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34704-474

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

JAN 22 1998

Ms. Glenda Haage
Registration Manager
Platte Chemical Co.
P.O. Box 667
Greeley, CO 80632

Dear Ms. Haage:

Subject: Deletion of Unsupported Malathion Uses
Malathion 8 Aquamul
EPA Reg. No. 34704-474
Labeling Submitted January 3, 1996, As Amended
In Phone Call of December 5, 1997
Federal Register Notices of March 16, 1991 and
November 30, 1994

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 one copy of your final printed label incorporating the following corrections before you release the product for shipment.

1. Add the aquatic use restriction stated below to the directions for use on rice. These restrictions are being required in lieu of conducting residue chemistry studies under 171-4 (Magnitude of the Residue in Fish and Shellfish and Magnitude of the Residue in Drinking and Irrigation Water).

"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."

2. Add a statement prohibiting the grazing or feeding of the treated crop foliage by livestock for the crops, beans, peas and lentils (vines/forage and straw/hay).

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.

The attached stamped label reflects the removal of the unsupported crop, sugar beets in accordance with the December 5, 1997 phone call from a member of your staff.

Sincerely,



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

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ACCEPTED
with COMMENTS
by EPA Letter Dated
JAN 22 1998
CLEAN CROP
34704-474

MALATHION 8 AQUAMUL

Organophosphate Insecticide
ACTIVE INGREDIENT: Malathion (O,O-Dimethyl phosphorodithioate of diethyl mercaptosuccinate) 81.8%
INERT INGREDIENTS: 18.2%
Contains 8 lbs. Malathion per gallon.TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

DO NOT USE, POUR, SPILL,
OR STORE NEAR HEAT OR OPEN FLAME.
See Below For Additional Precautionary Statements
EPA REG. NO. 34704-474

EPA EST. NO. 279-CA-1

NET CONTENTS 2 1/2 GALS. (9.46 L)

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EXP12Y95

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Avoid contamination of feed and foodstuff.

Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If On Skin: Wash affected areas with soap and water.

If In Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Note to Physician: This product may cause cholinesterase inhibition.

Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

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 & CHEMICAL HAZARDS

Do not use 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.

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), 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 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, waterproof gloves and shoes plus socks.

STORAGE AND DISPOSAL

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

STORAGE: Store in cool, dry, well-ventilated area. Store separately from strong alkalis and strong oxidizers. Keep container tightly closed when not in use.

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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. 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.

Do not use this product for any uses other than those specified on this label. All rates are for a dilute spray. All rates are per acre. Do not apply this product through any type of irrigation system.

MALATHION 8 AQUAMUL

EPA REG. NO. 34704-474

DIRECTIONS FOR DILUTION

DILUTE APPLICATION: *Ground Application:* Apply specified rate in 20 to 60 gallons of water per acre. *Orchard Application:* Apply specified rate in 100 to 800 gallons of water per acre.

CONCENTRATE APPLICATION: *Ground Application:* Apply specified rate in not less than 5 gallons of water per acre. *Orchard Application:* Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

AIR APPLICATION: Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

APPLICATIONS

ALFALFA, CLOVER: Aphid, armyworm, grasshoppers, clover leaf weevil, leafhopper, spider mites - 1 $\frac{1}{4}$ to 2 pts. Rates of 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ pts. no time limitation. Rates over 1 $\frac{1}{2}$ pts. to 2 pts. Do not apply within 7 days of harvest.

APRICOTS: Aphid, codling moth, orange tortrix, soft brown scale, terrapin scale - 4 to 10 pts. Do not apply within 7 days of harvest. Full coverage spray.

ASPARAGUS: Asparagus beetle, thrips - 1 $\frac{1}{4}$ pt. Do not apply within 1 day of harvest.

AVOCADOS: Green house thrips, Latania scale, omniverous looper, soft brown scale, orange tortrix - 4 to 9 pts. Do not apply within 7 days of harvest.

BARLEY, OATS, RYE, WHEAT: Aphid, cereal leaf beetle, grasshoppers, greenbugs - 1 $\frac{1}{4}$ pt. Do not apply within 7 days of harvest.

BEANS (Dry & Succulent): Aphid, cucumber beetle, Japanese beetle, leafhopper, lygus bug, Mexican bean beetle, mites - 1 $\frac{1}{4}$ to 1 $\frac{3}{4}$ pt. Do not apply within 1 day of harvest.

BEETS (Garden & Table), DANDELIONS: Aphid - 1 to 2 $\frac{1}{2}$ pts. Do not apply within 7 days of harvest.

BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES: Japanese beetle, leafhoppers, mites, thrips - 1 to 4 pts. Aphid, rose scale - 2 to 4 pts. Do not apply within 1 day of harvest.

BLUEBERRIES: Cherry fruit worm, cranberry fruit worm, Japanese beetle, plum curculio, sharp-nose leafhopper - 1 $\frac{1}{2}$ to 2 $\frac{1}{2}$ pts. Do not apply within 1 day of harvest.

BROCCOLI, BRUSSELS SPROUTS, MUSTARD GREENS, TURNIPS, CABBAGE, CAULIFLOWER, COLLARDS, KALE: Aphid, cabbage looper, diamond back moth, imported cabbage worm - 1 $\frac{1}{2}$ to 2 $\frac{1}{2}$ pt. Do not apply within 7 days of harvest except on broccoli within 3 days of harvest.

CARROTS: Aphid - 1 to 2 pts. Leafhopper - 1 $\frac{1}{2}$ to 2 pts. Do not apply within 7 days of harvest.

CELERY: Aphid, spider mites - 1 to 1 $\frac{1}{2}$ pts. Do not apply within 7 days of harvest.

CHERRIES: Black cherry aphid, bud moth, cherry fruit fly, Forbes scale, fruit tree leaf roller, San Jose scale - 2 $\frac{1}{2}$ to 8 pts. Lesser peach tree borer - 4 to 8 pts. Do not apply with 3 days of harvest. May injure foliage of some varieties.

CHESTNUTS: Mites - 2 to 5 pts. No time limitation.

CITRUS (Grapefruit, lemons, limes, oranges, tangerines, tangelos, kumquats): Aphid, black scale, California red scale, citricola scale, Florida red and purple scale, soft scale, thrips, yellow scale - 7 to 25 pts. Mediterranean fruit fly - 1 to 8 pts. Do not apply within 7 days of harvest. Do not apply during full bloom.

CORN: Aphid, cereal leaf beetle, corn earworm (apply to silks as soon as they appear. Make 3 to 4 applications at 2-3 day intervals as infestations warrant, reapply immediately after rain), corn rootworm-adult, grasshoppers, sap beetle, thrips - 1 pt. Do not apply within 5 days of harvest. For grain or forage use.

COTTON: Aphid, boll weevil, cotton leaf perforator, cotton leafworm, leafhoppers, lygus bug, mites, thrips, white flies, fall armyworm, flea hopper, garden webworm, grasshopper - 1 $\frac{1}{2}$ to 4 pts. per acre. No time limitation.

CURRENTS, GOOSEBERRIES: Mites, Japanese beetle - 1 to 2 pts. Currant aphid, imported currantworm - 2 pts. Do not apply within 3 days of harvest on Gooseberries, 1 day of harvest on currants.

EGGPLANT: Aphid, spider mite - $\frac{3}{4}$ to 3 $\frac{1}{2}$ pts. Lace bug - 2 to 3 $\frac{1}{2}$ pts. Do not apply within 3 days of harvest.

ENDIVE: Aphid, mites - 1 to 2 pts. Do not apply within 7 days of harvest.

FIGS: Dried fruit beetle, vinegar flies - 2 $\frac{1}{2}$ pts. plus 2 gals. unsulfurized molasses as a bait spray. Do not apply within 3 days of harvest.

GRAPES: Drosophila, Japanese beetle, leafhopper, mealybugs, spider mite, terrapin scale - 1 to 2 $\frac{3}{4}$ pts. Do not apply within 3 days of harvest. Caution - May cause injury to foliage on some varieties.

GRASS, GRASS HAY: Aphid, armyworm, grasshopper, leafhopper - 1 $\frac{1}{4}$ pt. No time limitation.

HOPS: Aphid - $\frac{1}{2}$ to 1 $\frac{1}{4}$ pt. Do not apply within 7 days of harvest.

HORSERADISH, KOHLRABI, SALSIFY, SHALLOTS, SPINACH, SWISS CHARD, WATERCRESS: Aphid - 1 to 2 pts. Do not apply within 7 days of harvest.

LENTILS: Aphid - 1 pt. Do not apply within 3 days of harvest.

LETTUCE: Aphid, leafhopper - 1 $\frac{1}{4}$ to 2 pts. Cabbage looper, mites - 2 pts. Do not apply within 14 days of harvest on leaf lettuce, 7 days of harvest on head lettuce.

MACADAMIA NUTS: Green stink bug - 3 to 15 pts. No time limitation.

MANGO, PASSION FRUIT, GUAVA: Fruit flies - $\frac{3}{4}$ pt. plus 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. Do not apply within 2 days of harvest. **CUCUMBERS,**

MELONS, PUMPKINS, SQUASH: Aphid, pickleworm, spider mites, thrips - 1 to 1 $\frac{3}{4}$ pts. Cucumber beetle - 1 $\frac{3}{4}$ pt. Do not apply within 3 days of harvest on pumpkins, 1 day of harvest on cucumbers, melons and squash. Do not apply unless plants are dry.

OKRA: Aphid, Japanese beetle - 1 $\frac{1}{2}$ pt. Do not apply within 1 day of harvest.

ONIONS, GARLIC: Thrips - 1 to 2 pts. Onion maggot - 2 pts. Do not apply within 3 days of harvest on garlic and green onions.

PARSLEY, PARSNIPS, RADISHES, RUTABAGAS: Aphid - 1 to 2 pts. Do not apply within 21 days of harvest on parsley, 7 days of harvest on parsnips, radishes, 3 days of harvest on rutabagas.

PEACHES, NECTARINES: Aphid (green peach, black cherry, black peach, rusty plum), Japanese beetle, mites (European red, two-spotted) - 2 $\frac{1}{2}$ to 9 pts. Cottony peach scale, lesser peach tree borer, plum curculio, oriental fruit moth, terrapin scale - 5 to 9 pts. Do not apply within 7 days of harvest. Full coverage spray.

PEACHES (Dormant and delayed dormant): Aphid, peach twig borer, scale (San Jose) - 4 to 9 pts. plus 6-8 gals. Super 94 440 Spray Oil. Use lower rate of Super 94 440 Spray Oil at delayed dormant and concentrate spray.

PEAS: Aphid, pea weevil - 1 to 2 $\frac{1}{2}$ pt. Do not apply within 3 days of harvest.

PECANS: Aphid, mites, pecan bud moth, pecan leaf casebearer, pecan nut casebearer, pecan phylloxera - 2 $\frac{1}{2}$ to 12 $\frac{1}{2}$ pts. No time limitation.

PEPPERS: Aphid - $\frac{3}{4}$ to 1 $\frac{1}{2}$ pts. Maggots - 1 $\frac{1}{2}$ pts. Do not apply within 3 days of harvest.

PEPPERMINT, SPEARMINT: Adult flea beetle, aphid, leafhoppers, spider mite - 1 pt. Do not apply within 7 days of harvest.

PINEAPPLE: Mealybug - 5 pts. Do not apply within 7 days of harvest.

POTATOES: Aphid, false chinch bug, leafhopper, mealybug - 1 to 3 pts. No time limitation.

RICE: Rice leaf miner, rice stink bug - 1 $\frac{1}{2}$ pts. Do not apply within 7 days of harvest.

STRAWBERRIES: Aphid, field crickets, lygus bugs, potato leafhopper, spider mite, spittlebug, strawberry leafroller, strawberry root weevil, thrips, white flies - 1 to 2 pts. Do not apply within 3 days of harvest.

SUGAR BEETS: Aphid, mites - 1 to 2 pts. Grasshoppers - 2 pts. Do not apply within 3 days of harvest.

SWEET POTATOES: Leafhoppers - 1 to 1 $\frac{3}{4}$ pts. Morning Glory leaf-miner - 1 $\frac{3}{4}$ pts. Do not apply within 3 days of harvest.

TOMATOES: Aphid, spider mite - 1 to 2 pts. Drosophila, tomato russet mite - 1 $\frac{1}{2}$ to 3 $\frac{1}{2}$ pts. armyworm, fruit worms - 3 $\frac{1}{2}$ pts. Do not apply within 1 day of harvest at the 1 to 2 pt. rate. Rates over 2 pts. to 3 $\frac{1}{2}$ pts. do not apply within 5 days of harvest.

WALNUTS: Aphid, mites, walnut husky fly - 4 to 12 $\frac{1}{2}$ pts. No time limitation.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR

PLATTE CHEMICAL CO.

150 SO. MAIN STREET

FREMONT, NEBRASKA 68025-5697