

EMERGENCY USE LABEL

GROUP 4 INSECTICIDE

CRUISER® 5FS Seed Treatment

INSECTICIDE

AGRICULTURAL

A seed treatment insecticide for control of wireworm in Wheat and Barley in Alberta in fields that are scheduled for rotation to potato in 2005.

FOR USE IN ALBERTA ONLY FROM MARCH 1, 2004 TO JUNE 1, 2004

GUARANTEE:

Thiamethoxam..... 47.6 %

READ THE LABEL BEFORE USING
KEEP OUT OF THE REACH OF CHILDREN AND UNAUTHORIZED PERSONNEL



REGISTRATION NUMBER: 27045
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 4 L, 8 L, 10 L, 55L, 105L, 200L, 450L, 1000L, 1050L, Bulk

Syngenta Crop Protection Canada, Inc.
140 Research Lane,
Research Park, University of Guelph
Guelph, Ontario
N1G 4Z3

For use in commercial seed treatment facilities with closed transfer systems only. No open transfer of CRUISER 5FS Insecticide. All seed treated with this product must be conspicuously coloured at the time of treatment.

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 a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

FIRST AID

IF POISONING IS SUSPECTED, IMMEDIATELY contact a physician or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: call a physician or contact a poison control centre **IMMEDIATELY**. Give the patient 1 to 2 glasses of water to drink and induce vomiting. **Never induce vomiting or give anything by mouth to an unconscious person.**

If in eyes: **IMMEDIATELY** flush eyes with a large amount of running water for at least 15 minutes. Hold eyelids apart to rinse the entire surface of eyes and lids. Obtain medical attention or contact a poison control centre **IMMEDIATELY**.

If on skin: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. If irritation occurs, obtain medical attention or contact a poison control centre.

If inhaled: Remove victim from contaminated area to fresh air. Give artificial respiration if necessary. Obtain medical attention or contact a poison control center.

TOXICOLOGICAL INFORMATION

NOTE TO PHYSICIAN: There is no specific antidote for this product if ingested. If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptoms.

PRECAUTIONS

Safety Precautions:

1. KEEP OUT OF THE REACH OF CHILDREN, UNAUTHORIZED PERSONNEL and DOMESTIC ANIMALS.
2. Harmful if swallowed, inhaled or absorbed through skin. DO NOT get in eyes. Avoid prolonged contact with skin. Avoid inhalation of vapours, spray mist or treated seed dust. Wash hands and face after handling and before eating or smoking.
3. Avoid contamination of feed and foodstuffs.
4. Treat seed in a well-ventilated area. Workers involved in treating, clean-up or maintenance of seed equipment must wear chemical-resistant coveralls over long sleeve shirt and long pants, chemical-resistant gloves, head gear and respiratory protection (i.e., single use dust mask, quarter- or half-mask respirator, fresh air hood). Baggers, sewers and stackers must wear coveralls over long-sleeved shirt and long pants, chemical resistant gloves, head gear and respiratory protection (i.e., single use dust mask, quarter- or half mask respirator, fresh air hood). Forklift operators must wear regular coveralls over long-sleeved shirt and long pants and gloves.

Environmental Precautions:

1. This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present.
2. Do not contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.
3. In cleaning of equipment or disposing of wastes, do not contaminate water used for human or animal consumption or by wildlife and aquatic life or for irrigation purposes.
4. If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion.

NOTE: In case of accident, take the product label or a copy of the MSDS to the emergency facility or physician.

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 U.S., contact 1-866-375-4648 or **www.cropro.org**.

USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Store away from food and feed.
3. For seed treated with CRUISER 5FS Insecticide, do not graze or feed livestock on treated areas for 45 days after planting.
4. All bags containing treated seed for sale or use in Canada must be labeled or tagged as follows: **“This seed has been treated with Thiamethoxam insecticide. Wear long-sleeve shirt, long pants, and chemical-resistant gloves when handling treated seed. Do not graze or feed livestock on seeded area for 45 days after planting. Do not use for food, feed or oil processing. Store away from food and feed.”**

DECONTAMINATION AND DISPOSAL:

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.

CONTAINER DISPOSAL:**For Refillable Containers:**

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For Non Returnable Containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Make the empty, rinsed container unsuitable for future use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

GENERAL INFORMATION:

CRUISER 5FS is a seed treatment insecticide belonging to the neonicotinoid class of chemistry. CRUISER 5FS controls wireworm through contact and systemic activity. Thorough seed coverage will offer the best protection of the seed from insect damage.

For additional control of seed and soil borne pests and pathogens in wheat and barley, CRUISER 5FS may be tank-mixed with DIVIDEND XL RTA[®] as part of the closed system application. Follow all appropriate directions, precautions, etc., as specified on the DIVIDEND XL RTA product label.

Note: Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. Treat a small quantity of seed using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of the seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Syngenta Crop Protection Canada Inc., no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed.

DIRECTIONS FOR USE:

Apply CRUISER 5FS Seed Treatment Insecticide utilizing closed system seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of insect control. Thoroughly mix the recommended amount of CRUISER 5FS Seed Treatment Insecticide into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the seed treatment process. Allow the seed to dry before bagging or storing into bulk containers. Depending on planting equipment, seed treated with CRUISER 5FS Seed Treatment Insecticide may not flow through planting equipment at the same rate as untreated seed. Recalibrate this equipment before planting treated seed.

Ideal storage temperature is above freezing and below 30° C. Repeated freeze-thawing of CRUISER 5FS will not affect the physical integrity of the product. If the product should freeze, bring the product back to room temperature, then ensure the contents are mixed well prior to application.

This product does not contain a colourant. A suitable colourant must be added to the slurry prior to application to the seed. Follow instructions on the colorant package for mixing. Regulations pertaining to colouration of treated seed enforced under the "Seed Act" must be strictly adhered to when using this product. Users are responsible for ensuring that the treated seed, when dried and ready for bagging, has an unnatural colour.

USE RATES:**ALBERTA ONLY: Wheat and Barley in fields scheduled for rotation to potatoes 2005:**

To provide protection against injury by Wireworm (all species) in wheat and barley, apply CRUISER 5FS Seed Treatment Insecticide at 33 – 50 mL / 100kg of seed.

Use the higher rate of CRUISER 5FS Seed Treatment Insecticide for fields that have a history of moderate to high infestation of wireworms.

For added control of seed and soil-borne pathogens in wheat and barley, CRUISER 5FS Seed Treatment Insecticide may be tank-mixed with DIVIDEND XL RTA as part of a closed system application. Follow all appropriate directions, precautions, etc. as specified on the DIVIDEND XL RTA product label.

Crop	Insects Controlled	Rate* (mL / 100 kg seed)	Notes
Wheat	Wireworm (all species)	33 – 50 mL	Do not graze or feed livestock on treated areas for 45 days after planting.
Barley	Wireworm (all species)	33 – 50 mL	

* Use the higher rate when insect populations are expected to be high.

Resistance Management Recommendations

For resistance management, CRUISER 5FS insecticide seed treatment contains a Group 4 insecticide. Any insect population may contain individuals naturally resistant to CRUISER 5FS insecticide Seed Treatment and other Group 4 insecticides. A gradual or total loss of pest control may occur over time if these 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 and fungicide resistance:

- Where possible, rotate the use of CRUISER 5FS insecticide Seed Treatment or other Group 4 insecticides with different groups that control the same insects or pathogens.
- Insecticide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated insect populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pests problems in your area.

For further information and to report suspected resistance, contact Syngenta Crop Protection Canada, Inc. at 1-800-665-9250 or at www.syngenta.ca.

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