



**** CARTON****

GROUP	4	INSECTICIDE
GROUP	3 4	FUNGICIDES

NipsIt™ SUITE Cereals OF Seed Protectant

SUSPENSION COMMERCIAL

NipsIt 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 seed- and soil-borne diseases of wheat.

GUARANTEE:

Clothianidin 30.7 g/L
Metalaxyl.....9.24 g/L
Metconazole..... 4.62 g/L

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00158 % and 2-methyl-4-isothiazolin-3-one at 0.00052% as preservatives

REGISTRATION NUMBER 31357 PEST CONTROL PRODUCTS ACT

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

NET CONTENTS: 10 L to 1050 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

GROWER INFORMATION:

Valent Canada, Inc.

3-728 Victoria Road South, Guelph, Ontario, N1L 1C6

Contact Phone Number: (519) 767-9262

www.valent.ca

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).

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.

NipsIt is a trademark of Valent U.S.A. Corporation.

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.

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.

ENVIRONMENTAL HAZARDS:

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.

Toxic to bees. Bees can be exposed to product residues in flowers, leaves, pollen and/or nectar resulting from seed treatments.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of Nipsit Suite Cereals OF Seed Protectant 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.

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 US visit CropLife Canada's Website at www.Croplife.ca.

STORAGE AND DISPOSAL:

Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment.

PESTICIDE STORAGE: Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures.

PESTICIDE 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:

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:

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**** CONTAINER****

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** BOOKLET**

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

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This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of Nipsit Suite Cereals OF Seed Protectant 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 *NipsIt* SUITE Cereals OF Seed Protectant, which contains clothianidin, 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.
- Cover or incorporate spilled treated seeds.
- A closed cab planter is required when planting treated wheat seeds.

STORAGE AND DISPOSAL:

Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment.

PESTICIDE STORAGE: Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures.

PESTICIDE 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.

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GENERAL INFORMATION:

NipsIt SUITE Cereals OF Seed Protectant is a systemic insecticide plus fungicide seed protection product for use on wheat seed. The product provides suppression of wireworm feeding and protection against seed-borne and soil-borne pathogens. Clothianidin is the insecticide component within *NipsIt* SUITE Cereals OF Seed Protectant resulting in

suppression of wireworm feeding and seed/seedling damage. The fungicide components of *NipsIt* SUITE Cereals OF Seed Protectant are metalaxyl and metconazole. Metalaxyl 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 *NipsIt* SUITE Cereals OF Seed Protectant.

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

DIRECTIONS FOR USE:

NipsIt SUITE Cereals OF Seed Protectant 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 *NipsIt* SUITE Cereals OF 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 insect or disease protection.

Apply 326 mL per 100 kg seed of *NipsIt* SUITE Cereals OF Seed Protectant 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 Claims	Disease Claims	Application Rate of <i>NipsIt</i> Suite Cereals OF Seed Protectant	Remarks
Wheat	Wireworm (suppression)	Early season seed rot/ pre-emergence damping-off caused by <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>	326 ml/100 kg seed	Do not make any subsequent application of a Group 4 Insecticide

		<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>		(i.e., in-furrow or foliar application) following treatment with NipsIt SUITE Cereals OF Seed Protectant.
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SEED QUALITY AND STORAGE OF TREATED SEED

- Laboratory and field studies have shown that *NipsIt* SUITE Cereals OF Seed Protectant 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. Due to seed quality conditions beyond the control of Valent Canada, Inc., no claims are made to guarantee germination of carry-over seed.

SEEDING EQUIPMENT:

NipsIt SUITE Cereals OF Seed Protectant-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 *NipsIt* SUITE Cereals OF Seed Protectant 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 *NipsIt* SUITE Cereals OF Seed Protectant contains a Group 4 insecticide and Group 3 and 4 fungicides. Any insect or fungal population may contain individuals naturally resistant to *NipsIt* SUITE Cereals OF Seed Protectant and other Group 4 insecticides or Group 3 and 4 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 *NipsIt* SUITE Cereals OF Seed Protectant or other Group 4 insecticides and Groups 3 and 4 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.

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