

Container

GROUP 28 INSECTICIDE

EXIREL® insecticide

SUSPENSION

FOR EMERGENCY USE ONLY

For sale and use only in Québec, New Brunswick, Nova Scotia for the control of Cranberry weevil in cranberry from May 7, 2021 to May 6, 2022

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: Cyantraniliprole 100 g/L

Contains 1,2-Benzisothiazolin-3-one at 0.0193 % as a preservative

-OR-

Contains 5-Chloro-2-methyl-2H-isothiazol-3-one at 0.00085%, 2-Methyl-2H-isothiazol-3-one at 0.00028% and Bronopol at 0.0088% as a preservative

Warning, contains the allergen soy.

REGISTRATION NO 30895 PEST CONTROL PRODUCTS ACT

WARNING - SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

NET CONTENTS: 0.5 - 3.79 - 100 LITRES

FMC of Canada Limited
6755 Mississauga Road, Suite 204
Mississauga, ON L5N 7Y2
1-833-362-7722

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS)

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Causes skin irritation. Do not get on skin.
- Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear, and protective eyewear (goggles or face shield) during mixing, loading, application, clean-up and repair. Gloves and protective eyewear are not required during application within a closed cab.
- Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Users 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.
- Do not enter or allow worker entry into treated areas during the restricted entry interval of 12 hours.
- Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings. When applied as a tank-mix combination, read and observe all label directions, including rates, and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures stated on both product labels for mixing, loading and applying.

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.

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 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.

For medical emergencies, call **1-800-331-3148** (24 hours).

TOXICOLOGICAL INFORMATION: Treat symptomatically.

ENVIRONMENTAL HAZARDS:

- Toxic to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- Toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.
- Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.
- Toxic to bees. **DO NOT** apply this product to blooming crops or weeds while bees are actively visiting the treatment area. Apply early in the morning or late in the evening when bees are not active. Minimize spray drift to reduce harmful effects on bees in habitats close to the application

site. To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.
- **DO NOT** apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), estuarine/marine habitats.
- **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- **DO NOT** allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed. To prevent contamination store this product away from food or feed.

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.

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.

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.

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*All other products mentioned are trademarks of their respective companies.

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- Avoid application when heavy rain is forecast.
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DIRECTIONS FOR USE

CROP-SPECIFIC RECOMMENDATIONS

CRANBERRY

Pest(s)	Cranberry weevil (<i>Anthonomus musculus</i>)
Site (Crop)	Cranberry (<i>Vaccinium macrocarpon</i>)
Method of Application	Ground application (foliar)
Rate of Application and Spray Volume	750 to 1500mL/ha. Apply in a minimum finished spray volume of 200 L/ha. Thorough coverage is essential for optimum control.
Number of Applications	Do not make more than 4 applications per season. Do not exceed a total of 4.5 litres EXIREL® insecticide per ha per season.
Application Interval	Do not apply more than once every 7days
Application Timing	Begin applications when treatment thresholds have been reached
Pre-Harvest Interval	14 days

FIELD SPRAYER

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification. Boom height must be 60 cm or less above the crop or ground.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	
Field sprayer	cranberry (<i>Vaccinium macrocarpon</i>)	2	1	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

MIXING INSTRUCTIONS:

Spray equipment must be clean and free of previous pesticide deposits before applying EXIREL® insecticide. Fill spray tank 1/4 to 1/2 full of water. Add EXIREL® insecticide directly to spray tank. Mix thoroughly to fully disperse the insecticide; once dispersed continued agitation is required. Use mechanical or hydraulic means; do not use air agitation. Spray mix should not be stored overnight in spray tank.

Tank mix and crop tolerance – EXIREL® insecticide is a suspo-emulsion. Tank mixing EXIREL® insecticide with some products formulated as emulsifiable concentrates (EC) and certain fungicides can result in crop injury. Strobilurin (Group 11) fungicides and copper- and captan-containing fungicides applied in tank mixes with EXIREL® insecticide, or applied close in time to application of EXIREL® insecticide, have been shown to cause crop injury under laboratory settings. Tank mixes of EXIREL® with some products formulated as emulsifiable concentrates (EC), strobilurin (Group 11) fungicides (for example Cabrio and Quadris), copper and sulfur based fungicides, chlorothalonil based fungicides (for example, Bravo Weather Stik), and the fungicides Captan, Tanos®, Rally and Manzate may result in adverse crop response. Some materials including oils, surfactants, adjuvants, nutritionals and pesticide formulations when applied individually, sequentially, or in tank mixtures may solubilize the plant cuticle, facilitate penetration into plant tissue, and increase the potential for crop injury. The application of strobilurin (Group 11) fungicides in a short time sequence (i.e., seven days apart or less between applications) before or after EXIREL® may also result in adverse crop response. Applying EXIREL® with any product that produces adverse crop response in a tank mixture, specifically including, but not limited to, those listed above, may also cause adverse crop response when applied in a short time sequence. Such uses should be tested as described below before broad application is made.

Crop varieties can differ in their responsiveness, and environmental conditions can have an influence. It is not possible to test EXIREL® insecticide alone or with all possible tank mix combinations on all crop varieties under all environmental conditions. To prevent potential crop injury, test the mixture in a limited area in accordance with label directions prior to using EXIREL® insecticide with any tank mix partner on a wide area. When considering the use of a tank mixture on a labeled crop without prior experience, or which is not specifically described on EXIREL® product labeling or in other product use instruction, or when applying any of the aforementioned products in close sequence with EXIREL®, it is important to check crop safety first. Follow the most restrictive label. Consult a representative for more information regarding use of EXIREL® insecticide in tank mixtures

Acidification of Spray Tank

If the pH of the final spray solution is high (pH >8) and the spray solution is not going to be sprayed within 4 hours, then a spray tank acidifier should be added to the tank to adjust the pH to 7.5 or less. Spray tanks of approximately pH 8 or less can be held for up to 8 hours before spraying. Do not store the spray mixture overnight in the spray tank.

SPRAYER CLEANUP:

Prior to application, start with clean, well-maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits, which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation.

Dispose of waste rinse water in accordance with local regulations.

ROTATIONAL CROP RESTRICTIONS:**Recommended Plant-Back Intervals (PBI) for Rotational Crops**

PBI	CROPS
0 days	Crop Group 1C (Tuberous and corm vegetables); Crop 1B (root vegetables (except sugar beet), Crop Group 2 (Leaves of root and tuber vegetables; Crop Group 3-07

	(Bulb vegetables); Crop Group 4 (Leafy vegetables; except <i>Brassica</i> vegetables); Crop Group 5 (<i>Brassica</i> (Cole) leafy vegetables); Crop Group 6 (Legume Vegetables succulent or dried); Crop Group 8-09 (Fruiting vegetables); Crop Group 9 (Cucurbit vegetables); Crop Group 13-07B (Bushberry subgroup); Crop Group 13-07G (Lowgrowing berry subgroup – except strawberry); Crop Group 20 (Oilseed); peanuts
30 days	Crop Group 1A (Root and tuber vegetables); Crop Group 7 (Foliage of legume vegetables); Crop Group 15 (Cereal grains); Crop Group 16 (Forage, fodder, and straw of cereal grains); Crop Group 17 (Grass forage, fodder, and hay); Crop Group 18 (Nongrass animal feeds: Forage, fodder, straw and hay)
365 days	Other crops

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that EXIREL® insecticide contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to EXIREL® insecticide and other Group 28 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 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 EXIREL® insecticide or other Group 28 insecticides with different groups that control the same pests.
- Make no more than 2 applications of EXIREL® insecticide or other group 28 insecticides per generation to the same insect species on a crop. The following application to the target pest(s) must be with a registered product with a different mode of action.
- Avoid using the same mode of action (same IRAC group number) on consecutive generations of insect pests.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an 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 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 FMC of Canada Limited at 1-833-362-7722.

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