

23-DEC-2009
2009-3556

GROUP

1B

INSECTICIDE

GARDEX CHEMICALS LTD.

AGRICULTURAL
CONTAINS MALATHION EMULSIFIABLE CONCENTRATE

Gardex Liquid Grain Protectant

READ THE LABEL BEFORE USING

GUARANTEE: Malathion 83.6%

REGISTRATION NO. 8826 PEST CONTROL PRODUCTS ACT

CAUTION

POISON

NET CONTENTS: 20 LITRES

Gardex Chemicals Ltd.
7 Meridian Rd.,
Etobicoke, ON
M9W 4Z6
(TEL): 1-800-561-7302

DIRECTIONS FOR USE

For the protection of stored grain, such as wheat, oats, corn, rye or barley against confused flour beetle, granary weevil, rice weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer and Indian meal moth, apply:

<u>mL/Tonne of Liquid Grain</u>	
<u>Protectant</u>	

Wheat	10
Oats	18
Rye, Corn	11
Barley	13

In 10-20 litres of water per 1000 bushels, apply as the grain is being loaded or turned into final storage.

Grain treated with Gardex Liquid Grain Protectant should not be offered for sale until seven days after treatment.

To protect stored grains from attack by Indian meal moth, apply Gardex Liquid Grain Protectant to the surface of clean or uninfested grain at the rate of 300 mL in 5-10 litres of water per 100m² of grain surface area. Apply spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage.

Any of the standard spray applicators on the market that can be calibrated to deliver a known volume of liquid are suitable for applying Gardex Liquid Grain Protectant.

For small amounts of grain in farm storage, where special application equipment is not available, any type of low-pressure sprayer holding 4 litres 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 in a tank of water to determine the rate at which the sprayer is discharging – then regulate the flow of grain to get the proper amount of spray. Keep spray coarse to avoid loss as “drift.”

CLEAN UP, SPRAY IN AND AROUND BINS & ELEVATORS:

Before storing new grain, thoroughly clean up old grain and debris from bins, elevators or grain handling equipment. Remove and burn all sweepings. Apply a residual Malathion spray to walls, floors and machinery in grain elevators or farm storage, using a solution containing one litre of Gardex Liquid Grain Protectant in 25 litres of water. Make sure the spray is forced into cracks and crevices. Apply at the rate of 5 litres of spray per 100m² of surface using a coarse wetting spray. Make application just after clean up of bin and 2-4 weeks prior to loading grain into storage. This same spray should be applied around the outside of bins and elevators to help prevent reinfestation.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that Gardex Liquid Grain Protectant contains a Group 1B insecticide. Any of the listed insect populations may contain individuals naturally resistant to Gardex Liquid Grain Protectant and other Group 1B insecticides. The resistant individuals may dominate the insect populations if this group of insecticides is used repeatedly in the same fields. Other resistant mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist.

To delay insecticide resistance:

- Where possible, rotate the use of Gardex Liquid Grain Protectant or other Group 1B insecticides with different groups that control the same pests in a field.
- Use tank mixtures with 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 or to report suspected resistance contact Gardex Chemicals Ltd. at 1-800-561-7302.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

Harmful if inhaled, swallowed or absorbed through the skin. Avoid breathing spray mist. Use a respirator when spraying in closed areas. Avoid contact with skin, eyes, or clothing. Wash thoroughly. Do not store near food, feed, fertilizers or seed. Do not expose to open flame.

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 web site at: www.croplife.ca

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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

TOXICOLOGICAL INFORMATION:

If accidental poisoning occurs, atropine is antidotal.

Symptoms of Poisoning – headache, weakness, sweating, giddiness, blurred vision, nausea, abdominal cramps, diarrhea and discomfort in the chest.

NOTE: Gardex Liquid Grain Protectant is for protection. Grain that is even moderately infested with insects should be fumigated prior to using Gardex Liquid Grain Protectant. Gardex Liquid Grain Protectant is a special spray-type formulation of Malathion for use on stored grain.

DISPOSAL:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
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 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 pest control product is to be used only in accordance with the directions on the label. It is an offense 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.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.