



PM14

2217-520

189

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

S453387

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. 2 of 4

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."

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

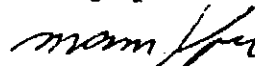
f. Reinstate the following statement which appeared on your label accepted June 6, 1989 directly underneath the ingredient statement.

"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

GORDON'S MALATHION

CONTAINS 5 LBS. MALATHION PER GALLON

ACTIVE INGREDIENT:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate 55.2%
INERT INGREDIENTS 44.8%
TOTAL 100.0%

CONTAINS XYLENE RANGE AROMATIC PETROLEUM SOLVENT.

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 _____ GALLONS

XXX/1093 APXXXXXX
EPA REG. NO. 2217-520
EPA EST. NO. 2217-KS-x
Mfd by PBI/GORDON CORPORATION
KANSAS CITY, MISSOURI 64101

ACCEPTED
with COMMENTS
in EPA Letter Dated
FEB 12 1996
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
2217-520

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

117

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. Do not apply directly to water, 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. Keep separate from other pesticides, from fertilizers, food, or feed during storage to prevent cross-contamination.

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: FOR 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. **FOR 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.

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.

GORDON'S MALATHION contains 5 lbs. malathion per gallon and is formulated to enable the user to prepare dilutions of varying concentrations. The amount of water depends upon the type of spray equipment used, the amount of vegetation and the pest to be controlled. The amount of malathion used should conform to the recommendations given, regardless of the amount of water necessary; to obtain proper and even coverage of the area or plants to be sprayed.

CROPS AND INSECTS	RATE per ACRE*	PRE-HARVEST INTERVAL**
COTTON: Boll Weevil, Thrips, Lygus Bug. Leafhoppers, White Flies, Brown Cotton Leafworm, Cotton Leaf Perforator, Desert Spider Mite, Cotton Aphid.	1 - 2 Qts. 1 1/2 - 2 Pts.	-----*** -----***
ALFALFA & CLOVER: Aphids, Potato Leafhopper, Spider Mites, Alfalfa Weevil Larvae, Spittlebug, Grasshoppers, Spotted Alfalfa Aphid, Lygus Bug. <i>Do not apply during full bloom. Use higher rates for taller alfalfa and clover.</i>	1 1/2 - 2 Pts.	May be applied on the day of harvest.
BARLEY, OATS, RYE, WHEAT (Grain forms): English Grain Aphid, Greenbugs, Cereal Leaf Beetle. <i>Apply as needed and use in sufficient water for good coverage.</i> Armyworms.	1 1/2 - 2 Pts. 2 Pts.	7 days 7 days
PEPPERMINT, SPEARMINT: Aphids, Spider Mites, Leafhoppers. <i>Use in sufficient water for good coverage.</i>	1 1/2 Pts.	7 days
RICE (Grain form): Rice Leaf Miner. <i>Apply soon after first rice blades appear on surface of the water.</i> Rice Stink Bug. <i>Apply by airplane during early milk or dough stage. Repeat as necessary. Mix with approximately 3 to 10 gallons per acre, consistent with crop growth and good coverage.</i>	2 1/2 Pts. 1 - 1 1/2 Pts.	7 days 7 days
SUGAR BEETS: Aphids, Spider Mites. Apply as needed and repeat if necessary. Do not use within 7 days of harvest if tops are to be used for feed.	4 1/2 Pts.	---
TOBACCO: Aphids (Field). Plant Beds, 2 pts. per 100 gals. of water but not within 3 days of transplanting. Apply at the rate of 5 gals. of finished spray per 100 sq. ft.	4 - 1 1/2 Pts.	7 days***
ASPARAGUS: Thrips Apply on foliage as needed.	4 1/2 - 2 Pts.	1 day
BEANS (Dry and Succulent): Mexican Bean Beetles, Leafhoppers, Spider Mites, Japanese Beetle.	1 1/2 - 2 Pts.	1 day***
BEETS: Aphids	1 1/2 - 2 Pts.	7 days***
BRUSSELS SPROUTS, CAULIFLOWER, CABBAGE, BROCCOLI, KALE, KOHLRABI, TURNIP, MUSTARD GREENS, CARROTS: Aphids, Imported Cabbageworm, Cabbage Looper, Leafhoppers.	1 1/2 - 2 Pts.	7 days***
CELERY: Aphids, Spider Mites	1 1/2 Pts.	7 days***
COLLARDS, SWISS CHARD, PARSLEY: Aphids	1 1/2 - 2 Pts.	7 days***

6 of 1

CROPS AND INSECTS	RATE per ACRE*	PRE-HARVEST INTERVAL**
CUCUMBERS, SQUASH, MELONS, PUMPKINS*: Aphids, Spider Mites, Pickleworm. Cucumber Beetles. Squash Vine Borer. <i>Do not apply to cucumbers unless plants are dry.</i>	1 1/2 Pts. 2 Pts. 3 Pts.	1 day*** for cucumbers, squash, and melons *3 days for pumpkins
EGGPLANT, PEPPERS: Aphids Spider Mites, Lace Bug, Pepper Maggots	1 Pt. 3 Pts.	3 days*** 3 days
LEAF LETTUCE, SPINACH : Aphids, Mites, Cabbage Looper, Leafhoppers	2 Pts.	14 days for leaf lettuce 7 days for spinach
ONIONS, GARLIC: Thrips Onion Maggots	1 1/2 Pts. 2 1/2 Pts.	3 days*** 3 days***
PEAS: Pea Aphid, Pea Weevil. <i>Apply in early bloom period before eggs are laid and repeat as necessary.</i>	1 1/2 - 2 Pts.	3 days***
OKRA: Aphids, Japanese Beetles. <i>Do not apply after pods have started to form.</i>	1 1/2 Pts.	1 day
WHITE POTATOES: Aphids, Leafhoppers, Mealybugs	1 - 1 1/2 Pts.	0 days***
RADISHES, PARSNIPS, SALSIFY, HORSERADISH, RUTABAGAS**: Aphids	1 1/2 - 2 Pts.	7 days*** for radish, horseradish, parsnips, salsify ***3 days for rutabagas
TOMATOES: Spider Mites, Aphids, Tomato Russet Mite, Drosophila	2 1/2 Pts.	1 day***
STRAWBERRIES: Aphids, Spider Mites, Lygus Bugs, Spittlebugs, Field Crickets. Potato Leafhopper, Strawberry Leafroller, Whiteflies. Strawberry Root Weevil <i>For Strawberry Root Weevil control, apply to the soil and incorporate the spray in the top 6 to 8 inches of soil before planting.</i>	1 1/2 Pts. 1 1/2 - 3 Pts. 1 1/2 - 2 1/2 Pts.	3 days*** 3 days*** 3 days

CROPS AND INSECTS	RATE PER 100 GALLONS OF WATER	RATE PER ACRE	PRE-HARVEST INTERVAL**
<p>APPLES, PEARS, CHERRIES, PLUMS & PRUNES: <i>Cover trees completely. Malathion in summer sprays may cause injury to certain varieties of sweet cherries, particularly in the Northwest.</i></p> <p>Cherry Fruit Fly, Forbes Cherry Fruit Fly, Forbes Scale, Bud Moth, San Jose Scale.</p> <p>Black Cherry Aphid, Cherry Fruit Tree Leaf Roller, Tent Caterpillar.</p> <p>Mealybug, European Red Mite, Clover Mite, Two-spotted Mite, Codling Moth, Plum Curculio, Red-banded Leaf Roller.</p> <p><i>Apply as needed and repeat at 10 day intervals until insects are controlled. The rates for use on cherries are based upon a standard of 400 gallons dilute spray pre acre for mature trees.</i></p>	<p>1 Pt.</p> <p>1 1/2 Pts.</p> <p>2 Pts.</p>		<p>3 days</p> <p>3 days</p> <p>3 days</p>
<p>APRICOTS, PEACHES: Codling Moth, Orange Tortrix, European Lecanium Scale, Soft Brown Scale, Aphids. Green Peach Aphid, Black Cherry Aphid, Black Peach Aphid, Rusty Plum Aphid.</p> <p><i>The rate for use on apricots is based on a standard of 300 gallons of dilute spray for mature trees.</i></p>	<p>1 1/2 - 2 Pts.</p> <p>1 Pt.</p>		<p>7 days***</p> <p>7 days***</p>
<p>FILBERTS: Filbert Aphid, Apple Mealybug, Eye-spotted Bud Moth, Scale (Crawlers Stage), Thrips.</p>	<p>1 Pt.</p>		<p>0 days***</p>
<p>PECANS: Spider Mites, Aphids</p>	<p>1 - 2 Pts.</p>		<p>0 days***</p>
<p>GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGERINES, TANGELOS, KUMQUATS: California Red Scale, Yellow Scale, Purple Scale, Black Scale (Single Brooded), Soft Scale, Citricola Scale.</p> <p>Florida Red & Purple Scales (light and medium infestations).</p> <p>Thrips</p> <p><i>Do not apply when trees are in bloom.</i></p>	<p>1 - 2 Pts.</p> <p>2 Pts.</p>	<p>2 1/2 Pts. per 200 gals. per acre</p>	<p>7 days***</p> <p>7 days***</p> <p>7 days***</p>
<p>BLUEBERRIES: Japanese Beetle.</p> <p><i>Apply when first berries turn blue and repeat at 10 day intervals as long as necessary. The rates for use on blueberries are based upon a standard of 200 gallons of dilute spray per acre.</i></p>	<p>3/4 Pt.</p>	<p>1 1/2 Pts. per acre</p>	<p>1 Day</p>
<p>BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES: Mites, Thrips, Leafhoppers, Japanese Beetle. Aphids, Rose Scale.</p>	<p>1 1/2 Pts.</p>	<p>3 Pts</p>	<p>1 day***</p>
<p>CRANBERRIES: Leafhoppers, Blackheaded Fireworm, Spittlebug Nymphs, Cranberry Fruitworm.</p>	<p>1 1/2 Pts.</p>		<p>3 days***</p>

CROPS AND INSECTS	RATE PER 100 GALLONS OF WATER	RATE PER ACRE	PRE-HARVEST INTERVAL**
GRAPES: Leafhoppers, Spider Mites, Mealybugs. <i>Injury may occur on Ribier, Italia, Cardinal & Almeria varieties if applied after clusters appear. The rates for use on grapes are based upon a standard of 200 gallons of dilute spray per acre.</i>	1 1/2 Pints		3 days***

***Apply as needed and repeat as necessary.

ORNAMENTAL PLANTS AND INSECTS	RATE (Per 100 Gallons of Water)	INTERVAL (Last Application to Harvest)
ORNAMENTALS: Oyster Shell Scale, Lace Bug, Euonymus Scale Aphids, Mealybugs, Spider Mites, Whitefly, Four-lined Leaf Bug, Thrips, Rose Leafhoppers, European Pine Shot, Moths, Scurfy Scale, Birch Leaf Miner, Boxwood Leaf Miner, Bagworms, Tent Caterpillar, Azalea Scale, Oak Kermes, Pine Leaf Scale, Magnolia Scale, Fletcher Scale, Florida Red Scale, Juniper Scale, Black Scale Crawlers, Monterey Pine Scale, Soft Scale, Pine Needle Scale. <i>Apply as needed and repeat as necessary. Injury may occur on Ferns, Hickory, Viburnum, Lantana, Crassula and Canareti Juniper. Slight injury has also been reported on Boston, Pteris, and Maidenhair Ferns, Petunias, Small-Leaf Spirea, White Pine and Maples.</i>	2 1/2 Pts. or 2 Teaspoonfuls per gallon of finished spray	0 days

CROPS AND INSECTS	RATE PER ACRE	INTERVAL (Last Application to Harvest)
PASTURE & RANGE GRASS: Grasshoppers. <i>Apply when needed and repeat as necessary. Do not use on grass hay to be sold commercially.</i>	1 1/2 - 2 Pts.	7 days
WASTELANDS, ROADSIDES, SOIL-BANK: Grasshoppers <i>Apply as needed and repeat if necessary before movement to crop areas takes place.</i>	1 1/2 - 3 Pts.	0 days
FIELD CORN (Grain or Forage): Aphids, Sap Beetles, Thrips, Grasshoppers (Young), Corn Rootworm Adults, Cereal Leaf Beetle. <i>Repeat as necessary.</i>	1 1/2 Pts.	5 days
RED TOP, TIMOTHY, ORCHARDGRASS, FESCUE, CANARYGRASS, BARNYARDGRASS, YELLOW FOXTAIL: Cereal Leaf Beetle.	1 1/2 Pints	May be applied on the day of harvest or grazing.

~~FLY CONTROL~~

Use 1 Quart in 12 gallons of water (2 gallons in 100 gallons of water for spraying larger areas) and apply the spray at the rate of 1 gallon per 1000 square feet (Area 25' x 40') on painted surfaces and 2 gallons per 1000 square feet on unpainted surfaces where flies alight or congregate. Addition of sugar at the rate of 2 1/2 lbs. per 12 gallons or 20 lbs. per 100 gallons of finished spray prolongs the insecticidal activity of Malathion and serves as an attractant. Do not use in milk rooms, where edible products are handled or where lactating animals or young calves are present. Avoid contamination of feed, food products, drinking fountains and feed troughs.

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.