



PM14

2217-143

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FEB 12 1996

Mr. James A. Armbruster  
Manager Regulatory Services  
PBI/Gordon Corporation  
PO Box 14090  
1217 West 12th Street  
Kansas City, MO 64101

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

5453390

Dear Mr. Armbruster:

Subject: Deletion of Unsupported Malathion Uses  
Gordan's Malathion Contains 5 Lbs Per Gallon  
EPA Reg. No. 2217-520  
50% Malathion Emulsifiable Concentrate  
EPA Reg. No. 2217-345  
57% Malathion Emulsifiable Concentrate  
EPA Reg. No. 2217-143  
Federal Register Notice of March 18, 1991  
Agency Letter of June 15, 1992  
Your Application and Labeling Submitted  
October 19, 1993

The amended product labels referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), are acceptable, provided that you:

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

EPA Reg. Nos. 2217-143, 2217-345 and 2217-520

1. The submitted labeling does not bear the required Worker Protection statements as outlined in PR Notices 93-7 and 93-1. We note that you have submitted labels in accordance with the instructions in those Notices for the products and that the labels were accepted with comments in the three separate Agency letters of January 6, 1994, January 6, 1994, and March 7, 1994, for Reg. Nos. 2217-143, 2217-345 and 2217-520, respectively. The new protective language in those submissions must be incorporated into the label for the products.

2. In addition to the additions/revisions made to the label in your WPS labeling submission as accepted in the Agency letter referenced in item one above, the following corrections must be made.

**BEST COPY AVAILABLE**



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

a. As the presence of the solvent may present an aspiration hazard, the practical treatment instructions to induce vomiting if swallowed are not appropriate and must be deleted.

b. Add the statement, "Do not induce vomiting" to the practical treatment instructions.

c. Delete the word, "careless" in the sentence, "Malathion upon repeated, prolonged or careless exposure may cause cholinesterase inhibition." 2/7

d. Malathion products labeled for use on the agricultural crops, beans, peas, lentils, cotton, and grain sorghum require a restriction prohibiting the grazing/feeding of the treated crop foliage (bean and pea vines/forage and straw/hay, sorghum forage, fodder/stover and hay, lentil forage and hay, and cotton forage) by livestock.

This restriction is being required in lieu of providing the appropriate supporting residue chemistry studies under 171-4 (Magnitude of the Residue in Plants) as required under the Malathion Reregistration Standard, February 1988.

EPA Reg. No. 2217-143 Only

e. In the directions for use in "Facility Treatments Before Filling or Storing Grain (Commodities)", specify corn, barley, oats, rye and wheat as the commodities that are to be stored in the treated facilities.

EPA Reg. No. 2217-345 Only

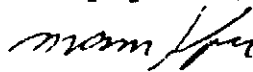
f. Reinstate the following statement which appeared on your label accepted June 6, 1989 directly underneath the ingredient statement.

"Contains xylene range aromatic petroleum solvent."

If this condition is not complied with, the registrations will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the products bearing the amended labeling constitutes acceptance of this condition.

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

Sincerely yours,



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

**BEST COPY AVAILABLE**

# 57% MALATHION EMULSIFIABLE

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~~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

### STATEMENT 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 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

934/1093 APXXXXXX  
EPA REG. NO. 2217-143  
EPA EST. NO. 2217-KS-1  
Mfd by PBI/GORDON CORPORATION  
KANSAS CITY, MISSOURI 64101

REGISTERED  
EPA COMPLIANT  
in EPA Label Code

FEB 12 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended for the pesticide  
registered under EPA Reg. No.  
2217-143

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

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**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.

**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 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.

**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 CONTAINERS:** 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.

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.

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### FACILITY TREATMENTS BEFORE FILLING OR STORING GRAIN (COMMODITIES)

A residual malathion spray may be applied indoors to the walls, floors, and machinery in grain elevators or on the farm storage facilities. This residual treatment may be applied to all sections of the storage/warehouse facilities and the truck beds, boxcars, and ships' hold. Mix 1.0 gallon of Gordon's 57% Malathion Emulsifiable with 25 gallons of water or prepare a 4.0% vol./vol. spray concentration. Spray all surfaces to the drip point and apply to cracks, crevices, baseboards, floors, under storage platforms, behind equipment, lower parts of walls, or protected sections. Also, the same spray concentration of 4.0% vol./vol. may be applied outside around the bins, elevators, or storage facilities to provide residual protection.

Table 1: Uses, dosage rates, harvest intervals, and comments for the foliar application of Gordon's 57% Malathion Emulsifiable

For Use On	To Control	In 100 Gallons	In 1 Gallon	Days To Harvest <sup>(1)</sup>	Comments
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.
	Woolly Apple Aphid, Forbes Scale, Green Apple Aphid, Rosy Apple Aphid	1 pint 1-1/2 pints	1 tsp. 1-1/2 tsp.	2	
Tomatoes	Spider Mites, Aphids	1 1/2 pints 1 pint	1 1/2 tsp. 1 tsp.	1	Make one or more foliar applications as needed.
Beans (Dry and Succulent)	Mexican Bean Beetles, Spider Mites, Leafhoppers	2 pints	2 tsp.	1	Make one or more foliar applications as needed.
Peas	Pea Aphid	2 pints	2 tsp.	3	Make one or more foliar applications. Do not use pea vines for forage.
White Potatoes	Aphids	2 pints	2 tsp.	0	
Cabbage, Broccoli, Kale, Mustard, Turnip	Aphids, Imported Cabbage-worm	2 pints	2 tsp.	7 3 7 3	Do not use pea vines for forage. Make full coverage applications. Repeat as necessary.
Alfalfa for seed	Aphids	2 pints per acre in at least 10 gallons of water		0	Do not apply during bloom.

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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.  Do not spray ferns, viburnum, crassula, or canaetri juniper because of injury.
	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.		

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

<sup>(1)</sup>Days to harvest refers to the interval or number of days before harvest for the last application of malathion.

~~LIQUID FLY BAIT: To control House and Stable Flies in Bams, Feed Lots, Poultry houses, Utility buildings 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 AND DISCLAIMER.**

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

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The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.