

PM 14

51036-238

2/10/97

1/13

Please read instructions on reverse before completing form.

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



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number  
243731

### Application for Pesticide - Section I

1. Company/Product Number Micro Flo Co./ 51036-238	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 90SP	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 90 Soluble.

### 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	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				5#	2-5#
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) 647-3608	
<p align="center"><b>Certification</b></p> <p>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.</p>					<p>6. Date Application Received (Stamped) _____</p> <p>SIG 2/27/97</p>
2. Signature 		3. Title Registrations Assistant			
4. Typed Name Lee Tharrington		5. Date 1/13/97			

Micro Flo Company Notification of WSP for Acephate 90SP:

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

3/13

# MICRO ↓ FLO

THE PLANT HEALTH AND PROTECTION COMPANY

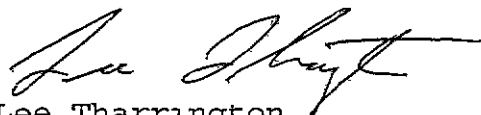
P O Box 5948  
Lakeland FL 33807 5948  
Ph (941) 647 3608  
Fax (941) 647 3412

Box 190  
Sparks Georgia 31647  
(912) 549 8245

January 13, 1997

## Certification Statement for PR Notice 94-8

"I certify that this notification is consistent with the provisions of PR Notice 94-8 and EPA regulations at 152 46 and that no other changes have been made to the labeling of this product I further understand that if this notification is not consistent with the terms of PR Notice 94-8 and 152 46, then this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA "



Lee Tharrington  
Registrations Assistant  
Micro Flo Company

4/13

**MICRO ↓ FLO**  
**THE PLANT HEALTH AND PROTECTION COMPANY**

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January 13, 1997

Certified Mail # Z 751 624 173

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

Re Acephate 90SP  
EPA Reg No 51036-238

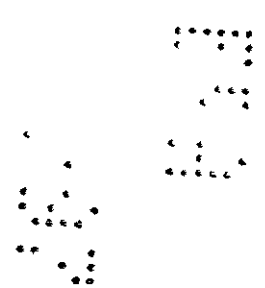
Dear Mr Jacobs

The enclosed submission is Micro Flo Company's notification of water soluble packaging (WSP) for our Acephate 90SP (EPA Reg No 51036-238) as outlined in PR Notice 94-8. Also, we are notifying of an alternate brand name Acephate 90 Soluble. Since the directions for "Cotton Seed Hopper Box Treatment" as found on the master label for this product do not apply for water soluble packaging, they have been deleted from this draft. All text to be added is shown in bold. Please contact us with any questions regarding this submission.

Sincerely,



Lee Tharrington  
Registrations Assistant



5/13

## ACEPHATE 90 SOLUBLE

### INSECTICIDE IN WATER SOLUBLE PACKETS

Active Ingredient		
*Acephate (O S-Dimethyl acetylphosphoramidothioate)	90%	
Inert Ingredients	10%	
Total	100%	

THIS PRODUCT MAY NOT BE REFORMULATED REPACKAGED OR RELABELED

KEEP OUT OF REACH OF CHILDREN

CAUTION

#### STATEMENT OF PRACTICAL TREATMENT

Acephate is an organophosphate, cholinesterase inhibitor

IF SWALLOWED Drink 1 or 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 Emergency Information - call 1 800-892-0099

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 51036-238

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

NOTIFICATION  
FEB 10 1997

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:  
long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and chemical-resistant headgear for overhead exposure

Mixers and Loaders must wear:  
long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and 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.

### STORAGE AND DISPOSAL

#### PROHIBITIONS:

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

STORAGE: Keep pesticide 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 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.

7/13

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

#### CHEMIGATION PROHIBITION

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

#### 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 worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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

Coveralls

Waterproof gloves

Shoes plus socks

Chemical-resistant headgear for overhead exposure

8/13

## DIRECTIONS:

This package contains two water soluble packets of ACEPHATE 90 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 packet.

To prepare spray solution, drop the unopened packet of ACEPHATE 90 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 the water temperature and degree of agitation the packet should completely dissolve in approximately 5 minutes.

### COTTON

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

CROPS	INSECTS	AMOUNT* ACEPHATE 90 SOLUBLE PER ACRE	ACRES PER LB. ACEPHATE 90 SOLUBLE	FURTHER USE INSTRUCTIONS**	PHI
Cotton	Thrips	3.2 oz.	1 lb. to 5 acres	Apply in water at 1 to 3 gals. (AZ 3	21
	Plant bugs (Lygus)	0.25 to 1 lb.	1 lb. to 4 acres up to 1 lb. to 1 acre	to 5 gals.) spray per acre by air. Gallonage should be increased as plant size increases to ensure thorough coverage. (In CA apply a	
		CA, AZ ONLY 0.5 to 1 lb.	CA, AZ ONLY 1 lb. to 2 acres up to 1 lb. to 1 acre.	minimum of 5 gals. per acre by air). Apply 10 to 25 gals. spray per acre by ground. Apply when eggs or insects first appear. Repeat as necessary to maintain control.	
	Flea- hopper	0.25 lb.	1 lb. to 4 acres	Lygus - Use higher rates for lygus adults that have migrated into cotton.	
	Cotton Aphid, Whitefly	0.5 to 1 lb.	1 lb. to 2 acres up to 1 lb. to 1 acre	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals. per acre in CA, AZ) or 10 to 25 gals. spray per acre by ground. Apply when eggs or	
	Army- worms (exclud- ing Beet Army- worm), Cabbage loopers	1 lb.	1 lb. to 1 acre	insects first appear. Repeat as necessary to maintain control.	



	Bollworm Tobacco Budworm, Larvae, Adults	E. OF ROCKIES 0.5 TO 1 LB.  CA, AZ ONLY 1 LB.	E. OF ROCKIES 1 lb. to 2 acres up to 1 lb. to 1 acre  CA, AZ ONLY 1 lb. to 1 acre	Apply in water at 3 to 10 gals. spray per acre by air (minimum 5 gals per acre in CA, AZ) or 10 to 25 gals spray per acre by ground. <b>Bollworm-Budworm Larvae:</b> Early season light infestation use 1-lb. to 2 acres. Mid and late season moderate to severe infestations use 1 lb. to 1 acre. Apply when eggs appear and repeat at a 3 to 7 day interval. <b>Bollworm-Budworm Adults:</b> 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. <b>Bollworm-Budworm Eggs:</b> When spray particles come in direct contact with eggs, hatching larvae may be controlled as they consume and emerge from their egg casing. For DEADHATCH (contact ovicidal activity) and larval control, apply ACEPHATE 90 SOLUBLE in combination with insecticides (including synthetic pyrethroids in the following label section) registered for use on cotton at their recommended larvicidal label rates.
	Eggs/ DEAD- HATCH	0.25 to 0.5 lb.	1 lb. to 4 acres up to 1 lb. to 2 acres	
	Pink Bollworm (CA, AZ)	1 lb.	1 lb. to 1 acre	<b>Pink Bollworm-</b> Apply when insects appear and repeat at 5 to 7 day intervals.
	Stinkbug Cutworms	0.8 lb.	1 lb. to 1.25 acres	<b>Cutworms-</b> 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, AZ). Apply when insects first appear or damage is first noted and repeat as necessary to maintain control.

10/13  
\*Where a rate range is given, use the higher rate where heavy insect pressure exists.

\*\*Do not feed gin trash to livestock or allow animals to graze on treated areas.

#### COTTON TANK MIXES

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

CROPS	INSECTS	AMOUNT ACEPHATE 90 SOLUBLE + Chlorpyrifos 4E PER ACRE	FURTHER USE INSTRUCTIONS	PHI
Cotton (CA, AZ)	Armyworms, Bollworms, Cabbage looper, Cotton Aphid, Cutworms, Flea- hopper, Grasshoppers, Pink Bollworm, Plant Bugs (Lygus, Mirids) Salt Marsh Caterpillar, Thrips, Tobacco Budworm, Whitefly	4.44 oz. to 17.77 oz.  +  1 to 2 pts.	Do not feed gin trash or treated forage to livestock. Do not allow livestock to graze on treated areas.  Acephate 90 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

11/13

## COTTON TANK MIXES

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

CROPS	INSECTS	AMOUNT ACEPHATE 90 SOLUBLE + **SYNTHETIC PYRETHROID (fl. oz.) PER ACRE	PYRETHROID MAXIMUM LBS. ACTIVE PER SEASON	FURTHER USE INSTRUCTIONS	PHI
Cotton	Bollworm, Tobacco Budworm, Cabbage Looper, Plant bugs, Thrips, Fleahoppers, Pink Bollworm (CA, AZ), Aphids, Whitefly, Cotton Leaf Perforator, Fall Armyworm, Cutworms, Stink Bugs, Sweet Potato Whitefly	ACEPHATE 90 SOLUBLE 1 lb. to 2 acres up to 1 lb. to 1 acre		Begin applications when eggs or insects appear and apply as needed to maintain control.	
		PYDRIN 2.4 EC, 5.3-10.67	2.0	Apply in 3 to 5 gals. of water with aerial equipment or in 10 to 25 gals. of water with ground equipment.	21
		or			
		ASANA 1.9 EC, 1.4 - 3.4*	0.5		21
		or		Do not feed gin trash to livestock or allow animals to graze on treated areas.	21
		ASANA XL, 3.9 - 9.6	0.5		21
		or		Stinkbugs and Cutworms: Use ACEPHATE 90 SOLUBLE at 1 lb. to 1.25 acres. All applicable directions, restrictions and precautions on the EPA registered labels are to be followed.	21
		CAPTURE 2EC, 1.3 - 6.4	0.5		21
		or			
		BAYTHROID 2EC, 1.6 - 3.2	0.89		21
		or			
		KARATE 1E, 3.2 - 5.12 (except CA)	0.2	Acephate 90 Soluble can be mixed with Pydrin 2.4EC, Asana 1.9EC, Asana XL, Capture 2EC, Baythroid 2EC, Karate 1E, Ammo 2.5EC, Cymbush 3EC, Scout 0.3EC, or Scout X-TRA, 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
		or			
		AMMO 2.5EC, 2 - 5	1.0		21
		or			
		CYMBUSH 3EC 1.7 - 2.56	1.0		21
		or			
		SCOUT 0.3EC 6.4 - 8 (except CA)	0.19		28
		or			
		SCOUT X-TRA 2.13 - 3.33 (Except CA)	0.19		28

\*Use low rate only for light infestations

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

12/13

## COTTON IN-FURROW APPLICATION

CROPS	INSECTS	AMOUNT ACEPHATE 90 SOLUBLE PER ACRE	ACRES PER LB. ACEPHATE 90 SOLUBLE	FURTHER USE INSTRUCTIONS
Cotton	Aphids, Thrips, Black (Greasy) Cutworm	0.56 to 1.1 lbs.  (.5 to 1 lb active)	1 lb. to 1.8 up to 1 lb. to .9 acres	Refer to ACEPHATE 90 SOLUBLE conversion chart before making product application.

### ACEPHATE 90 SOLUBLE CONVERSION CHART

LB. ACTIVE	LBS. ACEPHATE 90	OZ. ACEPHATE 90
0.5	0.56	9.0
0.6	0.67	10.7
0.75	0.83	13.3
0.9	1.0	16.0
1.0	1.1	17.6

Apply 0.56 to 1.1 lbs. ACEPHATE 90 SOLUBLE in 3 to 5 gals. of water per acre as an in-furrow spray.

NOTE: For the Blacklands of Texas use only the 1.1 lbs. ACEPHATE 90 SOLUBLE rate (17.6).

ACEPHATE 90 SOLUBLE can be mixed with fungicides that are sprayed in-furrow for disease control.

Flat-fan nozzles used for in-furrow application should be set so that the fanned spray pattern is aligned with the row to 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.

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.

13/13

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.

- ®AMMO - Reg. TM of FMC Agri Chemical Group for cypermethrin insecticide.
- ®ASANA - Reg. TM of E.I. duPont de Nemours & Co. for esfenvalerate insecticide.
- ®BAYTHROID - Reg. TM of Mobay Corp. for cyfluthrin synthetic pyrethroid.
- ®CAPTURE - Reg. TM of FMC Agri Chemical Group for bifenthrin insecticide miticide.
- ®CYMBUSH - Reg. TM of ICI Agricultural Products for cypermethrin insecticide.
- ®KARATE - Reg. TM of ICI Agrochemicals Co. U.K. for lambdacyhalothrin insecticide.
- ®PYDRIN - Reg. TM of E.I. duPont de Nemours & Co., Inc. for fenvalerate insecticide.
- ®SCOUT - Reg. TM of Hoechst-Roussel Agri-Vet Co. for tralomethrin pyrethroid insecticide.