

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION:** HARMFUL IF SWALLOWED. AVOID BREATHING OF SPRAY MIST OR VAPORS. AVOID CONTACT WITH SKIN. WASH THOROUGHLY AFTER USING. AVOID CONTAMINATION OF FEED AND FOODSTUFFS.  
 Note to Physician: Malathion upon repeated prolonged or careless use may cause cholinesterase inhibition. Atropine is antidotal.  
**ENVIRONMENTAL HAZARDS:** Highly toxic to fish. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes and containers. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.  
**PHYSICAL OR CHEMICAL HAZARDS:** Do not store or use 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 AND DISPOSAL**  
**PROHIBITIONS:** Do not contaminate water, food or feed by storage and disposal. Open dumping is prohibited.  
**PESTICIDE DISPOSAL:** Pesticide Spray Mixture or Residue that cannot be used or chemically reprocessed should be disposed of according to procedures approved by Federal, State or Local Disposal Authorities or in a landfill approved for pesticides or buried in a safe place away from water supplies.  
**CONTAINER DISPOSAL:** 30, 55 gal. drums: a) Reseal container and offer for reconditioning or other purpose for equivalent; and offer for recycling, reconditioning or disposal in an approved landfill; or bury in a safe place.  
 Less than 30 gallons: as in B above.  
**GENERAL:** Consult Federal, State or local disposal authorities for approved alternative procedures.

**For Cereal Leaf Beetle:** PROGRAM Treatment Pests Wheat control  
**FOLIAGE TREATMENT:** The time to apply treatments is critical if adults are numerous in early May a spray is needed to protect newly planted small grains and may be needed for heavily infested late planted fall grains. On all grains whether planted in the fall or spring a treatment will be needed when the larvae are numerous. This usually occurs the later part of May and the first week of June.  
**PLEASE NOTE:** the above information when to apply treatments for adults and grubs is based on average weather conditions. Because these conditions vary from season to season, further instructions will be given by Agricultural Extension Service as to the best time to treat oats, wheat, rye and barley for cereal leaf beetle.  
**MATERIALS** — Amount of actual chemical to apply per acre (unless otherwise directed) as follows:  
 Do not apply to crops within 2 days of harvest.  
**Sprays applied by ground equipment:** 1 p.p.t. premium grade Malathion 57% emulsifiable liquid concentrate in sufficient amount of water to thoroughly cover one acre regardless of kind of equipment used. Apply not less than 8 to 15 gallons of finished spray for acre.

47614-1  
 EPA Reg. No. 655-622



# MALATHION 57%

## PREMIUM GRADE EMULSIFIABLE INSECTICIDE

Stored Grain Protectant and Empty Grain Bin Spray

**GRAIN ELEVATORS** **FARMERS GRANERIES**  
**Controls:** Cereal leaf beetle, Red flour beetle, Indian meal moth, Confused flour beetle, Rice weevil, Flat grain beetle, Rusty grain beetle, lesser grain borer, Granery weevil, Saw Toothed grain beetle.  
**Malathion** — may be used under the requirements of the Khapra beetle quarantine where water or diesel oil emulsions are indicated, as prescribed by quarantine instructions.

**ACTIVE INGREDIENTS:**

MALATHION (0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate)	57.0%
Xylene	40.0%
<b>INERT INGREDIENTS:</b>	3.0%
<b>TOTAL:</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
**STATEMENT OF PRACTICAL TREATMENT**  
 HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. AVOID BREATHING SPRAY MIST.  
**IF SWALLOWED:** GIVE EMETIC. CALL A PHYSICIAN.  
**IF INHALED:** REMOVE PERSON TO FRESH AIR AT ONCE.  
**IF ON SKIN:** WASH THOROUGHLY WITH SOAP AND HOT WATER.  
**IF IN EYES:** WASH WITH PLENTY OF WATER FOR 15 MINUTES. CALL PHYSICIAN.  
**NOTE TO PHYSICIAN:** MALATHION CAUSES CHOLINESTERASE INHIBITION. ATROPINE IS ANTIDOTAL.  
**SEE SIDE PANEL FOR ADDITIONAL CAUTIONS**

E.P.A. REG. NO. 655-622 E.P.A. EST. NO. 655-NJ-1

**NET CONTENTS** \_\_\_\_\_

Manufactured by \_\_\_\_\_

Plant: 338 Wilson Ave  
 Newark, N.J. ( )  
 Office: 363 7th Aven  
 New York, N

Drug & Chemical Co., Inc.

**DIRECTIONS FOR USE: (Cont'd.)**

**CAUTION** - Apply chemical closer to harvest than 10-14 days prior to harvest.

Malathion presents no residue problem from drift on a field cover or pastures.

**NOTE:** When applying Malathion, air temperatures should be 65° F or higher. For the best part, rising temperatures preferred to falling temperatures when applying these chemicals.

Follow procedure approved by Federal Grain Sanitation Program. Controls certain insects mentioned on center panel except Cereal Leaf Beetle. Direction for Cereal Leaf Beetle shown on left panel.

**AS A SPRAY** - For the protection of grain such as wheat, oats, rice, corn, rye, barley, grain sorghum, apply 1 pint Malathion 57% Emulsifiable Liquid in 2 to 5 gallons of water to each 100 bushels of the grain.

Field and garden seeds can be protected with a dosage of 1/2 pint Malathion 57% Emulsifiable Liquid in 1 to 2 1/2 gallons of water for each 500 bushels of seed.

Apply the spray as the grain or seed is being loaded or turned into final storage. Any of the standard applications on the market which can be calibrated to deliver a known volume of liquid are suitable for applying Malathion.

For small amounts of grain in farm storage where special application equipment is not available, any type of low pressure sprayer including a gallon or more can be used. The spray can be applied to the grain stream as the grain is being elevated into storage. The first step would be to test-spray a tank of water to determine the rate at which the sprayer is discharging - then regulate the flow of grain to get on the proper amount of Malathion. Make sure the spray is coarse enough so that it reaches the grain and is not lost as drift.

**SURFACE TREATMENTS FOR INDIAN MEAL MOTH AS A SPRAY** - To protect stored grains from attack by Indian Meal Moth, apply Malathion 57% Emulsifiable Liquid to the surface of clean or uninfested grain at the rate of 1/2 pint in 1 to 2 gallons of water for each 1000 sq. ft. 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.

**AS A CLEAN-UP SPRAY IN AND AROUND BINS & ELEVATORS**

Since grain insects continue to live and breed in old grain and debris, bins and elevators must be cleaned thoroughly after they are emptied. In addition all grain handling equipment such as trucks, conveyors and machinery, boxcars, etc. should be thoroughly cleaned. Remove and burn all sweepings and debris. The grounds around bins and elevators should also be kept as free as possible of spilled grain and debris for the material also breeds insects. Before new grain goes in, a residual Malathion spray should be applied to walls, floors and machinery in grain elevators or farm storages. This applies also to truck beds, box cars and ship holds. Mix this spray at the rate of 1 gallon Malathion 57% Emulsifiable Liquid in 25 gallons of water. Spray all surfaces to the run-off point, making particularly sure that the spray is forced into cracks and crevices. This same spray should be used to prevent reinfestation. Remember Malathion 57% is a protectant. Grain that is even moderately infested with insects should be fumigated. Malathion has no adverse effect on germination of grain for seed at recommended rates. Malathion can be sprayed on grains as they are elevated in to storage. Malathion gives protection for many months - Actual length is dependent on the individual pest and condition of the grain. Grain to be treated should not have more than 12 1/2% moisture and should be in good storage condition - free of trash and foreign material.

venue  
17105  
ue  
Y. 10001

47614-1