

Please read instructions on reverse before completing form.

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



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
 246237

Application for Pesticide - Section I

1. Company/Product Number Micro Flo Co. / 51036-236	2. EPA Product Manager William Jacobs	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Micro Flo Co. / Acephate 75SP.	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Micro Flo Company P.O. Box 5948 Lakeland, FL 33807 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

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

NOTIFICATION
 FEB 10 1997

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

Notification of WSP as outlined in PR Notice 94-8.
 Chemical and/or trade names of WSP film and ink: See attached sheet.
 Notification of alternate brand name: Acephate 75 Soluble.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
		5#	5 - 1#		
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 5#		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Lee Tharrington	Title Registrations Assistant	Telephone No. (Include Area Code) (941) 547-3608
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Assistant	
4. Typed Name Lee Tharrington	5. Date 1/14/97	

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MICRO ↓ FLO
THE PLANT HEALTH AND PROTECTION COMPANY

PO Box 5948
Lakeland FL 33807 5948
Ph (941) 647 3608
Fax (941) 647 3412

Box 190
Sparks, Georgia 31647
(912) 549 8245

January 14, 1997

Certified Mail # Z 751 624 174

William Jacobs (Acting PM 14)
Registration Division
Office of Pesticide Programs
U S EPA
401 M Street SW
Washington, DC 20460

Re Acephate 75SP
EPA Reg No 51036-236

Dear Mr Jacobs

The enclosed submission is Micro Flo Company's notification of water soluble packaging (WSP) for our Acephate 75SP (EPA Reg No 51036-236) as outlined in PR Notice 94 8 Also, we are notifying of an alternate brand name Acephate 75 Soluble Since the directions for "Cotton Seed Hopper Box Treatment", "Tobacco Soil Application" (imported fire ants), and "Pasture, Rangeland, Wasteland" (imported fire ants) as found on the master label for this product do not apply for water soluble packaging, they have been deleted from this draft In addition, this draft only includes directions for agricultural uses as we have split the master label for marketing purposes All text to be added is shown in bold Please contact us with any questions regarding this submission

Sincerely,



Lee Tharrington
Registrations Assistant

Micro Flo Company Notification of WSP for Acephate 75SP:

Chemical and/or trade names and/or trade names and supplier's name and address of WSP film and ink:

Film: KA Grade water soluble film (polyvinl alcohol) CAS# 9002-89-5 Supplier: Mitsui Plastics, Inc. White Plains, NY

Ink: Norwood Blue (aqueous ink) CAS# unknown Supplier: Sun Chemical Carlstadt, NJ

ACEPHATE 75 SOLUBLE

INSECTICIDE IN WATER SOLUBLE PACKETS

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

NOTIFICATION
FEB 10 1997

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 CO
P O BOX 5948
LAKELAND, FL 33807

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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. Applications may adversely affect birds in rangeland treatment areas. Do not apply directly to water, to areas where surface water is present or to intertidal

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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.

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

This package contains five water soluble packets of ACEPHATE 75 SOLUBLE. 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 SOLUBLE 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

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the water temperature and degree of agitation the packet should completely dissolve in approximately 5 minutes.

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 75 SOLUBLE	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 75 SOLUBLE 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 as necessary to maintain control. Do not feed gin trash to livestock or allow animals to graze on treated areas. Lygus - Use higher rate for lygus adults that have migrated into cotton. 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.	21
	Plantbugs (Lygus)	1/3 to 1 1/3 lbs 2/3 to 1 1/3 lbs (CA, AZ)		
	Flea-hopper	1/3 lb.		
	Cotton Aphid (excluding CA, AZ) Whitefly	2/3 to 1 1/3 lbs		
	Armyworms (excluding beet armyworm) Cabbage Looper	1 1/3 lbs		
	Bollworm Tobacco Budworm Adults Larvae Eggs/DEAD-HATCH	2/3 to 1 1/3 lbs (E. of Rockies) 1 1/3 lbs (CA, AZ)		

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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.
Pink Bollworm (CA,AZ)	1 1/3 lbs	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 - Apply when insects appear and repeat at a 5 to 7 day spray interval.

COTTON TANK MIXES

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

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE + 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 75 Soluble 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.	21

Cutworms	1 lb. per acre.	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.
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CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE + 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 75 Soluble 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 75 SOLUBLE 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 75 SOLUBLE 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 75 SOLUBLE 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 75 SOLUBLE PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Peppermint, Spearmint	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 2/3 lbs. 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 diggin g)
	Thrips	2/3 to 1 lb.		
	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 75 SOLUBLE 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 75 SOLUBLE. Apply in a minimum of 100 gals. of water per acre. Do not apply more than 1 lb. ACEPHATE 75 SOLUBLE per acre as a transplant water application as some phytotoxicity may occur.

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

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE 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.		
	Budworm, Cabbage Looper, Cutworm	1 lb.		

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TOBACCO PLANT BED APPLICATION (EXCEPT CA)

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE PER ACRE	FURTHER USE INSTRUCTIONS
Tobacco Bed Treat- ment	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.

GREENHOUSE APPLICATION (EXCEPT CA)

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE 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.

FRUIT CROPS

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

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cran- berries	Cranberry Blossom Worm, Gypsy Moth, False Armyworm, Fireworms, Spanworms, Sparganothis	1 1/3 lbs.	Apply in water by air, ground or with sprinklers. Use a minimum of 2 gals. spray per acre by air. Use sufficient water to give thorough coverage with ground or sprinkler equipment. NOTE: Limit to one application per growing season. Do not apply from start of bloom until all berries set.	90

SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES

This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel)

roll, travelers, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

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

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

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

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

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

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

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

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

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

Solid Set Systems: Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute injection as a separate application not associated with a regular irrigation. Allow time for all lines to flush the pesticide through all nozzles

before turning off irrigation water. To 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 75 SOLUBLE 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)

	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 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 apply more than 8 lbs. per acre per season to Brussels Sprouts. 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.		

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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.		
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 more than 6 2/3 lbs. per acre per season. Do not apply after first head begins to form to crops which germinate from mid-September through November in desert areas of AZ and CA. Do not feed trimmings to livestock or allow animals to graze on treated areas.	21 Spring Summer and early Fall crops in all areas and winter crops in FL and TX, late fall crops in AZ and CA.
	Cabbage Looper, Armyworm (excluding beet armyworm)	1 1/3 lbs.		
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 exceed 7 applications per season.	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.		
	European Cornborer	1 to 1 1/3 lbs.		

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

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Pasture, Rangeland, Wasteland	Grasshoppers, Mormon Crickets, Black Grass Bugs	1/8 to 1/6 lb. (0.094 to 0.125 lb. active ingredient)	Apply in water at a minimum of 1/2 gal. spray per acre by air or 10 to 20 gals. spray per acre by ground. Use the higher rate in thicker vegetation or on larger insects. An approved drift retardant additive may be added to aid in controlling drift and reducing evaporation of aerial sprays. Do not make more than one application per season. Do not apply when lactating dairy cattle are present. Do not graze or feed grass or grass hay to dairy animals. Remove meat animals from treated areas at least one day before slaughter if they were present at application or grazed treated areas within 21 days after application.	21 for hay

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SPECIALTY USES

CROP	INSECTS	AMOUNT ACEPHATE 75 SOLUBLE 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.

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.

MICRO FLO WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MICRO FLO. IN NO CASE SHALL MICRO FLO BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, MICRO FLO MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

®Pydrin is a registered trademark of E. I. duPont De Nemours & Co., Inc. for fenvalerate insecticide.

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Please read instructions on reverse before completing form.

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



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
 246238

Application for Pesticide - Section I

1. Company/Product Number Micro Flo Co./ 51036-236	2. EPA Product Manager William Jacobs	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Micro Flo Co./ Acephate 75SP	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Micro Flo Company P.O. Box 5948 Lakeland, FL 33807 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

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

NOTIFICATION
 FEB 10 1997

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of WSP as outlined in PR Notice 94-8.
 Chemical and/or trade names of WSP film and ink: See attached sheet.
 Notification of alternate brand name: Acephate PRO 75 WSP.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
		If "Yes" Package wgt	No. per container		
		3#, 10#	13-1/3#, 5-2#		
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1#, 10#		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Lee Tharrington	Title Registrations Assistant	Telephone No. (Include Area Code) (941) 647-3608
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Assistant	
4. Typed Name Lee Tharrington	5. Date 1/14/97	

20/20

MICRO ↓ FLO

THE PESTICIDE HANDPROTECTION COMPANY

PO Box 5948
Lakeland FL 33807 5948
Ph (941) 647 3608
Fax (941) 647 3412

Box 190
Sparks Georgia 31647
(912) 549 8245

January 14, 1997

Certified Mail # Z 751 624 175

William Jacobs (Acting PM 14)
Registration Division
Office of Pesticide Programs
U S EPA
401 M Street SW
Washington, DC 20460

Re Acephate 75SP
EPA Reg No 51036-236

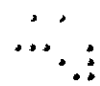
Dear Mr Jacobs

The enclosed submission is Micro Flo Company's notification of water soluble packaging (WSP) for our Acephate 75SP (EPA Reg No 51036-236) as outlined in PR Notice 94-8. Also, we are notifying of an alternate brand name Acephate PRO 75 WSP. Since the directions for "Non Crop Areas" (imported fire ants - dry mound treatment) and "Turfgrass" (imported fire ants - dry mound treatment) as found on the master label for this product do not apply for water soluble packaging, they have been deleted from this draft. In addition, this draft only includes directions for turf and ornamental uses as we have split the master label for marketing purposes. All text to be added is shown in bold. Please contact us with any questions regarding this submission.

Sincerely,



Lee Tharrington
Registrations Assistant

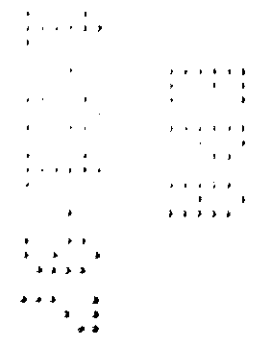


Micro Flo Company Notification of WSP for Acephate 75SP:

Chemical and/or trade names and/or trade names and supplier's name and address of WSP film and ink:

Film: KA Grade water soluble film (polyvinl alcohol) CAS# 9002-89-5 Supplier: Mitsui Plastics, Inc. White Plains, NY

Ink: Norwood Blue (aqueous ink) CAS# unknown Supplier: Sun Chemical Carlstadt, NJ



4/20

ACEPHATE PRO 75 WSP

INSECTICIDE IN WATER SOLUBLE PACKETS

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

NOTIFICATION
FEB 10 1997

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.

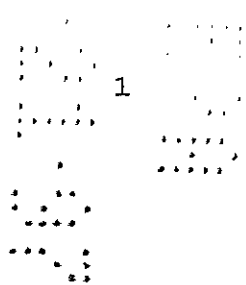
FOR SKIN CONTACT: Wash skin with plenty of soap and water.

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 CO.
P.O. BOX 5948
LAKELAND, FL 33807



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. Applications may adversely affect birds in rangeland treatment areas. 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.

609-90

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.

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.

Do not apply this product through any type of irrigation system.

DIRECTIONS:

This package contains three (five) water soluble packets of ACEPHATE PRO 75 WSP. Do not handle the packets with wet gloves or allow the packets to become wet prior to addition to the spray tank. If all packets are not used, close and reseal outer container to protect remaining packets.

To prepare spray solution, drop the unopened packet(s) of ACEPHATE PRO 75 WSP 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(s) should completely dissolve in approximately 5 minutes.

TABLE OF EQUIVALENTS

Amount of ACEPHATE PRO 75 WSP	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

TABLE OF EQUIVALENTS FOR 1/3 LB. POUCH

Rate of ACEPHATE PRO 75 WSP per 100 gallons water	Number of 1/3 lb. pouches per 100 gallons water
1/3 lb.	1
2/3 lb.	2
1 lb.	3
1 1/3 lbs.	4

Rate of ACEPHATE PRO 75 WSP		Treatment area per 1/3 lb. pouch	
Per acre	Per 1000 sq.ft.	Acres	sq.ft.
1 1/3 lbs.	0.5 oz.	0.25	11,000
2 2/3 lbs.	1.0 oz.	0.12	5,400
6 2/3 lbs.	2.5 oz.	0.05	2,200

TABLE OF EQUIVALENTS FOR 2 LB. POUCH

Rate of ACEPHATE PRO 75 WSP per 100 gallons water	Number of gallons water per 2 lb. pouch
1/3 lb.	600
2/3 lb.	300
1 lb.	200
1 1/3 lbs.	150

Rate of ACEPHATE PRO 75 WSP		Treatment area per 2 lb. pouch	
Per acre	Per 1000 sq.ft.	Acres	sq.ft.
1 1/3 lbs.	0.5 oz.	1.50	64,000
2 2/3 lbs.	1.0 oz.	0.75	32,000
6 2/3 lbs.	2.5 oz.	0.30	12,800

SPECIALTY USES

CROP	INSECTS	AMOUNT ACEPHATE PRO 75 WSP PER ACRE	FURTHER USE INSTRUCTIONS
Non-Crop Areas	Imported Fire Ants	<p>Mound Treatment-</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>Grass in treated area may be injured.</p> <p>Do not treat mound more than once per season.</p>

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 WSP PER 100 GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
Container Grown Nursery Stock (Arborvitae, Azalea, Camellia, Rhododendron, Roses, Viburnum, Yew)	Black Vine Weevil, Strawberry Root Weevil	1 lb. (16 oz.)	Application should be made by mid-September for greenhouse stock and by mid-October for outdoor stock. Consult your local county extension agent for information on the identification and control of root weevils on ornamentals.	Apply the specified amount of ACEPHATE PRO 75 WSP 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.	

TREES & SHRUBS

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 WSP PER 100 GALS.	TIME OF APPLICATION	RECOMMENDED APPLICATION
Trees and Shrubs (except Flowering Crab-apple, see below)	Aphids, Bagworms, Birch Leaf-miner, Tent Caterpillar,* Lace Bugs, Leaf-rollers	1/3 lb (5.3 oz)	As the insects begin to appear.	Apply the specified amount of ACEPHATE PRO 75 WSP in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae. *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.
	Douglas Fir Tussock Moth Larvae, Gypsy Moth Larvae*, Webworms	2/3 lb (10.5 oz)	As insects begin to appear.	

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	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 Shrubs	Ponderosa Pine Needle Miner	2/3 lb (10.5 oz)	Time of application is important. Consult your Farm Advisor or County Extension Agent.	Apply the specified amount of ACEPHATE PRO 75 WSP 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	
	California 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 PRO 75 WSP in 100 gals. water with a hydraulic sprayer.
	Nantucket Pine Tip Moth Larvae	1 lb (16 oz)	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications will be required for subsequent generations.	
	Root Weevil Adults	1 lb (16 oz)	Apply when first feeding damage occurs. Repeat applications, at four week intervals until the first heavy frost, may be necessary for complete foliage protection.	

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	Box Elder Bugs, Sawflies, Budworms, Leaf-hoppers	1 lb (16 oz)	As the insects begin to appear.	Apply the specified amount of ACEPHATE PRO 75 WSP in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	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.	
	Elm Leaf Beetle (larvae)	1 1/3 lbs (21.3 oz)	As the larvae begin to appear. ACEPHATE PRO 75 WSP 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 PRO 75 WSP in not less than 2 gals. of spray per acre by air or in 100 gals. of spray per acre by ground.
Flowering Crabapples	Aphids, Tent Caterpillars, Leaf-rollers	1/3 lb (5.3 oz)	As the insects begin to appear.	Apply the specified amount of ACEPHATE PRO 75 WSP in 100 gals. water with a hydraulic sprayer. Do not apply more often than 3 times in a growing season at a 4 week interval. Caution: Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.

Crepe Myrtle	Aphids	3 to 4 level Tbs. (0.8-1.1 oz) per 1 Tbs. of water.	As aphids begin to appear.	Make a paint-on slurry by mixing the specified amount of ACEPHATE PRO 75 WSP 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.
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COMMERCIAL TURFGRASS, LAWNS, AND OTHER RECREATIONAL TURFGRASS AREAS. DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 WSP PER 1,000 SQ FT	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turf-grass (Residential & 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 PRO 75 WSP 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)		
	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)	

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 PRO 75 WSP per 1,000 sq ft. Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.
Leafhopper	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 PRO 75 WSP per 1,000 sq ft. Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.
Mole Crickets (Except CA)	1.0 to 1.9 oz (2.66-5.2 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 PRO 75 WSP per 1,000 sq ft. Use 1 to 15 gals water per 1,000 sq ft to obtain good coverage.

				<p>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 PRO 75 WSP. 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.</p>
<p>Greenbug (Schizaphis graminum), Grasshoppers</p>	<p>1/2 oz (1 1/3 lbs per acre)</p>	<p>Apply when insects or their damage first appears. Repeat as necessary. Application is not to be repeated at more than 1 week intervals.</p>		<p>Apply the specified amount of ACEPHATE PRO 75 WSP 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.</p>

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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 PRO 75 WSP per 1,000 sq ft. Use a minimum of 15 gals water per 1,000 sq ft to obtain good coverage.
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PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 WSP	TIME OF APPLICATION	RECOMMENDED APPLICATION
Turf- grass	Imported Fire Ant	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 PRO 75 WSP 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 PRO 75 WSP 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 PRO 75 WSP per each gallon of water used. Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps alight.

<p>Cock-roaches, Ants, Pillbugs Earwigs (Peri- meter treat- ment)</p>	<p>1.6 oz. (0.10... lbs.)</p>	<p>As the insects appear.</p>	<p>Apply specified amount of ACEPHATE PRO 75 WSP 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.</p>
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OUTDOOR FLORAL CROPS AND GROUND COVERS

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 WSP PER 100... GALS	TIME OF APPLICATION	RECOMMENDED APPLICATION
<p>Daisies, Dahlias, Easter Lily, Glad- ioli, Gypos- ophila, Pachy- sandra, Peony, Roses, Sedum, Statice, Straw- flower, Yarrow, Zinnia</p>	<p>Aphids, Thrips, Lygus,</p>	<p>2/3 lb (10.5 oz)</p>	<p>As insects begin to appear. Repeat applications may be necessary.</p>	<p>Apply the specified amount of ACEPHATE PRO 75 WSP in 100 gals water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a few plants to determine varietal susceptibility.</p>
<p>Roses, Boston Ivy</p>	<p>Japanese Beetle</p>	<p>1 1/3 lbs (21.3 oz)</p>	<p>As the Japanese Beetles begin to appear. Repeat applications at 2 week intervals may be necessary.</p>	

GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS

PLANTS	INSECTS	AMOUNT ACEPHATE PRO 75 WSP 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 PRO 75 WSP in 100 gals water with a hydraulic sprayer as a full coverage spray.
Foliage Plants, Orchids , Anth- uriums, Cacti, Poin- settia	Aphids	1/3 lb (5.3 oz)	As aphids begin to appear.	Apply the specified amount of ACEPHATE PRO 75 WSP in 100 gals water with a hydraulic sprayer as a full coverage spray. The addition of a wetting agent may be required on difficult to wet foliage. Caution: Phytotoxicity has occurred on the following foliage plants: Bletchum gibbum, Cissus antarctica, Ficus triangularis, Fittonia verschaffeltii, Maranta leuconeura kerchoveana, Pachystachya lutea, Plectranthus australis, Polypodium aureus, Polystichum, Pteris ensifomis, Tolmiea menziesii. Before treating large plantings spray only a few plants and observe 2 weeks for varietal phytotoxicity. Applications of ACEPHATE PRO 75 WSP on Poinsettias after bract formation may result in phytotoxicity on certain varieties.
	Mealy- bugs, Thrips, White- flies	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.	

	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.	
	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 ai)	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 PRO 75 WSP plus TAME 2.4 EC Spray as a tank mix at a volume necessary to obtain good coverage. Follow the TAME label for specific instructions on the alternation of TAME plus ACEPHATE 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 PRO 75 WSP 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. 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.

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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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