

PM 16 299-166 1/3  
12-31-89

Reviewed. Registrant claims to be in accordance with  
Registration of Pesticide Product Guidelines for Phase 2  
Process, Page 2-12, Action to Start Change in Status.



*Martin's*  
ESTABLISHED 1883

PREMIUM GRADE

**57%**  
**MALATHION**  
**5E**

Emulsifiable Concentrate

KEEP OUT OF REACH  
OF CHILDREN  
**CAUTION**

See Side Panel For Other Cautions

**For Control Of**  
**ANIMAL &**  
**PLANT PESTS**

**ACTIVE INGREDIENTS:**

Malathion: 0,0-dimethyl phosphorodithioate ..... 57.00%  
of diethyl mercaptosuccinate ..... 43.00%

**\*INERT INGREDIENTS:** ..... TOTAL 100.00%

**NET CONTENTS:**  
**1 GALLON**

\*This product contains Petroleum distillates.

CONTAINS 8 LBS. MALATHION PER GALLON

4327

Not Reviewed. Registrant claims to be in accordance with registration of this Active Product for Phase 2 of the Registration Process, Active to meet the requirements of the FIFRA Act.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid breathing of spray mist. Avoid contact with skin. Wash thoroughly after handling.

##### 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 OR CHEMICAL HAZARDS

Malathion is a cholinesterase inhibitor. Do not use this product simultaneously with other drugs, insecticides, pesticides, or chemicals having cholinesterase inhibiting activity nor within a few days before or after treating with malathion.

##### NOTE TO PHYSICIAN

Malathion may cause cholinesterase inhibition. Atropine is an antidote.

##### DIRECTIONS FOR USE

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

## STORAGE & DISPOSAL

**STORAGE:** Do not contaminate water, feed, or feed by storage or disposal. Store in original container until used. Do not store, use, or spill near heat or open flame. Keep container tightly closed. Store out of reach of children and domestic animals.

**DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

##### STORED GRAINS AND SEEDS

For the protection of stored grains such as wheat, oats, rice, corn, rye, barley, grain sorghum, field or garden seeds against confused flour beetles, rice weevils, granary weevils, saw-toothed grain beetles, flat grain beetles, red flour beetles, rusty grain beetles, lesser grain borers, Indian meal moths and for control of cereal leaf beetles if they are present, apply Martin's 57% Malathion SE as follows:

##### GRAINS:

**Residual Spray - Before Storing:** For a residual wall, floor, and machinery spray in grain elevators, in treating truck beds, box cars, and ships' holds before storing grain. Apply 1 gallon of Martin's 57% Malathion SE per 20 gallons of water making a 6% rough application. Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris.

**Going into Storage:** Apply 1 pint of Martin's 57% Malathion SE in 2-8 gallons of water per 1000 bushels. Apply as the grain is being loaded or turned into final storage.

**After Grains Are Stored:** To protect stored grains from attack by Indian meal moths, apply Martin's 57% Malathion SE to the surface of clean or uninfested grain at the rate of 1/2 pint in 1-2 gallons of water per 1000 square feet of grain surface area. Apply the spray evenly over the surface of grain. Apply immediately after grain is loaded into storage and repeat if necessary.

**Residual Spray - Box Cars For Loading and Transporting Bagged Flour and Packaged Cereals -** For the control of confused flour beetles, rice weevils, granary weevils, saw-toothed grain beetles, flat grain beetles, red flour beetles, rusty grain beetles, lesser grain borers, Indian meal moths and mite pests infesting empty box cars into which bagged flour and packaged cereals are to be loaded and transported, apply Martin's 57% Malathion SE as follows:

1. Clean the box car thoroughly, then remove and burn all sweepings and debris.
2. Spray walls and floor to the point of run-off with either 1 gallon of Martin's 57% Malathion SE in 20 gallons of water or 1 gallon of Martin's 57% Malathion SE in 10 gallons of deodorized kerosene. (The deodorized kerosene solution should be made up of 4 parts kerosene-type solvent plus one part aromatic hydrocarbon-type solvent.)
3. Let the sprayed box car stand empty with the doors open until the spray has thoroughly dried.
4. Line the walls and floors of the box car with kraft paper before loading.

##### FIELD AND GARDEN SEEDS:

Field and garden seeds can be protected against the above grain pests with a dosage of 1/2 pint of Martin's 57% Malathion SE in 1-2 1/2 gallons of water per 500 bushels of seed. Martin's 57% Malathion SE may be used under the requirements of the Knappe beetle quarantine, where water or diesel oil emulsions are indicated, as prescribed by the current quarantine instructions.

##### FLY CONTROL

For use in and around buildings which house domestic animals, around yards, homes, and meat and food processing plants. Do not apply in the edible products areas of meat and food processing plants.

STRAIGHT MALATHION SPRAYS		BAIT SPRAYS			
Amount of Spray	Amount of 57% Malathion SE	Amount of Spray	Amount of 57% Malathion SE	Sugar or Molasses (Unrefined) or Corn Syrup	
2 1/2 gal.	1 cup	2 1/2 gal.	1 cup	1 cup	1 cup
12 gal.	1 quart	12 gal.	1 quart	2 1/2 lbs.	1 quart
100 gal.	2 gal.	100 gal.	2 gal.	20 lbs.	2 gal.

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upright brasses. For effective control in and around dairy barns, fly-breeding sites, such as manure and other waste material, should be eliminated. Do not apply to freshly white-washed surfaces. Wait 14 days before applying.

Repeat applications as necessary. Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and feed products, also drinking fountains and feed troughs. Remove lactating dairy animals from buildings before treating. Also remove animals under one month of age before treating.

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surfaces until sprays have dried.

**MOSQUITO CONTROL**

Outdoors - Mosquitoes, Flies, and Small Flying Insects: As a spray, dilute 1 part Martin's 57% Malathion SE with 20 parts water, fuel oil or diesel oil.

Mosquito Larvae in Stagnant Water (Intermittently flooded areas, stagnant water, temporary rain pools): Apply Martin's 57% Malathion SE at the rate of 13 fluid ounces (approximately 1/2 pound of Malathion per acre). Mix in sufficient water or oil when applied by air or ground equipment.

Avoid spraying oil-based formulations on valuable ornamental plants as injury may occur. NOTE: Martin's 57% Malathion SE may cause spotting on automobile paint finish. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately.

**LIVESTOCK**

Do not treat animals under 1 month of age. When applying sprays, avoid contamination of feed, feed containers and watering troughs.

Animal	Part	Amount of Martin's 57% Malathion SE	Remarks
Beef Cattle (also non-lactating dairy animals)	Lime	6 1/2 oz. in 5 gal. water	Repeat application in 10 days and thereafter as needed.
	Ticks	6 1/2-13 oz. in 5 gal. water	Repeat application at 2 week intervals as needed.
Horses	Headflies	6 1/2-10 oz. in 5 gal. water	Repeat application at 2 week intervals as needed.
	Lime	6 1/2 oz. in 5 gal. water	Apply a complete coverage spray to animals, pens and water. Repeat in 10 days and thereafter as needed. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.
Hogs	Lime	6 1/2 oz. in 5 gal. water	Apply a complete coverage spray to animals, pens and water. Repeat in 10 days and thereafter as needed. Sprayed hogs should be kept out of sun and wind for a few hours after treatment.
	Barsoptic Mange		

E.P.A. Est. No. 289-TX-1

Do not apply to lactating dairy animals or non-lactating dairy animals within 2 weeks of freshening.	Do not apply to milking goats.
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**POULTRY**

Poultry Ranges - Chickens: Apply 1 1/2 pints per acre in sufficient water for good coverage. Treat range thoroughly the day before placing poultry on range. Repeat every 2-3 weeks. Do not contaminate feed and water troughs.

Resist Pests - Chicken Red Mites and Poultry Lice: Mix 2-7 fluid ounces of this material with 1 gallon of water or diesel fuel. Brush this solution on at a rate of 1 pint per 100 feet of roost.

**CROP USES**

Dosages are given in pints of Martin's 57% Malathion SE per acre. Mix with sufficient water to provide thorough coverage. Do not apply this product through any type of irrigation system.

Alfalfa, Clover: Alfalfa weevil larvae, aphids, armyworms, clover leaf weevils, grasshoppers, lygus bugs, pea aphids, potato leafhoppers, spider mites, spittlebugs, vetch bruchids - 1 1/2-2 pints. Use a higher rate for armyworm control. May be applied on day of harvest or grazing. Do not apply during full bloom.

Beans: Aphids, cucumber beetles, Japanese beetles, Mexican bean beetles, spider mites - 2 1/2 pints. Do not apply within 1 day of harvest.

Grass, Cereal Crops: (Barley, oats, wheat, barn grass, fescue, orchard grass, red top, timothy): Cereal leaf beetles - 1-1 1/2 pints. Do not apply within 7 days of harvest or grazing on barley, oats, and wheat.

Pasture, Range Land: Grasshoppers, leafhoppers, aphids - 1 1/2-2 pints in sufficient water for good coverage or use 1 1/2 pints in 1 gallon diesel fuel oil per acre by means of an airplane or turbine-blower sprayer.

Non-Agricultural Lands: (Wetlands, roadsides, soil bank lands not to be grazed): Grasshoppers - 1 1/2-3 pints in sufficient water for good coverage or in 1 gallon diesel fuel oil per acre by means of an airplane or turbine-blower sprayer.

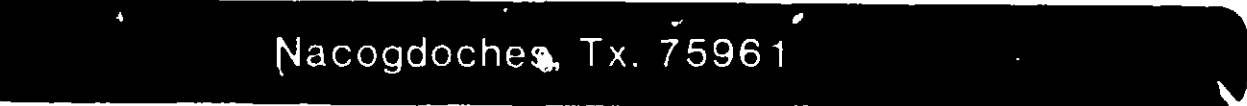
**ORNAMENTALS**

Dosages given are for use in 100 gallons of dilute spray.

Aphids, European pine shoot moths, four-lined leaf bugs, Japanese beetles (adult), mealybugs, millipedes, potato leafhoppers, rose leafhoppers, scurfy scales, spider mites, whiteflies, tarnished plant bugs, thrips, lace bugs, oyster shell scales ..... 1 1/2 pints  
 Azalea scales, bagworms, birch leafminers, boxwood leafminers, Fletcher scales, Florida red scales, juniper scales, magnolia scales, oak larvae, pine leaf scales,

lent caterpillars ..... 2 pints  
 Monterey pine scales ..... 2 1/2 pints  
 Pine needle scales ..... 4 pints  
 For oyster shell, Fletcher juniper, oak larvae, and pine needle scales, apply when scale crawlers have settled on foliage.

CAUTION: Avoid use on certain ferns, including Boston, maidenhair, and plants, as well as history, and crassula and concert juniper.



Not Reviewed. Registrant claims to be in accordance with registration of Pesticide Products for Phase 2 testing, Pests, Action to limit Control to States.

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