

File



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 31 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Webster J. Peterson
AIRE-MATE INC.
P. O. Box 406
Westfield, IN 46074

Subject: Label Amendment Submission of 04/08/94 in Response to PR Notice 93-7
EPA Reg. No. 5011-128
FORMULA F-500

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Candor Ink on paper that
contains at least 50% recycled fiber

Submit the final printed labeling via the U.S. Postal Service to:

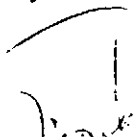
Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

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Sincerely,


Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Webster J. Peterson
AIRE-MATE INC
BOX 406
WESTFIELD IN 46074

Comment for: EPA Reg Nr.5011-128
FORMULA F-500

The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

The following statement on your proposed label is not
required for this product: "Notify workers of the
application by warning them orally and by posting warning
signs at entrances to treated areas." Delete it from the
Agricultural Use Requirements box.

Delete the crossed-out statements on your proposed label.
They are redundant statements or phrases.

Correct the typographical errors circled on your proposed
label.

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CENTER

FORMULA F-500

A fogging and contact insecticide
containing Resmethrin

ACTIVE INGREDIENTS:

*Resmethrin.....	0.50%
**Inert Ingredients	99.50%
TOTAL: 100.00%	

*Cis/trans isomers ratio: max. 30% (±) cis and
min. 70% (±) trans.

**Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration of pneumonia hazard.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN OR CLOTHING: Remove contaminated clothing and wash before reuse. Wash skin with soap and warm water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

See Side Panel For Additional Precautionary Statements

EPA Reg. No. 5011 - 128

EPA Est. No. 5011 - IN-1

MANUFACTURED BY

AIRE-MATE®



AIRE-MATE, INC.

17335 U.S. 31 NORTH, BOX 406

WESTFIELD, IN 46074-0406 USA

PHONE (317) 896-2531 • FAX (317) 896-3788

NET CONTENT: 1 GALLON

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

5011-128

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LEFT PANEL

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION:Harmful if swallowed. Do not breathe spray mist, vapor or fog.Avoid contact with skin, and clothing. Remove pets before using.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below.If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- *Long-sleeved shirt and long pants
- *Chemical-resistant gloves, such as Barrier laminate ≥ 14 mils, or Nitrile rubber ≥ 14 mils, or Neoprene ≥ 14 mils, or Viton ≥ 14 mils
- *Shoes plus socks
- *Protective eyewear
- *A respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

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 product is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards

Do not use or store near open flame or heat.

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STORAGE AND DISPOSAL

Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide Storage: Do not use, pour, spill or store near heat or open flame. Do not store with food, feed, drugs, or clothing. Store securely Store to prevent cross contamination of other pesticides and fertilizer. Store in original tightly closed container. Store above 35°F. Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Container Disposal—Plastic: Triple rinse (or equivalent) Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state or local authorities, by burning. If burned, stay out of smoke. Container Disposal—Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

If subjected to temperatures below 32°F., move container to warm storage until reaching average room temperature and thoroughly mix before use.

RIGHT PANEL

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.

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, forest, 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), notification to workers, 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 12 hours.

PPE required for early entry into 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
- *Chemical-resistant gloves, such as Barrier Laminate ≥ 14 mil or Nitrile Rubber ≥ 14 mils or Neoprene ≥ 14 mils or Viton ≥ 14 mils
- *Shoes plus socks
- *Protective eyewear

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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Non-Agricultural Use Requirements

The requirements in this block 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.

Use this product in food processing plants only when plant is not in operation. Foods should be removed or covered during treatment. All processing surfaces should be covered or thoroughly cleaned before using. All food handling surfaces, utensils, and equipment must be covered or removed during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse prior to use. In hospitals, remove patients prior to treatment. Ventilate 2 hours after treatment before returning patients. In horse stables, not for application if horses will be used for food. Do not remain in treated area and ventilate after treatment is completed. Observe usual caution as should be followed with any insecticide. Remove pet birds and cover fish aquariums before spraying.

RIGHT PANEL CONT

An insecticide for use in Baking Companies, Bottling Plants, Breweries, Candy Factories, Canneries, Distilleries, Flour Mills, Horse Stables, Hospital Maintenance, Kennels, Nut Processing Companies, Rice Mills, Seed Houses and Restaurants. See caution limitations. For fogging control of flies, mosquitos, and gnats and direct contact spraying control of roaches, ants, spiders, water bugs and house centipedes. Recommended for use in thermal fogging applicators and can also be applied by ULV and other power and hand operated sprayers. Fogging application indoors for control of flies, mosquitos and gnats: After closing off all air currents, direct fog upwards at walls and ceilings so that as many insects as possible can be contacted with a direct fog. When application is made with foggers, use 1 oz. of F-500 per 1000 cubic feet of space. Keep premises closed for at least 10 minutes after fogging. Sweep up and destroy all dead and dying insects. Repeat when necessary. Direct contact spray application for control of roaches, ants, spiders, water bugs and house centipedes: Direct a wet spray toward infested areas, floors, cracks and crevices to hit the insects. Apply F-500 with an efficient electric or other power or hand operated sprayer that will deliver a coarse spray. Thorough application should be made with repeated treatment whenever reinfestation occurs.

KILLS ADULT WHITEFLIES IN GREENHOUSES: When applied with a fog applicator F-500 is recommended for the kill of Adult Whiteflies, prior to bloom formation on Snapdragons, Norfolk Island Pine, Begonia species, Coleous varieties, Dieffenbachia, Poinsettia, Indiana Rubber Tree, Gardenia, English Ivy, Hibiscus, Chinese Fan Palm, Foundation Palm, Geranium, Palms, Azalea, Arum Lily, Bird of Paradise Flower, Crane Lily, Wandering Jew, Zephyr Lily.

PREPARATION OF THE GREENHOUSES PRIOR TO FOGGING: 1) Close all doors, windows and ventilators, 2) ~~lock or barricade all entrances or post-~~
~~warning signs,~~ take precautions to prevent ~~persons and~~ animals from entering the area. 3) Turn off all misting systems, fans and sulphur pots. Be certain all foliage is dry. 4) Room temperature should read from 50° to 60° for best insect kill.

APPLICATION: DOSAGE. Calculate in cubic feet the greenhouse space to be treated. One ounce of F-500 will treat 1000 cubic feet of space. Pour the required number of ounces of F-500 into the fog applicator insecticide tank to treat the calculated space.

APPLICATION: METHOD. Walk backward down the entire length of the center aisle of the greenhouse directing the fog under the benches, swaying the machine back and forth to blanket two benches from each side of the aisle. Keep the fog applicator nozzle at a minimum of four feet from plants. The fog applicator should never be used in a fixed position—it is to be constantly moving so as to cover the entire area as evenly as possible. Do not overapply to the point where the foliage is visibly wet. **NOTE:** For ground benches, walk backward down the center aisle directing the fog applicator nozzle at a 30° angle downward so that the fog hits the ground. Repeat applications as often as necessary.

DURATION OF EXPOSURE. Length of exposure time is 1½ hours with ventilators and doors closed. After this exposure time, the greenhouse should be well ventilated, ~~at least 1 hour,~~ before re-entering. Damage may result with longer exposure periods.

FOG APPLICATOR NOTICE. Flush the insecticide tank of the fog applicator immediately after each use, otherwise residue from the formulation may remain in the tank and insecticide system and block the system completely causing reduced fog output and poor insect control. Flushing immediately after using is a complete answer to this problem.

TO FLUSH:

1. Drain insecticide tank. To avoid draining tank after fogging, pour only the required amount of insecticide and use it all in the fogging operation.
2. Pour at least 8 ounces of Flushing Solution (FS-10) into tank. (Fuel oil may be used if flushing solution is not available).
3. Replace tank cap and rock applicator to loosen any residue.
4. Start machine (outside the greenhouse) and "fog" until tank is empty.
5. Loosen insecticide tank cap to relieve pressure.
6. Remove chemical filter and rinse.

After flushing the fog applicator, clean engine tailpipe with tailpipe brush and clean intake with special cleanout rod.

NOTICE: Seller makes no warranty other than specified on this label. The buyer agrees that the seller shall not be responsible or liable for injury to crop, soil, person, or property arising from careless or improper use or handling of the product. Please use in accordance with seller's directions.

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