinch bugs	1.2 to 2.4 oz (3 1/4 to 6 2/3 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.
	Fleas	1.2 to 2.4 oz	Apply as needed for knockdown (7 to 10 days) only of existing adult populations.	
	Sod Webworm (Crambus spp)	1/2 to 1 oz (1 1/3 to 2 3/4 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 3/4 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.
	Mole Crickets (Except	1.0 to 1.9 oz (2.66-5.2 lbs	As mole crickets begin to appear. For knockdown of	Apply the specified amount of ACEPHATE 75SP per 1,000 sq ft.

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PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 1,000 SQ FT	TIME OF APPLICATION	RECOMMENDED APPLICATION
	CA)	per acre)	existing populations, more than one application may be required throughout the growing season. For heavy infestations, use the higher dosage rate.	Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.
Turf-grass (continued)	Mole Crickets (Except CA) (continued)	1.0 to 1.9 oz (2.66-5.2 lbs per acre)	Refer to directions on previous page.	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 graminum), Grass-hoppers	1/2 oz (1 1/3 lbs per acre)	Apply when insects or their damage first appears. Repeat as necessary. Application is not to be repeated at more than 1 week intervals.	Apply the specified amount of ACEPHATE 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.

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PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 1,000 SQ FT	TIME OF APPLICATION	RECOMMENDED APPLICATION
Dichon-dra	Cutworm, Flea Beetle, Southern Armyworm, Yellow Striped Armyworm	1.0 to 1.9 oz (2.7 to 5.2 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.

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turf-grass	Imported Fire Ant	Mound Treatment - Dry Method: Evenly distribute 1 to 2 teaspoons over the mound. 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

LOCATION	INSECTS	AMOUNT ACEPHATE 75SP PER GALLON	TIME OF APPLICATION	RECOMMENDED APPLICATION
Outdoor wasp and peri-meter area	Wasps	1/6 oz. (0.10 lbs.)	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.
Outdoor wasp and peri-meter area (continued)	Cock-roaches, Ants, Pillbugs, Earwigs (Peri-meter treatment)	1.6 oz. (0.10 lbs.)	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,

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LOCATION	INSECTS	AMOUNT ACEPHATE 75SP PER GALLON	TIME OF APPLICATION	RECOMMENDED APPLICATION
				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, Gyssophila, Pachysandra, Peony, Roses, Sedum, Statice, Strawflower, Yarrow, Zinnia	Aphids, Thrips, Lygus,	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 1/3 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	Leaf-rollers	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,	Aphids	1/3 lb (5.3 oz)	As aphids begin to appear.	Apply the specified amount of ACEPHATE 75SP in 100 gals

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PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
Orchids Anthuriums, Cacti, Poinsettia				<p>water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage.</p> <p>Caution: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus triangularis, Fittonia verschaffeltii, Maranta leuconeura kerchoveana, Pachystachya lutea, Plectranthus australis, Polypodium aureus, Polystichum, Pteris ensiformis, Tolmiea menziesii. Before treating large plantings spray only a few plants and observe 2 weeks for varietal phytotoxicity. Applications of ACEPHATE SC on Poinsettias after bract formation may result in phytotoxicity on certain varieties.</p>
	Mealybugs, Thrips, Whiteflies	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.	
Foliage plants, (continued)	Scales (crawlers)	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.	Refer to directions on previous page.
	Sweet Potato Whiteflies, (except CA and NY)	1/3 lb (5.3 oz) plus TAME 2.4 EC Spray 10 2/3 fl oz (0.2 lb)	Apply when insects first appear. If a population is well established, make one	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

PLANTS	INSECTS	AMOUNT ACEPHATE 75SP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
		ai)	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.	instructions on the alternation of TAME plus ACEPHATE and TAME alone and the rotation instructions to avoid potential resistance.
Roses, Carnations, Chrysanthemums	Aphids, Thrips	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.
Roses, etc. (continued)	Aphids, Thrips	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.	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 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.

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