



2019-3200
2019-09-16

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

ACTIVE INGREDIENT:

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 and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or www.cropscience.bayer.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 treatment applications. When used according to label directions minimal exposure or risk is expected.

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.



GROUP	4	7	11	FUNGICIDE
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PROSPER™ FX

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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

ACTIVE INGREDIENT:

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

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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 PROSPER 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.
- Use tank mixtures with insecticides or fungicides from different groups that are effective on the target pest when such use is permitted.
- 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.cropscience.bayer.ca.

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 and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or www.cropscience.bayer.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 treatment applications. When used according to label directions minimal exposure or risk is expected.

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.