

2018-1038

2018-05-22

GROUP	<b>1B</b>	INSECTICIDE
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**UBG**

## **MALATHION GRAIN PROTECTOR DUST**

COMMERCIAL INSECTICIDE

READ THE LABEL BEFORE USING

FOR USE ON STORED GRAINS

Protects against damage from Confused Flour Beetle, Granary Weevil, Saw-toothed Grain Beetle, Flat Grain Beetle, Rusty Grain Beetle, Lesser Grain Borer and Indian Meal Moth.

REGISTRATION NO. 15896

PEST CONTROL PRODUCTS ACT

GUARANTEE: Malathion 2%

**Expiry Date: yyyy-mm-dd**

**Lot # XXXX-XXX**

**This product is not to be sold or applied after the expiry date above.**

WARNING, contains the allergen wheat.

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273

LOVELAND PRODUCTS CANADA, INC.

789 DONNYBROOK DRIVE

DORCHESTER, ON

N0L 1G5

CANADA

1-800-328-4678

NET CONTENTS: 10-22.7 kg

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## GENERAL INFORMATION

FOR USE ON STORED GRAINS: Wheat, oats, rice, rye and barley.

PROTECTS AGAINST DAMAGE from Confused Flour Beetle, Granary Weevil, Saw-toothed Grain Beetle, Flat Grain Beetle, Rusty Grain Beetle, Lesser Grain Borer and Indian Meal Moth.

**DIRECTIONS FOR USE:** Apply MALATHION GRAIN PROTECTOR DUST to the grain at the appropriate rate as the grain is being loaded or turned into the final storage.

	grams / 1000 kg (tonne)
Wheat	415
Rye	450
Barley	520
Oats	735
Rice	550

Limit the amount of active ingredient handled per day to 100 kg per person (approx.. 6650 metric tons at a rate of 15 g ai/tonne).

The most convenient way to apply MALATHION GRAIN PROTECTOR DUST is to treat the grain when it is in the truck or wagon prior to binning. Determine the volume of grain in the truck or wagon in metric tonnes (1000 kg). Measure out the correct amount of MALATHION GRAIN PROTECTOR DUST as per the table listed above. Spread the DUST evenly over the surface of the grain. Cut the DUST into the grain with a shovel. The DUST will become mixed with the grain as it is dumped from the truck into the auger hopper. Further mixing will occur when the grain is augered into the bin. Mixing is completed as the MALATHION GRAIN PROTECTOR DUST and grain roll down the cone-shaped pile in the bin.

To protect stored grains from attack apply MALATHION GRAIN PROTECTOR DUST to the surface of clean or infested grain at the rate of 4.75 kg/100 m<sup>2</sup> of grain surface area. Apply the DUST evenly over the surface of the grain. Apply immediately after grain is loaded into storage, and repeat if necessary. Work into a depth of 15 cm with a rake.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

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For resistance management, please note that MALATHION GRAIN PROTECTOR DUST contains Group 1B insecticide. Any insect population may contain individuals naturally resistant to MALATHION GRAIN PROTECTOR DUST and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of MALATHION GRAIN PROTECTOR DUST or other Group 1B insecticides with different groups that control the same pests.
- Use insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, record keeping and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information and to report suspected resistance, contact the Technical Service, LOVELAND PRODUCTS CANADA INC., 1-800-328-4678 or at [www.lovelandproducts.ca](http://www.lovelandproducts.ca).

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Avoid prolonged breathing of DUST. Avoid contact with the skin, eyes and clothing. Wash thoroughly after using. This product is highly toxic to fish and bees exposed to direct treatment of residues on crops. Protective information may be obtained from your agricultural extension service. Do not contaminate any body of water. Containers should be tightly sealed when not in use. Do not store near feed, food, fertilizers, seed and like commodities. Do not apply to grain within 7 days of selling.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at: [www.croplife.ca/](http://www.croplife.ca/).

### **PERSONAL PROTECTIVE EQUIPMENT**

Wear long pants, long sleeved shirts, and chemical-resistant gloves during mixing/loading, application, clean-up and repair.

### **ENVIRONMENTAL HAZARDS:**

TOXIC to aquatic organisms.

TOXIC to birds.

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**IMPORTANT:** Use of this product, as directed will be within the tolerance of 8 parts per million for Malathion. Treated grain is not subject to downgrading and can be milled into flour or feed using normal production methods.

#### **FIRST AID**

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

#### **TOXICOLOGICAL INFORMATION**

Malathion is an organophosphate that is a cholinesterase inhibitor. Typical symptoms of overexposure to cholinesterase inhibitors include headache, nausea, dizziness, sweating, salivation, runny nose and eyes. This may progress to muscle twitching, weakness, tremor, incoordination, vomiting, abdominal cramps and diarrhea in more serious poisonings. A life-threatening poisoning is signified by loss of consciousness, incontinence, convulsions and respiratory depression with a secondary cardiovascular component. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate degree of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as pralidoxime chloride, may be therapeutic if used early; however, use only in conjunction with atropine. In cases of severe acute poisoning, use antidotes immediately after establishing an open airway and respiration. With oral exposure, the decision of whether to induce vomiting or not should be made by an attending physician.

#### **STORAGE**

Do not contaminate water, food, or feed by storage or disposal.

Keep in original container during storage. Isomalathion, a toxic metabolite of malathion, forms when malathion product is stored at elevated temperatures or for extended periods of time. Malathion product must be stored in a cool (< 23°C) dry, well ventilated place away from seed, fertilizer or other pesticides. Do not use after the expiry date on the primary panel.

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#### **DISPOSAL**

1. Empty contents of the container thoroughly.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.