



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

244407

Application for Pesticide - Section I

1. Company/Product Number Micro Flo Co./ 51036-221	2. EPA Product Manager Robert Forrest	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Micro Flo Co./ 40% Insecticidal Soap	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.

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

NOTIFICATION
Notification of deletion of an advisory statement per PR Notice 95-2.
Additional certification is attached.

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	<input type="checkbox"/> Glass	
			No. per container	<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 2.5, 55 gal., bulk		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 (Stamp)
2. Signature 		3. Title Registrations Assistant			
4. Typed Name Lee Tharrington		5. Date 10/31/96			

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MICRO ↓ FLO
THE PLANT HEALTH AND PROTECTION COMPANY

P O Box 5948
Lakeland Florida 33807 5948
(941) 647 3608
FAX (941) 647 3412
(800) 451 8461

Rt 1 Box 190
Sparks Georgia 31647
(912) 549 8245

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, 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.

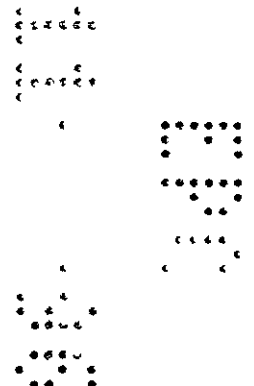
Name Lee Tharrington

Signature 

Title Registrations Assistant

EPA Reg No 51036-221

Date 10/31/96



40% INSECTICIDAL SOAP

FOR USE ON
FRUITS, NUTS, VEGETABLES AND ORNAMENTALS

ACTIVE INGREDIENTS:	BY WT.
Potassium salts of fatty acids.....	40.0%
INERT INGREDIENTS:.....	60.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

NOTIFICATION**CAUTION****STATEMENT OF PRACTICAL TREATMENT**

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.
IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
IF SWALLOWED: Drink large quantities of water.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated contact may cause allergic reactions in some individuals.

EPA Reg. No. 51036-221

EPA Est. No. 51036-GA-1

Manufactured by:
MICRO FLO CO.
P.O. BOX 5948
LAKELAND, FL 33807

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear

- 1 Long-sleeved shirt and long pants
- 2 Waterproof gloves
- 3 Shoes plus socks
- 4 Protective eyewear

Follow manufacturer's instructions for cleaning and 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

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

ENVIRONMENTAL HAZARDS

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, feed or foodstuffs by storage or disposal.

STORAGE Store only in original container in a dry place, inaccessible to children and pets. Do not store full or partial containers in direct sunlight. KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE

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

CONTAINER DISPOSAL Do not reuse empty container. Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse empty container. Rinse thoroughly before discarding in trash.

DIRECTIONS FOR USE

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

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

For best results use freshly mixed solution Use soft water whenever possible If water has a high mineral content and produces soap scale, pretreat water with an approved softening agent or a pesticide compatibility agent before adding concentrate To prevent or minimize foaming, avoid use of mechanical agitation, place filling hose below surface of spray solution, terminate by pass and return lines at bottom of tank, if needed use approved antifoam or defoaming agent CAUTION Do not use on new transplants, newly rooted cuttings or plants stressed by drought Avoid application when leaf temperature exceeds 90F

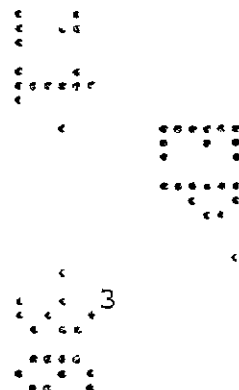
AGRICULTURAL USE REQUIREMENTS

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 and restricted-entry intervals 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 12 hours

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

- 1 Coveralls
- 2 Waterproof gloves
- 3 Shoes plus socks
- 4 Protective eyewear



NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170) The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses

Keep children, pets, and other unprotected persons out of treated areas until sprays have dried

~~40% Insecticidal Soap is an effective contact insecticide that is ideal for use in areas such as parks restaurants, hospitals, school grounds, malls and other public places, as well as in agricultural, horticultural and greenhouse applications~~

40% Insecticidal Soap effectively controls

Adelgids	Mealybugs	Spider Mites
Aphids	Plant Bugs	Tent Caterpillars
Earwigs	Psyllids	Thrips
Grasshoppers	Sawfly Larvae	Whitefly
Lace Bugs	Scales	Woolly Aphids
Leafhoppers		

WHEN USED ALONE

40% Insecticidal Soap may be used up to and including day of harvest, and is useful as a component of Integrated Pest Management (IPM) programs

Dilute at the rate of 2 gallons of concentrate to 100 gallons of water, except as noted in individual sections Apply according to the rates and other directions given under the individual crop groupings Spray should be applied to thoroughly wet all infested surfaces

WHEN COMBINED WITH OTHER PESTICIDES

40% Insecticidal Soap may be combined with other pesticides to broaden the target spectrum, improve the level of kill and enhance coverage Such use should conform to accepted use precautions and directions for use of both products Insecticide concentrate may be tank mixed by adding 1 gallon of concentrate per 100 gallons of spray containing the label amount of the companion pesticide or less except where prohibited by local regulations Products with which it may be tank mixed include Bacillus Thuringiensis, pyrethrum, and a variety of petrochemical-based pesticides Observe all limitations and precautions on labels of pesticides to be combined with

INDOOR PLANTS

Mix one part concentrate with 50 parts water or 2.5 fl oz per gallon. Apply when insects or signs of their damage appear. Take care to thoroughly wet all surfaces of infested foliage and branches. For aphids, examine plants after two days and spray again if needed. For other pests, spray at 7 to 10 day intervals as needed up to three times. Do not make repeated sprays at short intervals without thoroughly rinsing foliage. For blossom thrips on African violets, spray to contact thrips on the blooms. Root mealybug and springtail infestations can be reduced using a soil drench of one to two tablespoons of concentrate in a quart of tepid water applied monthly.

NOTE Do not use on Crown of Thorns and test other euphorbias for phytotoxicity before full-scale application. Do not use on dracaena, delicate ferns, dieffenbachia, ornamental ivies, palms or succulents without testing.

FLOWERS AND BEDDING PLANTS GROWING OUTDOORS AND IN GREENHOUSES

Roses and Succulents

Mix 2.0 gallons of concentrate per 100 gallons of water or 2.5 fl oz per gallon. Apply when insects appear. Take care to thoroughly wet all infested surfaces. A second application should be timed to control newly hatched young. Repeat weekly as needed up to three times. For earwigs spray directly on insects after disturbing their hiding place.

NOTE Do not use on bleeding heart, jade plant, lantana, lilies or sweetpeas. Some varieties of azaleas, begonias, camellias, fuchsias, gardenias and impatiens have shown sensitivity. If wilting occurs within a few hours rinse with clean water spray. Do not apply to poinsettias after bract coloration begins. Test on chrysanthemums for varietal sensitivity and do not apply to open blooms.

40% Insecticidal Soap mixed 2.0 gallons per 100 gallons of water may be used as a soil drench to control listed pests in the growing medium of container grown plants.

ORNAMENTAL LANDSCAPE TREES AND SHRUBS

Christmas trees, Shade trees, herbaceous plants, and ornamental plantings in parks, gardens and along rights-of way.

Mix 2.0 gallons of concentrate per 100 gallons of water or 2.5 fl oz per gallon. To control the crawler stage of adelgids, psyllids and scales, spray to wet bark surface when infestation warrants. For mites and other listed pests, be sure to wet underside of leaves and needle sheaths. For tent caterpillars,

mix 1 gallon of concentrate to 30 gallons of water or 4 fl oz per gallon and spray directly on young larvae when congregated on outside of tent

To control Balsam Woolly Aphid on true firs (Abies spp) mix one gallon of concentrate to 80 gallons of water or approximately 1 5 fl oz per gallon Spray trees thoroughly when crawlers are abundant in early spring and/or fall For best results make a second application after ten days

To control Spruce Woolly Aphid mix 1 gallon of concentrate to 25 gallons of water or 5 fl oz per gallon Spray spruce thoroughly in fall or spring before females begin egg laying, on Douglas fir spray before bud break or in the fall after foliage has hardened off

To control conifer aphids, sawfly larvae and pine needle scale, mix 1 gallon of concentrate per 40 gallons of water or 3 fl oz per gallon and spray to thoroughly wet foliage when insects are present

NOTE Do not apply to chestnut, Japanese maple mountain ash or Colorado blue spruce Do not apply to ornamentals stressed by drought or when tender new foliage is present Do not apply when leaf temperature exceeds 90F Test on Arborvitae, Eugenia and Euonymus for varietal and drought sensitivity

40% Insecticidal Soap sprays may result in the temporary removal of the glaucous bloom from spruces

To suppress gypsy moth populations prevent egg hatch by applying a spray solution of 1 quart concentrate to 3 quarts of water directly to egg masses do not allow spray to contact plant foliage

VEGETABLES GROWING OUTDOORS AND IN GREENHOUSES

NOTE Pre-Harvest Interval denoted in () after each use site

Mix 2 0 gallons of concentrate to 100 gallons water or 2 5 fl oz per gallon Apply when insect or mite populations attain spray threshold Spray to wet all infested plant surfaces Application volume per acre sprayed will vary according to size and growth form of plants Row crops will typically require 50 to 150 gallons of spray per acre For most pests, repeat application after several days to eliminate newly hatched individuals Do not make more than 3 sequential applications over a two week period May be used up to day of harvest

NOTE Do not apply during heat of the day or when leaf temperature exceeds 90F

Asparagus (0)

To control aphids whitefly and mites spray when insects appear and repeat at weekly intervals as needed

Minimum interval between applications is 7 days

Beans (0)

To control aphids grasshoppers, whitefly and spider mites

Minimum interval between applications is 7 days

Broccoli (0)

To control leafhoppers, plant bugs and whitefly and to suppress aphids

NOTE Do not spray crop prior to application of or tank mix with, a topically applied liquid nitrogen fertilizer

Minimum interval between applications is 7 days

Brussels sprouts (0)

To control leafhoppers, plant bugs and whitefly and to suppress aphids

NOTE Do not spray crop prior to application of, or tank mix with, a topically applied liquid nitrogen fertilizer

Minimum interval between applications is 7 days

Cabbage (0)

To control leafhoppers, plant bugs and whitefly and to suppress aphids

NOTE Do not spray crop prior to application of, or tank mix with a topically applied liquid nitrogen fertilizer

Minimum interval between applications is 7 days

Carrot (0)

To suppress aphids, and control leafhoppers, plant bugs and whitefly

No minimum interval between applications

Cauliflower (0)

To suppress aphids and control leafhoppers, plant bugs and whitefly

Minimum interval between applications is 7 days

Celery (0)

To control whitefly and mites and to suppress aphids

Minimum interval between applications is 7 days

Chinese cabbage (Bok Choy) (0)

To control leafhoppers, plant bugs and whitefly and to suppress aphids

NOTE Do not spray crop prior to application of, or tank mix with, a topically applied liquid nitrogen fertilizer

Minimum interval between applications is 7 days

Cucumber (0)

To control plant bugs and whitefly and suppress aphids and mites
Always apply to cucumbers at night or during the coolest part of the day

No minimum interval between applications

Eggplant (0)

To control whitefly and spider mites and to suppress aphids

No minimum interval between applications

Kale (0)

To control leafhoppers, plant bugs and whitefly and to suppress aphids

NOTE Do not spray crop prior to application of, or tank mix with, a topically applied liquid nitrogen fertilizer

Minimum interval between applications is 7 days

Lettuce (0)

To control whitefly and mites and to suppress aphids

Minimum interval between applications is 7 days

Melons (0)

To control plant bugs and whitefly and suppress aphids and mites

No minimum interval between applications

Peas (0)

To control aphids, grasshoppers whitefly and spider mites

Minimum interval between applications is 7 days

Pepper (0)

To control whitefly and spider mites and to suppress aphids

No minimum interval between applications

Potato (0)

To suppress aphids and control leafhoppers, plant bugs and whitefly

No minimum interval between applications

Radish (0)

To suppress aphids, and control leafhoppers, plant bugs and whitefly

No minimum interval between applications

Spinach (0)

To control whitefly and mites and to suppress aphids

Minimum interval between applications is 7 days

Squash (0)

To control plant bugs and whitefly and suppress aphids and mites

No minimum interval between applications

Sugar beet (0)

To suppress aphids, and control leafhoppers, plant bugs and whitefly

No minimum interval between applications

Tomato: (0)

To control whitefly and spider mites and to suppress aphids.
No minimum interval between applications.

FRUIT AND NUTS

NOTE: Pre-Harvest Interval denoted in () after each use site.

Mix 2.0 gallons of concentrate to 100 gallons of water or 2.5 fl. oz. per gallon. Spray when insects or mites first appear or when their populations attain spray level. Apply to achieve thorough coverage of infested foliage and/or branches. Repeat at weekly intervals as needed. Avoid spraying when blossoms are present. Use up to day of harvest.

Apple: (0)

To control leafhoppers, scale crawlers and to suppress aphids and mites.

NOTE: Spray may cause localized marking of some varieties such as red and golden delicious and Gravenstein.
Minimum interval between applications is 7 days.

Blackberry: (0)

To control leafhoppers, mealybugs, scales and whitefly and to suppress aphids and mites.

Minimum interval between applications is 7 days.

Cherry: (0)

To control scale insects and suppress aphids and mites.

Minimum interval between applications is 7 days.

Citrus (sweet orange, lemon and grapefruit): (0)

To control aphids, cottony cushion scale, black scale, red scale and mites.

NOTE: Some marking of fruit may occur, especially when spray run-off occurs or when sooty mold is present.

Minimum interval between applications is 7 days.

Coffee: (0)

To control leafhoppers, mealybugs, scales and whitefly and to suppress aphids and mites.

Minimum interval between applications is 7 days.

Cranberry: (0)

To control leafhoppers, mealybugs, scales and whitefly and to suppress aphids and mites.

Minimum interval between applications is 7 days.

Grape: (0)

To control leafhoppers, mealybugs, scales and whitefly and to suppress aphids and mites.

NOTE: Do not spray grapes during the period between the start of

blooming and 2 to 3 days post shatter Applications made with dilute spray equipment (more than 75 gallons of spray per acre) and/or tank mixes containing sulfur may mark fruit of grapes, dilute applications are not recommended on varieties being grown for the fresh produce market including but not limited to, flames, globes and perlettas as marking of fruits may occur Do not use on Labrusca varieties or Italia and Calmeria varieties grown for the fresh market

Minimum interval between applications is 7 days

Nectarines (0)

To control scale insects and suppress aphids and mites

NOTE Spray may cause localized spotting of nectarines and may remove wax bloom from plums

Minimum interval between applications is 7 days

Peach (0)

To control scale insects and suppress aphids and mites

Minimum interval between applications is 7 days

Pear (0)

To control leafhoppers, scale crawlers, pear psylla, pear slug (Tenthredinidae) and to suppress aphids and mites

NOTE Spray may cause localized marking of some varieties such as d Anjou Comice and Asian

Minimum interval between applications is 7 days

Plums (0)

To control scale insects and suppress aphids and mites

Minimum interval between applications is 7 days

Strawberry (0)

To control leafhoppers mealybugs scales and whitefly and to suppress aphids and mites

Minimum interval between applications is 7 days

TREE NUTS

NOTE Pre Harvest Interval denoted in () after each use site

Almond (0)

To control scale crawlers and suppress aphids and mites

Minimum interval between applications is 7 days

Walnut (0)

To control scale crawlers and suppress aphids and mites

Minimum interval between applications is 7 days

Pecan (0)

To control scale crawlers and suppress aphids and mites

Minimum interval between applications is 7 days

FIELD CROPS

NOTE Pre-Harvest Interval denoted in () after each use site

Alfalfa (0)

To control aphids grasshoppers, leafhoppers and plant bugs
Minimum interval between applications is 7 days

Cotton (0)

To control aphids whitefly and mites, spray when insects appear
and repeat at weekly intervals as needed
Minimum interval between applications is 7 days

Soybeans (0)

To control aphids grasshoppers, whitefly and spider mites
Minimum interval between applications is 7 days

POST-HARVEST APPLICATIONS

40% Insecticidal Soap may be used alone or in tank mixes to
control or suppress insect and mite pests of perennial crop
plants after harvest has been completed

Post harvest applications provide a means of reducing residual
populations and are a useful component of IPM programs

CONDITIONS OF SALE

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

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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
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