

FM14

8590-36

10/27/88

ADVERTISING AND SALES PROMOTION SERVICES

FORM

FOR: AGWAY MALATHION 5E

DATE: 10/27/88

((FRONT PANEL))

NET CONTENTS

1 gal glass  
5 gal ~~30 gal~~

AGWAY  
MALATHION 5E

**ACCEPTED**  
MAY 24 1989  
Under the Federal Insecticide, Fungicide, and  
Rodenticide Act, as amended, for the  
pesticide registered under  
EPA Reg. No. 8590-36

ACTIVE INGREDIENTS:

Malathion: 0,0 - dimethyl phosphorodithioate of diethyl  
Mercaptosuccinate 55.00%

ethylene range aromatic solvent 36.20%

INERT INGREDIENTS: 8.80%

TOTAL 100.00%

KEEP OUT OF REACH OF CHILDREN (12 pt)

CAUTION (18 pt)

See additional precautionary statements on side panel.

Agway Inc.  
PO Box 4741  
Syracuse, NY 13221

EPA Reg. No. 8590-36

EPA Est. No. 8590-PA-1

ON BY

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FOR:

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((REAR PANEL))

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Do not breathe spray mist. Do not get in eyes or on skin.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, do not induce vomiting. Get medical attention immediately.

If in eyes, flush with plenty of water. Call a physician.

If inhaled, remove victim to fresh air. Apply artificial respiration, if indicated.

If on skin, remove contaminated clothing. Wash affected areas with soap and water. Wash clothing before reuse.

NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water except as specified on this label. 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 CHEMICAL HAZARDS

Do not use or store near heat and open flames.

STORAGE & DISPOSAL (12 pt)

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Do not reuse empty container. Open dumping is prohibited.

STORAGE: Do not store next to or transport in or on vehicles containing food or feed. Keep pesticide in original container in a cool, dry area and out of the

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reach of children and animals. Not for storage in or around the home. Do not store in areas where temperatures frequently exceed 100°F.

**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:**

(1 gal glass) Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.

(5 gal, 30 gal 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.

**RE-ENTRY**

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. 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.

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. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

**CAUTION**

(Insert area or field description) treated with Malathion on (insert date of application). Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Malathion and describe his condition. For further information see the "Statement of Practical Treatment".

Oral warnings must include the same information that is in the written warnings.

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DIRECTIONS FOR USE

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

READ THESE ENTIRE DIRECTIONS AND DISCLAIMER. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS, WARNINGS AND DIRECTIONS.

POULTRY: DIRECT APPLICATION: For the control of Northern fowl mite, Poultry lice, and as a supplement to premise treatments for Chicken red mite, mix two tablespoons of Malathion 5E per gallon of water. Apply 1 gallon of the diluted mixture per 100-150 birds. Repeat in 4 to 8 weeks, or when necessary.

POULTRY HOUSES: SPRAYS: For the control of Northern fowl mite, Chicken red mite, Poultry lice and Flies, apply 4 tablespoons of Malathion 5E per gallon of water liberally to walls, ceilings, roosts, pests and adjacent areas, taking care to force the spray into all cracks and crevices.

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For the control of Poultry ticks, apply 6-7 ounces of Malathion 5E per gallon, applying liberally to walls, ceilings and adjacent areas, taking care to force the spray into all cracks and crevices. Repeat as necessary. Use a high-pressure sprayer for surface sprays.

ROOST PAINT: For the control of Chicken red mite and Poultry lice, mix 4 tablespoons of Malathion 5E per gallon of water. Brush on this dilution as a roost paint at the rate of 1 pint per 150 feet of roost. Repeat as necessary. Avoid contamination of feed, feeding troughs and water fountains with spray and dusts.

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ORNAMENTALS: Use 3/4 teaspoon per gallon of water (3/4 pint per 100 gallons) to control cherry aphid, green apple aphid, rosy apple aphid, snowball aphid. Use 1 1/2 teaspoons per gallon of water (1 1/2 pints per 100 gallons) to control Japanese beetle adults, bagworm, birch leaf miner, elm leaf miner, locust leaf miner, boxwood psylla, gall mites, lace bugs, mealybugs, boxwood mites, European red mite, honey locust mite, oak mite, southern red mite, 2-spotted mite, cottony scale, lecanium scale, oyster shell scale, pine bark aphid. Use 2 1/2 teaspoons per gallon of water (2 1/2 pints per 100 gallons) to control juniper scale, magnolia scale, tulip tree scale.

NOTE: Make thorough, full coverage applications and repeat as necessary. Injury may occur on certain ferns and on some species of crassula and canoerti juniper.

FORAGE: ALFALFA: For control of aphids including yellow clover aphid, potato leafhopper, spider mites, apply 1 1/2 pints with 20 to 40 gallons of water per acre, when legumes are 4 to 8 inches tall. Do not apply to alfalfa in bloom. Do not apply within 7 days to harvest or pasturing. Do not apply during full bloom.

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BARLEY, CORN, OATS AND WHEAT: For control of cereal leaf beetle.

Ground application: Apply 1-1½ pts. of Malathion 5E in 7 to 15 gallons of water per acre on foliage when adults or larvae become numerous in the spring. For best results air temperatures should be 65°F. during and after application.

Aerial Application: Apply 1-1½ pts. of Malathion 5E in no less than 1 gallon of water per acre on foliage when adults or larvae become numerous in the spring. Apply at a height of no more than 10 feet and at wind speed of 8 mph or less.

Do not apply within 7 days of harvest or forage use. Make no application on corn within 5 days of harvest.

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FIELD AND GARDEN SEEDS: For control of confused flour beetle, granary weevil, saw-toothed grain beetle, flat grain beetle, lesser grain borer and Indian meal moth, apply  $\frac{1}{2}$  pint of Malathion 5E in 2 gallons of water per 500 bushels of seed.

TIMING OF APPLICATION: Timing and rate of application vary as a result of local conditions. Since these conditions are unknown to manufacturer, you must satisfy yourself as to local requirements. Your State Agricultural Extension Service may be able to give you information.

## VEGETABLES

LETTUCE: For control of six-spotted leafhopper (a vector of lettuce yellows disease), apply at rate of 1 quart in 35 to 40 gallons of water per acre beginning when lettuce is 1/2 inch high. Do not apply within 14 days of harvest on leaf lettuce. Do not apply within 7 days of harvest on head lettuce.

ASPARAGUS: To control the asparagus aphid, apply at the rate of 2 pints per acre. Apply when aphids are first seen and repeat as often as necessary for good control.

Make no application within one day of harvest.

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TOMATOES: To control spider mites, make one or more applications, as needed, of a spray containing 1½ pints (15 ounces actual Malathion) per 100 gallons of water.

Do not apply within 10 days of harvest.

PEAS: To control pea aphid, make one or more applications, as needed, of a spray containing 1½ pints (15 ounces actual Malathion) per acre. Do not apply within 14 days of harvest.

BEANS: To control Mexican bean beetle, make two or more applications, as needed, of a spray containing 1½ pints (15 ounces actual Malathion) per 100 gallons of water.

To control spider mites, make two or more applications, as needed, of a spray containing 1 to 1½ pints (10 to 15 ounces actual Malathion) per 100 gallons of water.

Do not apply within 10 days of harvest.

CABBAGE, BROCCOLI, KALE, MUSTARD and TURNIPS:

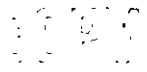
To control aphids, imported cabbage worm and cabbage looper, apply 1 to 2 pints (10 to 20 ounces actual Malathion) in 100 gallons of water.

Make full coverage applications, repeated as necessary.

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Do not apply within 10 days of harvest.

POTATOES: To control aphids, make one or more applications, as needed, of a spray containing 1 pint (10 ounces actual Malathion) per 100 gallons of water.

Do not apply within 10 days of harvest.

EGGPLANT: To control spider mites and aphids, apply 1 pint (10 ounces actual Malathion) per 100 gallons of water. Repeat applications, as needed.

To control lacebug, apply 3 pints (30 ounces actual Malathion) per 100 gallons of water.

Do not apply within 7 days of harvest.

CUCUMBERS, SQUASH and MELONS: To control aphids and spider mites, use 1½ pints (15 ounces actual Malathion) per 100 gallons of water. Repeat applications as necessary.

Apply ONLY when plants are dry.

Do not apply within 10 days of harvest.

PEPPERS: To control aphids, apply 1 pint (10 ounces actual Malathion) per 100 gallons of water.

Do not apply within 7 days of harvest.

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BEETS: To control aphids, apply 1½ to 2 pints (15 to 20 ounces actual Malathion) per 100 gallons of water. Make full-coverage application, repeated as necessary.

Do not apply within 10 days of harvest if tops are to be used as food.

## FRUITS & NUTS

APPLES: To control spider mites such as European red mite, two-spotted mite, Willamette mite and clover mite, make two or more applications, as needed, of a spray containing 1 to 2 pints of this product (10 to 20 ounces actual Malathion) per 100 gallons of water. For certain mites such as two-spotted and Willamette, use at least two applications 10 to 12 days apart during summer months.

To control wooly apple aphid and budmoth, make one or more applications, as needed, of a spray containing 1 pint (10 ounces actual Malathion) per 100 gallons of water.

To control green aphid and rosy apple aphid, make one or more applications, as needed, of a spray containing 1½ pints (15 ounces actual Malathion) per 100 gallons of water.

To control Forbes scale, apply 1 pint (10 ounces actual Malathion) per 100 gallons of water.

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Make two or three thorough spray applications.

To control coddling moth, plum curculio and red-banded leaf roller, use 2 pints (20 ounces actual Malathion) per 100 gallons of water. Repeat application as necessary.

Fruit injury may occur to McIntosh and Cortland varieties if spray is applied within 4 weeks of harvest.

Do not apply within 10 days of harvest.

PEARS: To control spider mites, see directions under apples. To control pear psylla, make one or more applications, as needed, of a spray containing 1 to 2 pints (10 to 20 ounces actual Malathion) per 100 gallons of water.

To control coddling moth, plum curculio, fruit tree leaf roller, and red-banded leaf roller, use 2 pints (20 ounces actual Malathion) per 100 gallons of water. Repeat applications as necessary. Injury may occur under certain conditions in the Northeast on Bosc pears.

Do not apply within 10 days of harvest.

PEACHES: To control oriental fruit moth and plum curculio, use 2 pints (20 ounces actual Malathion) per 100 gallons of water. Repeat

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applications as necessary.

Do not apply within 14 days of harvest.

PLUMS AND PRUNES: To control mealy plum aphid, apply 1 pint (10 ounces actual Malathion) per 100 gallons of water. Repeat applications as necessary.

Do not apply within 10 days of harvest.

PECANS: To control spider mites and aphids, apply 1½ to 2 pints (15 to 20 ounces actual Malathion) per 100 gallons of water. Make full-coverage spray applications, repeated as necessary.

CRANBERRY: To control leafhoppers, black-headed fireworms, spittlebug nymphs and cranberry fruitworms, apply 1½ pints (15 ounces actual Malathion) per 100 gallons of water. Do not apply within 14 days of harvest.

CHERRIES: To control black cherry aphid and fruit tree leaf roller, use 1½ pints (15 ounces actual Malathion) per 100 gallons of water. Repeat applications if necessary. Injury may occur on certain varieties of sweet cherries, particularly in the Northwest.

Do not apply within 10 days of harvest.

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GRAPES: To control grape leafhopper in California and the Southwest, make one or more applications, as needed, of a spray containing 1½ pints (15 ounces actual Malathion) per 100 gallons of water.

To control spider mites make two or more applications, as needed, of a spray containing 1½ pints (15 ounces actual Malathion) per 100 gallons of water.

To control mealybugs, use 1½ pints (15 ounces actual Malathion) in 50 to 100 gallons of water per acre.

Injury may occur on Ribler grapes.

Do not apply within 14 days of harvest.

Mosquito Control

Mosquito larvae - use 13 fl. oz. per acre. For use on standing water (intermittently flooded area, stagnant water, temporary rain pools).

Mix in sufficient water or oil when applied by air or ground equipment.

Mosquitoes - Use 1 part to 28 parts water, fuel oil or diesel fuel. Spray building foundations, shrubs, low trees and lawn areas.

Outdoors - Mosquitoes, Flies, and Small-flying

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Insects: As a spray dilute Malathion <sup>5E</sup> ~~578 E.C.~~  
1 part to 28 parts water, fuel oil or diesel  
oil. AVOID APPLYING OIL BASED FORMULA TO  
VALUABLE ORNAMENTAL PLANTS AS INJURY MAY OCCUR.

FLIES: For the control of flies in and around  
yards and around homes, apply a spray containing  
2 gallons of this product (10 pounds actual Mala-  
thion) in 100 gallons of water. Apply the spray  
at the rate of one gallon per 1,000 square feet  
on painted surfaces, and two gallons per 1,000  
square feet on unpainted surfaces where flies  
alight or congregate, such as walls, ceilings,  
stanchions, windows in dairy barns, fences, around  
garbage cans, etc. Repeat application as neces-  
sary. For a bait spray, use 2 gallons of this  
product with 2 gallons of unsulfurized molasses  
or corn syrup, or 20 pounds of sugar per 100  
gallons of water. Use 3 gallons of this pro-  
duct (15 pounds actual Malathion) with 40  
pounds of sugar per 100 gallons if the fly popu-  
lation is severe. Repeat applications as neces-  
sary.

To control fly maggots in manure and loafing  
sheds, use 2 gallons of this product with 2  
gallons of unsulfurized molasses or corn syrup  
or 20 pounds of sugar per 100 gallons of water.

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Apply as a drench spray over the surface of manure or poultry droppings. In loafing sheds, spray the dry bedding within 18 inches of the walls and around upright braces.

Repeat applications as necessary.

For treating floors in dairy barns, use 5 ounces of this product with 1 cup of corn syrup or sugar in two gallons of water. As a spot treatment, this mixture can also be applied to windows, stanchions, support beams, doors, etc.

Repeat applications as necessary.

In conjunction with Malathion treatments in and around dairy barns and other agricultural premises, fly breeding sites, such as manure and other waste materials, should be eliminated. Do not apply to freshly white washed surfaces for 14 days.

Sugar, unsulfurized molasses or corn syrup have been found in most cases to prolong the insecticidal activity of Malathion against flies.

**MUSHROOMS**

Mites, Phorid and Sciarid Flies: Use 2½ pints in 130 gallons of water per acre (or 2 tablespoons in 3 gallons of water) per 1,000 square feet of bed. Make as thorough an application as soon as possible after picking. Repeat as necessary,

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usually twice a week.

Consult local agricultural authorities for correct timing.

Do not apply to mushrooms within 24 hours of harvest.

## CRACK AND CREVICE TREATMENT IN FOOD HANDLING ESTABLISHMENTS

### IN FOOD AREAS -

Includes areas for receiving, serving, storage, packing (canning, bottling, wrapping, boxing) preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups).

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.

As an aid in the control of ROACHES, ANTS, SPIDERS, SILVERFISH, CRICKETS, CLOVER MITES, CARPET BEETLES, DRUG STORE BEETLES, CIGARETTE BEETLES, CONFUSED FLOUR BEETLES, FLAT GRAIN BEETLES, GRANARY WEEVILS, INDIAN MEAL MOTHS, RED FLOUR BEETLES, RICE WEEVILS, RUSTY GRAIN BEETLES, AND SAW-TOOTHED GRAIN BEETLES, apply at the rate of 1 pint in 2½ gallons of water. To make an oil solution, dilute 1 part in 19 parts of a mixture consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. Apply

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in small amounts directly into cracks and crevices using a pin stream of insecticide in points such as expansion joints between different elements of construction or between equipment bases and the floor, wall voids, motor housing, junction boxes or switch boxes, conduits or hollow equipment legs where the above-named insects hide. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food processing surfaces. Repeat application as necessary. Application must be made only by a commercial pest control operator.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

IN NON-FOOD AREAS -

Includes garbage rooms, lavatories, floor drains (to sewers) entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling):

Apply as a coarse spray to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

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Repeat application as necessary. Application must be made only by a commercial pest control operator.

STORED GRAIN: In barley, corn, grain, sorghum, oats, rye, wheat and garden seeds for control of confused flour beetle, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer and Indian meal moth apply as follows:

Residual spray for treating surfaces prior to storage: Apply to walls, floors, machinery in grain elevators, truck beds, box cars or ships' holds using 1 gallon in 25 gallons of water. Make a complete coverage application after thoroughly cleaning the area to be sprayed. Remove and burn all sweepings and debris.

Grains going into storage: Apply 1 pint in 2-3 gallons of water per 1,000 bushels. Apply as the grain is being loaded or being turned into final storage.

After grains are stored: To control Indian meal moth apply 1/2 pint in 1-2 gallons of water per 1,000 square feet of grain surface area. Apply evenly over the grain surface immediately after storing and repeat if necessary.

DISCLAIMER: Buyer assumes all risks of use, storage or handling not in strict accordance with directions given herewith.

NOTE: This pesticide is to be sold ONLY in this original, unbroken package.

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