

USE BAG

GROUP **1B** INSECTICIDE**DIAZINON 5G****INSECTICIDE****GRANULAR****COMMERCIAL**

This product is not to be used in and around homes or other residential areas such as parks, school grounds, playing fields. It is not for use by homeowners or other uncertified users.

This product is under a phase-out schedule for time limited use only:

Last Date of Use	Crops
August 31, 2015	Applications to: carrot and parsnip for control of carrot rust fly maggots; radish, onion and turnip for control of root maggots.
	NOT permitted for use on: Broccoli, Brussel sprouts, cabbage, cauliflower, corn, rutabaga, tomato (broadcast application)

CAUTION**POISON**

**READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**REGISTRATION NO. 12538
PEST CONTROL PRODUCTS ACT**

GUARANTEE: Diazinon 5%

Warning, contains the allergens soy and walnut shells.

**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, Ontario****N0L 1G5****1-800-328-4678****NET CONTENTS: 15 kg**

GENERAL PRECAUTIONS

Use only as recommended on the label. Do not reuse container.

Apply by ground only.

DO NOT APPLY BY AIR.

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.

Keep the following personal protective equipment immediately available for use in case of emergency (a broken package, spill or equipment breakdown): chemical-resistant coveralls, chemical-resistant gloves, chemical-resistant footwear and a NIOSH-approved respirator.

Applicators using **handheld equipment**, including paintbrush, must wear chemical-resistant coveralls over long-sleeved shirt and long pants, head protection (if spray is directed upward), chemical-resistant gloves, chemical resistant footwear and a NIOSH-approved respirator.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that DIAZINON 5G Insecticide contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to DIAZINON 5G Insecticide and other Group 1B insecticide. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. 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 DIAZINON 5G Insecticide or other Group 1B insecticides with different groups that control the same pathogens.
- Avoid application of more than the indicated number of applications of DIAZINON 5G Insecticide or other insecticides in the same group in a season.
- 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 and to report suspected resistance, contact the Technical Service, Loveland Products Canada Inc., 1-800-328-4678 or at www.uap.ca.

DIRECTIONS FOR USE

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) or estuarine/marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.

VEGETABLES:

SEED BEDS: Apply 150 grams per 100 lineal meters of furrow.

TRANSPLANTING: Apply to soil within 10 cm of the plant at the rate of 80 gm per 10 lineal meters of row.

On **RADISH:** Apply 175 gm per 100 lineal meters in furrow at seeding time (45 kg per ha at 38 cm row spacing).

To control **CARROT RUST FLY** (maggot) on Carrots and Parsnips, apply 22 kg per ha in furrow (38 cm apart) at seeding time, (equivalent to 85 gm per 100 lineal meters).

To control **CARROT RUST FLY** (adult), use Diazinon 500 E according to the label. On sandy soil, maintain 0.6-1.2 cm of soil between the insecticide and seed.

To control **ONION MAGGOT LARVAE** on Onions and Green onions, apply 22 kg per ha (up to 45 kg in organic soil) to furrows at planting time or seeding time (equivalent to 85 gm/180 gm per 100 lineal meters).

To control **ROOT MAGGOTS** on turnips, apply 55 kg per ha (or 40 gm per 10 lineal meters of row 70 cm apart) in furrow at seeding time. Make second application two weeks after thinning. Use with caution on sandy soils as injury and reduced stand may result. To control adult flies, use Diazinon 500 E.C. according to the label.

Restricted Entry Interval:

Crop	Restricted-entry interval (days)
Carrot, radish, parsnip	3
Onion	3
Turnip	4

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

Do not use on humans, pets, livestock. May be fatal if swallowed. Do not get into eyes. Avoid contact with skin and inhalation of dust. Wear NIOSH approved respirator. Wash

thoroughly after handling and before eating, drinking and smoking. Avoid contamination of food, feed or food utensils. When applying wear coveralls over work clothes and chemical resistant gloves during loading, application, irrigation and clean-up activities.

SYMPTOMS OF POISONING: Headaches, giddiness, blurred vision, nervousness, weakness, nausea, cramps, diarrhea, discomfort in the chest, sweating, miosis, tearing, salivation and other excessive respiratory tract secretion, vomiting, cyanosis, papilledema, uncontrollable muscle twitches, convulsions, coma, loss of sphincter control and loss of reflexes.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms.

TOXIC to birds.

TOXIC to small wild mammals.

TOXIC to bees and beneficial insects.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

FISH AND WILDLIFE CAUTION:

This product is toxic to birds, fish and wildlife, including waterfowl. Do not contaminate domestic or irrigation water supplies, lakes, streams and ponds. Birds and waterfowl feeding or drinking on treated area maybe killed. Do not apply where there are resident populations of waterfowl or where waterfowl may be expected to inhabit the area. Do not exceed label rates because rates above those recommended significantly increase hazards to birds and water-fowl. Avoid overlapping. Irrigation (watering) is recommended, applying a minimum of 0.7 cm (0.25 inches) of water immediately after application to reduce the hazards to birds. Stop irrigation as soon as puddling occurs.

FIRST AID:

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

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.

TOXICOLOGICAL INFORMATION:

Diazinon is an organophosphate insecticide and, as such, a cholinesterase inhibitor. If cholinergic systems occur, give atropine as an antidote followed by Pralidoxime (2-PAM) and supporting therapy. Use 1 to 2mg of atropine every 15 to 30 minutes if necessary.

DISPOSAL:

1. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. 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 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.