



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

JAN - 8 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Webster Peterson
Aire-Mate, Inc.
P.O. Box 406
17335 US 31 North
Westfield, IN 46074

Dear Mr. Peterson:

Subject: Formula F-500
EPA Reg. No. 5011-128
Submission dated 8/26/03

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

Delete from the label the following statement, which 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.

Revise the reference to horse stables to read as follows:
In horse stables, do not use on horses intended for slaughter.

Add to the First Aid statements a Note to Physician as follows:
Note to Physician: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

The REI for resmethrin is 12 hours.

Revise the pesticide disposal statement to read as follows:

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

Move the statement about temperatures below 32° F to the Pesticide Storage statements.

Add a Chemigation Statement as follows:

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

If you have questions, please call Ann Sibold at 703 305-6502.

Sincerely,

for Ann Sibold
Linda Arrington
Acting Product Manager 10
Insecticide Branch
Registration Division (7505C)

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JAN - 8 2004

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

5011-128

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	
First Aid	
If swallowed	-Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give any liquid to the person. -Do not give anything by mouth to an unconscious person.
If on skin or clothing	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call a poison control center or doctor for treatment advice.
If inhaled	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. -Call a poison control center or doctor for further treatment advice.
If in eyes	-Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Questions? 1-800-544-8990	
See Side panels For Additional Precautionary Statements	

E.P.A. Reg. No. 5011-128

E.P.A. Est. No. 5011-IN-1



MANUFACTURED BY
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

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (& 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:

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

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.

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 and local authorities, by burning. If burned, stay out of the 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 procedure 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.

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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, 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), 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 workers to enter 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: (A.) Coveralls. (B.) Chemical resistant gloves, such as Nitrile rubber \geq 14 mils or Viton \geq 14 mils or Neoprene rubber \geq 14 mils or Barrier laminate \geq 14 mils. (C.) Shoes plus socks. (D.) Protective eyewear.

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

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 Standards 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.

An insecticide for use in Baling 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, mosquitoes, 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, mosquitoes 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, Azaleas, Arum Lily, Bird of Paradise Flower, Crane Lily, Wandering Jew, Zephyr Lily.

PREPARATION OF THE GREENHOUSE PRIOR TO FOGGING: (1) Close all doors, windows and ventilators. (2) Take precautions to prevent animals from entering the area. (3) Turn off all mixing systems, fans, and sulphur pots. Be certain all foliage is dry. (4) Room temperature should read 80° to 80°F for best insect kill.

APPLICATION DOSAGE: (1) Calculate in cubic feet the greenhouse space to be treated. One ounce of F-500 will treat 1,000 cu. ft. 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 overspray 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.

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 the 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 the 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 lines. 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.