



**** BASE CONTAINER LABEL****

GROUP	4	INSECTICIDE
GROUP	3 4 22	FUNGICIDES

INTEGO® SUITE Cereals OF

**SUSPENSION
COMMERCIAL**

INTEGO SUITE Cereals OF Seed Protectant is a ready-to-use systemic insecticide plus fungicide seed treatment product for use on wheat seed to provide suppression of wireworm feeding and protection against labeled seed- and soil-borne diseases of wheat.

ACTIVE INGREDIENT:

- Clothianidin 29.5g/L
- Ethaboxam..... 14.7 g/L
- Metalaxyl.....8.82g/L
- Metconazole..... 4.41g/L

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00152 % and 2-methyl-4-isothiazolin-3- one at 0.00050% as preservatives.

AND

Contains 1,2-benzisothiazolin-3-one at 0.00189 % as a preservative.

REGISTRATION NUMBER 34326 PEST CONTROL PRODUCTS ACT

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

NET CONTENTS: 1 L - bulk (bulk tanker)

This product contains red colourant for application to wheat seed, 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

Valent Canada, Inc.
201-230 Hanlon Creek Blvd, Guelph, Ontario, N1C 0A1
Contact Phone Number: (519) 767-9262
www.valent.ca

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. 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 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. Harmful or fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Seed Treatment Workers: Workers mixing, loading, treating, clean-up, or maintaining and repairing seed treatment equipment, bagging, sewing, or stacking treated seed must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, and respiratory protection (i.e., NIOSH -approved dust-filtering respirator or fresh air hood).

A closed cab planter is required when planting treated wheat seeds.

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. If no such instructions for washables, 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:

Toxic to aquatic organisms.

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

Clothianidin is toxic to bees. Dust generated during planting of treated seed may be harmful to bees and other pollinators. To help minimize the dust generated during planting, refer to the complete guidance “Pollinator Protection and Responsible Use of Treated Seed- Best Management Practices” on the Health Canada webpage on pollinator protection at www.healthcanada.gc.ca/pollinators.

Do not load or clean planting equipment near bee colonies, and avoid places where bees may be foraging, such as flowering crops or weeds. When turning on the planter, avoid engaging the system where emitted dust may contact honey bee colonies. Bees can be exposed to product residues in flowers, leaves, pollen and/or nectar resulting from seed treatments. When used according to label directions minimal exposure or risk is expected.

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

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.

STORAGE:

Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment. Store in a cool place, away from food and feed. 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.

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.

INTEGO is a registered trademark of Valent U.S.A. LLC



** BOOKLET**

GROUP	4	INSECTICIDE
GROUP	3 4 22	FUNGICIDES

INTEGO® SUITE Cereals OF
SUSPENSION
COMMERCIAL

INTEGO SUITE Cereals OF Seed Protectant is a ready-to-use systemic insecticide plus fungicide seed treatment product for use on wheat seed to provide suppression of wireworm feeding and protection against labeled seed- and soil-borne diseases of wheat.

ACTIVE INGREDIENT:

Clothianidin 29.5g/L
Ethaboxam..... 14.7 g/L
Metalaxyl.....8.82g/L
Metconazole..... 4.41g/L

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00152 % and 2-methyl-4-isothiazolin-3-one at 0.00050% as preservatives.

AND

Contains 1,2-benzisothiazolin-3-one at 0.00189 % as a preservative.

REGISTRATION NUMBER 34326 PEST CONTROL PRODUCTS ACT

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

NET CONTENTS: 1 L - bulk (bulk tanker)

This product contains red colourant for application to wheat seed, 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

www.valent.ca

Valent Canada, Inc.

201-230 Hanlon Creek Blvd., Guelph, Ontario, N1C 0A1

Contact Phone Number: (519) 767-9262

For use in commercial seed treatment facilities (with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only) and for use on-farm (open transfer including open mixing, loading calibrating, and open treatment equipment is allowed).

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. 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 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. Harmful or fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Seed Treatment Workers: Workers mixing, loading, treating, clean-up, or maintaining and repairing seed treatment equipment, bagging, sewing, or stacking treated seed must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, and respiratory protection (i.e., NIOSH -approved dust-filtering respirator or fresh air hood).

A closed cab planter is required when planting treated wheat seeds.

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. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

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:

Toxic to aquatic organisms.

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

Clothianidin is toxic to bees. Dust generated during planting of treated seed may be harmful to bees and other pollinators. To help minimize the dust generated during planting, refer to the complete guidance “Pollinator Protection and Responsible Use of Treated Seed- Best Management Practices” on the Health Canada webpage on pollinator protection at www.healthcanada.gc.ca/pollinators.

Do not load or clean planting equipment near bee colonies, and avoid places where bees may be foraging, such as flowering crops or weeds. When turning on the planter, avoid engaging the system where emitted dust may contact honey bee colonies. Bees can be exposed to product residues in flowers, leaves, pollen and/or nectar resulting from seed treatments. When used according to label directions minimal exposure or risk is expected.

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

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.

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.
- Do not graze or feed livestock on treated areas for four weeks after planting.

LABELLING OF TREATED SEED:

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

- This seed was treated with *INTEGO SUITE* Cereals OF, which contains clothianidin, ethaboxam, metalaxyl, and metconazole.
- Do not use treated seed for feed, food or oil processing.
- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- This product is toxic to aquatic invertebrates.
- 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.
- A closed cab planter is required when planting treated wheat seeds.
- Clothianidin is toxic to bees. Dust generated during planting of treated seed may be harmful to bees and other pollinators.
- To help minimize the dust generated during planting, refer to the complete guidance “Pollinator Protection and Responsible Use of Treated Seed- Best Management Practices” on the Health Canada webpage on pollinator protection at www.healthcanada.gc.ca/pollinators.
- Do not load or clean planting equipment near bee colonies, and avoid places where bees may be foraging, such as flowering crops or weeds.
- When turning on the planter, avoid engaging the system where emitted dust may contact honey bee colonies.
- Spilled or exposed seeds and dust must be incorporated into the soil or cleaned up from the soil surface.

STORAGE:

Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment. Store in a cool place, away from food and feed. 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.

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.

GENERAL INFORMATION:

INTEGO SUITE Cereals OF is a systemic insecticide plus fungicide seed protection product for use on wheat seed. The product provides suppression of wireworm feeding and protection against labeled seed-borne and soil-borne pathogens. Clothianidin is the insecticide component within *INTEGO* SUITE Cereals OF resulting in suppression of wireworm feeding and seed/seedling damage. The fungicide components of *INTEGO* SUITE Cereals OF are ethaboxam, metalaxyl and metconazole. The active ingredient, ethaboxam, controls seed rot/ pre-emergence damping-off caused by *Pythium* spp.. Metalaxyl also protects seed and seedlings against seed rot, damping-off, seedling blight and root rot associated with *Pythium* spp. Metconazole fungicide gives protection against seed and soil-borne common bunt (*Tilletia laevis*) and loose smut (*Ustilago tritici*), early season seed rot/ pre-emergence damping-off caused by *Fusarium* spp., early season seed rot/ pre-emergence damping-off caused by *Rhizoctonia solani* and suppression of common root rot caused by *Cochliobolus sativus*.

Clothianidin is a Group 4 Insecticide. Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with *INTEGO* SUITE Cereals OF.

The product is formulated for use as an on-farm and commercial seed treatment product.

DIRECTIONS FOR USE:

INTEGO SUITE Cereals OF is a ready to use product, which includes red colourant (according to regulations pertaining to the “Seeds Act”). No additional colourant, dyes, binders, polymers, or water are required.

Calibrate seed treatment equipment prior to application of *INTEGO* SUITE Cereals OF 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 insect or disease protection.

Apply 339 mL per 100 kg seed of *INTEGO* SUITE Cereals OF using standard commercial or on-farm seed treatment equipment to secure uniform seed coverage. Allow treated seed to dry prior to bagging.

RECOMMENDED APPLICATION

Crop	Insect Suppressed	Disease Controlled	Application Rate of <i>INTEGO SUITE Cereals OF</i>	Remarks
Wheat	Wireworm	<p>Early season seed rot/ pre-emergence damping-off caused by <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i></p> <p>Early season seed rot/pre-emergence damping-off, post-emergence damping-off, seedling blight and seedling root rot caused by <i>Pythium</i> spp.</p> <p>Common root rot caused by <i>Cochliobolus sativus</i> (suppression)</p> <p>Common bunt (<i>Tilletia laevis</i>)</p> <p>Loose smut (<i>Ustilago tritici</i>)</p>	339 ml/100 kg seed	<p>Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with <i>INTEGO SUITE Cereals OF</i>.</p> <p>For control of wireworm, apply NipsIt INSIDE 600 Insecticide at 17-83 mL/100 kg seed. Use higher rates on cereal grain seed to be planted into fields known to have a history of severe wireworm infestations for protection to seed and seedlings.</p>

SEED QUALITY AND STORAGE OF TREATED SEED

- Laboratory and field studies have shown that *INTEGO SUITE Cereals OF* applied to seed will not adversely affect germination.
- Due to seed quality conditions beyond the control of Valent Canada, Inc., no claims are made to guarantee germination of carry-over seed. Treatment of mechanically scarred or damaged seed, or of seed known to be of low germ, low vigour and poor quality is not recommended.
- Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment.

SEEDING EQUIPMENT:

INTEGO SUITE Cereals OF -treated seeds may not flow through seeding equipment at the same rate as other wheat seed treatment products or untreated seed. Re-calibration of seeding equipment is recommended before planting seed treated with *INTEGO* SUITE Cereals OF to insure proper planting rate in the field.

ROTATIONAL CROP RESTRICTIONS:

Corn, canola, rapeseed and wheat may be replanted at any time. A one year plantback interval is required for leafy, root and tuber vegetables (except potato). A 35-day plantback interval on cereal grains (except wheat), grasses, non-grass animal feeds, potato, soybeans and dried beans is required.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that *INTEGO* SUITE Cereals OF contains a Group 4 insecticide and Group 3, 4, and 22 fungicides. Any insect or fungal population may contain individuals naturally resistant to *INTEGO* SUITE Cereals OF and other Group 4 insecticides or Group 3, 4, and 22 fungicides. A gradual or total loss of pest control may occur over time if these insecticides or fungicides 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 pest resistance:

- Where possible, rotate the use of *INTEGO* SUITE Cereals OF or other Group 4 insecticides and Groups 3, 4, and 22 fungicides with different chemical groups that control the same insects or pathogens.
- Insecticide and fungicide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated insect and fungal 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 or to report suspected resistance contact Valent Canada, Inc. at 1-800-682-5368.

INTEGO is a registered trademark of Valent U.S.A. LLC