

PM-14

Reg # 59144-1

173



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

MAY 16 1996

Mr. Dan Pennington  
President  
Gro Tec, Inc.  
P.O. Box 290  
Madison, GA 30650

5504787 336  
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OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dear Mr. Pennington:

Subject: Deletion of Unsupported Malathion Uses;  
WPS Exclusionary Statement; and  
Revision Pursuant to PR Notice 93-8  
Malathion 50% Insect Spray  
EPA Registration No. 59144-1  
Your Resubmission Dated April 23, 1996

The 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 correction before you release the product for shipment.

Delete the reference to the use sites, "interior plantscapes", "parks", "lawns" and "golf courses" which appears in the WPS exclusionary statement and qualify the remaining use sites in this statement by revising them to read, "home ornamental gardens and grounds".

The submitted label does not provide for directions for use on these sites. Also, with the exception of "lawns", the use of the product on these sites would not be appropriate use sites for a product intended for homeowner use only.

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 labeling constitutes acceptance of this condition.

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

Sincerely yours,

Robert A. Forrest  
Product Manager (14)  
Insecticide-Rodenticide Branch  
Registration Division (7504C)



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved wastes disposal facility. **CONTAINER DISPOSAL:** GLASS- Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures. **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. **HOUSEHOLD:** Do not reuse empty container. Wrap in several layers of newspaper and discard in trash.

### FRUIT INSECT CONTROL

To protect most fruit a regular spray schedule should be set at 10 to 14 day intervals after the trees have bloomed and the small fruit has formed. Consult your local Agricultural Extension Service for spray schedules and proper timing of applications for your locality.

**APPLES:** To control Aphids, Bud Moth, Forbes Scale, Codling Moth, Plum Curculio, Red Banded Leafrollers and Spider Mites, mix 2 teaspoonfuls in 1 gallon of water. Make two or more applications for mites and one or more for aphids spaced at 7 to 10 days intervals or as a schedule indicates for a "cover spray". Do not apply later than 3 days before harvest. This product may injure Cortland and McIntosh varieties in summer sprays.

**GRAPES:** For Leafhoppers, Spider Mites and Mealy Bugs, mix 1 teaspoonful in 1 gallon of water. Do not apply later than 3 days before harvest. May cause injury to foliage of certain varieties. As a test, spray several leaves of the plant first and observe in 2-4 days. If no damage occurs proceed with sprays.

**CHERRIES:** For Black Cherry Aphids and Fruit Tree Leafrollers, mix 1 teaspoonful in 1 gallon of water and thoroughly spray trees. Do not apply later than 3 days before harvest. May injure foliage in some varieties. Before making complete "cover spray" applications, test spray, as for grapes.

**PEARS:** To control Codling Moth, Fruit Trees Leafrollers, Pear Psylla, Plum Curculio and Red Banded Leafrollers, use 2 teaspoonfuls per gallon of water. Do not apply later than 1 day before harvest. May injure Bosc pears under certain conditions in the Northeastern States.

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

**STRAWBERRIES:** For control of Spider Mites and Aphids mix 1 teaspoonful in 1 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 a regular spray application to fruit at 1 to 2 weeks intervals through the growing season to get best results.

**PECANS:** Follow a suggested spray schedule to control Spider Mites, Aphids, Pecan Nut Casebearer and Pecan Phylloxera. Mix 2 teaspoonfuls in 1 gallon of water and apply with a pressure sprayer. Treat when insects are first seen or their damage is anticipated.

### FOR USE IN THE HOME GREENHOUSE

When grown in a home greenhouse the following food plants may be treated for Aphids and Spider Mites when observing the pre-harvest spray interval as listed after the crop: Beans - 1 day, Cucumber - 1 day, Eggplant - 3 days, Head Lettuce - 7 days, Onion - 3 days, Pepper - 3 days, and Tomatoes - 1 day. Observe proper ventilation procedures and treat plants in early morning during cool temperatures. Mix 2 teaspoonfuls of this product in 1 gallon of water and thoroughly treat all portions of the plant. Certain vegetables (such as cucumbers) may be injured if sprayed when humidity and temperature are very high. "Test spray" a leaf or two and observe later before applying to entire crop; otherwise treat only when greenhouse temperatures are moderate as 70 to 75 degrees F.

NOTICE: This product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer, and/or seller, and buyer assumes the risk of any such use.

# MALATHION 50% INSECT SPRAY

FOR HOME AND GARDEN PEST CONTROL  
ORNAMENTAL and FRUIT TREE INSECT CONTROL - FLOWER GARDEN  
HOME VEGETABLE GARDENS - HOME GREENHOUSE PLANTS.

#### ACTIVE INGREDIENT:

Malathion: O,O dimethyl phosphorodithioate  
of diethyl mercaptosuccinate . . . . . 50.0%

INERT INGREDIENTS: . . . . . 50.0%

Total 100.0%

## KEEP OUT OF REACH OF CHILDREN CAUTION

#### STATEMENTS OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give by mouth to an unconscious or convulsing person. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention. **NOTE TO PHYSICIAN:** Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal. \*Product contains aromatic solvent which may be an aspiration hazard. Gastric lavage indicated if product was swallowed.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuff. Treat areas frequented by children and do not allow children in treated areas until the spray has dried. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Area being treated must be vacated by unprotected persons. **NOTE TO PHYSICIAN:** Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal.

##### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply to water. Drift and runoff may be hazardous to aquatic organisms in areas near the application. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees visiting the treatment area. Do not apply this product or allow it to drift onto 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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Do not apply this product through any type of irrigation system.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 56144-1

EPA EST. NO. 5914

NET CONTENTS 1 QUART

**GROTEC**  
P.O. BOX 290 - MADISON, GA 30650

RECEIVED  
MAY 16 1995  
A Letter Dated

**HOME CITRUS INSECT CONTROL**

For use on grapefruit, Kumquats, Lemons, Oranges, and Tangerines. For control of Black Scale, California Scale, Citricola Scale, Soft Scale, and Yellow Scale mix 1 to 1 1/2 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 1 1/2 teaspoonfuls per gallon of water. This spray will also suppress Spider Mites that may be present. Apply spray to give thorough coverage of fruit and the upper and lower sides of leaves and twigs when insects are present or their damage is anticipated. Do not apply when trees are in bloom or within 7 days of harvest.

**OUTDOOR ORNAMENTAL INSECT CONTROL**

**WHERE TO USE:** For use on plants intended for aesthetic purposes or climatic modifications and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds. May be used on a wide variety of Flowers, Shade Trees and Shrubs and for the Insects as listed below. Due to possible plant injury do not use on the following plants: Ferns, Hickory, Viburnum, Lantana, Crassula, Cannard Juniper, Boston Ferns, Pteris Ferns, or Maidenhair ferns, Petunia, Small Leaf Spirea, White Pine or Maples.

**HOW TO USE:** Mix the proper amount in a Hose-End Sprayer designed for use on Shrubs, or a hand pressure or pump sprayer. Thoroughly spray all portions of the plant; including stems, buds and the undersides of leaves. Repeat as needed for control.

**HOW TO MIX:** For all insects other than Pine Needle or Wax Scale use 2 tsp./gal of water. For Pine Needle and Wax Scale use 4 tsp./gal. of water. Treat when insects are first seen and/or their damage is first noticed. Repeat as needed for control.

Aphids	Potato Leafhopper	Florida Scale*
Bagworms	Rose Leafhopper	Juniper Scale*
Birch Leaf Miner	Scale Insects:	Black Scale Crawlers
Boxwood Leaf Miner	Oyster Shell Scale*	Soft Brown Scale
European Pine Shoot Moth	Euonymus Scale	Monterey Pine Scale
Four-lined Leaf Bug	Scurfy Scale	Pine Needle Scale
Japanese Beetle Adult	Azalea Scale	Wax Scale**
Lace Bugs	Magnolia Scale	Spider Mites
Mealybugs	Pine Leaf Scale	Tarnished Plant Bug
Oak Kermes*	Fletchers Scale*	Tent Caterpillar
		Thrips (exposed stages)

\*Apply when Scale Crawlers have settled on the foliage. \*\*Apply in spring when crawlers are active. Repeat in 1 or 2 full coverage application at 10 day intervals.

**VEGETABLE GARDEN INSECT CONTROL**

**HOW TO SPRAY:** Mix the proper amount in a Hose-End Garden Type Sprayer or a hand held Garden Pressure Sprayer. Thoroughly mix and apply to all portions of the plant; undersides of leaves, stems, buds, and developing fruit. Do not spray blooms.

**WHEN TO USE:** Treat in the spring and/or when insects are first seen or their damage is noticed. Do not spray later than the days as shown in the "Preharvest spray interval" column. Repeat otherwise as needed. Do not apply to wet vine crops.

**HOW TO MIX:** Mix 2 teaspoonfuls per gallon of water.

Vegetable	Insect Pest	Preharvest spray interval
Beans	Aphids, Spider Mites, Cucumber Beetles, Leafhoppers.	1 day
Celery	Aphids, Spider Mites.	7 days
Cucumbers	Aphids, Spider Mites, Cucumber Beetles, Leafhoppers.	
Squash, Melons		1 day
Cabbage, Broccoli, Mustard, Turnips, Head Lettuce	Aphids, Imported Cabbage Worm, Cabbage Looper, Leafhoppers.	
Eggplant	Aphids, Spider Mites.	3 days
Onions	Exposed Thrips.	3 days
Peppers	Aphids.	3 days
Potatoes	Aphids, Leafhoppers, Mealy Bugs.	0 day
Radishes	Aphids.	7 days
Tomatoes	Aphids, Spider Mites.	1 day

Mixing Rate Comparisons: 1 tsp./gal. = 1 Pt./100 gallons - 2 tsp./gal. = 2 pts./100 gals. (59-1a)nd pm5 \ (Maia DCI non-supported uses deleted and WPS excl. Stmt. submitted 04-13-95 review for acceptance by PM-14 on 04-22-96) This version 04-24-96 includes EPA comments for Acceptance \ no new crops/sites added. PR Notice 93-3 compliance.

# MALATHION

## 50%

### INSECT SPRAY

**FOR HOME AND GARDEN PEST CONTROL - ORNAMENTAL and FRUIT TREE INSECT CONTROL - FLOWER GARDENS - HOME VEGETABLE GARDENS - HOME GREENHOUSE PLANTS.**

**ACTIVE INGREDIENT:**  
Malathion: O,O dimethyl phosphorodithioate of diethyl mercaptosuccinate . . . . . 50.0%

**INERT INGREDIENTS:** . . . . . 50.0%

Total 100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**STATEMENTS OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention. **IF ON SKIN:** Remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists. **IF INHALED:** Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention. **NOTE TO PHYSICIAN:** Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal. \*Product contains aromatic solvent which may present aspiration hazard. Gastric lavage indicated if product was swallowed.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Avoid breathing spray mist or vapors. Avoid contact with skin. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not treat areas frequented by children and do not allow children in treated areas until the spray has dried. Do not apply this product in such a manner as to directly or through drift expose workers or other person. The area being treated must be vacated by unprotected persons. **NOTE TO PHYSICIAN:** Malathion upon exposure may cause cholinesterase inhibition. Atropine is antidotal.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates and aquatic life stages of amphibians. Do not apply directly to water. 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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Do not apply this product through any type of irrigation system.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 59144-1

EPA EST. NC. 59144-GA-1

**NET CONTENTS 1 QUART**



ACCEPTED FOR REGISTRATION  
MAY 1 9 1995  
U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C. 20250

**POSALM**  
sa. **STORAGE:** Store product in its original container. Keep out of reach of children. **PESTICIDE** may be disposed of on site or at an approved State and local procedures. **RECYCLING:** Triple rinse (or equivalent) and recycle where allowed. **DISPOSAL:** Triple rinse (or equivalent) and recycle where allowed. **RECYCLING:** Triple rinse (or equivalent) and recycle where allowed. **DISPOSAL:** Triple rinse (or equivalent) and recycle where allowed.

**CONTROL**  
Set at 10 to 14 day intervals after the first appearance of insects. For more information contact your local Agricultural Extension Office for your locality. **CONTROL:** Set at 10 to 14 day intervals after the first appearance of insects. For more information contact your local Agricultural Extension Office for your locality.

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**GREENHOUSE**  
Plants may be treated for Aphids and Spider Mites, Aphids, Pecan Nut Casebearer, and other insects. Do not apply later than 1 day before harvest in the Northeastern States.

and is reasonably fit for the purpose under normal conditions of use, except where otherwise indicated. If you have any questions, please contact the manufacturer.