



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

**JAN 6 1994**

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**Agent for: PBI/GORDON CORPORATION**  
**7270 W 98th Terrace, Suite 100**  
**Overland Park, KS 66212**

**OFFICE OF**  
**PREVENTION, PESTICIDES AND**  
**TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 09/01/93 in Response to PR Notice 93-7**  
**EPA Reg. No. 2217-143**  
**57% MALATHION EMULSIFIABLE CONCENTRATE**

**Dear Registrant:**

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND**
- **WITHIN** one year from date of this acceptance.



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

Page 2

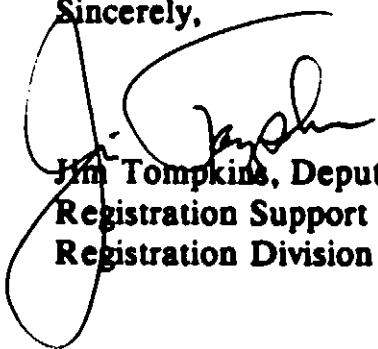
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

# 57% MALATHION EMULSIFIABLE CONCENTRATE

FOR CONTROL OF ANIMAL AND PLANT PESTS

## ACTIVE INGREDIENT:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate . . . . . 57%

INERT INGREDIENTS . . . . . 43%

TOTAL 100%

CONTAINS XYLENE RANGE AROMATIC PETROLEUM SOLVENT.

CONTAINS 5 POUNDS OF MALATHION PER GALLON.

KEEP OUT OF REACH OF CHILDREN

## WARNING - AVISO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find some one to explain it to you in detail.)

## STATEMENT OF PRACTICAL TREATMENT

An organophosphate insecticide/miticide.

**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 repeated, prolonged or careless exposure may cause cholinesterase inhibition. Atropine is antidotal. Aromatic solvent may present aspiration hazard. Gastric lavage is indicated if product was swallowed.

See Side Panels For Additional Precautionary Statements

NET CONTENTS ONE U.S. QUART

**BEST AVAILABLE COPY**

934/993WPS AP042589

EPA REG. NO. 2217-143

EPA EST. NO. 2217-KS-1

Mfd by PBI/GORDON CORPORATION

KANSAS CITY, MISSOURI 64101

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

JAN 6 1994  
Under the Federal Insecticide,  
Fungicide and Rodenticide Act  
is accepted for the pesticide  
registration under EPA Reg. No.  
2217-143

4657

**STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

**WARNING:** Harmful if swallowed. Avoid breathing spray mists or vapors. Avoid contact with skin. ~~Thoroughly wash 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 persons. The area being treated must be vacated by unprotected persons.~~

#### **Personal Protective Equipment (PPE):**

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils, and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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:**

Users should:

◆ Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**Environmental Hazards:** This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water or wetlands (i.e., swamps, bogs, marshes, and potholes). 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.

## **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 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.

For any requirements specific to your State, <sup>or Tribe</sup> consult the agency in your State responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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, wear: coveralls, chemical resistant gloves such as barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils, and shoes plus socks.

#### STORAGE & DISPOSAL

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

**STORAGE:** Store in original container in a locked storage area inaccessible to children or pets.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Metal Container: 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 Containers: 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.

Do not apply this product through any type of irrigation system.

FOR USE ON	TO CONTROL	AMOUNT OF PRODUCT		COMMENTS
		IN 100 GALLONS	IN 1 GALLON	
Apples, Pears	European Red Mite, Clover Mite, Two Spotted Mite	1 - 2 pints	2 tsp.	Make two or more applications as needed, for mites, one or more for aphids. At pre-pink or pink stage of bloom or when aphids appear. Do not use within 3 days of harvest.
	Wooly Apple Aphid, Forbes Scale, Green Apple Aphid, Rosy Apple Aphid	1 pint 1 1/2 pints	1 tsp. 1 1/2 tsp.	
Tomatoes	Spider Mites, Aphids	1 1/2 pints 1 pint	1 1/2 tsp. 1 tsp.	Make one or more applications as needed.
Beans	Mexican Bean Beetles, Spider Mites, Leafhoppers	2 pints	2 tsp.	Do not use within 3 days of harvest.
Peas	Pea Aphid	2 pints	2 tsp.	Make one or more applications. Do not use within 3 days of harvest.
Potatoes	Aphids	2 pints	2 tsp.	
Cabbage, Broccoli, Kale, Mustard, Turnip	Aphids, Imported Cabbage Worm	2 pints	2 tsp.	Do not use pea vines for forage. Make full coverage applications. Repeat as necessary. Do not use within 3 days of harvest on broccoli and turnips, 7 days on others.

FOR USE ON	TO CONTROL	AMOUNT OF PRODUCT		COMMENTS
		IN 100 GALLONS	IN 1 GALLON	
Alfalfa for seed	Aphids	2 pints per acre in at least 10 gallons of water		Do not apply within 7 days of harvest, or when in bloom.
Flowers, Ornamentals, Shrubs	Oyster Shell Scale, Euonymus Scale	1 pint	1 tsp.	Apply in summer when infestation occurs. Repeat in 10 to 12 days. For scales, apply when crawlers have settled on foliage.
	Aphids, Spider Mites, White Fly Thrips, Mealy Bugs, Japanese Beetle Adult, Four Lined Plant Bug, Tarnished Plant Bug, Rose Leafhopper, Potato Leafhopper	1 1/2 pints	1 1/2 tsp.	
	Bagworms, Juniper Scale	2 pints	2 tsp.	
	Soft Brown Scale	2 1/2 pints	2 1/2 tsp.	
	Pine Needle Scale	4 pints	4 tsp.	

**CAUTION:** Do not use on certain ferns, including Boston maidenhair and Pteris as well as some species of Crassula, because of possible injury to these ornamentals.

#### Non-Agricultural Use Requirements

The requirements in this box apply to use 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.

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

#### SURFACE TREATMENTS FOR INDIAN MEAL MOTH

**As a Spray:** To protect stored grain from attack by Indian meal moth, apply to the surface of clean or uninfested grain at the rate of 1/2 pint in one to two gallons of water for each 1,000 square feet of grain surface area. Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary.

#### APPLIED TO GRAIN AT TIME OF STORAGE

For the protection of stored grain such as wheat, oats, rice, corn, rye, barley, and grain sorghum, apply one pint in 2 to 5 gallons of water to each 1,000 bushels of grain.

Apply the spray as the grain is being loaded or turned into final storage. Any of the standard applicators on the market which can be calibrated to deliver a known volume of liquid are suitable for applying malathion.

For small amounts of grain in farm storage, where special application equipment is not available, any type of low-pressure sprayer (holding a gallon or more) can be used. The spray can be applied to the grain stream as the grain is being elevated into storage. The first step would be to test spray a tank of water to determine the rate at which the sprayer is discharging – then regulate the flow of grain to get on the proper amount of malathion.

**AS A CLEANUP SPRAY:** Before new grain goes in, a residual malathion spray should be applied to walls, floors, and machinery in grain elevators or farm storage. This applies also to truck beds, boxcars, and ships' holds. Mix this spray at the rate of one gallon Malathion Emulsifiable in 25 gallons of water. Spray all surfaces to the runoff point – making particularly sure that the spray is forced into cracks and crevices. This same spray should be used around the outside of bins and elevators to help prevent reinfestation.

**LIQUID FLY BAIT:** To control House and Stable Flies in barns, feedlots, poultry houses, utility buildin and around food disposals mix 5 ounces with 5 ounces of corn syrup and add to 2 gallons of water. Paint or spray on desired surfaces.

**POULTRY:** To control chicken lice add 1 oz. to 1 gallon water and apply directly to the birds. To spray walls, nests and litter make a solution of 2 oz. in 1 gallon water. Do not apply this higher dosage to birds. As a roost paint for lice control mix 2 ounces of 57% Malathion in one quart of water and apply at the rate of one pint finished spray per 150 feet of roost.

**BEEF CATTLE:** For control of lice, add 1 quart to 25 gallons of water. Apply a complete coverage spray. Repeat applications at two week intervals if needed. For control of ticks 1 to 2 quarts per 25 gallons of water. Apply a complete coverage spray. Repeat applications at two week intervals if needed.

**SWINE:** For control of lice, apply 1 quart per 25 gallons of water. Apply a complete spray to animals, pens, and litter. One treatment may be sufficient. Repeat application only if needed.

**BACK RUBBING DEVICES:** For the reduction of lice on beef cattle apply a 2% mixture (1 pint in 4.3 gallons of fuel oil or kerosene) to the back rubbing device. There may also be a reduction in Horn Flies. Make rubbing device accessible for one to 35 or 45 head of cattle. Retreat the oiler every 2 or 3 weeks. **DO NOT MAKE ACCESSIBLE TO DAIRY ANIMALS.**

**NOTE:** Do not apply to dairy animals. Do not treat calves under one month of age. Do not contaminate food containers or watering devices. Do not use where milk is processed or stored.

**LIMITED WARRANTY.** Manufacturer warrants that the chemical composition conforms to the ingredient statement given on the label and that this product is suited for the labeled use when applied according to label directions. Because of widely varying use conditions, it is impossible to eliminate all risks even when label directions are followed.

**EXCLUSION OF OTHER WARRANTIES AND REMEDIES.** Except where such disclaimers and exclusions are specifically prohibited by applicable law. THE FOREGOING IS THE ONLY GUARANTEE OR WARRANTY APPLICABLE TO THIS PRODUCT AND IS GIVEN EXPRESSLY AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL SUCH WARRANTIES WHICH EXCEED OR DIFFER FROM SAID LIMITED WARRANTY ARE DISCLAIMED BY MANUFACTURER, and, upon Manufacturer's compliance with said limited warranty. BUYER SHALL HAVE NO REMEDY AGAINST MANUFACTURER FOR ANY TYPE OF DAMAGE OR LOSS, and, IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL DAMAGE OR LOSS.