

2013-1897
2014-04-25

PRO® MALATHION 836 LIQUID GRAIN PROTECTANT

PRO® MALATHION 836 LIQUID GRAIN PROTECTANT IS A SPECIAL SPRAY-TYPE FORMULATION OF MALATHION FOR USE ON STORED GRAIN.

COMMERCIAL

GUARANTEE: Malathion 83.6%

REGISTRATION NO. 12073 PEST CONTROL PRODUCTS ACT

DANGER



POISON

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 10 L (205 L)

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NOTE: PRO® Malathion 836 Liquid Grain Protectant is a special spray-type formulation of Malathion for use on stored grain. This product is a protectant. Grain that is even moderately infested with insects should be fumigated prior to using PRO® Malathion 836 Liquid Grain Protectant.

DIRECTIONS FOR USE: For the protection of stored grain such as wheat, oats, corn, rye and barley against confused flour beetle, granary weevil, rice weevil, saw-toothed grain beetle, flat grain beetle and Indian meal moth: Mix 12-30 mL of PRO® Malathion 836 Liquid Grain Protectant per litre of water. Apply at a rate of 20 mL/20 kg. Apply as the grain is being loaded or turned into final storage. Grain treated with PRO® Malathion 836 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 PRO® Malathion 836 Liquid Grain Protectant to the surface of clean, uninfested grain at the rate of 300 mL in 5-10 L of water per 100 m² 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 which can be calibrated to deliver a known volume of liquid are suitable for applying PRO® Malathion 836 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 5 L 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.

Limit the amount of active ingredient handled per day to 865 kg per person (approx. 28,800 metric tons at a rate of 30 g a.i./ton).

Keep spray coarse to avoid loss as "drift".

AS A CLEANUP SPRAY IN AND AROUND BINS & ELEVATORS (EMPTY): 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 40 mL of PRO® Malathion 836 Liquid Grain Protectant in 1 L of water. Make sure the spray is forced into cracks and crevices. Apply at the rate of 5 L of spray per 100 m² of surface using a coarse wetting spray. Make application just after cleanup of bin or within 2 to 4 weeks before storing grain. May be used within 1 day of storing grain. This same spray should be applied around the outside of bins and elevators to help prevent reinfestation (outdoor structural foundations only, and the 1 m wide path surrounding the foundation).

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.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS. Avoid breathing spray mist. Use a respirator in closed areas. Avoid contact with

skin, eyes or clothing. Wash thoroughly. Do not store near food, feed, fertilizers, seeds and like commodities. Wear long pants, long sleeved shirts, and chemical-resistant gloves during mixing/loading, application, clean-up and repair.

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

FIRST AID: 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 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. Take container, label or product name and P.C.P. Reg. No. with you when seeking medical attention.

SYMPTOMS OF POISONING: Headache, weakness, sweating, giddiness, blurred vision, nausea, abdominal cramps, diarrhoea and discomfort in the chest.

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 (<20-23 degrees C) dry, well ventilated place away from seed, fertilizer or other pesticides and for no longer than one year.

DISPOSAL: Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the disposal of unused,

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unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms.

TOXIC to birds.

TOXIC to bees.

TOXIC to certain beneficial insects.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the 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.