

RASCENDO®

SEED TREATMENT INSECTICIDE

COMMERCIAL

SUSPENSION

FOR USE IN COMMERCIAL SEED TREATMENT FACILITIES ONLY

Seed treatment insecticide for control of listed insect pests on labeled crops.

ACTIVE INGREDIENT:

Sulfoxaflor 500 g/L

Contains 1,2-benzisothiazolin-3-one at 0.033%, 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00089% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

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

WARNING CONTAINS THE ALLERGEN SOY

REGISTRATION NO.: **32250**
PEST CONTROL PRODUCTS ACT

NET CONTENTS : **1 L to 1050 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, ON N1G 4Z3
Telephone: 1-877-964-3682

This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the SEEDS ACT must be strictly adhered to when using this product. Seed must be conspicuously coloured at the time of treatment.

Use only in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment. No open transfer of RASCENDO® Seed Treatment is permitted.

Label

1.0 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.

2.0 FIRST AID

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

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 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 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 inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote for this product if ingested. Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN and DOMESTIC ANIMALS. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke during handling. At the beginning of breaks, remove protective clothing. At the end of work shifts, remove protective clothing and wash thoroughly.

Commercial seed treatment facilities must use closed transfer equipment only, including closed mixing, loading, calibrating, and treatment equipment. No open transfer of RASCENDO[®] is permitted.

Avoid inhalation of vapours or treated seed dust. Wash hands and face after handling and before eating, smoking, drinking or using the toilet.

Clean up spilled material, equipment and work area as soon as possible after use.

Do not apply in a way that this product will contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area during application.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders and treaters must wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, work boots and socks. Baggers, sewers, stackers, forklift operators and others handling treated seed must wear cotton coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, work boots and socks. Cleaners must wear chemical-resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear and socks. For good hygiene practice, it is also recommended to wear a suitable dust mask during all job activities.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

All users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

6.0 ENVIRONMENTAL PRECAUTIONS

Treated seed is toxic to wild birds and mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

Toxic to bees exposed to direct treatment. When used as a seed treatment according to label directions risk is not of concern.

Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

If treated seed is spilled outdoors, promptly clean up.

7.0 USE RESTRICTIONS

1. Do not use for food, feed or oil purposes.
2. Store away from feeds and foodstuffs.
3. Do not plant any crop other than barley, wheat or members of Crop Group 1 (root and tuber vegetables), Crop Group 5 (*Brassica* leafy vegetables) or Crop Subgroup 20A (canola/rapeseed subgroup) within 30 days to fields in which treated seeds were planted.
4. Seed treated with RASCENDO must be labeled with the following statements: **“This seed has been treated with sulfoxaflor insecticide. Do not use for food, feed or oil purposes. Store away from feeds and foodstuffs. When handling treated seed, including planting, wear a long-sleeved shirt, long pants, chemical-resistant gloves, work boots and socks, and use closed-cab planting equipment. Chemical-resistant gloves are not required inside cab. For good hygiene practice, it is also recommended to wear a suitable dust mask during all job activities.”**

8.0 STORAGE

Store the product in a well-ventilated, secure area. Avoid contamination of feed and foodstuffs.

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

9.0 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.

For refillable containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

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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 further use.

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

RASCENDO® is a trademark of a Syngenta Group Company.

GROUP	4C	INSECTICIDE
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Pamphlet

TABLE OF CONTENTS

	Section Number
NOTICE TO USER	1.0
FIRST AID	2.0
TOXICOLOGICAL INFORMATION	3.0
PRECAUTIONS	4.0
PERSONAL PROTECTIVE EQUIPMENT (PPE)	5.0
ENVIRONMENTAL PRECAUTIONS.....	6.0
USE RESTRICTIONS	7.0
STORAGE.....	8.0
DISPOSAL	9.0
PRODUCT INFORMATION	10.0
DIRECTIONS FOR USE	11.0
General Information	11.1
CROP USE DIRECTIONS	12.0
Oilseeds	12.1
Tank Mixes	12.2
RESISTANCE MANAGEMENT RECOMMENDATIONS	13.0

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CALL 1-800-327-8633 (FASTMED)***

10.0 PRODUCT INFORMATION

RASCENDO is a seed treatment insecticide that, when used in combination with seed treatment containing thiamethoxam or clothianidin that is registered for use on canola, rapeseed and/or oilseed mustard, will control flea beetles in labeled crops.

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.

Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with RASCENDO.

11.0 DIRECTIONS FOR USE

11.1. General Information

To control flea beetles, apply 400 mL/100 kg seed of RASCENDO in combination with a seed treatment containing thiamethoxam or clothianidin that is registered for use on canola, rapeseed and/or oilseed mustard. Apply using standard commercial seed treatment equipment that provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of insect control. Consult the manufacturer of the seed treating equipment for advice on the operation and calibration of the equipment. Maintain constant product agitation during the seed treatment process. Allow the seed to dry before bagging.

This product contains no pigment. Users are responsible for ensuring that the treated seed, when dried and ready for bagging, has an unnatural colour. Regulations pertaining to colouration of treated seed enforced under the "Seed Act" must be strictly adhered to when using this product.

12.0 CROP USE DIRECTIONS

12.1. Oilseeds

OILSEEDS	
CROP	Canola, rapeseed and oilseed mustard (<i>Brassica</i> spp.)
PEST	Flea beetles
RATE	400 mL/100 kg seed (200 g ai/100 kg seed) in combination with a seed treatment containing thiamethoxam or clothianadin that is registered for use on canola, rapeseed and/or oilseed mustard.
APPLICATION METHOD	Seed treatment
NOTES	For control of Flea Beetles, based on 200,000 seeds per kg (5.0 g/1000 seeds) RASCENDO (sulfoxaflor) delivers 2 g ai/kg or 10 µg active ingredient per seed
RESTRICTION	Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with RASCENDO.

12.2. Tank Mixes

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

13.0 RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that RASCENDO contains a Group 4C insecticide and must be used in a tank mix with a Group 4A insecticide. Any insect population may contain individuals naturally resistant to RASCENDO and other Group 4C and 4A insecticides. The resistant individuals may dominate the insect population if these groups of insecticides are used repeatedly in the same field. 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 RASCENDO or other Group 4 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. If resistance is suspected, do not reapply RASCENDO or other Group 4 insecticides.

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 company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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