

2023-0212
2023-09-08



{Booklet Label}

GROUP	3, 4, 11, 22	FUNGICIDE
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INTEGO SUITE Canola Seed Protectant

SUSPENSION COMMERCIAL

A seed treatment product providing systemic fungicide control or suppression of labeled seed and seedling diseases on canola/rapeseed.

ACTIVE INGREDIENT:

Ethaboxam.....	10.21 g/L
Mandestrobin.....	13.65 g/L
Metconazole.....	2.04 g/L
Metalaxyl.....	5.44 g/L

Contains 1,2-benzisothiazolin-3-one at 0.046% as a preservative OR Contains 5-chloro-2-methylisothiazolin-3-one at 0.0017 % and 2-methylisothiazolin-3-one at 0.0006 % as preservatives

Contains the allergen sulfites

REGISTRATION NUMBER 33532 PEST CONTROL PRODUCTS ACT

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

NET CONTENTS:

This product contains blue colourant for application to canola/rapeseed, according to regulations pertaining to the "Seeds Act".

HEALTH EMERGENCY OR SPILL (24 hr):

(800) 682-5368

TRANSPORTATION (24 hr.): CHEMTREC

(800) 424-9300 or (202) 483-7616

GROWER INFORMATION:

Valent Canada, Inc.

201-230 Hanlon Creek Blvd.

Guelph, ON N1C 0A1 Contact Phone Number: (519) 767-9262

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.

FIRST AID:

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.

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 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.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

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

TOXICOLOGICAL INFORMATION:

No specific antidote is available. Treat the patient symptomatically.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Wash hands thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Seed Treatment Workers:

Do not apply in a way that this product will contact workers or other persons, either directly or through drift.

Commercial seed treatment (facilities and mobile treaters):

Seed treatment facilities must use closed transfer equipment only, including closed mixing, loading, calibrating, and treatment equipment. No open transfer of INTEGO SUITE Canola Seed Protectant is permitted in commercial seed treatment facilities. Mobile treaters may use open transfer systems.

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes or boots during mixing, loading, treating, and during bagging, sewing, stacking of treated seed. Wear chemical-resistant coveralls during cleaning, maintenance and repair of seed treatment equipment.

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.

User Safety Recommendations:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing 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.

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., contact Valent Canada, Inc.

ENVIRONMENTAL PRECAUTIONS:

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

TOXIC to aquatic organisms and non-target terrestrial plants.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

USE RESTRICTIONS:

- Do not use treated seed for food, feed, or oil processing.
- Due to seed quality conditions beyond the control of Valent Canada, Inc., no claims are made to guarantee germination of carry-over seed.

LABELLING OF TREATED SEED:

All bags containing treated seed must be labeled or tagged as follows:

- This seed was treated with a product containing the active ingredients ethaboxam, mandestrobin, metconazole, and metalaxyl.
- Do not use treated seed for feed, food or oil processing.
- Store away from feeds and other foodstuffs.
- Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes when handling and planting treated seeds, and during clean-up, maintenance, and repair. Chemical-resistant gloves are not required when inside closed-cab planting equipment.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- Dispose of seed packaging in accordance with local requirements.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or incorporate spilled treated seeds.

APPLICATION INSTRUCTIONS:

INTEGO SUITE Canola Seed Protectant must be used only in accordance with use instructions on this label utilizing mechanical, slurry or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. This product is for commercial application only. Do not apply this product in a hopper-box or planter-box at planting time. Always mix product thoroughly before use.

INTEGO SUITE Canola Seed Protectant product contains blue colourant for application to canola/rapeseed, according to regulations pertaining to the “Seeds Act”.

Calibrate seed treatment equipment prior to application of *INTEGO SUITE* Canola Seed Protectant to assure proper application rate is achieved. Consult with the seed treatment equipment manufacturer for guidance on the operation and proper calibration of the treating equipment, as non-uniform, inaccurate seed coverage may result in suboptimal disease protection.

MODE OF ACTION

INTEGO SUITE Canola Seed Protectant contains the active ingredients ethaboxam, mandestrobin, metconazole, and metalaxyl. Ethaboxam is a Group 22 fungicide as classified by the Fungicide Resistance Action Committee (FRAC); its mode of action is the inhibition of cell division. Mandestrobin belongs to the strobilurin or Quinone Outside Inhibitors (QoI) class (Group 11) of fungicides as classified by the FRAC. Metalaxyl is a member of the acylalanine chemical group (FRAC Code 4) and interrupts fungal nucleic acid synthesis. Metconazole belongs to the sterol biosynthesis inhibitor group of fungicides (FRAC Code 3).

SEED QUALITY AND STORAGE OF TREATED SEED:

Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (*INTEGO SUITE* Canola Seed Protectant alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Use proper storage conditions for treated seed. Due to seed quality and seed storage conditions beyond the control of Valent Canada, Inc., no claims are made to guarantee the germination of carry-over treated seed.

GENERAL INFORMATION:

INTEGO SUITE Canola Seed Protectant is a systemic fungicide seed protection product for use on canola. The active ingredients mandestrobin and metconazole provide protection against *Rhizoctonia solani*, and *Fusarium* spp. causing seed rot/pre-emergence damping-off, seedling blight and seedling root rot. The active ingredients ethaboxam and metalaxyl provide protection against the Oomycete class of water moulds and control seed rot/pre-emergence damping-off caused by *Pythium* spp. This product contains only fungicide components; it is recommended that this product be tank mixed with an insecticide component, such as Nipsit INSIDE 600 Insecticide, containing clothianidin, for control of flea beetles.

DIRECTIONS FOR USE:

Accurate application of *INTEGO SUITE* Canola Seed Protectant to seed is required for best performance. Thoroughly mix *INTEGO SUITE* Canola Seed Protectant in the desired seed slurry mixture, prior to application to seed. Pre-test tank mixtures with other seed treatment products to evaluate formulation compatibility and to ensure proper physical compatibility of products.

TANK MIXING:

This product may be tank mixed with 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 Valent Canada, Inc. at 519-767-9262 for information before applying any tank mix that is not specifically recommended on this label.

CANOLA/RAPESEED (Subgroup 20A)	
borage, carinata; crambe; cuphea; echium; flax seed; gold of pleasure; hare's ear mustard; lesquerella; lunaria; meadowfoam; milkweed; mustard seed; oil radish; poppy seed; rapeseed (including canola); sesame; sweet rocket; cultivars, varieties, and/or hybrids of these	
<p>Seed rot/pre-emergence damping-off, seedling blight and seedling root rot caused by <i>Rhizoctonia solani</i> and <i>Fusarium</i> spp.</p> <p>Suppression of seed-borne blackleg (<i>Leptosphaeria maculans</i>) on canola/rapeseed, crambe, gold of pleasure, hare's ear mustard, lesquerella, lunaria, mustard seed, oil radish, and sweet rocket ONLY</p> <p>Seed rot/pre-emergence damping-off (<i>Pythium</i> spp.)</p>	<p>735 mL/100 kg seed (Ethaboxam – 7.5 g a.i./100 kg seed) (Mandestrobin - 10 g a.i./100 kg seed) (Metconazole – 1.5 g a.i./100 kg seed) (Metalaxyl – 4 g a.i./100 kg seed)</p>

Commodity	Plant-Back Interval
Cereals, soybeans, sugar beet, CSG 20A, dried beans	Immediate
All other crops	35 days

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that *INTEGO SUITE* Canola Seed Protectant contains Group 3, 4, 11, and 22 fungicides. Any fungal population may contain individuals naturally resistant to *INTEGO SUITE* Canola Seed Protectant and other Group 3, 4, 11, and 22 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of *INTEGO SUITE* Canola Seed Protectant or other GROUP 3, 4, 11, and 22 fungicides with different chemical groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development. Notify Valent Canada, Inc. if reduced sensitivity of the pathogen to *INTEGO SUITE* Canola Seed Protectant is suspected.
- 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 Valent Canada, Inc. at 1-800-682-5368.

STORAGE:

To prevent contamination store this product away from food or feed.

Keep pesticide in its original container. Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures.

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.

RECYCLABLE CONTAINER:

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 spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

RETURNABLE CONTAINER:

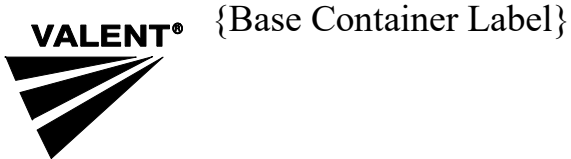
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REFILLABLE CONTAINER:

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.

NON-RECYCLABLE/RETURNABLE/REFILLABLE CONTAINER:

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