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

SEP 30 1997

S496762

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

OFFICE OF  
PESTICIDES AND TOXIC  
SUBSTANCES

Dear Ms. Haage:

Subject: Deletion of Unsupported Malathion Uses  
Malathion 55 Insecticide Premium Grade  
EPA Reg. No. 34704-3  
Labeling Submitted October 13, 1995  
Federal Register Notices of March 16, 1991 and  
September 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 following aquatic use restriction to the mosquito larvae control directions. As described in the 1988 Malathion Reregistration Standard, footnote numbers 164 and 165 of the Residue Chemistry Generic Data Requirement Table (page 114), 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, and peas (vines/forage and straw/hay).

3. Correct the "If swallowed:" statement of practical treatment to read as follows so that it reflects the aspiration hazard associated with the product.

"If swallowed: Drink promptly a large quantity of milk, egg whites, or gelatin solution, or, if these are not available,



large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration pneumonia."

4. Delete the restriction, "Do not use treated seed for food, feed, or oil purposes." The seed treatment uses have been deleted from the label.

5. Clarify the use sites covered by the indoor use precautionary statements appearing in the human precautionary statements by specifying that the only indoor use on the submitted label is for the listed empty grain storage facilities. Malathion is not being supported for general indoor use.

6. Under the directions for fly control, specify outdoor use only and delete the use on stanchions.

7. Verify that the chemigation supplemental labeling referenced on the submitted labeling is the same chemigation supplemental labeling accepted for the product on March 28, 1989.

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)



# MALATHION

## 55

### INSECTICIDE

### PREMIUM GRADE

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
SEP 30 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
34704-3

#### Organophosphate Insecticide

##### ACTIVE INGREDIENT:

Malathion*	55.21%
INERT INGREDIENTS**	44.79%
TOTAL	100.00%

\*O-O-dimethyl phosphorodithioate of diethyl mercaptosuccinate.  
Contains 5 pounds of Malathion per gallon.  
\*\* This product contains xylene range aromatics

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

See Below for Additional Precautionary Statements  
EPA REG. NO. 34704-3  
EPA EST. NO. 279-CA-1  
NET CONTENTS 1 GAL. (3.78 L)

4889

EXP10Y95

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid contact with skin. Avoid breathing of spray mist. Do not use treated seed for food, feed or oil purposes. Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces.

##### 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 the 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 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.

#### 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. 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.

#### STATEMENTS 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.

#### 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 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 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, butyl rubber, nitrile 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.

Do not allow contact with treated surface until sprays have dried.

#### STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

**STORAGE:** Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Do not store below temperature of 0°F. Personnel should use clothing and equipment

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# MALATHION 55

EPA REG. NO. 34704-3

### Storage and Disposal, Cont'd.

consistent with good pesticide handling.  
**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: 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. **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.

### DIRECTIONS FOR STORED GRAIN FACILITY USE

Use MALATHION 55 PREMIUM GRADE for protection of wheat, corn, oat, rye and barley storage facilities against Confused flour beetle, Rice weevil, Garnary weevil, sawtoothed grain borer and Indian meal moth. For a residual wall, floor, and machinery spray in grain elevators, before loading grain, apply 1 gallon of MALATHION 55 PREMIUM GRADE per 25 gallons of water making thorough application. Before applying spray, clean elevators thoroughly. Remove and burn all sweepings and debris.

### DIRECTIONS FOR CROP USE

Begin applications when insects first appear and repeat as required. Full coverage is essential for control. Observe days interval between last application and harvest indicated by the number in ( ) following the crop. When applying this material by aircraft, mix the required amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Care should be taken that this material is not allowed to drift onto neighboring crop or non-crop areas.

### CHEMIGATION

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

**FRUIT: AMOUNTS RECOMMENDED ARE AMOUNTS TO USE PER 100 GALLONS OF WATER. APPLY AT PETAL FALL AND EVERY 10 to 14 DAYS THEREAFTER UNTIL CONTROL IS ACHIEVED.**  
**PEACHES (7):** Oriental Fruit Moth, Plum Curculio - use 2 pts.

**SMALL FRUIT, VEGETABLES, ORNAMENTALS, FIELD CROPS: AMOUNTS RECOMMENDED ARE AMOUNTS TO USE PER ACRE IN SUFFICIENT WATER TO COVER.**

**BLACKBERRY (1); BOYSENBERRY (1); DEWBERRY (1); LOGANBERRY (1); RASPBERRY (1):** Japanese Beetle, Leafhopper, Thrips, Mites - use 1 1/2 pts.

**GRAPES (3):** Spider Mites, Mealybugs - use 1 1/2 pts. Applications may cause injury to Ribier grapes.

**STRAWBERRY (3):** Spider Mites, Aphids - use 1 1/2 pts. Thrips - use 1 1/2 to 3 pts.

**BEANS (Dry & Succulent) (1):** Spider Mites, Mexican Bean Beetle - use 1 1/2 pts.

**BEETS (Garden & Table) (7); BRUSSELS SPROUTS (7):** Aphids - use 1 to 2 pts.

**CABBAGE (7); KALE (7); MUSTARD (7); CAULIFLOWER (7); BROCCOLI (3); TURNIP (3):** Aphids, Imported Cabbageworm, Cabbage Looper - use 1 to 2 pts.

**CELERY (7):** Spider Mites, Aphids, - use 1 1/2 pts.

**CUCUMBER (1); MELON (1); SQUASH (1):** Spider Mites, Aphids - use 1 1/2 pts. Do not apply unless plants are dry.

**EGGPLANT (3):** Spider Mite, Aphids - use 1 pt. Lacebug - use 3 pts.

**LETTUCE (LEAF 14) (HEAD 7):** Aphids, leafhopper - use 2 pts.

**ONIONS: Thrips - use 1 1/2 pts. Do not apply on green onions within 3 days of harvest.**

**PEAS (3):** Pea Aphid - use 1 1/2 pts. per acre. Pea Weevil - use 1 1/2 to 2 pts. per acre. For Pea Weevil apply during early bloom before eggs are oviposited. Do not apply within 7 days of harvest if forage will be fed to livestock.

**PEPPERS (3); SPINACH (7):** Aphids - use 1 pt.

**TOMATOES (1):** Aphids - use 2 pts. Spider Mites - use 1 1/2 pts.

**ALFALFA, CLOVER:** Grasshoppers, Aphids, Leafhoppers, Mites, Alfalfa weevil, Larvae, Clover Leaf Weevil - use 1 1/2 to 2 pts. per acre. Do not apply when plants are in bloom.

**BARLEY (7); OATS (7); RYE (7); WHEAT (7):** Armyworm - use 2 pts. per acre. English Grain Aphids, Greenbug - use 1 1/2 pts. per acre.

**ORNAMENTALS:** Aphids, Spider Mites, Whitefly, Mealybugs, Thrips, Japanese Beetle Adults, Scurfy Scale, Four-lined Leaf Bug, Tarnished

Plant Bug, Rose Leafhopper, European Pine Shoot Moth - use 1 1/2 pts. Birch Leafminer, Boxwood Leafminer, Bagworms, Tent Caterpillar, Azalea Scale, Pine Leaf Scale, Magnolia Scale, Oak Kermes, Fletcher Scale, use 2 pts. Monterey Pine Scale, Soft Scales - use 2 1/2 pts. Pine Needle Scale - use 4 pts. Use of this material may cause injury on certain ferns, including Boston Maidenhair and Pteris, as well as on some species of Crassula and Canaertii Juniper.

### DIRECTIONS FOR MOSQUITO CONTROL USE

**MOSQUITO LARVAE:** For use only on intermittently flooded areas use 13 ounces per acre in sufficient water or oil to obtain coverage when applied by air or ground equipment. Repeat application as necessary. Do not apply oil-based sprays to valuable ornamental plants as injury may occur. When applying this material by aircraft, mix the recommended amount with sufficient water to provide one to ten gallons of finished spray per acre. Care should be taken that this material is not allowed to drift onto neighboring crops or non-crop areas. Observe the fish warning statement on this label.

### DIRECTIONS FOR FLY CONTROL USE

Use around outside of building which house domestic animals, around yards and outside of homes. Apply to surfaces where flies alight or congregate, such as walls, stanchions, barn windows, fence and garbage cans. Repeat application as required. Eliminate fly breeding sites. Do not apply sprays to freshly white washed surfaces for a period of 14 days.

**WATER DILUTED FLY SPRAY:** use 2 gallons per 100 gallons of water. Spray the diluted mix at the rate of 1 gallon per 1000 square feet on painted surfaces or 2 gallons per 1000 square feet on unpainted surfaces. **BAIT SPRAYS:** use 2 gallons of MALATHION 55 PREMIUM GRADE with 2 gallons of unsulfurized molasses or corn syrup, or 20 pounds of sugar per 100 gallons of water. (Use 3 gallons with 40 pounds of sugar per 100 gallons of water if the fly population is severe.) Sugar, unsulfurized molasses or corn syrup have been found in most cases to prolong the insecticidal activity of Malathion against flies.

### DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY.

**USAGE CAUTION: DO NOT USE IN UNDILUTED FORM. DO NOT ALLOW THIS MATERIAL TO DRIFT ONTO NEIGHBORING CROP OR NON-CROP AREAS OR USE IN A MANNER OR AT A TIME OTHER THAN IN ACCORDANCE WITH DIRECTIONS. BECAUSE PLANT INJURY, EXCESSIVE RESIDUES OR OTHER UNDESIRABLE RESULT MAY OCCUR.**

### 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.

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FORMULATED FOR  
**PLATTE CHEMICAL CO.**  
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