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SEP 19 1984

Zoecon Corporation
975 California Avenue
P. O. Box 10975
Palo Alto, CA 94304

Attention: Ms. Luana Staiger

Gentlemen:

Subject: Mavrik Aquaflow
EPA Registration No. 20954-123
Your Letter of July 9, 1984

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Under "Environmental Hazards" change "Keep out of lakes, streams or ponds" to "Do not apply to lakes, streams and ponds."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Timothy A. Gardner
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

PHS
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Enclosure

RD/IRB:GARDNER/SCHROEDER:DCR-05187:WANG-0174K:nns:Raven:479-2013:8/21/84
REVISED:GARDNER:DCR-05189:WANG-0456K:KIM:Raven:479-2013:8/29/84:Del.9/11/84

CONCURRENCES

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

Product Code 6121-08

MAVRIK AQUAFLOW™

For Use on Ornamental Plants, Trees and Shrubs

ACTIVE INGREDIENT:

(α RS,2R)-fluvalinate [(RS)- -cyano-3-phenoxybenzyl (R)-2-
[2-chloro-4-(trifluoromethyl)anilino]-3-methyl-butanoate]*23.3%
INERT INGREDIENTS:.....76.7%

MAVRIK AQUAFLOW Is a flowable formulation containing 2 pounds (α RS,
2R)-fluvalinate per gallon (240 g/L).

*U.S. PAT. 4,260,633, 4,411,912 and other Patents Pending
MAVRIK AQUAFLOW is a trademark of Zoecon Corporation
EPA Experimental Use Permit No. 20954-EUP-21
EPA Est. No. 20954-123

EPA Est. No. 20954-CA-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional precautionary statements and first aid.

SHAKE WELL BEFORE USING

ZOECON CORPORATION
CROP PROTECTION DIVISION
Palo Alto, California 94304
A Sandoz Company

MADE IN USA

NET CONTENTS: 8 oz.

60-6000-04R4

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20954-123

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION

Avoid Breathing Spray Mist. To avoid potential irritation to nose and throat from fine spray particles, use a NIOSH approved dust mask. Causes mild eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wear rubber gloves while handling. Wear protective clothing. Wash contaminated clothing with soap and water before reuse.

Sensitive individuals may temporarily experience an itching or burning sensation, with or without a rash, following exposure. Avoid hand or sleeve-to-face contact. Emergency Response Telephone Number (415) 857-0172 collect.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES:

Undiluted Product - Get medical attention immediately. Flush thoroughly with a directed stream of water for 15 minutes during transport to the physician.

Diluted Spray Mist- Flush thoroughly with a directed stream of water for 15 minutes. Get medical attention immediately.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED: Do not induce vomiting. Call a physician. Gastric lavage should be supervised by trained personnel. Product contains hydrocarbon solvent which can cause lung damage if aspiration occurs.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Use with care when applying in areas adjacent to any body of water. Keep out of lakes, streams or ponds. Do not apply when weather conditions favor drift from the target area. Application must be at least 1/8 mile from any ponds less than 2 acres in surface area.

Product may not be used in the immediate area or watershed where endangered species or their habitat are believed to be located.

PHYSICAL/CHEMICAL HAZARD

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

STORAGE: Store away from direct sunlight or heat. Pesticides must be stored in a secured area away from other products, food or feed. In case of spill or leak, soak up with soil or other absorbant material. Do not use caustic agents.

DISPOSAL: Wastes resulting from the use of MAVRIK 2E may be disposed of on site or at any approved waste disposal facility.

Triple rinse container (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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling or the terms of the experimental use permit. See accompanying directions for pests, rates and use directions.

GENERAL DIRECTIONS

MAVRIK AQUAFLOW™ INSECTICIDE controls insects and controls or suppresses mite pests when used at recommended rates. MAVRIK AQUAFLOW works primarily through contact action, so target pests must be exposed to the spray or spray deposits. Good spray coverage is necessary. Treat when pests are young and populations manageable, before crop damage occurs. Repeat as indicated, or as needed, generally at five to ten day intervals. MAVRIK AQUAFLOW will appear to work more slowly than some conventional products, but good evaluation of performance can generally be made three to four days after treatment. Where heavy populations are treated, repeated applications five to seven days apart may be necessary to bring pests under adequate control. Residues of MAVRIK AQUAFLOW can continue to control certain insect pests for a week or longer. Growth dilution, climatic variables and pest habits determine retreatment needs.

Dilute MAVRIK AQUAFLOW in sufficient water to give thorough spray coverage based on local crop protection experience. Buffer spray water to pH 5-7, if necessary. When MAVRIK AQUAFLOW is tank-mixed with wettable powders, add powders to the tank first using good agitation. Check for physical and biological compatibility prior to use.

Dried residues of MAVRIK AQUAFLOW are non-toxic and non-repellant to honeybees. Treat during non-foraging periods to minimize adverse effects.

Directions for use recommend a range of use rates. The higher rates may be selected when pest pressure or damage potential is severe. The more economical rates often give acceptable results. For severe mite infestations, use the highest rate of MAVRIK AQUAFLOW and use a specific acaricide such as PENTAC Miticide in an alternate treatment program.

MAVRIK AQUAFLOW is not recommended for use in fogging or thermal fogging type applications.

For control of mealybugs and two-spotted spider mites on cut flowers, immerse basket of flowers into a dilute solution of MAVRIK AQUAFLOW.

Consult your local Extension office or a Zoecon specialist for guidance in selecting a rate and timing schedule that has demonstrated good performance under specific conditions.

WARRANTY AND CONDITIONS OF SALE

Zoecon Corporation warrants that this product conforms to the chemical description on the label and is useful for the control of insects as described herein. Neither Zoecon nor the seller make any other warranty, express or implied.

RECOMMENDATION FOR USE

CROP	PEST	RATE (LB. AI/AC.)
Foliage Flowering Plants, Woody Ornamentals, Shade Trees, and Conifers	Aphids Thrips Mites Whiteflies Leaf-Feeding Caterpillars Lygus Plant Bugs Flea Beetle Cucumber Beetle Leafhopper	0.05-0.15 lb. AI per acre in sufficient water to thoroughly cover foliage. FOR EXAMPLE, for greenhouse use: 0.025 - 0.075 lb. AI 2 - 5 fl. oz/100 gal. (where rate of spray 200 gallons per acre)
	Strawberry root weevil Obscure root weevil Blackvine root weevil	0.1 - 0.15 lb. AI per acre (6.4 - 9.6 fl. oz/100 gallon)
Cut flowers (for dipping)	Mealybugs Two-spotted Spider Mites	5 fl. oz/100 gal. water

(1449E)