

2011-2264
2012-11-20



GROUP	4	INSECTICIDE
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TITAN™ INSECTICIDE

SUSPENSION

Titan Insecticide is a systemic insecticide for control of insect pests
and for suppression of wireworms in potatoes.

COMMERCIAL

GUARANTEE: Clothianidin600 g/L

Contains 1,2-benzisothiazolin-3-one at 0.04% and 5-chloro-2-methyl-4-isothiazolin-3-one
at 0.001% and 2-methyl-4-isothiazolin-3-one at 0.0004% as preservatives.

REGISTRATION NUMBER 27449 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

WARNING POISON

NET CONTENTS : 1 L, 3.8 L, 10 L, 200 L, 1000 L

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.

BAYER CROPSCIENCE INC.
200-160 Quarry Park Blvd. S.E
Calgary, Alberta T2C 3G3

1-(888) 283-6847

IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY RESPONSE
NUMBER, 1-800-334-7577 (24 HOURS A DAY)

Titan™ is a trademark of Bayer CropScience.

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

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

If swallowed: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor immediately 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 center or doctor for further treatment advice.

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 five minutes, then continue rinsing. Call a poison control center or doctor for further treatment advice.

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

IN-FURROW APPLICATION: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes for mixing, loading, clean-up and repair. Applicators must wear long-sleeved shirt, long pants, socks, shoes and have chemical-resistant gloves available.

POTATO SEED PIECE TREATMENT: Workers mixing, loading, sorting/cutting, treating, cleaning-up, maintaining and repairing seed piece treatment equipment, handling and planting treated potato seed pieces must wear coveralls over long-sleeved shirt, long pants, chemical resistant gloves, headgear, socks and shoes, and respiratory protection (i.e. NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). Planters, while driving closed-cab equipment, are not required to wear a respirator.

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., visit CropLife Canada's Website at www.croplife.ca.

ENVIRONMENTAL HAZARDS

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. Any spilled or exposed seeds pieces 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.

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.

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 AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool place away from feeds and other foodstuffs. 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:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
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4. Prior to refilling inspect thoroughly for damage.
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DIRECTIONS FOR USE

ROTATIONAL CROP RESTRICTIONS

Corn, canola and potatoes may be replanted at any time. A one year plant-back interval is required for leafy, root and tuber vegetables (except potatoes). A 30-day plantback interval for cereal grains, grasses, nongrass animal feeds and soybeans and dried beans is required.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that Titan Insecticide contains a Group 4 insecticide. Any insect population may contain individuals naturally resistant to this product and other Group 4 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is 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 insecticide resistance:

- Where possible, rotate the use of Titan Insecticide 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 integrated pest management (IPM) program that includes scouting and record keeping and considers cultural, biological, and other chemical control practices;
- Monitor treated pest populations for resistance development;
- Contact the local extension specialist or certified crop advisors for any additional pesticide resistance-management and IPM recommendations for the specific site and pest problems in the area;

For further information or to report suspected resistance, contact Bayer CropScience Inc. at 1-888-283-6847.

DIRECTIONS FOR USE

Potato seed-piece treatment for control of insect pests and for suppression of wireworms.

Pests	Rate of Titan Insecticide per 100 kg potato seed pieces	Remarks
Wireworm (<i>Agriotes obscurus</i> , <i>A. lineatus</i> , <i>Limonius agonus</i> , <i>Melanotus spp.</i> , <i>M. communis</i> (damage suppression only.)) May reduce the	20.8 mL	Apply only in areas with adequate ventilation or in areas that are equipped to remove spray mist or dust. Apply specified dosage as a diluted spray onto seed pieces using a shielded spray system that is well contained and will prevent the loss of any liquid. Agitate or stir spray solution as needed. For optimal insect control, good coverage of the seed pieces is required. Do not dilute with any more than 6 parts water to 1

damage caused by other wireworm species.		part Titan Insecticide. As part of the seed cutting and treating process, application of a fungicide registered for potato seed treatment and/or an inert absorbent ingredient is recommended to improve suberization.
Aphid (including potato, green peach, foxglove and buckthorn aphids), Colorado potato beetle, Potato leafhopper, Potato flea beetle (overwintered adults and suppression of second generation)	10.4 – 20.8 mL	Plant seed pieces as soon as possible after cutting and treating. Consult local specialists, Bayer CropScience representative or dealer for information relevant to your area. Do not apply any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with Titan Insecticide. For extended residual control of pests other than wireworm, apply the higher rate. Do not enter or allow worker re-entry into treated areas during the restricted entry interval of 12 hours.

In-furrow application for control of Colorado potato beetle and leafhoppers.

Pest	Rate of Titan Insecticide mL/100 m row	Remarks
Colorado potato beetle, Leafhoppers	2.0 – 3.33 mL (221-373 mL/ha based on 90 cm row spacing)	Apply as a narrow band in-furrow. For best results, direct spray on the seed pieces or seed potatoes in the furrow. The length of control may vary due to climate and soil conditions. The higher rate is recommended when extended length of control is needed. Do not apply more than once per season as a soil application. Do not apply any subsequent application of a Group 4 Insecticide (e.g. foliar) following an in-furrow application with Titan Insecticide. Do not apply Titan Insecticide in conjunction with a Group 4 Insecticide seed piece treatment. Do not enter or allow worker re-entry into treated areas during the restricted entry interval of 12 hours.

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** CARTON **

GROUP	4	INSECTICIDE
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PONCHO® 600 FS

Seed Treatment Insecticide

SUSPENSION

PONCHO® 600 FS Seed Treatment Insecticide is a systemic insecticide seed treatment for use on canola, rapeseed and corn for the control of certain insect pests. For use in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of PONCHO 600 FS Seed Treatment Insecticide.

COMMERCIAL

GUARANTEE: Clothianidin600 g/L

Contains 1,2-benzisothiazolin-3-one at 0.04% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.001% and 2-methyl-4-isothiazolin-3-one at 0.0004% as preservatives.

REGISTRATION NUMBER 27453 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

WARNING POISON

NET CONTENTS: 56.8 L, 100 L, 113 L, 200 L, 1000 L

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. A baby blue colourant must be added when this product is applied to canola/rapeseed.

24 HOUR EMERGENCY PHONE: 1-800-334-7577
PRODUCT INFORMATION: 1-888-283-6847

Bayer CropScience Inc.
200-160 Quarry Park Blvd. SE
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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.

®PONCHO is a registered trademark of Bayer CropScience.



** CONTAINER **

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PONCHO® 600 FS

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COMMERCIAL

GUARANTEE: Clothianidin600g/L

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FIRST AID:

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. 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 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.

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.

TOXICOLOGICAL INFORMATION:

No specific antidote is available. Treat the patient symptomatically.

PRECAUTIONS:

SAFETY 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/MSHA/BHSE-approved dust-filtering respirator or fresh air hood).

User Safety Recommendations:

User should:

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ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals.

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

When using a seed flow lubricant with corn seed treated with PONCHO™ 600 FS Seed Treatment Insecticide,

only a dust-reducing fluency agent is permitted. Talc and graphite are not permitted to be used as a seed flow lubricant for corn seed treated with this insecticide. Carefully follow use directions for the seed flow lubricant. 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.

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STORAGE AND DISPOSAL:

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- 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., visit CropLife Canada's website at: www.croplife.ca/.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals.

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

When using a seed flow lubricant with corn seed treated with PONCHO™ 600 FS Seed Treatment Insecticide,

only a dust-reducing fluency agent is permitted. Talc and graphite are not permitted to be used as a seed flow lubricant for corn seed treated with this insecticide. Carefully follow use directions for the seed flow lubricant. 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. 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.

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 Bayer CropScience Inc., no claims are made to guarantee germination of carry-over seed.
- Rape greens and seed grown or harvested from PONCHO™ 600 FS Seed Treatment Insecticide-treated seed must not be used for feed or human consumption.
- Rapeseed grown and harvested from PONCHO™ 600 FS Seed Treatment Insecticide-treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.

LABELING OF TREATED SEED:

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

- This seed has been treated with PONCHO™ 600 FS Seed Treatment Insecticide, which contains clothianidin.
- Do not use for feed, food or oil processing.
- Rape greens and seed grown or harvested from PONCHO™ 600 FS Seed Treatment Insecticide-treated seed must not be used for feed or human consumption.
- 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.
- Spilled or exposed seeds and dust must be incorporated into the soil or cleaned up from the soil surface.

Additionally, all treated corn seed for sale or use in Canada must be labelled with the following information:

- 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 .
When using a seed flow lubricant with this treated seed, only a dust-reducing fluency agent is permitted. Talc and graphite are not permitted to be used as a seed flow lubricant for corn seed treated with this insecticide. Carefully follow use directions for the seed flow lubricant.
- 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.

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:

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:

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

REFILLABLE CONTAINER:

1. After use, return the container to the point of purchase or designated locations.
2. This container must only be refilled with PONCHO™ 600 FS Seed Treatment Insecticide at designated locations.
3. Do not reuse container for other purposes.
4. Prior to refilling inspect thoroughly for damage.
5. Check for leaks after refilling and before transportation.
6. Do not refill or transport damaged or leaking containers.
7. If the container is not being refilled, return to the point of purchase.

NON-RECYCLABLE/RETURNABLE/REFILLABLE CONTAINER:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.

SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that Poncho 600 Seed Treatment Insecticide applied to canola seed will not adversely affect germination.

Due to seed quality conditions beyond the control of Bayer CropScience 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 Bayer, no claims are made to guarantee germination of carry-over seed.

DIRECTIONS FOR USE:

PONCHO™ 600 FS Seed Treatment Insecticide is a systemic insecticide seed treatment for use on canola, rapeseed and corn for the control of certain insects.

For use in commercially available equipment designed for seed treatment only. Not for use in hopper-box, slurry-box, or similar seed treatment applications used at planting. This product is to be used in liquid or slurry treaters. Mix thoroughly before use or use entire container at one time. Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with PONCHO 600 FS Seed Treatment Insecticide.

SPECIAL USE RESTRICTION : 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. A baby blue colourant must be added when this product is applied to canola/rapeseed.

ROTATIONAL CROP RESTRICTIONS:

Corn, canola and rapeseed may be replanted at any time. A one year plantback interval is required for leafy, root and tuber vegetables. A 30-day plantback interval on cereal grains, grasses, nongrass animal feeds and soybeans and dried beans is required.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, PONCHO™ 600 FS Seed Treatment Insecticide contains a Group 4 insecticide. Any insect population may contain individuals naturally resistant to PONCHO™ 600 FS Seed Treatment Insecticide and other Group 4 insecticides. The resistant individuals may dominate the insect population if this group 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 PONCHO™ 600 FS Seed Treatment Insecticide 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 integrated pest management (IPM) program that includes scouting, record keeping and considers cultural, biological, and other chemical control practices.
- Monitor treated pest 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 Bayer CropScience Inc. at 1-888-283-6847.

RECOMMENDED APPLICATIONS

Crop	Pest	Rate PONCHO™ 600 FS Seed Treatment Insecticide		Remarks
Canola, Rapeseed	Flea beetle	250 mL, 333 mL or 666 mL per 100 kg seed		<p>250 mL/100 kg seed: For use under low to moderate flea beetle pressure.</p> <p>333 mL/100 kg seed: For a higher level of control under moderate flea beetle pressure.</p> <p>666 mL/ 100 kg seed: For use under high to extreme flea beetle pressure where extended control is required.</p> <p>Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with PONCHO 600 FS Seed Treatment Insecticide.</p>
Corn (including field, sweet, and pop)		mg AI/kernal	per 80,000 unit of seed	
	Corn rootworm (including Northern, Western)	1.25	166.7 mL	The application rate recommended for control of corn rootworm also provides control of other listed corn pests.
	Corn flea beetle, Black cutworm, Seedcorn maggot, Wireworm	0.25 – 0.5	33.3 – 66.6 mL	If corn rootworm is not a target pest, use appropriate lower application rates for control of other listed corn pests.
	White grub (larvae of European Chafer, May/June beetle, Japanese beetle)	0.25	33.3 mL	<p>Poncho 600 FS Seed Treatment Insecticide may be tank-mixed with Maxim XL Seed Treatment Fungicide at labeled rates for control of fungus diseases in corn. Follow all directions and precautions on the label.</p> <p>Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with PONCHO 600 FS Seed Treatment Insecticide.</p>

TANK MIX

Tank mix Instructions for PONCHO 600 FS Seed Treatment Insecticide with PROSPER FL Flowable Insecticide-Fungicide Seed Treatment (for canola only):

Prosper FL when applied alone on canola seeds will provide 150 g clothianidin/ 100 kg seed for control of flea beetles under low to moderate insect pressure. For a higher level of control under moderate flea beetle pressure, mix 83 mL of PONCHO 600 FS Seed Treatment Insecticide with 1250 mL of Prosper FL, per 100 kg of canola seeds, to obtain a total dosage of 200 g of clothianidin/100 kg seed. For use under high to extreme flea beetle pressure, where extended control is required, mix 417 mL of PONCHO 600 FS Seed Treatment Insecticide with 1250 mL of Prosper FL per 100 kg of canola seeds, to obtain a total dosage of 400 g of clothianidin/100 kg seed.

CROP/PEST	CANOLA SEEDS	PONCHO 600 FS + PROSPER FL	USE RECOMMENDATION
Canola/ flea beetles	100 kg	83 mL + 1250 mL	For a higher level of control under moderate flea beetle pressure
	100 kg	417 mL + 1250 mL	For use under high to extreme flea beetle pressure, where extended control is required

Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with PONCHO 600 FS Seed Treatment Insecticide.

When tank mixing, use closed transfer systems only. No open transfer.

When adding rinsate from triple rinsing the container for disposal, be sure to re-calibrate seed treater by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate. Please refer below to Triple Rinsing Instructions which are specific to the tank mix for canola.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL – FOR TANK MIX FOR CANOLA ONLY:

Recyclable and disposable containers for Poncho 600 FS and Prosper FL should be triple rinsed prior to their disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating.

CAUTION: DO NOT dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause the tank mix to thin resulting in settling of solids in the product.

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Prosper^{EverGol} Seed Treatment

GROUP	4	7	11	FUNGICIDES
GROUP	4			INSECTICIDE

Fungicide and Insecticide

A Fungicide and Insecticide Seed Treatment for seed and seedling protection against certain seed and soil-borne diseases and insect pests on labelled crops

All seed treated with this product must be conspicuously coloured at the time of treatment. No open transfer is permitted in commercial seed treatment facilities.

SUSPENSION

AGRICULTURAL

GUARANTEE:	Clothianidin	290 g/L
	Penflufen	10.7 g/L
	Trifloxystrobin	7.15 g/L
	Metalaxyl	7.15 g/L

Contains 1,2 benzisothiazolin-3-one at 0.05% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION NO. 30363 PEST CONTROL PRODUCTS ACT

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

PROTECT FROM FREEZING

NET CONTENTS 3.79L - 1000L, 15000L (bulk tanker)

Bayer CropScience
Suite 200, 160 Quarry Blvd. SE.
Calgary, AB T2C 3G3

For product information, call: 1-888-283-6847

In case of spills, poisoning, fire or other emergencies,
call: 1-800-334-7577 (24 hours a day)

Prosper^{EverGol} is a liquid fungicide and insecticide seed treatment containing clothianidin, penflufen, trifloxystrobin and metalaxyl. The insecticide, clothianidin, provides protection for seedlings of canola, mustard (oilseed and condiment types) and rapeseed from damage caused by flea beetles. Prosper^{EverGol} provides protection from flea beetle feeding up to the 4-leaf stage of labelled crops. The fungicides penflufen, trifloxystrobin, and metalaxyl provide early season control of seed-borne blackleg and seed-borne *Alternaria* spp. and provide protection from seed, seedling and soil-borne diseases caused by *Rhizoctonia solani*, *Fusarium* spp. and *Pythium* spp. on labelled crops.

DIRECTIONS FOR USE:

Refer to the attached booklet for specific use directions for each crop and detailed instructions on rates, diseases controlled, application timing and technique.

PRECAUTIONS:

- KEEP OUT OF REACH OF CHILDREN.
- Commercial seed treatment facilities must use closed transfer equipment only including closed mixing, loading, calibrating, and treatment equipment. No open transfer of Prosper^{EverGol} is permitted in commercial seed treatment facilities.
- Work in a well-ventilated area when handling Prosper^{EverGol} or Prosper^{EverGol} treated seed.
- Workers mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e. NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). DO NOT use leather or cloth gloves. Avoid breathing vapours.
- 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 when seed is being treated or bagged.
- Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.

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., visit CropLife Canada's website at: www.croplife.ca.

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 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.

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

TOXICOLOGICAL INFORMATION: Treat patient symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS:

Treated seed is toxic to birds and small wild mammals. 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.

Toxic to aquatic organisms. **DO NOT** discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

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. **DO NOT** leave exposed treated seed on soil surface. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

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 is shallow.

STORAGE:

To prevent contamination store this product away from food or feed. Store in cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 40 °C or go below -10 °C.

DISPOSAL:

DO NOT reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section “TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL.” When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.

FOR RECYCLABLE 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 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.

FOR RETURNABLE 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 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.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):

This container should be triple rinsed prior to its disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating.

Replace the lids on the empty containers and deliver to an approved pesticide container collection site. If no site is available make the empty container unsuitable for further use. (See Disposal Section)

CAUTION: DO NOT dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause Prosper^{EverGol} to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treatment equipment by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

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.



Prosper^{EverGol} Seed Treatment

GROUP	4	7	11	FUNGICIDES
GROUP	4			INSECTICIDE

Fungicide and Insecticide

A Fungicide and Insecticide Seed Treatment for seed and seedling protection against certain seed and soil-borne diseases and insect pests on labelled crops

All seed treated with this product must be conspicuously coloured at the time of treatment. No open transfer is permitted in commercial seed treatment facilities.

SUSPENSION

AGRICULTURAL

GUARANTEE:	Clothianidin	290 g/L
	Penflufen	10.7 g/L
	Trifloxystrobin	7.15 g/L
	Metalaxyl	7.15 g/L

Contains 1,2 benzisothiazolin-3-one at 0.05% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION NO. 30363 PEST CONTROL PRODUCTS ACT

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

PROTECT FROM FREEZING

NET CONTENTS 3.79L - 1000L, 15000L (bulk tanker)

Bayer CropScience
Suite 200, 160 Quarry Blvd. SE.
Calgary, AB T2C 3G3

For product information, call: 1-888-283-6847
In case of spills, poisoning, fire or other emergencies,
call: 1-800-334-7577 (24 hours a day)

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GENERAL INFORMATION

Section 1: The Product

Prosper^{EverGol} is a liquid fungicide and insecticide seed treatment containing clothianidin, penflufen, trifloxystrobin and metalaxyl. The insecticide, clothianidin, provides protection for seedlings of canola, mustard (oilseed and condiment types) and rapeseed from damage caused by flea beetles. Prosper^{EverGol} provides protection from flea beetle feeding up to the 4-leaf stage of labelled crops. The fungicides penflufen, trifloxystrobin, and metalaxyl provide early season control of seed-borne blackleg and seed-borne *Alternaria* spp. and provide protection from seed, seedling and soil-borne diseases caused by *Rhizoctonia solani*, *Fusarium* spp. and *Pythium* spp. on labelled crops.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

- KEEP OUT OF REACH OF CHILDREN.
- Commercial seed treatment facilities must use closed transfer equipment only including closed mixing, loading, calibrating, and treatment equipment. No open transfer of Prosper^{EverGol} is permitted in commercial seed treatment facilities.
- Work in a well-ventilated area when handling Prosper^{EverGol} or Prosper^{EverGol} treated seed.
- Workers mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e. NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). DO NOT use leather or cloth gloves. Avoid breathing vapours.
- 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 when seed is being treated or bagged.
- Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.

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., visit CropLife Canada's website at: www.croplife.ca.

Section 3: First Aid and Toxicological Information

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 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.

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

TOXICOLOGICAL INFORMATION: Treat patient symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

Section 4: Environmental Hazards

ENVIRONMENTAL HAZARDS:

Treated seed is toxic to birds and small wild mammals. 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.

Toxic to aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

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. DO NOT leave exposed treated seed on soil surface. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface.

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 is shallow.

Section 5: Storage

STORAGE: To prevent contamination store this product away from food or feed. Store in cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 40 °C or go below -10 °C.

Section 6: Disposal

DISPOSAL: DO NOT reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section “TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL.” When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

5. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
6. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
7. Make the empty container unsuitable for further use.
8. Dispose of the container in accordance with provincial requirements.

FOR RECYCLABLE 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 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.

FOR RETURNABLE 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 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.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):

This container should be triple rinsed prior to its disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating. Replace the lids on the empty containers and deliver to an approved pesticide container collection site. If no site is available make the empty container unsuitable for further use. (See Disposal Section)

CAUTION: DO NOT dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause Prosper^{EverGol} to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treatment equipment by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

Section 7: Notices

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.

DIRECTIONS FOR USE

PROSPER^{EVERGOL} is a seed treatment formulation for use in commercial seed treatment operations with conventional seed treating equipment which can accurately meter, mix and apply flowable seed treatment formulations. Uniform application to seed is necessary to ensure optimum performance. Allow seeds to dry before bagging, storing or seeding.

Section 8: Pests Controlled

Prosper^{EverGol} contains the fungicides penflufen, trifloxystrobin and metalaxyl along with the insecticide clothianidin and provides seed and seedling protection against a wide range of diseases caused by *Rhizoctonia solani*, *Fusarium* spp., *Pythium* spp., *Alternaria* spp. and *Phoma lingam*, and early season protection from damage caused by flea beetles on labelled crops.

Section 9: Recommended Uses

CROP	PESTS	APPLICATION RATE	DIRECTIONS
Canola, Rapeseed, Mustard (oilseed and condiment)	<p>Seed rot / pre-emergence damping-off and post-emergence damping-off caused by soil-borne <i>Rhizoctonia solani</i> and <i>Fusarium</i> spp.</p> <p>Seed rot / pre-emergence damping-off, post-emergence damping-off, seedling blight and early-season root rot caused by soil-borne <i>Pythium</i> spp.</p> <p>Seed-borne <i>Alternaria</i> spp.</p> <p>Seed-borne blackleg (<i>Phoma lingam</i>)</p> <p>Flea Beetles (<i>Phyllotreta</i> spp.)</p>	Apply 1.4 L per 100 kg seed.	<p>Use only in commercial treating equipment with closed transfer systems which can accurately control application rates and provide good distribution of the chemical onto the seed in the mixing chamber. No open transfer. Not for use on agricultural establishments, in hopper-box, slurry -box, or similar seed treatment application used at or immediately before planting</p> <p>Mix thoroughly before use or use entire container at one time.</p> <p>Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with Prosper^{EverGol}.</p>

Section 10: Application Cautions

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

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

SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that Prosper^{EverGol} applied to canola and rapeseed will not adversely affect germination. Due to seed quality conditions beyond the control of Bayer CropScience, 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 seeds, or seed of known low vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. If seed lot quality

is unknown, conduct a germination test 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 Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

COLOURATION OF TREATED SEED: This product contains a colorant which will adequately color the treated seed. However, users are responsible for ensuring that the treated seed has an unnatural color. If the colorant contained in the formulation does not color the seed adequately, additional colorant must be added to the mixture while treating the seed.

Regulations pertaining to coloration of treated seed enforced under the *Seeds Act* must be strictly adhered to when using this product.

Section 11: Use Limitations

USE RESTRICTIONS:

1. DO NOT use treated seed for food, feed or oil processing.
2. DO NOT use rape greens or rapeseed grown or harvested from Prosper^{EverGol} treated seed for feed or human consumption. Rapeseed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.

ROTATIONAL CROPS: Corn, canola and mustard may be replanted at any time. A one year plant-back interval is required for leafy, root and tuber vegetables (except potatoes). A 30-day plant-back interval is required for all other crops.

LABELLING TREATED SEED:

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

- This seed has been treated with Prosper^{EverGol}, which contains clothianidin, penflufen, trifloxystrobin, and metalaxyl. DO NOT use for feed, food or oil processing. Store away from feeds and other foodstuffs.
- DO NOT use rape greens harvested from Prosper^{EverGol} treated seed for feed or human consumption.
- This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of Prosper^{EverGol} in areas where soils are permeable, particularly where water table is shallow, may result in ground water contamination.
- This product is toxic to wild birds and wild mammals when used as a seed treatment. DO NOT leave exposed treated seeds on soil surface. Any spilled or exposed seeds should be incorporated into the soil or otherwise cleaned-up from soil surface.
- **ROTATIONAL CROPS:** Corn, canola and mustard may be replanted at any time. A one year plant-back interval is required for leafy, root and tuber vegetables (except potatoes). A 30-day plant-back interval is required for all other crops.
- Wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks and appropriate respiratory protection (i.e. NIOSH/MSHA/BHSE-

approved dust-filtering respirator or fresh air hood) to minimize exposure to dust when handling treated seeds.

Section 12: Resistance Management Recommendations

RESISTANCE MANAGEMENT

For resistance management, please note that Prosper^{EverGol} contains a Group 4 insecticide and Groups 4, 7, and 11 fungicides. Any insect or fungal population may contain individuals naturally resistant to Prosper^{EverGol} and other Group 4 insecticide or Groups 4, 7, and 11 fungicides. A gradual or total loss of pest control may occur over time if these insecticides and 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 insecticide and fungicide resistance:

- Where possible, rotate the use of Prosper^{EverGol} or other Group 4 insecticides and Groups 4, 7, and 11 fungicides with different groups that control the same insects or pathogens.
- Insecticide and fungicide 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 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 Bayer CropScience at 1-888-283-6847 or at www.bayercropscience.ca

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.



CARTON

GROUP	4	7	M	FUNGICIDE
GROUP		4		INSECTICIDE

PROSPER™ FL

Flowable Insecticide and Fungicide Seed Treatment

Suspension

PROSPER FL is a systemic insecticide and fungicide seed treatment for control of flea beetles on canola and rapeseed. For control of seed rot, damping off, seedling blight and early season root rot caused by *Pythium*, *Rhizoctonia*, *Fusarium* and seed borne *Alternaria* spp. on canola and rapeseed.

Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

For use in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper FL Flowable Insecticide and Fungicide Seed Treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....120 g/L
Carbathiin..... 56 g/L
Thiram.....120 g/L
Metalaxyl..... 4 g/L

REGISTRATION NO. 27564 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

Bayer CropScience Inc.
200-160 Quarry Park Blvd. SE
Calgary, Alberta T2C 3G3

NET CONTENTS: 56.8 L, 100 L, 1000 L, 15000 L (bulk tanker)

24 HOUR EMERGENCY PHONE: 1-800-334-7577

GROWER INFORMATION: 1-888-283-6847

PROTECT FROM FREEZING

PROSPER™ is a trademark of Bayer CropScience



CONTAINER

GROUP	4	7	M	FUNGICIDE
GROUP		4		INSECTICIDE

PROSPER™ FL

Flowable Insecticide and Fungicide Seed Treatment

Suspension

PROSPER FL Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment for control of flea beetles on canola and rapeseed. For control of seed rot, damping off, seedling blight and early season root rot caused by *Pythium*, *Rhizoctonia*, *Fusarium* and seed borne *Alternaria* spp. on canola and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only. For use in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper FL Flowable Insecticide and Fungicide Seed Treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....120 g/L
 Carbothiin..... 56 g/L
 Thiram.....120 g/L
 Metalaxyl..... 4 g/L

REGISTRATION NO. 27564 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

Bayer CropScience Inc.
 200-160 Quarry Park BLVD. SE
 Calgary, Alberta T2C 3G3

NET CONTENTS: 56.8 L, 100 L, 1000 L, 15000 L (bulk tanker)

24 HOUR EMERGENCY PHONE: 1-800-334-7577

GROWER INFORMATION: 1-888-283-6847

PROTECT FROM FREEZING

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT get into eyes. May irritate eyes.

Work in a well-ventilated area when handling PROSPER FL Flowable Insecticide and Fungicide Seed Treatment or PROSPER FL Flowable Insecticide and Fungicide Seed Treatment-treated seed. All workers involved in mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). DO NOT use leather or cloth gloves. Avoid breathing vapours.

Alcoholic beverages should be avoided for 24 hours before and after working with PROSPER FL insecticide-fungicide or treated seed, because of possible unpleasant side effects.

Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.

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., visit CropLife Canada's website at: www.croplife.ca.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface. 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. Toxic to bees. Bees can be exposed to product residues in flowers, leaves, pollen and/or nectar resulting from seed treatments. 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. 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: Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. DO NOT store PROSPER FL insecticide-fungicide in direct sunlight. DO NOT store PROSPER FL insecticide-fungicide above 35°C. Storage of PROSPER FL insecticide-fungicide at low temperatures is not recommended.

DISPOSAL: DO NOT reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section “TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL”

When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 RECYCLABLE 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 spray mixture in the tank.
- 2) Make the empty container unsuitable for further use.

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

FOR RETURNABLE 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 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.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):

This container should be triple rinsed prior to its disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating. Replace the lids on the empty containers and deliver to an approved pesticide container collection site. If no site is available make the empty container unsuitable for further use. (See Disposal Section)

CAUTION: DO NOT dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause PROSPER FL insecticide-fungicide to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treater by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

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 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.

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.

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

TOXICOLOGICAL INFORMATION:

There is no specific antidote. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat patient symptomatically. If reaction with alcohol occurs treat as disulfiram-alcohol reaction.

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.

PROSPER™ is a trademark of Bayer CropScience.



GROUP	4	7	M	FUNGICIDE
GROUP	4			INSECTICIDE

PROSPER™ FL

Flowable Insecticide and Fungicide Seed Treatment

Suspension

PROSPER FL Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment for control of flea beetles on canola and rapeseed. For control of seed rot, damping off, seedling blight and early season root rot caused by *Pythium*, *Rhizoctonia*, *Fusarium* and seed borne *Alternaria* spp. on canola and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only. For use in commercial seed treatment facilities with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper FL Flowable Insecticide and Fungicide Seed Treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....120 g/L
 Carbathiin..... 56 g/L
 Thiram.....120 g/L
 Metalaxyl..... 4 g/L

REGISTRATION NO. 27564 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

Bayer CropScience Inc.
 200-160 Quarry Park Blvd. SE
 Calgary, Alberta T2C 3G3

NET CONTENTS: 56.8 L, 100 L, 1000 L, 15000 L (bulk tanker)

24 HOUR EMERGENCY PHONE: 1-800-334-7577

GROWER INFORMATION: 1-888-283-6847

PROTECT FROM FREEZING

GENERAL INFORMATION:

PROSPER FL Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment. The insecticide, clothianidin, is for control of flea beetles on canola (including *Brassica napus* and *Brassica rapa*) and rapeseed seed and seedlings.

PROSPER FL Flowable Insecticide and Fungicide Seed Treatment contains the fungicides Carbathiin, Thiram, and Metalaxyl. These fungicides control the seedling disease complex (seed rot, damping off, seedling blight, and early season root rot) caused by *Pythium*, *Rhizoctonia*, *Fusarium*, and seed borne *Alternaria* spp. on canola (including *Brassica napus* and *Brassica rapa*) and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

DIRECTIONS FOR USE:

For use in commercial seed treatment facilities with closed transfer systems only. No open transfer. Not for use on agricultural establishments, in hopper-box, slurry -box, or similar seed treatment application used at or immediately before planting. This product is to be used in commercial liquid or slurry type treaters. Mix thoroughly before use or use entire container at one time.

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

ROTATIONAL CROP RESTRICTIONS: Corn and canola may be replanted at any time. A one year plant back interval is required for leafy, root and tuber vegetables. A 30-day plant back on cereal grains, grasses, nongrass animal feeds, and soybean and dried beans is required.

APPLICATION OF PROSPER FL FLOWABLE INSECTICIDE AND FUNGICIDE SEED TREATMENT FOR CANOLA AND RAPESEED:

PROSPER FL Flowable Insecticide and Fungicide Seed Treatment can be applied at 1250 or 1667 mL per 100 kg seed. The lower rate can be used under low to moderate flea beetle pressure. For a higher level of control under moderate flea beetle pressure, use the rate of 1667 mL per 100 kg seed. Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with PROSPER FL Flowable Insecticide and Fungicide Seed Treatment.

Prosper FL Application Rate per 100 kg seed	Clothianidin applied
1250 mL	150 g
1667 mL	200 g

TANK MIX INSTRUCTIONS FOR PROSPER FL FLOWABLE INSECTICIDE AND FUNGICIDE SEED TREATMENT WITH PONCHO 600 FS Seed Treatment Insecticide (for canola only):

To obtain the high rate of insecticide (400 g ai /100 kg seed) for longer season control of flea beetles, and for areas where flea beetle populations are often high, PROSPER FL Flowable Insecticide and Fungicide Seed Treatment can be tank mixed with PONCHO 600 FS insecticide according to the direction in the table below. Do not make any subsequent application of a Group 4 Insecticide (i.e., in-furrow or foliar application) following treatment with the tank mix of PROSPER FL Flowable Insecticide and Fungicide Seed Treatment and PONCHO 600 FS Seed Treatment Insecticide.

Canola seed	PROSPER-FL Flowable Insecticide and Fungicide Seed Treatment	Poncho 600 FS Seed Treatment Insecticide
100 kg	1250 mL	417 mL

When tank mixing, use closed transfer systems only. No open transfer.

When adding rinsate from triple rinsing the container for disposal, be sure to re-calibrate seed treater by adjusting the application volume up by 6%. Please refer to Triple Rinsing Instructions for rinsate instructions.

When tank mixing PROSPER FL Flowable Insecticide and Fungicide Seed Treatment and PONCHO 600 FS Seed Treatment Insecticide, either product can be added first. If adding rinsate water, add after PROSPER FL Flowable Insecticide and Fungicide Seed Treatment and PONCHO 600 FS Seed Treatment Insecticide are mixed. PROSPER FL Flowable Insecticide and Fungicide Seed Treatment and PONCHO 600 FS Seed Treatment Insecticide are also compatible in overtreating systems where products are applied sequentially either in continuous flow or batch treaters. Prior to and during application, PROSPER FL Flowable Insecticide and Fungicide Seed Treatment must be THOROUGHLY AGITATED to ensure uniform mixing of the product. Due to the viscosity of the material, it should be kept above 10° C prior to and during application. DO NOT apply direct heat to product container.

CAUTION: DO NOT dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause PROSPER FL Flowable Insecticide and Fungicide Seed Treatment to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treater by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that PROSPER FL Flowable Insecticide and Fungicide Seed Treatment applied to canola seed will not adversely affect germination.

Due to seed quality conditions beyond the control of Bayer CropScience, 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 Bayer, no claims are made to guarantee germination of carry-over seed.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that PROSPER FL Flowable Insecticide and Fungicide Seed Treatment contains a Group 4 insecticide and Groups 4, 7, and M fungicides. Any insect or fungal population may contain individuals naturally resistant to PROSPER FL Flowable Insecticide and Fungicide Seed Treatment and other Group 4 insecticides or Groups 4, 7, and M fungicides. A gradual or total loss of pest control may occur over time if these insecticides and 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 insecticide and fungicide resistance:

- Where possible, rotate the use of PROSPER FL Flowable Insecticide and Fungicide Seed Treatment or other Group 4 insecticides and Groups 4, 7, and M fungicides with different groups that control the same insects or pathogens.
- Insecticide and fungicide 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 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 Bayer CropScience at 1-888-283-6847.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT get into eyes. May irritate eye.

Work in a well-ventilated area when handling PROSPER FL Flowable Insecticide and Fungicide Seed Treatment or PROSPER FL Flowable Insecticide and Fungicide Seed Treatment-treated seed. All workers involved in mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). DO NOT use leather or cloth gloves. Avoid breathing vapours.

Alcoholic beverages should be avoided for 24 hours before and after working with PROSPER FL insecticide-fungicide or treated seed, because of possible unpleasant side effects.

Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.

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., visit CropLife Canada's website at: www.croplife.ca.

USE RESTRICTIONS:

1. DO NOT use treated seed for food, feed or oil processing.
2. DO NOT use rape greens and seed grown or harvested from PROSPER FL Flowable Insecticide and Fungicide Seed Treatment treated seed for feed or human consumption. Rapeseed grown and harvested from PROSPER FL Flowable Insecticide and Fungicide Seed Treatment treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.
3. DO NOT contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.

LABELLING TREATED SEED:

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

- This seed has been treated with PROSPER FL Flowable Insecticide and Fungicide Seed Treatment seed protectant, which contains clothianidin, carbathiin, thiram, and metalaxyl. DO NOT use for feed, food or oil processing. Store away from feeds and other foodstuffs.
- DO NOT use rape greens and seed grown or harvested from PROSPER FL Flowable Insecticide and Fungicide Seed Treatment treated seed for feed or human consumption.
- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of PROSPER FL Flowable Insecticide and Fungicide Seed Treatment in areas where soils are permeable, particularly where water table is shallow, may result in ground water contamination.
- This product is toxic to wild birds and wild mammals when used as a seed treatment. DO NOT leave exposed treated seeds on soil surface. Any spilled or exposed seeds should be incorporated into the soil or otherwise cleaned-up from soil surface.
- Rotational crop restrictions: Corn and canola may be replanted at any time. A one year plant back interval is required for leafy, root and tuber vegetables. A 30-day plant back on cereal grains, grasses, non-grass animal feeds, and soybean and dried beans is required.
- When handling treated seed, wear long-sleeved shirt, long pants, shoes and socks and chemical-resistant gloves and a dust mask or appropriate respirator to minimize exposure to dust from treated seeds.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned-up from the soil surface. 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. Toxic to bees. Bees can be exposed to product residues in flowers, leaves, pollen and/or nectar resulting from seed treatments.

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.

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 AND DISPOSAL

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. DO NOT store PROSPER FL Flowable Insecticide and Fungicide Seed Treatment in direct sunlight. DO NOT store PROSPER FL Flowable Insecticide and Fungicide Seed Treatment above 35°C. Storage of PROSPER FL Flowable Insecticide and Fungicide Seed Treatment at low temperatures is not recommended.

DISPOSAL:

DO NOT reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section “TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL”

When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 RECYCLABLE 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 spray mixture in the tank.
- 2) Make the empty container unsuitable for further use.

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

FOR RETURNABLE 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 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.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):

This container should be triple rinsed prior to its disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating. Replace the lids on the empty containers and deliver to an approved pesticide container collection site. If no site is available make the empty container unsuitable for further use. (See Disposal Section)

CAUTION: DO NOT dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause PROSPER FL Flowable Insecticide and Fungicide Seed Treatment to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treater by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

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 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.

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.

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

TOXICOLOGICAL INFORMATION:

There is no specific antidote. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat patient symptomatically. If reaction with alcohol occurs treat as disulfiram-alcohol reaction.

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.

PROSPER™ and PONCHO™ are trademarks of Bayer CropScience.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.



GROUP	4	7	11	FUNGICIDE
GROUP		4		INSECTICIDE

PROSPER™ FX

Flowable Insecticide and Fungicide Seed Treatment

Suspension

PROSPER FX Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment for control of flea beetles, as well as seed rot and damping off (pre-emergence and post emergence) caused by *Pythium spp.*, *Rhizoctonia solani*, *Fusarium spp.* and seed borne *Alternaria spp.*; seedling blight caused by *Pythium spp.*, *Rhizoctonia solani* and *Fusarium spp.*; and early season root rot caused by *Pythium spp.* on canola, mustard (condiment and oilseed types) and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

For use in commercial seed treatment with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper FX Flowable Insecticide and Fungicide Seed Treatment. All seed treated with this product must be conspicuously coloured at the time of treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....285.7 g/L
Carbathiin..... 50 g/L
Trifloxystrobin.....7.14 g/L
Metalaxyl.....5.36 g/L

REGISTRATION NO. 29159 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

PROTECT FROM FREEZING

NET CONTENTS 56.8 L, 100 L, 1000 L, 15000 L (bulk tanker)

Bayer CropScience
200-160 Quarry Park Blvd. SE
Calgary, AB T2C 3G3

For product information, call: 1-800-283-6847

In case of spills, poisoning, fire or other emergencies, call: 1-800-334-7577 (24 hours a day)

PROSPER™ is a trademark of Bayer CropScience

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Work in a well-ventilated area when handling PROSPER FX Flowable Insecticide and Fungicide Seed Treatment or PROSPER FX Flowable Insecticide and Fungicide Seed Treatment-treated seed.

Workers mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood).

DO NOT use leather or cloth gloves. Avoid breathing vapours.

Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or 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 when seed is being treated or bagged.

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., visit CropLife Canada's website at: www.croplife.ca.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. 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.

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.

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.

FIRST AID:

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. 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 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 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.

TOXICOLOGICAL INFORMATION:

There is no specific antidote. Treat patient symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

STORAGE AND DISPOSAL:

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store PROSPER FX Flowable Insecticide and Fungicide Seed Treatment in direct sunlight. Do not store PROSPER FX above 35°C. Storage of PROSPER FX Flowable Insecticide and Fungicide Seed Treatment at low temperatures is not recommended.

DISPOSAL:

Do not reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section "TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL"

When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 RECYCLABLE 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 spray mixture in the tank.
- 2) Make the empty container unsuitable for further use.

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

FOR RETURNABLE 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 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.

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.



GROUP	4	7	11	FUNGICIDE
GROUP	4			INSECTICIDE

PROSPER™ FX

Flowable Insecticide and Fungicide Seed Treatment

Suspension

PROSPER FX Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment for control of flea beetles, as well as seed rot and damping off (pre-emergence and post emergence) caused by *Pythium spp.*, *Rhizoctonia solani*, *Fusarium spp.* and seed borne *Alternaria spp.*; seedling blight caused by *Pythium spp.*, *Rhizoctonia solani* and *Fusarium spp.*; and early season root rot caused by *Pythium spp.* on canola, mustard (condiment and oilseed types) and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

For use in commercial seed treatment with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper FX Flowable Insecticide and Fungicide Seed Treatment. All seed treated with this product must be conspicuously coloured at the time of treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....285.7 g/L
Carbathiin..... 50 g/L
Trifloxystrobin.....7.14 g/L
Metalaxyl.....5.36 g/L

REGISTRATION NO. 29159 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

PROTECT FROM FREEZING

NET CONTENTS 56.8 L, 100 L, 1000 L, 15000 L (bulk tanker)

Bayer CropScience
200-160 Quarry Park Blvd. SE
Calgary, AB T2C 3G3

For product information, call: 1-800-283-6847
In case of spills, poisoning, fire or other emergencies, call: 1-800-334-7577 (24 hours a day)

PROSPER™ is a trademark of Bayer CropScience

GENERAL INFORMATION:

PROSPER FX Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment. The insecticide component, clothianidin, controls flea beetles on seed and seedlings of canola (including *Brassica napus* and *Brassica rapa*), mustard (condiment and oilseed types) and rapeseed. PROSPER

FX Flowable Insecticide and Fungicide Seed Treatment provides protection from flea beetle feeding up to the 4 leaf stage of canola, mustard (condiment and oilseed types) and rapeseed. PROSPER

FX Flowable Insecticide and Fungicide Seed Treatment contains the fungicides carbathiin, trifloxystrobin, and metalaxyl. These fungicides control seed rot and damping off (pre-emergence and post emergence) caused by *Pythium spp.*, *Rhizoctonia solani*, *Fusarium spp.* and seed borne *Alternaria spp.*; seedling blight caused by *Pythium spp.*, *Rhizoctonia solani* and *Fusarium spp.*; and early season root rot caused by *Pythium spp.* on canola (including *Brassica napus* and *Brassica rapa*), mustard (condiment and oilseed types) and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

DIRECTIONS FOR USE:

PROSPER FX Flowable Insecticide and Fungicide Seed Treatment is for use in commercial seed treatment facilities with closed transfer systems including closed mixing, loading, calibrating, and losted treatment equipment only. No open transfer of PROPER FX Flowable Insecticide and Fungicide Seed Treatment.

Not for use on agricultural establishments, in hopper-box, slurry -box, or similar seed treatment application used at or immediately before planting. This product is to be used in commercial liquid or slurry type treaters. Mix thoroughly before use or use entire container at one time.

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.

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

APPLICATION OF PROSPER FX FLOWABLE INSECTICIDE AND FUNGICIDE SEED TREATMENT FOR CANOLA , MUSTARD (CONDIMENT AND OILSEED TYPES) AND RAPESEED:

PROSPER FX Flowable Insecticide and Fungicide Seed Treatment can be applied at 1400 mL per 100 kg seed for use under moderate to high flea beetle pressure and when longer season control of flea beetles is required.

NOTE: Do not make any subsequent application of a group 4 insecticide (i.e. in-furrow or foliar application following treatment with Prosper FX Flowable Insecticide and Fungicide Seed Treatment). When adding rinsate from triple rinsing the container for disposal, be sure to re-calibrate seed treater by adjusting the application volume up by 6%. Please refer to Triple Rinsing Instructions for rinsate instructions.

USE RESTRICTIONS:

1. Do not use treated seed for food, feed or oil processing.
2. Do not use rape and mustard greens or rapeseed grown or harvested from seed treated with PROSPER FX Flowable Insecticide and Fungicide Seed Treatment for feed or human consumption. Rapeseed grown and harvested from PROSPER FX-treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.
3. Do not graze or feed livestock on seeded areas for four weeks after planting.
4. DO NOT contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.

ROTATIONAL CROP RESTRICTIONS:

Corn and canola may be replanted at any time. A one year plant back interval is required for leafy, root and tuber vegetables. A 30-day plant back on cereal grains, grasses, non-grass animal feeds, and soybean and dried beans is required.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that PROSPER FX Flowable Insecticide and Fungicide Seed Treatment contains a Group 4 insecticide and Groups 4, 7, and 11 fungicides. Any insect or fungal population may contain individuals naturally resistant to PROSPER FX Flowable Insecticide and Fungicide Seed Treatment and other Group 4 insecticide or Groups 4, 7, and 11 fungicides. A gradual or total loss of pest control may occur over time if these insecticides and 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 insecticide and fungicide resistance:

- Where possible, rotate the use of PROSPER FX Flowable Insecticide and Fungicide Seed Treatment or other Group 4 insecticides and Groups 4, 7, and 11 fungicides with different groups that control the same insects or pathogens.
- PROSPER FX Flowable Insecticide and Fungicide Seed Treatment 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 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 Bayer CropScience at 1-800-283-6847 or at www.bayercropscience.com.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Work in a well-ventilated area when handling PROSPER FX Flowable Insecticide and Fungicide Seed Treatment or PROSPER FX Flowable Insecticide and Fungicide Seed Treatment-treated seed.

Workers mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood).

DO NOT use leather or cloth gloves. Avoid breathing vapours.

Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or 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 when seed is being treated or bagged.

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., visit [CropLife Canada's website at: www.croplife.ca](http://www.croplife.ca).

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. 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.

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.

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.

FIRST AID:

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. 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 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 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.

TOXICOLOGICAL INFORMATION:

There is no specific antidote. Treat patient symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

LABELLING TREATED SEED:

All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows:

- Wear coveralls over long sleeved shirt, long pants, chemical resistant gloves, head gear, shoes and socks and appropriate respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood) to minimize exposure to dust, when handling treated seeds. DO NOT use leather or cloth gloves. Avoid breathing vapours.
- This seed has been treated with PROSPER FX Flowable Insecticide and Fungicide Seed Treatment, which contains clothianidin, carbathiin, trifloxystrobin, and metalaxyl.
- Do not use for feed, food or oil processing. Store away from feeds and other foodstuffs.
- Do not use rape greens harvested from PROSPER FX-treated seed for feed or human consumption.
- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of PROSPER FX Flowable Insecticide and Fungicide Seed Treatment in areas where soils are permeable, particularly where water table is shallow, may result in ground water contamination.
- This product is toxic to wild birds and wild mammals when used as a seed treatment. Do not leave exposed treated seeds on soil surface. Any spilled or exposed seeds MUST be incorporated into the soil or otherwise cleaned-up from soil surface.
- ROTATIONAL CROP RESTRICTIONS: Corn and canola may be replanted at any time. A one year plant back interval is required for leafy, root and tuber vegetables. A 30-day plant back on cereal grains, grasses, nongrass animal feeds, and soybean and dried beans is required.

SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that PROSPER FX Flowable Insecticide and Fungicide Seed Treatment applied to canola, mustard (condiment and oilseed types) and rapeseed will not adversely affect germination. Due to seed quality conditions beyond the control of Bayer CropScience, 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 vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. If seed lot quality is unknown, conduct a germination test 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 Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

STORAGE AND DISPOSAL:

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store PROSPER FX Flowable Insecticide and Fungicide Seed Treatment in direct sunlight. Do not store PROSPER FX above 35°C. Storage of PROSPER FX Flowable Insecticide and Fungicide Seed Treatment at low temperatures is not recommended.

DISPOSAL:

Do not reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section "TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL"

When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

5. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
6. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
7. Make the empty container unsuitable for further use.
8. Dispose of the container in accordance with provincial requirements.
9. 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 RECYCLABLE 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 spray mixture in the tank.
- 2) Make the empty container unsuitable for further use.

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

FOR RETURNABLE 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 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.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY):

This container should be triple rinsed prior to its disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating. Replace the lids on the empty containers and deliver to an approved pesticide container collection site. If no site is available make the empty container unsuitable for further use. (See Disposal Section)

Caution: Do not dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause PROSPER FX Flowable Insecticide and Fungicide Seed Treatment to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treater by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

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.

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2010-5691
03-June-2011



GROUP	4	7	11	FUNGICIDE
GROUP	4			INSECTICIDE

PROSPER™ T 200

Flowable Insecticide and Fungicide Seed Treatment

PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment for control of flea beetles, as well as seed rot and damping off (pre-emergence and post emergence) caused by *Pythium spp.*, *Rhizoctonia solani*, *Fusarium spp.* and seed borne *Alternaria spp.*; seedling blight caused by *Pythium spp.*, *Rhizoctonia solani* and *Fusarium spp.*; and early season root rot caused by *Pythium spp.* on canola and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

For use in commercial seed treatment with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper T200 Flowable Insecticide and Fungicide Seed Treatment. All seed treated with this product must be conspicuously coloured at the time of treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....142.8 g/L
Carbathiin..... 50 g/L
Trifloxystrobin.....7.14 g/L
Metalaxyl.....5.36 g/L

REGISTRATION NO. 29158 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

PROTECT FROM FREEZING

NET CONTENTS: 20 L to 1500 L

Bayer CropScience
200-160 Quarry Park Blvd. SE
Calgary, AB T2C 3G3

For product information, call: 1-800-283-6847

In case of spills, poisoning, fire or other emergencies, call:
1-800-334-7577 (24 hours a day)

PROSPER™ is a trademark of Bayer CropScience

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Work in a well-ventilated area when handling PROSPER T200 Flowable Insecticide and Fungicide Seed Treatment or PROSPER T200 Flowable Insecticide and Fungicide Seed Treatment-treated seed.

Workers mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). DO NOT use leather or cloth gloves. Avoid breathing vapours.

Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking.

No food, drink or tobacco should be allowed in areas of chemical storage or 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 when seed is being treated or bagged.

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., visit CropLife Canada's website at: www.croplife.ca.

USE RESTRICTIONS:

1. Do not use treated seed for food, feed or oil processing.
2. Do not use rape greens or rapeseed grown or harvested from seed treated with PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment for feed or human consumption. Rapeseed grown and harvested from PROSPER T 200-treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.
3. Do not graze or feed livestock on seeded areas for four weeks after planting.
4. DO NOT contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.
5. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows:
“This seed has been treated with carbathiin. Wear a long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seeds. DO NOT use for food, feed or oil processing. Store away from food and feed.”

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. 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.

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.

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.

FIRST AID:

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. 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 ON SKIN/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 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.

TOXICOLOGICAL INFORMATION:

There is no specific antidote. Treat patient symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment applied to canola and rapeseed will not adversely affect germination. Due to seed quality conditions beyond the control of Bayer CropScience, 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 vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. If seed lot quality is unknown, conduct a germination test 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 Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

STORAGE AND DISPOSAL:

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment in direct sunlight. DO NOT store PROSPER T 200 Flowable Insecticide and

Fungicide Seed Treatment above 35°C. Storage of PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment at low temperatures is not recommended.

DISPOSAL:

Do not reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section “TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL”

When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 RECYCLABLE 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 spray mixture in the tank.
- 2) Make the empty container unsuitable for further use.

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

FOR RETURNABLE 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 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.

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.



GROUP	4	7	11	FUNGICIDE
GROUP	4			INSECTICIDE

PROSPER™ T 200

Flowable Insecticide and Fungicide Seed Treatment

PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment for control of flea beetles, as well as seed rot and damping off (pre-emergence and post emergence) caused by *Pythium spp.*, *Rhizoctonia solani*, *Fusarium spp.* and seed borne *Alternaria spp.*; seedling blight caused by *Pythium spp.*, *Rhizoctonia solani* and *Fusarium spp.*; and early season root rot caused by *Pythium spp.* on canola and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

For use in commercial seed treatment with closed transfer including closed mixing, loading, calibrating, and closed treatment equipment only. No open transfer of Prosper T200 Flowable Insecticide and Fungicide Seed Treatment. All seed treated with this product must be conspicuously coloured at the time of treatment.

AGRICULTURAL

GUARANTEE:

Clothianidin.....142.8 g/L
 Carbathiin..... 50 g/L
 Trifloxystrobin.....7.14 g/L
 Metalaxyl.....5.36 g/L

REGISTRATION NO. 29158 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

PROTECT FROM FREEZING

NET CONTENTS: 20 L to 1500 L

Bayer CropScience
 200-160 Quarry Park Blvd S.E.
 Calgary, AB T2C 3G3

For product information, call: 1-800-283-6847

In case of spills, poisoning, fire or other emergencies, call:
 1-800-334-7577 (24 hours a day)

PROSPER™ is a trademark of Bayer CropScience

GENERAL INFORMATION:

PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment is a systemic insecticide and fungicide seed treatment. The insecticide component, clothianidin, controls flea beetles on seed and seedlings of canola (including *Brassica napus* and *Brassica rapa*) and rapeseed. Prosper T 200 Flowable Insecticide and Fungicide Seed Treatment provides protection from flea beetle feeding up to the 2 leaf stage of canola and rapeseed. PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment contains the fungicides carbathiin, trifloxystrobin, and metalaxyl. These fungicides control seed rot and damping off (pre-emergence and post emergence) caused by *Pythium spp.*, *Rhizoctonia solani*, *Fusarium spp.* and seed borne *Alternaria spp.*; seedling blight caused by *Pythium spp.*, *Rhizoctonia solani* and *Fusarium spp.*; and early season root rot caused by *Pythium spp.* on canola (including *Brassica napus* and *Brassica rapa*) and rapeseed. Also controls seed borne blackleg. For protection of seeds and emerging seedlings only.

DIRECTIONS FOR USE:

PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment is for use in commercial seed treatment facilities with closed transfer systems only. No open transfer. Not for use on agricultural establishments, in hopper-box, slurry -box, or similar seed treatment application used at or immediately before planting. This product is to be used in commercial liquid or slurry type treaters. Mix thoroughly before use or use entire container at one time.

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

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

APPLICATION OF PROSPER T 200 FLOWABLE INSECTICIDE AND FUNGICIDE SEED TREATMENT FOR CANOLA AND RAPESEED:

PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment can be applied at 1400 mL per 100 kg seed for use under low to moderate flea beetle pressure.

Note: Do not make any subsequent application of a group 4 insecticide (i.e. in-furrow or foliar application) following treatment with Prosper FX Flowable Insecticide and Fungicide Seed Treatment. When adding rinsate from triple rinsing the container for disposal, be sure to re-calibrate seed treater by adjusting the application volume up by 6%. Please refer to Triple Rinsing Instructions for rinsate instructions.

USE RESTRICTIONS:

1. Do not use treated seed for food, feed or oil processing.
2. Do not use rape greens or rapeseed grown or harvested from seed treated with PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment for feed or human consumption. Rapeseed grown and harvested from PROSPER T 200-treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.

3. Do not graze or feed livestock on seeded areas for four weeks after planting.
4. DO NOT contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.
5. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: “This seed has been treated with carbathiin. Wear a long-sleeved shirt, long pants and chemical resistant gloves when handling treated seeds. DO NOT use for food, feed or oil processing. Store away from food and feed.”

ROTATIONAL CROP RESTRICTIONS:

Corn and canola may be replanted at any time. A one year plant back interval is required for leafy, root and tuber vegetables. A 30-day plant back on cereal grains, grasses, non-grass animal feeds, and soybean and dried beans is required.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment contains a Group 4 insecticide and Groups 4, 7, and 11 fungicides. Any insect or fungal population may contain individuals naturally resistant to PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment and other Group 4 insecticide or Groups 4, 7, and 11 fungicides. A gradual or total loss of pest control may occur over time if these insecticides and 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 insecticide and fungicide resistance:

- Where possible, rotate the use of PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment or other Group 4 insecticides and Groups 4, 7, and 11 fungicides with different groups that control the same insects or pathogens.
- PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment 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 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 Bayer CropScience at 1-800-283-6847 or at www.bayercropscience.com.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Work in a well-ventilated area when handling PROSPER T200 Flowable Insecticide and Fungicide Seed Treatment or PROSPER T200 Flowable Insecticide and Fungicide Seed Treatment-treated seed.

Workers mixing, loading, treating, cleaning-up, or maintaining and repairing seed treatment equipment, bagging, sewing, stacking, involved in handling treated seed, or when transferring

seed to a storage bin, must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, head gear, shoes and socks, and respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). DO NOT use leather or cloth gloves. Avoid breathing vapours.

Use good personal hygiene, washing hands and exposed skin with warm water and soap before eating, drinking or smoking.

No food, drink or tobacco should be allowed in areas of chemical storage or 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 when seed is being treated or bagged.

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., visit CropLife Canada's website at: www.croplife.ca.

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms.

Treated seed is toxic to birds and small wild mammals. 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.

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.

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.

FIRST AID:

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. 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 ON SKIN/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 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.

TOXICOLOGICAL INFORMATION:

There is no specific antidote. Treat patient symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

LABELLING TREATED SEED:

All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows:

- Wear coveralls over long sleeved shirt, long pants, chemical resistant gloves, head gear, shoes and socks and appropriate respiratory protection (i.e., NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood) to minimize exposure to dust, when handling treated seeds. DO NOT use leather or cloth gloves. Avoid breathing vapours.
- This seed has been treated with PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment, which contains clothianidin, carbathiin, trifloxystrobin, and metalaxyl. Do not use for feed, food or oil processing. Store away from food and feed.
- Do not use rape greens harvested from seed treated with PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment for feed or human consumption.
- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment in areas where soils are permeable, particularly where water table is shallow, may result in ground water contamination.
- This product is toxic to wild birds and wild mammals when used as a seed treatment. Do not leave exposed treated seeds on soil surface. Any spilled or exposed seeds should be incorporated into the soil or otherwise cleaned-up from soil surface.
- ROTATIONAL CROP RESTRICTIONS: Corn and canola may be replanted at any time. A one year plant back interval is required for leafy, root and tuber vegetables. A 30-day plant back on cereal grains, grasses, non-grass animal feeds, and soybean and dried beans is required.

SEED QUALITY AND STORAGE OF TREATED SEED

Laboratory and field studies have shown that PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment applied to canola and rapeseed will not adversely affect germination. Due to seed quality conditions beyond the control of Bayer CropScience, 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 vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. If seed lot quality is unknown, conduct a germination test 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 Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

STORAGE AND DISPOSAL:

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment in direct sunlight. DO NOT store PROSPER T 200 Flowable Insecticide and

Fungicide Seed Treatment above 35°C. Storage of PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment at low temperatures is not recommended.

DISPOSAL:

Do not reuse this container for any purpose. Before disposing of the container it should be triple rinsed. See section “TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL”

When triple rinsing, use closed transfer systems only. No open transfer.

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 NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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 RECYCLABLE 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 spray mixture in the tank.
- 2) Make the empty container unsuitable for further use.

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

FOR RETURNABLE 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 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.

TRIPLE RINSING INSTRUCTIONS FOR CONTAINER DISPOSAL (for recyclable and disposable containers only):

This container should be triple rinsed prior to its disposal. The rinsate can be added to the seed treatment provided the total volume of water does not exceed 6% of the container volume. Use 2% of the container size 3 times to triple rinse. Add the appropriate volume of rinse water to the container and swish the contents thoroughly. Empty the rinsate into the seed treater holding tank

and repeat this process two more times making sure the total volume of rinsate does not exceed 6% of the container size. Make sure rinsate is thoroughly mixed with seed treatment before treating.

Replace the lids on the empty containers and deliver to an approved pesticide container collection site. If no site is available make the empty container unsuitable for further use. (See Disposal Section)

Caution: Do not dilute beyond 6% or excess seed wetness may result in seed handling difficulties. Using excess water can also cause PROSPER T 200 Flowable Insecticide and Fungicide Seed Treatment to thin resulting in settling of solids in the product. Be sure to re-calibrate seed treater by adjusting the application volume up by 6% to compensate for the dilution of the product caused by the addition of rinsate.

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.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.



GROUP	7	FUNGICIDE
GROUP	4	INSECTICIDE

EMESTO QUANTUM FUNGICIDE AND INSECTICIDE

FOR SEED-PIECE TREATMENT ON POTATOES

All seed pieces treated with this product must be conspicuously coloured at the time of treatment.

SUSPENSION

COMMERCIAL

GUARANTEE: Penflufen 66.5 g/L
Clothianidin 207 g/L

Contains 1,2-benzisothiazolin-3-one at 0.1% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION NO. 30362 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

PROTECT FROM FREEZING

NET CONTENTS: 1 L - 200 L

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. SE
Calgary, AB T2C 3G3
Product Information: 1-888-283-6847
www.bayercropscience.ca

In case of spills, poisoning, or fire, telephone emergency response number 1-800-334-7577
(24 HOURS A DAY)

EMESTO QUANTUM is a fungicide and insecticide for use on potato seed pieces to control certain diseases and insects. EMESTO QUANTUM is active on seed-borne *Rhizoctonia solani* (black scurf and stem and stolon canker), *Helminthosporium solani* (silver scurf), Colorado potato beetle, aphids, potato flea beetles and leafhoppers.

DIRECTIONS FOR USE:

Refer to the attached booklet for specific use directions for each crop and detailed instructions on rates, diseases controlled, application timing and technique.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Workers mixing, loading, sorting/cutting, treating, cleaning-up, maintaining and repairing seed piece treatment equipment must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, headgear, socks and shoes, and respiratory protection (i.e. NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). Planters, while driving closed-cab equipment, are not required to wear a respirator.

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 CropLife Canada's web site at: www.croplife.ca.

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 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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically. Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1-800-334-7577.

ENVIRONMENTAL HAZARDS:

Treated seed is toxic to birds and small wild mammals. 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.

Toxic to aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

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 is shallow.

STORAGE:

To prevent contamination store this product away from food or feed. Store in a cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 40°C or go below -10°C.

DISPOSAL:

Recyclable Container Disposal:

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.

Disposal of Unused, Unwanted Product:

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 cleanup of spills.

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.



GROUP	7	FUNGICIDE
GROUP	4	INSECTICIDE

EMESTO QUANTUM
FUNGICIDE AND INSECTICIDE

FOR SEED-PIECE TREATMENT ON POTATOES

All seed pieces treated with this product must be conspicuously coloured at the time of treatment.

SUSPENSION

COMMERCIAL

GUARANTEE: Penflufen 66.5 g/L
Clothianidin 207 g/L

Contains 1,2-benzisothiazolin-3-one at 0.1% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION NO. 30362 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

PROTECT FROM FREEZING

NET CONTENTS: 1 L - 200 L

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. SE
Calgary, AB T2C 3G3
Product Information: 1-888-283-6847
www.bayercropscience.ca

In case of spills, poisoning, or fire, telephone emergency response number 1-800-334-7577
(24 HOURS A DAY)

EMESTO QUANTUM

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GENERAL INFORMATION

SECTION 1: THE PRODUCT

EMESTO QUANTUM is a fungicide and insecticide for use on potato seed pieces to control certain diseases and insects. EMESTO QUANTUM is active on seed-borne *Rhizoctonia solani* (black scurf and stem and stolon canker), *Helminthosporium solani* (silver scurf), Colorado potato beetle, aphids, potato flea beetles and leafhoppers.

SAFETY AND HANDLING

SECTION 2: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Workers mixing, loading, sorting/cutting, treating, cleaning-up, maintaining and repairing seed piece treatment equipment must wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, headgear, socks and shoes, and respiratory protection (i.e. NIOSH/MSHA/BHSE-approved dust-filtering respirator or fresh air hood). Planters, while driving closed-cab equipment, are not required to wear a respirator.

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 CropLife Canada's web site at: www.croplife.ca.

SECTION 3: FIRST AID AND TOXICOLOGICAL INFORMATION

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 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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically. Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1-800-334-7577.

SECTION 4: ENVIRONMENTAL HAZARDS

ENVIRONMENTAL HAZARDS:

Treated seed is toxic to birds and small wild mammals. 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.

Toxic to aquatic organisms. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

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 is shallow.

SECTION 5: STORAGE

STORAGE: To prevent contamination store this product away from food or feed. Store in a cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 40°C or go below -10°C.

SECTION 6: DISPOSAL

Recyclable Container Disposal:

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.
3. 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.

Disposal of Unused, Unwanted Product:

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 cleanup of spills.

SECTION 7: NOTICE

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.

DIRECTIONS FOR USE

SECTION 8: PESTS CONTROLLED

EMESTO QUANTUM is a fungicide and insecticide for use on potato seed pieces to control certain diseases and insects. EMESTO QUANTUM is active on seed-borne *Rhizoctonia solani* (black scurf and stem and stolon canker), *Helminthosporium solani* (silver scurf), Colorado potato beetle, aphids, potato flea beetles and leafhoppers.

EMESTO QUANTUM must be utilized as part of a total integrated approach to disease management. This approach involves the use of cultural, mechanical and, where required, other chemical techniques. These techniques include but are not limited to the use of high quality seed, crop rotation, optimal planting and harvest timing, proper handling of tubers, proper sanitation to reduce inoculum levels and the use of post harvest fungicide applications of alternative chemistries to reduce disease in storage.

For added protection against soil-borne *Rhizoctonia solani*, apply a registered in-furrow fungicide in addition to the seed piece application.

For control of *Fusarium* tuber rot, follow application of EMESTO QUANTUM with a sequential treatment of a potato seed piece treatment registered for *Fusarium* tuber rot.

EMESTO QUANTUM does not control bacterial diseases that may be present within the seed.

SECTION 9: RECOMMENDED USES

CROP	PEST	DOSAGE	REMARKS
Potato	<p>Seed-borne black scurf and stem and stolon canker caused by <i>Rhizoctonia solani</i></p> <p>Silver scurf caused by <i>Helminthosporium solani</i></p> <p>Colorado potato beetle</p> <p>Aphids</p> <p>Leafhopper</p> <p>Potato flea beetle</p>	<p>30 mL of EMESTO QUANTUM per 100 kg seed pieces</p>	<p>For optimal disease and insect control, good coverage of the seed piece is required.</p> <p>Apply specified dosage as a diluted spray using equipment that ensures uniform coverage of each seed piece. Apply no more than 150 ml of slurry / 100 kg of seed pieces. Agitate or stir the slurry solution as needed.</p> <p>Apply only in areas with adequate ventilation or in areas that are equipped to remove spray mist or dust.</p> <p>It is recommended to periodically clean and sanitize all surfaces which may come in contact with cut seed pieces (i.e. cutting machines, tables, knives, planting equipment etc.).</p> <p>Seed pieces should be treated immediately after cutting. Plant seed pieces as soon as possible after cutting and treating.</p> <p>Do not use treated seed pieces for food, feed, or fodder.</p> <p>As part of the seed cutting and treating process, application of an absorbent ingredient is recommended to improve suberization.</p> <p>Do not make any subsequent application of a Group 4A insecticide (i.e., in-furrow or foliar application) following treatment with EMESTO QUANTUM.</p>

TANK MIXTURES: For suppression of damage caused by wireworms and for extended residual control of insect pests other than wireworm, EMESTO QUANTUM may be applied at 30 mL per 100 kg seed pieces, in tank mix with Titan ST Insecticide at 10.4 mL per 100 kg seed pieces. Refer to the registered label of each tank-mix partner for precautions and directions for use associated for those products, and follow of the most restrictive label precautions and limitations.

SECTION 10: APPLICATION CAUTIONS

Treatment of mechanically damaged, or poor quality or low vigour seed may result in reduced germination, vigour and/or resultant yield. Treatment of sprouted seed which is known to be of poor quality or low vigour may result in reduced germination and/or seedling vigour. Avoid treating excessively sprouted seed. Due to seed quality and storage conditions beyond the control of Bayer CropScience, no claims are made with regard to germination of potato seed pieces after treatment with EMESTO QUANTUM.

If cut seed needs to be stored or held for a few days, make sure that there is adequate cool air movement through the pile of cut seed potatoes at relative humidity of 85-90%. Store cut seed at or below 7°C. Temperatures above 10 °C promote soft rot in seed. Cut and treated seed should not be piled above 1.8 m in height.

After cutting, treated seed pieces should be planted in soil above 7°C with adequate soil moisture required for planting.

When transporting EMESTO QUANTUM treated seed, make sure the seed is covered.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. This product should not be applied under conditions where run-off is likely to occur.

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

SECTION 11: USE LIMITATIONS

ROTATIONAL CROPS: Corn, canola, mustard and potatoes may be replanted at any time. A one year plant-back interval is required for leafy, root and tuber vegetables (except potatoes). A 30-day plant-back interval is required for all other crops.

SECTION 12: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that EMESTO QUANTUM contains a Group 7 fungicide and a Group 4 insecticide. Any fungal or insect population may contain individuals naturally resistant to EMESTO QUANTUM and other Group 7 fungicides or Group 4 insecticides. A gradual or total loss of pest control may occur over time if these fungicides and insecticides 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 and insecticide/bactericide resistance:

- Where possible, rotate the use of EMESTO QUANTUM or other products containing a Group 7 fungicide or a Group 4 insecticide with different groups that control the same pathogens.
- Use tank mixtures with fungicide and insecticide from a different group when such use is permitted.
- Fungicide and 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 fungal and insect populations for resistance development. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide and insecticide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens. For further information and to report suspected resistance, contact Bayer CropScience representatives at 1-888-283-6847 or at www.bayercropscience.ca.

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