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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Brenda Pett
Morgro, Inc.
145 West Central Avenue
Salt lake City, UT 84107

MAR 25 2002

Dear Ms. Pett:

Subject: Amendment - Comply with 2000 Diazinon MOA;
Delete Oranges;
Update First Aid per PR Notice 2001-1; and
Update CSFs/replacement diazinon source
Morgro Diazinon 25% Spray
EPA Registration Number 42057-90
Your submissions dated July 19 and August 7, 2001

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

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 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 the product name on the front panel add the required use limitation: "For outdoor use on the home lawn and home garden only". Under that, add the required limitation "This product must not be used on golf courses or sod farms."
 - b. Be sure to change the front panel signal word to CAUTION and to include the other text revisions indicated in item 3 of your cover letter.
 - c. In the ingredients statement, in the formula name for diazinon, reverse the order of the "4" and "6", i.e., it should be "-6-methyl-4-pyrimidinyl". Also, correct the spelling of "phosphorothioate". Add an asterisk after Inert Ingredients to refer to a footnote (beneath the "Total" line) that reads "*Contains aromatic petroleum distillates".
 - d. On the right panel, under the heading DIRECTIONS FOR USE, capitalize the "F" of "Federal". Also slightly revise your proposed text for item 4 of your cover letter (the prohibition) so that it reads "Reformulation or repackaging of this product is prohibited."

e. In the introductory paragraph, revise the last sentence so that it read "Do not use this product in the home or in greenhouses."

f. Below the introductory paragraph add the following NOTES:

NOTES: (1) Use contents within 6 months after opening; See Storage and Disposal directions. (2) Do not use inside the home. (3) Do not use on ferns, poinsettia, hibiscus, pilea, gardenia, or orchids, since injury to the plants may occur. (4) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (5) Do not apply in greenhouses.

g. Under the heading HOW TO MIX AND APPLY, revise the second sentence to read "For lawns, fruits, and vegetables measure area to be sprayed. In the fourth sentence delete "or before expected". Applications should only be made after pests first appear. Revise the next sentence to read "Repeat application only as directed."

h. Replace the STORAGE AND DISPOSAL section with the following:

STORAGE AND DISPOSAL

STORAGE: Do not store near heat or open flame. Keep container closed when not in use. Keep product in original container stored in a locked cool, dry area inaccessible to children and pets. Use contents within 6 months after opening.

DISPOSAL: To avoid harming aquatic organisms in rivers and other surface waters, do not pour the concentrate, spray mixture, or rinse water into sanitary drains, (for example, toilets, floor drains, and sinks) or into storm water sewers (for example, street drains). Do not reuse empty container. Triple rinse the empty container, pour the rinse water into the sprayer and spray the treated area. Securely wrap the empty container in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, take the container to your local household waste disposal facility, or make sure the cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

i. Replace the heading WARNING and associated text with the following heading, subheadings and associated text:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. May cause contact sensitization following repeated contact with skin of susceptible individuals. If sensitization reactions result, contact a physician. Remove contaminated clothing and wash before reuse. Do not use inside the home

or in greenhouses. Avoid contamination of food and feed. Do not use on household pets or humans. Do not allow children or pets to go on to a treated areas until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils, such as spoons and measuring cups, must not be used for food purposes after use in measuring pesticides.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

FIRST AID

This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase.

- 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 anything by mouth to an unconscious or convulsing 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 eye.
 - 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 treatment advice.
- 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.

HOT LINE NUMBER [if you have a hot line number for emergencies, it should appear here - see PR Notice 2001-1]

NOTE TO PHYSICIAN

This product contains diazinon an organophosphate insecticide that inhibits cholinesterase. Product also contains a xylene

range aromatic solvent. Gastric lavage may be indicated if product was ingested. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where watering is recommended in the directions, or if waterfowl (ducks or geese) are expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash water.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

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

- j. Revise the site "turf" to read "lawns" and then reduce the APPLICATION RATE for lawns to read "1½ Tbsp. in 3 gals. of water covers 124 sq. ft., 6 fl. oz. in 24 gals of water covers 1,000 sq. ft.". To reflect this lower rate, please adjust the last entry in the left panel MEASURE INFORMATION to read "3/4 cup = 6 fl. oz.". In the Pests Controlled column, revise "Ticks" to "Brown Dog Ticks", then add in the NOTES for this site "Do not apply this product to animals."
- k. For Nuisance Pests in outside areas, reduce the APPLICATION RATE to read "2 fl. oz. in 1 gal. of water". In the Notes for this use delete "& ceiling" and add the missing comma after "patio walls".
- l. Revise the APPLICATION RATE entry for fruits to read "2 tsp. in 1 gal. of water except for grapes use 1½ tsp. in 1 gal of water. Spray foliage just to point of runoff.". Revise the NOTES for these crops to read "Start spraying after blooming and repeat at 10 to 14 day intervals, if needed. Do not apply more than 4 gals. of spray per 500 sq. ft. of home orchard. Do not apply to fruit trees more than 3 times per season. Do not spray fruit trees within 21 days of picking fruit. For grapes, do not apply more than 3 gals. of spray per 500 sq. ft. of home vineyard and do not apply more than 5 times per

4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with outdoor non-agricultural (i.e., home and garden) uses:
- a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.
 - b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
 - c. You may not sell or distribute this product after August 31, 2003.
 - d. The registration for this product shall expire and be canceled on December 31, 2004.
 - e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

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

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

The Basic Confidential Statement of Formula (CSF) dated July 19, 2001 and the Alternate CSF dated July 14, 2001 which identify replacement diazinon source Manufacturing Use Products are acceptable and have been added to this product's registration file.

Sincerely,

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division (7505C)

season. Do not apply to grapes within 28 days of picking. For strawberries, do not apply more than 3 gals. of spray per 500 sq. ft. of strawberry patch and do not apply more than 3 times per season. Do not apply to strawberries within 5 days of picking."

m. For foliar application to vegetables, in the PROBLEM AREA revise the wording for the use on beans to include "(succulent only)", as you have indicated for peas in your cover letter.

n. For foliar application to vegetables, replace the entire current APPLICATION RATE entry with the following:

1 tsp. in 1 gal. of water to cover 500 sq. ft. of garden

o. For foliar application to vegetables, replace the current NOTES with the following:

Generally, applications at 7 to 10 day intervals may be required. For Beans, do not apply more than 3 times per season. For the other listed crops, do not apply more than 5 times per season. Do not apply within 1 day of picking tomatoes, within 3 days of picking cantaloupes, within 5 days of picking peppers, within 7 days of picking beans or cucumbers, within 14 days of picking carrots or onions, within 21 days of picking cabbage, or within 35 days of harvesting potatoes. Do not use on dried pea varieties (such as split peas or dried black-eyed peas) or dried bean varieties (such as pinto beans or dried limas).

p. For pre-plant soil application for vegetables, in the PROBLEM AREA listing, revise "corn" to sweet corn" and be sure to include the limitation "(succulent only)" with "peas".

q. For pre-plant soil application for vegetables, in the PEST CONTROLLED column, delete the pest "Garden Symphylans". Permitted application rates for diazinon will not control this pest.

r. For pre-plant soil application for vegetables, replace the current APPLICATION RATE entry with the following:

Apply 6 Tbsp. per 500 sq. ft. of garden in a minimum of 1½ gals. of water.

s. For pre-plant soil application to vegetables, replace the current NOTES with the following:

For mole crickets, apply 1-2 days before planting, for all other listed pests apply just before planting. For all uses, spray the soil surface evenly and immediately mix the chemical into the top 4-6 inches of soil.

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

READ ENTIRE LABEL BEFORE USE. USE STRICTLY IN ACCORDANCE WITH LABEL CAUTIONS AND DIRECTIONS.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. MORGRO DIAZINON 25% SPRAY provides positive control of many hard-to-kill sucking and chewing insects. MORGRO DIAZINON 25% SPRAY works fast and remains effective for an extended period of time. For proper application, use the chart below. Do not use this product in the home.

HOW TO MIX AND APPLY: Determine size of spraying job. For lawns measure area to be sprayed. For all other applications apply as a thorough cover spray. Make application when insects first appear or before expected. Repeat Application as needed or indicated by Application Chart.

Always use a clean sprayer and carefully measure and mix concentrate as recommended.

Use a coarse, drenching spray for lawns, soil and other surface applications. Use medium-fine mist spray for trees, flowers and shrubs.

MEASUREMENT INFORMATION
 3 teaspoons = 1 tablespoon
 2 tablespoons = 1 fluid ounce
 1 cup = 8 fluid ounces



MORGRO

DIAZINON® 25% Spray

FRUIT, VEGETABLE, LAWN & GARDEN SPRAY
 Effective insect control for Fruits, Vegetables, Lawns, Flowers, Trees and Shrubs

EFFECTIVELY CONTROLS:



APPLICATION CHART

PROBLEM AREA	PEST CONTROLLED	APPLICATION RATE	NOTES
Turf—including Bluegrass, Merton, Pêscue, St. Augustine, Dichondra, Bent Grass and Bermuda grass lawns.	Chinch Bugs, Sod Webworms, Bermuda Weevils, Ants, Ticks, Earwigs, Billbugs	2 tbsps. (1 fl. oz.) in 3 gals. of water covers 125 sq. ft. 8 fl. oz. in 24 gals. of water covers	Thoroughly wet down grass a few hours before applying. For lawn billbugs, water lawn thoroughly after treatment. (In northern states, if Chinch Bugs are any problem, a lower rate of application may be used.)
Roses & Flowers: Roses, Azaleas, Chrysanthemums, Gladioli & Clematis	Aphids, Mites, Leafhoppers, Thrips	2 tbsps. per 1 gal. of water. Spray foliage to the point of runoff	Spray underside of leaves. Wet plants to the point of runoff.
Trees & Shrubs: Oak, Maple, Locust, Holly, Boxwood, Pine, Spruce & Willow	Aphids, Mites, Scale Crawlers, Leaf Miners, Bagworms	2 tbsps. per 1 gal. of water. Spray foliage to point of runoff	Wet leaves and branches to the point of runoff. Try to penetrate dense foliage.
Outdoor Pests in vegetable areas	Flies, Ants, Cockroaches, Mosquitoes, Fleas	Add 8 fl. oz. (1 pt.) to 3 gallons of water	Thoroughly spray window frames, doors, sills, screens, porches & patio walls & ceiling. Examine, walls, garages, eaves, & into cracks & other places where insects may hide. Do not treat plants or animals with this dosage rate.



RECEIVED
COMMENTS
MAR 25 2002
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the worldwide registered number 42057-90

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