

9/6/95

PM 14

10163-21

PS 125

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
220270

Application for Pesticide - Section I

1. Company/Product Number Gowan Company/10163-21	2. EPA Product Manager	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Gowan Malathion 8	PM#	
5. Name and Address of Applicant (Include ZIP Code) Gowan Company P.O. Box 5569 Yuma, AZ 85366 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
Per PR Notice 95-2 Section II, 4(a) we are adding the highlighted advisory statements to our Malathion 8 label.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Cindy Baker	Title Registration Specialist	Telephone No. (Include Area Code)
2. Signature Cindy Baker		6. Date Application Received (Stamped)
3. Title Registration Specialist		
4. Typed Name Cindy Baker	5. Date 31 August 1995	

# GOWAN MALATHION 8

AGRICULTURAL INSECTICIDE

EMULSIFIABLE LIQUID

**ACTIVE INGREDIENT:**

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate ..... 79.5%

**INERT INGREDIENTS:** ..... 20.5%

TOTAL 100.0%

Contains 8 lbs. Malathion per gallon

## KEEP OUT OF REACH OF CHILDREN CAUTION

Organophosphate Insecticide

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Avoid contamination of feed and food.

**NOTE TO PHYSICIAN:** Malathion upon use may cause cholinesterase inhibition. Atropine is antidotal.

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

**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  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Shoes plus socks

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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### 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. 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 actively visiting the treatment area.

#### DIRECTIONS FOR USE

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

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### 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 (PPE), and restricted-entry intervals. 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.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI). Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required 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 is:

- Coveralls
- Chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber  $\geq 14$  mils, Nitrile  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Shoes plus socks

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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. Do not allow contact with treated surfaces until sprays have dried.

NET CONTENTS \_\_\_\_\_ GALLON(S)



EPA Reg. No. 10163-21  
EPA Est. No. 67545-AZ-1

Gowan Company  
P.O. Box 5569  
Yuma, AZ 85366-5569

# GOWAN MALATHION 8



P.O. Box 5569  
Yuma, AZ 85366-5569

EPA Reg. No. 10163-21  
EPA Est. No. 67545-AZ-1

### CHEMIGATION STATEMENT

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

### GENERAL USE DIRECTIONS

In order that pesticide residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only the recommended rates and intervals, and do not apply closer to harvest than specified.

Consult your State Agriculture Experiment Station or the State Agricultural Extension Service for additional information as the timing of applications needed will vary with local conditions.

Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result.

Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powders.

Rates are given in terms of pints of MALATHION 8 per acre. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations for specific crop.

Minimum days between application and harvest are given in ( ) after each crop name.

Application may be made by aircraft or by ground equipment according to the DIRECTIONS FOR DILUTION below. The amount of water needed to treat an acre varies; therefore the following directions are given to cover a broad range of applications.

### PHYTOTOXICITY ADVISORY STATEMENT

As is common with most emulsifiable concentrate formulations adverse effects, such as spotting or discoloration of the fruit or foliage can occur. Some conditions known to contribute to phytotoxicity include, but are not limited to: high temperatures, poor spray drying conditions, excessive spray runoff, certain spray mixtures, stage of crop development or tank mixes with other pesticides.

### DIRECTIONS FOR DILUTION

#### Dilute Applications

**Field and Row Crops:** Use specified rate in 20 to 60 gallons of water per acre.

**Trees and Vines:** Use specified rate in 100 to 800 gallons of water per acre.

#### Concentrate Application

**Field and Row Crops:** Use specified rate in not less than 5 gallons of water per acre.

**Trees and Vines:** Use specified rate in 20 to 100 gallons of water per acre.

#### Air Application

Use specified rate in 5 to 20 gallons of water per acre.

For Trees and Vines, use at least 10 gallons of water per acre.

### TREES AND VINES

**ALMONDS (None)-REI 12 hours:** Aphid, Peach twig borer, Red spider mite: Use 2 1/2 to 8 pints.

**APPLES (3)-REI 12 hours:** Aphid, Eyespotted bud moth, Forbes scale, Mealybugs, Mites, Pear psylla, Tent caterpillar: Use 2 to 15 pints. Codling moth, Fruitree leafroller, Plum curculio, Redbanded leafroller, San Jose Scale: Use 4 to 15 pints in dormant and delayed dormant sprays. Spray oil may be used for these applications; follow spray oil manufacturer's directions. Do not apply in bloom period. May cause injury to McIntosh and related varieties.

**APRICOTS (7)-REI 12 hours:** Aphid, Codling moth, European lecanium scale, Orange tortrix, Soft brown scale, Terrapin scale: Use 4 to 10 pints.

**AVOCADOS (7)-REI 12 hours:** Green house thrips, Latania scale, Omnivorous looper, Soft brown scale, Orange tortrix: Use 4 to 9 pints.

**BLACKBERRIES (1), BOYSENBERRIES (1), DEWBERRIES (1), LOGANBERRIES (1), RASPBERRIES (1)-REI 12 hours:** Japanese beetle, Leafhoppers, Mites, Thrips: Use 1 to 4 pints. Aphid, Rose scale: Use 2 to 4 pints.

**BLUEBERRIES (1)-REI 12 hours:** Aphids, Blueberry maggot, Blueberry tip borer, Cherry fruitworm, Cranberry fruitworm, Japanese beetle, Plum curculio, Leafrollers, Sharpnosed leafhopper, White tussock moth: Use 1 1/2 to 2 1/2 pints.

**BOYSENBERRIES:** See BLACKBERRIES

**CHERRIES (3)-REI 12 hours:** Black cherry aphid, Bud moth, Cherry fruit fly, Fruitree leafroller, Lesser peach twig borer (apply to trunk and scaffold limbs at 21 day intervals beginning with emergence) Forbes and San Jose scale: Use 2 1/2 to 8 pints. May cause injury on certain varieties of sweet cherries in the Northeast.

**CITRUS [GRAPEFRUIT, KUMQUATS, LEMONS, LIMES, ORANGES, TANGELOS, TANGERINES] (7)-REI 24 hours:** Aphids, Black scale (single and off-brooded), California red scale, Citricola scale, Orange worm, Purple scale, Soft scale, Thrips, Yellow scale: Use 7 to 25 pints. Mediterranean fruit fly: Use 1 to 8 pints. Do not apply when trees are in bloom.

**CRANBERRIES (3) Except California-REI 12 hours:** Blackheaded fireworms, Cranberry fruitworm, Leafhoppers, Spittlebug nymphs: Use 1 to 2 1/2 pints per acre.

**CURRANTS (1), GOOSEBERRIES (3)-REI 12 hours:** Japanese beetle, Mites: Use 1 to 2 pints. Currant aphid, Imported currantworm: Use 2 pints.

**DATES (7) Except California-REI 12 hours:** Nitidulid beetle: Use 2 pints.

**DEWBERRIES:** See BLACKBERRIES

**FIGS (3)-REI 12 hours:** Dried fruit beetles, Vinegar flies: Use 2 1/2 pints plus 1 to 2 gallons sulfured molasses per acre.

**FILBERTS (0)-REI 12 hours:** Apple mealybug, Eyespotted bud moth, Filbert aphid, Scale (crawler stage), Tingids: Use 2 1/2 to 3 pints.

**GOOSEBERRIES:** See CURRANTS

**GRAPES (3)-REI 24 hours:** *Drosophila*, European fruit lecanium, Grape leafhopper, Japanese beetle, Leafhopper, Mealybug, Spider mites, Terrapin scale: Use 2 to 2 1/2 pints. Injury may occur to grape berries when applications are made after bloom.

**GUAVA:** See MANGO

**LOGANBERRIES:** See BLACKBERRIES

**MACADAMIA NUTS (0)-REI 12 hours:** Green Stink bug: Use 3 to 15 pints.

**MANGO (2), PASSION FRUIT (2), GUAVA (2) Except California-REI 12 hours:** Fruit flies: Use 3/4 pint plus 1 pound partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate.

**NECTARINES:** See PEACHES

**PASSION FRUIT:** See MANGO

**PEACHES (7)-REI 24 hours, NECTARINES (7)-REI 12 hours:** Black cherry aphid, Black peach aphid, Green peach aphid, Japanese beetle, Rusty plum aphid: Use 2 1/2 to 9 pints. Cottony peach scale, Lesser peach tree borer, Plum curculio, Oriental fruit moth, San Jose scale, Terrapin scale: Use 5 to 9 pints. May be mixed with spray oil for dormant and delayed dormant applications. Follow spray oil manufacturer's directions.

**PEARS (1)-REI 12 hours:** Mealybugs, Pear psylla, Spider mites, Woolly aphid: Use 2 to 15 pints. Codling moth, Fruitree leafroller, Plum curculio, Redbanded leafroller: Use 4 to 15 pints in dormant and delayed dormant sprays. Spray oil may be used. Follow spray oil manufacturer's directions.

**PECAN (None)-REI 12 hours:** Aphid, Mites, Pecan bud moth, Pecan leaf casebearer, Pecan nut casebearer, Pecan phylloxera: Use 2 1/2 to 12 1/2 pints.

**PINEAPPLES (7)-REI 12 hours:** Mealybugs: Use 5 pints.  
**PLUMS (3), PRUNES (3)-REI 12 hours:** Eyespotted bud moth, Leafcurl plum aphid, Lesser peach tree borer, Mealy plum aphid, European red mite, Two-spotted mite: Use 5 to 10 pints. Aphid, San Jose Scale: Use 5 to 10 pints in dormant and delayed dormant application. Spray oil may be used. Follow spray oil manufacturer's directions.  
**PRUNES:** See PLUMS  
**RASPBERRIES:** See BLACKBERRIES  
**WALNUTS (None)-REI 12 hours:** Aphid, Mites, Walnut husk fly: Use 4 to 12 1/2 pints.

**FIELD AND ROW CROPS**

**ALFALFA, CLOVER (None-1 1/2 pints and less; 7-2 pint rate)-REI 12 hours:** Alfalfa weevil larvae, Aphids, Armyworms, Clover leaf weevil, Grasshoppers, Lygus bugs, Pea aphid, Potato leafhoppers, Spider mites, Spittlebug, Vetch bruchid: Use 1 to 1 1/2 pints. Use higher rate for Armyworm control. For hard to control insects, use up to 2 pints per acre. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the fields or are not hanging on the outside of hives.  
**ALFALFA, CLOVER, VETCH GROWN FOR SEED (None)-REI 12 hours:** Aphids, Leafhoppers, Lygus bugs: Use 1 to 1 1/4 pints. Apply to plants in bloom only in the evening or early morning when bees are not working in the fields or are not hanging outside the hives.  
**AMARANTH:** See DANDELION  
**ARRUGULA:** See DANDELION  
**ASPARAGUS (1)-REI 12 hours:** Asparagus beetle, Thrips: Use 1 1/4 pints.  
**BARLEY:** See SMALL GRAINS  
**BEANS (1)-REI 12 hours:** Aphids, Cucumber beetle, Japanese beetle, Potato leafhopper, Mexican bean beetle, Nitidulid beetle, Spider mites, Pea leaf weevil: Use 1 1/2 pints.  
**BEANS, Dry (California Only) (1)-REI 12 hours:** Lygus bugs: Use 1 to 1 1/2 pints.  
**BEETS, Garden (Seed Crop) (7)-REI 12 hours:** Lygus bugs: Use 1 1/4 pints in 5 to 10 gallons of water per acre. Apply in seedball stage to hard seed stage. Repeat as needed to maintain control.  
**BEETS, Table (7)-REI 12 hours:** Aphids, Beet armyworm, Blister beetles, Flea beetles: Use 2 1/2 pints.  
**BROCCOLI:** See COLE CROPS  
**BRUSSELS SPROUTS:** See COLE CROPS  
**CABBAGE:** See COLE CROPS  
**CARROTS (7), HORSERADISH (7), PARSNIPS (7), RADISHES (7), SALSIFY (7)-REI 12 hours:** Aphids, Diamondback moth, Flea beetle, Leafhoppers: Use 2 pints.  
**CAULIFLOWER:** See COLE CROPS  
**CELERY (7)-REI 12 hours:** Aphid, Spider mite: Use 1 to 1 1/2 pints.  
**CELTUCE:** See DANDELION  
**CHERVIL:** See DANDELION  
**CHINESE BROCCOLI:** See COLE CROPS  
**CHINESE CABBAGE:** See COLE CROPS  
**CHINESE MUSTARD:** See COLE CROPS  
**CHRYSANTHEMUM (Edible-leaved and Garland):** See DANDELION  
**CLOVER:** See ALFALFA  
**COLE CROPS (Brassica crop group: BROCCOLI, CHINESE BROCCOLI, RAPINI, BRUSSELS SPROUTS, CHINESE CABBAGE [BOK CHOY and NAPA], CABBAGE, CHINESE MUSTARD, CAULIFLOWER, COLLARDS, KALE, MUSTARD GREENS, RAPE GREENS) (7 days, except 3 days on broccoli)-REI 12 hours:** Aphids, Cabbage loopers, Flea beetles, Imported cabbage worm: Use 1 1/2 to 2 1/2 pints.  
**COLLARDS:** See COLE CROPS  
**CORN (5)-REI 12 hours:** Aphid, Corn rootworm adults, Sap beetles, Thrips, Young grasshoppers: Use 1 pint. CAUTION: Injury may occur in whorl and silk stages with emulsifiable liquids.  
**CORN SALAD:** See DANDELION  
**COTTON (None)-REI 12 hours:** Aphids, Brown cotton leafworm, Cotton leaf perforator, Leafhoppers, Spider mites, Whitefly: Use 1 to 4 pints. Boll weevils, Cotton fleahoppers, Fall armyworms, Grasshoppers, Garden webworms and Lygus: Use 1 1/4 to 4 pints.  
**CUCUMBERS (1), MELONS (1), PUMPKIN (3), SQUASH (1)-REI 12 hours:** Aphids, Cucumber beetles, Cutworms, Darkling ground beetles, Leafhoppers, Pickleworm, Spider mites, Squash vine borer, Thrips: Use 1 3/4 pints. Use up to 1 3/4 pints on pumpkins. For vine borer, apply weekly to stems and vines at base of plant. Do not apply unless plants are dry.  
**DANDELIONS, PARSLEY, SWISS CHARD, WATERCRESS, AMARANTH (LEAFY AMARANTH, CHINESE SPINACH, TAMPALA), ARRUGULA (ROQUETTE), CELTUCE, CHERVIL, CORN SALAD, EDIBLE-LEAVED CHRYSANTHEMUM, GARLAND CHRYSANTHEMUM, DOCK (SORREL), FLORENCE FENNEL, ORACH, GARDEN**

**PURSLANE, WINTER PURSLANE, FINE SPINACH, NEW ZEALAND SPINACH (7 days, except 21 days for parsley) Except California-**  
**REI 12 hours:** Aphid: Use 1 to 2 pints.  
**DOCK:** See DANDELION  
**EGGPLANT (3)-REI 12 hours:** Aphid, Spider mites: Use 3/4 to 3 1/2 pints.  
**Lace bugs:** Use 2 to 3 1/2 pints.  
**ENDIVE:** See LETTUCE  
**FENNEL:** See DANDELION  
**FINE SPINACH:** See DANDELION  
**GARLIC (3), LEEKS (3), SHALLOTS (7)-REI 12 hours:** Aphids, Thrips: Use 1 to 2 pints.  
**GRASS and RANGELAND (such as BARN GRASS, BERMUDA, CANARY GRASS, FESCUE, ORCHARD GRASS, RED TOP, TIMOTHY and YELLOW FOXTAIL) (1)-REI 12 hours:** Aphids, Grasshoppers, Leafhoppers: Use 1 to 1 1/4 pints. Apply in sufficient water for good coverage or use 1 1/4 pints plus 1 gallon of diesel fuel oil per acre by means of an airplane or turbine-blower type sprayer.  
**HOPS (7) Except California-REI 12 hours:** Aphids: 1/2 to 1 1/4 pints.  
**HORSERADISH:** See CARROTS  
**KALE:** See COLE CROPS  
**KOHLRABI (7 days)-REI 12 hours:** Aphids, Cabbage loopers, Flea beetles, Imported cabbageworm: Use 1 1/2 to 2 pints.  
**LEEKs:** See GARLIC  
**LENTILS (3)-REI 12 hours:** Aphids: Use 1 pint.  
**LETTUCE (7 days for head lettuce; 14 days for leaf lettuce), ENDIVE (7)-REI 12 hours:** Aphids, Alfalfa loopers, Leafhoppers, Mites: Use 2 pints.  
**MELONS:** See CUCUMBER  
**MUSHROOMS (1) Except California-REI 12 hours:** Phorid and Sciarid flies: Use 1 1/2 pints per 130 gallons of water per acre, or 1 tablespoon per 3 gallons of water per 1000 square foot bed. Make thorough application as soon as possible after picking. Repeat application as necessary, usually twice per week.  
**MUSTARD GREENS:** See COLE CROPS  
**NEW ZEALAND SPINACH:** See DANDELION  
**OATS:** See SMALL GRAINS  
**OKRA (1) Except California-REI 12 hours:** Aphid, Japanese beetle: Use 1 1/2 pints.  
**ONIONS (3) Except California-REI 12 hours:** Thrips: Use 1 to 2 pints. Onion maggot: Use 2 pints.  
**ORACH:** See DANDELION  
**PARSLEY:** See DANDELION  
**PARSNIPS:** See CARROTS  
**PEANUTS (None) Except California-REI 12 hours:** Leafhoppers: Use 1 pint.  
**PEAS (3 days for harvest; 7 days for forage use)-REI 12 hours:** Aphid, Pea weevil: Use 1 to 2 1/2 pints. If forage is to be fed to livestock, use 1 to 1 1/4 pints.  
**PEPPERMINT (7), SPEARMINT (7)-REI 12 hours:** Adult flea beetle, Leafhoppers: Use 1 pint.  
**PEPPERS (3)-REI 12 hours:** Aphids, Pepper maggot: Use 1 1/2 pints.  
**POTATOES (None)-REI 12 hours:** False chinch bugs, Leafhoppers, Mealybugs: Use 1 pint. Aphids, Blister beetles: Use 3 pints.  
**PUMPKINS:** See CUCUMBER  
**PURSLANE :** See DANDELION  
**RADISHES:** See CARROTS  
**RAPE GREENS:** See COLE CROPS  
**RAPINI:** See COLE CROPS  
**RICE (7)-REI 12 hours:** Rice leafminer, Rice stink bug: Use 1 1/2 pints. Do not apply Propanil within 15 days of Malathion treatment.  
**RUTABAGAS (3)-REI 12 hours:** Aphids: Use 1 to 2 pints per acre.  
**RYE:** See SMALL GRAINS  
**SAFFLOWER (3)-REI 12 hours:** Aphid, Grasshopper, Lygus bugs: Use 1 to 1 1/4 pints.  
**SALSIFY:** See CARROTS  
**SHALLOTS:** See GARLIC  
**SMALL GRAINS (BARLEY, OATS, RYE, WHEAT) (7)-REI 12 hours:** Armyworms, English grain aphids, Grasshoppers, Greenbugs: Use 1 to 1 1/4 pints.  
**SORREL:** See DANDELION  
**SOYBEANS (None)-REI 12 hours:** Grasshoppers, Japanese beetles, Mexican bean beetles: Use 2 pints.  
**SPEARMINT:** See PEPPERMINT  
**SPINACH (7)-REI 12 hours:** Aphids: Use 1 1/2 pints.  
**SQUASH:** See CUCUMBERS  
**STRAWBERRIES (3)-REI 12 hours:** Aphids, Field crickets, Lygus bugs, Potato leafhoppers, Spider mites, Spittlebugs, Strawberry leafroller,

Strawberry root weevil, Thrips, Whitefly: Use 1 1/2 to 2 pints. For strawberry root weevil control, make applications to soil surface before planting and work into the top 6-8 inches.

**SUGAR BEETS (3 days; 7 days if tops are to be used for feed or food)-REI 12 hours:** Aphids: Use 1 to 2 pints. Grasshoppers: Use 2 pints.

**SWEET POTATOES (3)-REI 12 hours:** Leafhoppers: Use 1 to 1 3/4 pints. Morningglory leafminer: Use 1 3/4 pints.

**SWISS CHARD:** See DANDELION

**TOBACCO (7)-REI 12 hours:** Aphids: Use 1 to 1 1/2 pints.

**TOMATOES (1)-REI 12 hours:** Aphids, Spider mites: Use 1 1/2 pints. *Drosophila* flies: Use 2 pints in a full coverage application to fruit and foliage.

**VETCH:** See ALFALFA

**WATERCRESS:** See DANDELION

**WHEAT:** See SMALL GRAINS

**FLY CONTROL**

STRAIGHT MALATHION SPRAYS		MALATHION BAIT SPRAYS			
Amount of Spray	Amount Malathion 8	Amount of Bait Spray	Amount Malathion 8	Sugar (or)	Unsulferized Molasses or Corn Syrup
2 1/2 gals.	3/4 cup	2 1/2 gals.	3/4 cup	1 cup	1 cup
12 gals.	1 1/4 pts.	12 gals.	1 1/4 pts.	2 1/2 lbs.	1 qt.
100 gals.	1 1/4 gals.	100 gals.	1 1/4 gals.	20 lbs.	2 gals.

**ORNAMENTALS**

Dosages given are for use in 100 gallons of dilute spray. Aphids, Euonymus scale, European pine shoot moth, Fourlined leaf bug, Japanese beetle adult, Lace scale, Mealybugs, Millipedes, Oyster shell scale, Potato leafhopper, Rose leafhopper, Scurfy scale, Spider mites, Springtails, Sowbugs, Tarnished plant bug, Thrips, Whitefly: Use 1 pint. Azalea scale, Bagworms, Birch leafminer, Boxwood leafminer, Fletcher scale, Florida red scale, Juniper scale, Magnolia scale, Oak kermes, Pine leaf scale, Tent caterpillar: Use 1 1/4 pints. Black scale crawlers, Monterey pine scale: Use 1 3/5 pints. Pine needle scale, Wax scale: Use 2 1/2 pints. For Oyster shell, Fletcher, Juniper, Oak kermes and Pine needle scales, apply when scale crawlers have settled on foliage. **CAUTION:** Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as some species of Crassula and Canaetri Juniper

**MOSQUITO CONTROL**

**MOSQUITOES, FLIES, AND SMALL FLYING INSECTS:** For use by trained personnel as a 2% to 5% Malathion fog, aerosol or space spray. To make a 2% solution dilute 1 part MALATHION 8 in 45 parts water, fuel oil or diesel oil. When using a kerosene-type solvent as carrier, dilute 1 part of Malathion 8 in 45 parts of mixture consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. Apply 0.58 to 2.86 gallons finished spray per acre. For a 5% solution, dilute 1 part MALATHION 8 in 18 parts of mixture using similar solvents. Apply 0.24 to 1.18 gallons finished spray per acre.

**MOSQUITO LARVAE IN STANDING WATER:** Apply MALATHION 8 at the rate of 8 fluid ounces (approximately 1/2 lb. actual Malathion) per acre. (Use this dosage only in intermittently flooded areas, stagnant water, temporary rain pools, and log ponds.) Mix in sufficient water or oil to obtain even coverage when applied by air or ground equipment. Repeat applications as necessary. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur. **KEEP OUT OF ANY FISH BEARING WATERS.**

**IN AND AROUND BUILDINGS:** For use in and around buildings which house domestic animals, around homes, around yards and meat processing plants. Do not use in commercial food preparation areas or in edible products areas of processing plants. Apply spray at rate of 1 gallon per 1000 sq. ft. on painted surfaces and 2 gallons per 1000 sq. ft. on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolongs the insecticidal activity of Malathion and serves as a fly attractant.

**CAUTION:** Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products, also drinking fountains and feed troughs. Remove calves under one month of age and lactating dairy animals from buildings before treating.

**DROSOPHILA FLY AND DRIED FRUIT BEETLE:** On or around cull fruit and vegetable dumps, mix 7 1/2 pints in 100 gallons of water and apply as a drench, using 8 to 10 gallons of spray per 100 sq. ft. (For best results, dumps should not be over 18 inches deep.) Do not feed treated fruit and vegetables.

**STORED GRAIN, FIELD AND GARDEN SEEDS**  
Except California

For the protection of wheat, oats, rice, corn (field and pop), rye, barley, grain sorghum and sunflower grain and field or garden seeds, against Confused flour beetle, Rice weevil, Granary weevil, Sawtoothed grain beetle, Lesser grain borer and as an aid in control of Indian meal moth, apply 10 ounces of MALATHION 8 in 2-5 gallons of water per 1000 bushels. Apply as the grain is being loaded or turned into final storage. Good coverage is essential. As a supplemental aid in the control of Indian meal moth, apply the material to the surface of clean or uninfested grain at the rate of 5 ounces in 1 to 2 gallons of water per 1000 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.

**STORAGE AND DISPOSAL**

**DO NOT CONTAMINATE** water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** 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.

**NOTICE ON CONDITIONS OF SALE**

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibilities, including injury or damage, resulting from its misuse as such, or in combination with other materials.