

2nd Left Side Panel - Cont'd

NOTE: Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

1C-8S

00-27-1

84-843

10 AUG 1983

The Chas. H. Lilly Co.
7737 NE. Killingsworth
Portland, OR 97218

300
17
101,477
3

Gentlemen:

Subject: Miller's Malathion 5E
EPA Registration No. 802-460
Your Application Dated June 27, 1983

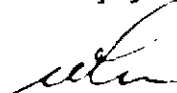
The amendment referred to above, submitted in connection with registration under Section 3(c)(7)(A), is acceptable, provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. The front panel of the label should read "Miller's Malathion 5E."
 - b. Revise the environmental hazards to read: "This product is toxic to fish, shrimp, crabs and other wildlife. Keep out of lakes, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur...."
 - c. The bee statement should appear under the heading ENVIRONMENTAL HAZARDS.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are 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 these conditions.

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

Sincerely yours,



William H. Miller
Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

RL:Miller:DCR-40268:WANG-0282C:KIM:Raven:479-2013:8/01/83

COMMUNICATIONS							
SYMBOL	72-767						
AIRNAME	Wang						
DATE	8/1/83						

Front Panel

Lilly/Miller

MALATHION 5E

(5 lbs. malathion per gallon)

Agricultural Insecticide and
Grain and Bin Spray

ACTIVE INGREDIENTS

Malathion (O,O-diethyl dithiophosphate of
diethyl mercaptosuccinate).....57.5.
Aromatic Petroleum Derivative Solvents.....31.1.
INERT INGREDIENTS.....11.4.

TOTAL.....100.0

Keep Out of Reach of Children

CAUTION

See left side panel for additional
precautionary statements.

NET CONTENTS: GALLON(S)

The Chas. H. Lilly Co.
Portland, Oregon 97218

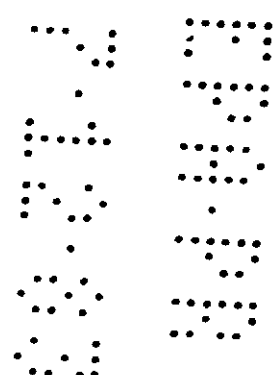
EPA Reg. No. 802-460

EPA Est. No. 802-02-1

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 19 1985

Product Pesticide,
Fungicide, or Plant Act
as amended, for the pesticide
registered under EPA Reg. No.
802-460



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CUTION. Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, do not induce vomiting. Get medical attention. If in eyes, flush with water for 15 minutes. Get medical attention.

If on skin, wash with plenty of soap and water.
Advise PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of lakes, ponds, streams. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply where weather conditions favor drift from treated areas.

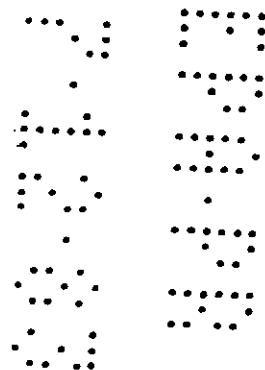
DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

RE-ENTRY STATEMENT

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. Do not enter treated areas without protective clothing until spray has dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. (Applies to foliar applications to agricultural crops.)

BEST AVAILABLE COPY



Copy for adhesive sticker per PR Notice 83-2:

RE-ENTRY STATEMENT

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: (Appropriate signal word DANGER, CAUTION or WARNING). Area treated with (name of pesticide) on (date of application). Do not enter without appropriate protective clothing for (insert here re-entry interval as labeled or "after dusts have settled" or "after sprays have dried") (insert here actions to take in case of accidental exposure).

The figure consists of eight diagrams arranged in a 4x2 grid, labeled 1 through 8. The left column (diagrams 1, 3, 5, 7) shows the initial state of a 2D lattice with 10 particles. The right column (diagrams 2, 4, 6, 8) shows the state after 100 iterations. In the initial state, the particles are distributed in a somewhat random pattern. After 100 iterations, the particles have clustered into two distinct groups, one on the left and one on the right, indicating a phase transition or self-organization process.

STORAGE AND DISPOSAL

STORAGE: Keep in a locked storage area.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Glass containers: Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

Metal drums: 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.

GRAIN AND LIN SEED

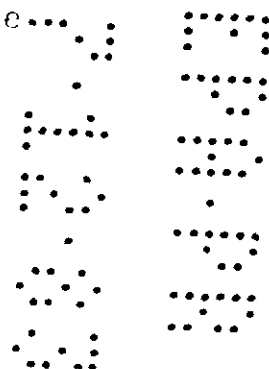
for protection against...LEAKY CORN BEETLE,
FLAT CORN BEETLE, FOREIGN CORN BEETLE, FLOUR
BEETLE, RICE WEEVIL and GRANARY WEEVIL

GENERAL INFORMATION

Miller's MALATHION 5E gives best residual protection on grain having a low moisture content. When moisture exceeds 12%, the efficiency of treating begins to diminish and at 14 to 15% moisture, results may be poor.

The use of Miller's MALATHION 5E does not add dockage to the grain and the amount of water used for application is negligible.

Miller's MALATHION 5E, used as directed, has no adverse effect on germination and may be used on wheat and other grain to be used for feed or processed for food.



2nd Left Side Panel - Cont'd

PROTECTION FOR GRAIN GOING INTO BINS

Wheat, Oats, Corn, Rye, Barley, Grain Sorghum,
Field and Garden Seeds

Use 1 pint in 1 to 5 gallons of water for each 1000 bushels of grain. For Oats, use 1 pint in 2 to 5 gallons of water for each 1000 bushels.

Apply:

1. Spray onto the grain during loading or as it is being turned for final storage.
2. Introduce spray to the grain at one convenient place such as at the base of augers, or along conveyors. Any standard spray applicator that can be calibrated is suitable. Adjust flow of grain and volume of spray to apply proper amount. Tumbling action of grain during elevating or spilling assures thorough mixing.
3. For hand-scooped grain, the surface of the grain in the bin can be sprayed periodically as the grain is scooped in.

SURFACE PROTECTION FOR INDIAN MEAL MOTH

Use 1 pint in 1 to 2 gallons of water for each 1000 sq. ft. of grain surface area in the bin.

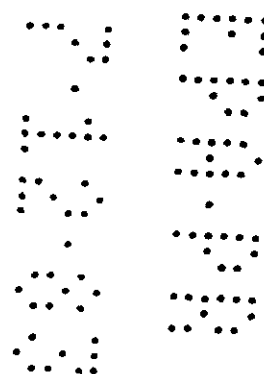
Apply:

1. Spray evenly onto the surface of the grain immediately after bins are filled.
2. Treatment should be repeated if necessary.

CLEAN UP SPRAY

Empty Bins, Box Cars, Trucks, Ships' holds, Grain Handling Equipment, Elevators.

In Ships' Holds, wear respirators to prevent breathing of fumes or dust into throat and lung. Wear protective clothing to prevent as much of the skin as possible from exposure.



2nd Left Side Panel - Cont'd

Prepare: Clean up all insect breeding places by thoroughly sweeping and brushing walls, floors, braces and ratters in bins, trucks and ships' holds; lodging places for debris and spilled grain in elevators, conveyors, boots, pits, head houses and distributors. Remove and burn sweepings.

Use 1 gallon in 25 gallons of water.

Apply:

1. Spray all surfaces exposed to grain during storage and handling to the point of run-off. Make particularly sure that spray is forced into cracks, crevices, and other hard-to-reach places.
2. Use any hand or power sprayer that will develop enough force to drive spray into cracks and crevices.
3. This spray should be applied to the outside of bins to help prevent reinfestation.

Note: Area around storage building should be kept free from weeds, debris, spilled grain, and uncleaned handling equipment to eliminate outside breeding places for stored grain insects.

Right Side Panel

AS AN AGRICULTURAL INSECTICIDE MIXING DIRECTIONS

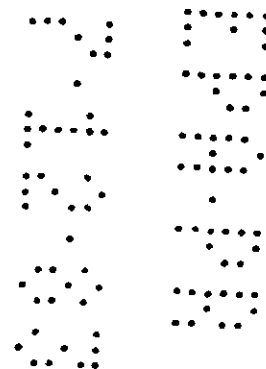
Carefully add required amount of Miller's Malathion 5E into partially filled spray tank, with agitator running, then add remaining amount of water to complete filling. Or, add Miller's MALATHION 5E to equal amount of water and stir until creamy emulsion is formed, then add to spray tank. Continued agitation during mixing and spraying operations is recommended.

USE RECOMMENDATIONS

Apply recommended amounts for individual crop on first appearance of insect, or when insect injury is first noticed. Repeat sprays as necessary.

The amounts given are in pints of Miller's MALATHION 5E per 100 gallons of water and/or pints per acre. When applying by aircraft use 10 to 20 gallons per acre; ground equipment, 20 to 100 gallons; being sure to use sufficient water for thorough coverage of crop.

Do not apply or allow to drift to areas occupied by unprotected birds or beneficial animals or onto adjoining food, fibre or pasture crops. This product is highly toxic



Right Side Panel - Cont'd

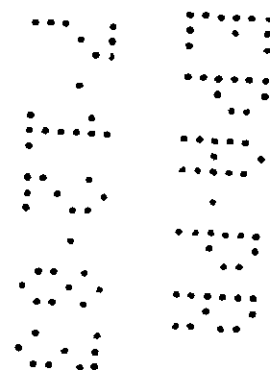
to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Consult State Agricultural Experiment Station or State Extension Service Authorities for additional information consistent with label directions and cautions including exact timing and spacing of sprays in your area.

SPECIFIC DIRECTIONS

*Days indicated below represent number of days between last application and harvest. See the recommendations for amount of water to use with recommended pints per acre.

CROP AND PEST	Pints per 100 gal.	Pints per acre	*Days before harvest
APPLES-Woolly Apple Aphid, Bud Moth...	1	6-1/5 to 8	3
Green and Rosy Apple Aphid.....1		6-7/5 to 8	3
Codling Moth, Plum Curculio, Red-banded Leaf Roller.....2		6-7/5 to 8	3
This product may injure McIntosh and Courtland varieties of apples if applied within 4 weeks of harvest.			
APRICOTS-Codling Moth, Aphids.....1	to 2	6-7/5 to 8	1
CHERRIES-Black Aphids, Fruit Tree Leafroller.....1		6-7/5 to 8	3
PEARS-Pear Psylla, Mealybug.....1 to 2		6-7/5 to 8	1
Codling Moth, Plum Curculio, Fruit Tree and Red-banded Leafrollers.....2		6-7/5 to 8	1
PLUMS, PRUNES-Mealy-Plum Aphid, Bud Moth.....1		6-7/5 to 8	3
BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, RASPBERRIES-Mites, Thrips, Leafhoppers.....1		2-4/5	1
STRAWBERRIES-Aphids, Spider Mites.....1		1 3/5 to 3-1/5	3



2nd Right Side Panel:

CROP AND PEST	Pints per 100 gal.	*Pints per acre	*Days before harvest
PEAS, Spider Mites, Mexican Bean Beetle.....	1 $\frac{1}{2}$	2	1
Aphids.....	2	2	1
PEAS-Aphids.....	1-3/5	1-3/5 to 2	7
POTATO, TURNIP Aphids, Reported Cabbage Worm, Cabbage Looper.....	1 to 2	2	3
CABBAGE, BROCCOLI SPINACHES, RAIL, MUSTARD-Aphids, Reported Cabbage Worm, Cabbage Looper.....	1 to 2	2	7
CABBAGE-Thrips.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	3*
*Make no applications within 3 days of harvest on Green Onions.			
POTATO Aphid.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	3*
*7 days if forage is to be fed to livestock.			
PAPPEES, EGGPLANT-Aphids.....	1	1-3/5	3
POTATOES Aphids, Leafhoppers.....	1	1 to 2	0
SPINACH Aphids.....	1	1-3/5 to 2	7
POTATO Spider Mite.....	1 $\frac{1}{2}$	2	1
Aphids.....	1	2	1
ALFALFA, CLOVER Aphids, Potato Leafhopper, Spider Mites, Alfalfa Weevil-Larvae.....	1 to 2	1 to 2	0
GRASS (Range and Pasture) Grasshoppers, Leafhoppers, Aphids.....	1-3/5 to 1	1-3/5 to 1	0
For grasshoppers, apply when hatching of dominant species is completed and before eggs are laid.			
WATERMELONS-Aphids, Spider Mites, White Fly, Thrips, Mealbugs, Leafhoppers.....	1 $\frac{1}{2}$		
Tent Caterpillars.....	2		
Injury may occur to certain ferns including Boston, Maidenhair, and Pteris, as well as some species of Crassula.			

FLY CONTROL

For use in and around buildings which house domestic animals, around yards, around houses, and around meat processing establishments.

Concentrated Malathion Spray

Amount of Concentrated Malathion Spray	Amount of Miller's MALATHION 5E
1 qt.	1 cup
1 pt.	1 qt.
1 gal.	2 gal.

Bait Spray 500

Sugar	or	Pea or Corn Meal	or	Pea or Corn Meal
1 cup		1 cup		1 cup
1 pt.		1 qt.		1 qt.
1 gal.		2 gal.		2 gal.

