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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

DEC 30 2003

Ms. Cynthia Huffman
Registrations
Southern Agricultural Insecticides, Inc.
P.O. Box 218
Palmetto, FL 34220

Subject: Updated First Aid Statements
SA-50 Malathion 50% E.C.
EPA Reg. No. 829-282
Your Application of July 22, 2003

Dear Ms. Huffman:

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit two copies of your final printed label incorporating the following corrections before you release the product for shipment.

1. Reinstate the Note to Physician section as it appears on the stamped accepted label dated January 21, 1997 and add the statement cited below to the section.

Contains petroleum distillate-vomiting may cause aspiration pneumonia.

2. Reinstate the statement to avoid contact with skin as it appears on the stamped label cited above and add eyes or clothing so that it reads as cited below to correspond with the added caution that the product is "Harmful if swallowed, inhaled or absorbed through the skin"

Avoid contact with skin, eyes or clothing.

3. Delete the added aquatic use restrictions beginning with "Broadcast use only over" and through "and/or harvested commercially." The restrictions are not appropriate for the labeled directions for ground application treatment for use against adult mosquitoes, flies and small flying insects. Please refer to item three in the enclosed copy of our previous letter dated January 21, 1997.

4. Clarify the intended sites for use of the product against adult mosquitoes, flies and small flying insects. Appropriate areas of use would be the treatment of outdoor noncrop nonaquatic areas around buildings including yards, lawns and recreational areas.

5. The last two sentences in the precautionary statements regarding protective clothing are redundant and should be removed. The paragraph headed Personal Protective Equipment includes all the appropriate protective clothing statements for use of the product.

If this condition is 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 label constitutes acceptance of this condition.

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

Sincerely,



Marilyn A. Mautz
Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

Enclosure: EPA letter dated January 21, 1997
Stamped label

SA SOUTHERN 50 AG[®] MALATHION 50% E.C.

ACTIVE INGREDIENT:

Malathion: 0,0-dimethyl phosphorodithioate
of diethyl mercaptosuccinate

BY WT.

50.0%

INERT INGREDIENTS:*

50.0%

*Contains xylene range aromatic solvent.

Contains 4.4 lbs. malathion per gallon.



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CAUTION KEEP OUT OF REACH OF CHILDREN

FIRST AID ORGANOPHOSPHATE

IF SWALLOWED: Call a physician or Poison Control Center immediately for treatment advice. Do not induce vomiting unless told to 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 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. Call a poison control center or doctor for treatment advice.

IF ON SKIN: 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:** Remove 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.

See inside of label for additional Precautionary Statements and Directions for Use.

Follow directions on side of label to open.

Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220
EPA Reg. No. 829-282

Hendersonville, NC 28793
J5

Boone NC 28607
EPA EST. NO. 829-FL-1

Net Contents Liquid: 1 Gallon (3.785 liters)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 30 2003

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

829-282

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Wear long pants and sleeves. Remove contaminated clothing and wash thoroughly before reuse.

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 F 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, butyl rubber, nitrile rubber or viton, and shoes plus socks. 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

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 fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
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 labeling about personal protective equipment (PPE), 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 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. 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: Coveralls, Chemical-resistant gloves, such as Barrier Laminate, or Nitrile Rubber, or Butyl Rubber, or Viton, and Shoes plus Socks.

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 and pets out of treated area until sprays have dried.

NOTE: DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

ORNAMENTAL PEST CONTROL

Use on a wide range of plants and insects as listed. However, do not apply to Boston, Pteris or Maidenhair Ferns, Viburnum, Lantana, Crassula, Canaert Junipers, Petunias, or small leaf Spirea since injury may result. The proper use of a spreader sticker will enhance insect control, especially with scale. Treat when insects are first seen and damage is anticipated.

For control of Lace Bugs and Oyster Shell Scale - Use 1 pint per 100 gallons water (1 tsp. per gallon). Apply when Scale Crawlers have settled on foliage.

For Aphids, Spider Mites, Mealybugs, Whiteflies, European Pine Shoot Moth, Four-lined Leaf Bug, Japanese Beetles, Potato Leafhopper, Rose Leafhopper, Tarnished Plant Bug, Thrips, and Eonymous Scale - Use 1 1/2 pint per 100 gallons of water (1 1/2 tsps. per gallon).

For Bagworms, Birch Leaf Miner, Boxwood Leaf Miner, Oak Kermes, Tent Caterpillar, Scale Insects as: Azalea, Magnolia, Pine Leaf Scale, Fletchers, Florida Red Scale and Juniper Scale - Use 2 pints per 100 gallons water (2 tsps. per gallon).

For Black Scale Crawlers, Monterey Pine Scale and Soft Scale - Use 2 1/2 pints per 100 gallons water 2 1/2 tsps. per gallon).

For Pine Needle Scale and Wax Scale - Use 4 pints per 100 gallons of water (4 tsps. per gallon). Apply in the spring when crawlers are active. Repeat 1 to 2 full-coverage sprays at 10 day intervals.

VEGETABLE GARDEN INSECTS

Thoroughly spray plants particularly the undersides of leaves and the developing fruit. Use approximately 1 gallon of the ready-to-use spray per 500 sq. ft. of garden plants. Treat plants when insects are first seen and damage is noticed. Do not spray later than days shown till harvest.

BEANS: For Aphids, Spider Mites, Cucumber Beetles, Leaf Hoppers - Use 2 tsps. per gallon. 1 day to harvest. Do not feed or graze forage, hay or straw to livestock.

CELERY: For Aphids, Spider Mites - Use 2 tsps. per gallon. 7 days to harvest.

CUCUMBER, SQUASH, MELONS: For Aphids, Spider Mites, Cucumber Beetle, Leaf Hopper - Use 2 tsps. per gallon. 1 day to harvest. Do not apply unless plants are dry.

CABBAGE, BROCCOLI, KALE, MUSTARD, TURNIPS, HEAD LETTUCE: For Aphids, Imported Cabbage Worm, Cabbage Looper, Leaf Hopper - Use 2 tsps. per gallon. 7 days to harvest.

EGGPLANT: For Aphids, Spider Mites - Use 1 tsp. per gallon. 3 days to harvest.

ONIONS: For Thrips - Use 2 tsps. per gallon. 3 days to harvest.

PEPPERS: For Aphids - Use 1 tsp. per gallon. 3 days to harvest.

POTATOES: For Aphids, Leaf Hoppers, Mealybugs - Use 1 tsp. per gallon. No waiting time till harvest.

RADISHES: For Aphids - Use 2 tsps. per gallon. 7 days to harvest.

TOMATOES: For Aphids, Spider Mites - Use 2 tsps. per gallon. 1 day to harvest.

MOSQUITO CONTROL

For control and reducing the annoyance of adult mosquitoes, flies and small flying insects in outdoor areas, apply spray mixture as a fine mist or fog. Dilute Malathion 50% E.C. at the rate of 4 1/2 oz. per gallon of water. Repeat application as necessary. Avoid spray contact with auto finishes as product may produce spotting. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.

FRUIT INSECT CONTROL

APPLES: To control Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red-Banded Leaf Roller, and Spider Mites - Mix 2 tsp. in 1 gallon of water. Make two or more applications for mites and one or more for aphids. Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

GRAPES: For Leaf Hoppers, Spider Mites, Mealybugs - Use 1 tsp. in 1 gallon of water. Do not apply later than 3 days before harvesting. May cause injury to foliage of certain varieties. Check with local Agricultural Authorities.

CHERRIES: For Black Cherry Aphids and Fruit Tree Leaf Rollers - Mix 1 tsp. in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties.

PEARS: To control Codling Moth, Fruit Tree Leaf Roller, Pear Psylla, Plum Curculio, and Red-Banded Leaf Roller - Use 2 tsp. in 1 gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeast.

PEACHES: For Spider Mites, Oriental Fruit Moth, and Plum Curculio - Mix 2 tsp. in 1 gallon of water. Spray when damage is first seen or is anticipated. Do not apply later than 7 days before harvest.

STRAWBERRIES: For the control of Spider Mites, and Aphids - Use 1 tsp. per gallon of water. Treat when insects first appear. Do not apply later than 3 days before harvest. **NOTE:** Do not apply when fruit is in bloom and bees are present. Plan on regular spray applications to fruit at 1 to 2 week intervals through the growing season to get best insect control.

PECANS: To control Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera - Dilute 2 teaspoonfuls per gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated. Follow a spray schedule.

CITRUS INSECT CONTROL

CITRUS: For use on Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangerines, and Tangelos. For control of Black Scale, California Scale, Citricola Scale, Soft Scale and Yellow Scale - Use 2 teaspoonfuls per gallon of water. For control of Florida Red & Purple Scale and the Mediterranean Fruit Fly - Use 2 teaspoonfuls per gallon of water.

For Thrips and Aphids -Use 2 teaspoonfuls per gallon of water. (This spray will also suppress Spider Mites that may be present.) Apply sprays to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is eminent. Do not apply when trees are in bloom or within 7 days of harvest.

RICE (FIELD) INSECT CONTROL

For control of Grasshoppers, Rice Stink Bug and Rice Leaf Miner, use 1 1/2 - 3 pt. Malathion 50 E.C. per acre. Use higher rate for rice leaf miner. Apply as a coarse spray in sufficient water (usually 3-20 gal./A., depending on equipment) for thorough coverage. Apply when wind is 5 MPH or below to avoid drift. Do not apply within 7 days of harvest.

Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.

STORAGE AND DISPOSAL

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

STORAGE: Store product in original container in a cool, dry, locked place out of reach of children and pets.

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

PESTICIDE DISPOSAL: (Household Only) If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

PESTICIDE DISPOSAL (Except Household): Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.

CONTAINER DISPOSAL (Except Household): 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 smoke.

CONDITIONS OF SALE AND WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage, and handling not in strict accordance with the directions and precautions given herewith.

