



Bayer CropScience

GROUP	23	INSECTICIDE
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MOVENTO® 240 SC Insecticide

**FOR EMERGENCY USE ON OR BEFORE DECEMBER 31, 2012  
FOR USE IN CRANBERRY (NON-PRODUCING FIELDS, NEW PLANTINGS ONLY) TO  
CONTROL CRANBERRY TIPWORM IN BRITISH COLUMBIA, NEW BRUNSWICK,  
PRINCE EDWARD ISLAND AND NOVA SCOTIA**

COMMERCIAL

GUARANTEE: Spirotetramat..... 240 g/L

SUSPENSION

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

REGISTRATION NO. 28953 PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

POTENTIAL SKIN SENSITIZER

NET CONTENTS : \_\_ Litres

Product Information: 1-888-283-6847  
[www.bayercropscience.ca](http://www.bayercropscience.ca)

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Calgary, Alberta T2C 3G3

"In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577  
(24 hours a day)."

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## GENERAL INFORMATION

### Section 1: 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.

### Section 2: The Product

MOVENTO<sup>®</sup> 240 SC Insecticide is a Suspension Concentrate formulation. Following application to plant foliage, MOVENTO<sup>®</sup> 240 SC Insecticide is fully systemic, moving through phloem and xylem to all plant tissues including new shoot, leaf and root growth. MOVENTO<sup>®</sup> 240 SC Insecticide is active primarily by ingestion by immature insect life stages. Application should be timed to coincide with an early threshold level in developing insect populations. MOVENTO<sup>®</sup> 240 SC Insecticide can be applied by ground application equipment or through chemigation.

## SAFETY AND HANDLING

### Section 3: Precautions, Protective Clothing and Equipment

#### PRECAUTIONS

##### KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through skin. Potential skin sensitizer. Avoid contact with skin or clothing. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

DO NOT apply this product using high-pressure hand wand equipment.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

##### PROTECTIVE CLOTHING AND EQUIPMENT:

Mixers and loaders must wear long-sleeved shirt, long pants, chemical resistant gloves, and shoes plus socks. Applicators must wear long-sleeved shirt, long pants and shoes plus socks. When mixing, loading and applying using backpack workers must wear long-sleeved shirt, long pants, chemical resistant gloves, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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.
- Remove Personal Protective Equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

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 web site at: [www.croplife.ca](http://www.croplife.ca).

Section 4: First Aid and Toxicological Information
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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	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• 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 eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**TOXICOLOGICAL INFORMATION:**

Note to Physician: No specific antidote is available. Treat patient symptomatically

Section 5: ENVIRONMENTAL HAZARDS
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TOXIC to aquatic organisms.

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.

This product is TOXIC to bees through direct contamination of pollen and nectar. DO NOT apply this product during crop flowering period or when flowering weeds are present in the field, orchard or vineyard.

This product is 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 non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

Section 6: STORAGE
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To prevent contamination, store this product away from food or feed.

MOVENTO® 240 SC Insecticide is packaged in poly-ethylene containers. Do not allow product or containers to freeze. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Do not walk through spilled material.

Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away.

Section 7: DISPOSAL
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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.

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.

DIRECTIONS FOR USE

Section 8: Crops and Pest
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CRANBERRY (NON-PRODUCING FIELDS, NEW PLANTINGS ONLY)

MOVENTO 240 SC Insecticide may be applied to cranberry (non-producing fields, new plantings only) by ground application or through chemigation. For application by chemigation, read the section below.

Apply specified dosage of MOVENTO® 240 SC Insecticide early in the infestation as the population begins to develop or at early threshold for the target insect pest. The degree of control or suppression of labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

Do not exceed the maximum amount of MOVENTO 240 SC Insecticide per season. Higher rates should be used for moderate to heavy insect pressure or where longer residual control is desired.

<p>NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED EMERGENCY USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than Bayer CropScience and accepted for registration by Health Canada as an Emergency Use Registration for use on or before December 31, 2012 only. Bayer CropScience itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on cranberry (non-producing fields, new plantings only). Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Bayer CropScience harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.</p>
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Pests controlled	Rate mL/ha	Remarks
Cranberry tipworm ( <i>Dasineura oxycoccana</i> )	365-729	<p>May be applied to cranberry (non-producing fields, new plantings only) by ground application or through chemigation.</p> <p>Apply post-bloom.</p> <p>Minimum interval between applications: 7 days.</p>

	<p>Maximum MOVENTO 240 SC Insecticide allowed per crop season: 1.833 L/ha.</p> <p>Apply uniformly in 200 - 3000 L total volume/ha by ground. Apply in sufficient water volume to ensure thorough coverage.</p> <p>For Cranberry tipworm, apply at egg hatch.</p> <p>For chemigation, the higher dosage of MOVENTO 240 SC is recommended for control (see Chemigation Application Directions for additional information).</p> <p>For ground application, apply the lower dose of MOVENTO 240 SC under low pest pressure and the higher dose of MOVENTO 240 SC under higher pest pressure.</p> <p>MOVENTO 240 SC Insecticide must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants. The adjuvant type must be one of the following: non-ionic (e.g., Agral 90 or Ag-surf), methylated seed oil (e.g., Hasten), or horticultural oil.</p>
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Section 9: APPLICATION INSTRUCTIONS and USE LIMITATIONS

Directions for Chemigation

MOVENTO 240 SC Insecticide may be applied through a solid set overhead sprinkler irrigation system that will apply water uniformly and within the confines of a closed perimeter of dykes. Do not apply this product through any other type of irrigation system. Sprinkler systems that deliver a low coefficient of uniformity such as certain water drive units are not recommended. Non-uniform distribution of treated water may reduce effectiveness or result in illegal pesticide residues on the crop. Proper calibration of the chemigation system is essential to deliver the desired rate per hectare in a uniform manner and to minimize wash-off time. If you have questions about calibration, contact the equipment manufacturer or other expert.

The time to washoff (the travel time for the solution from first to last head) is extremely important to obtain maximum pest control through chemigation. Washoff times should be 15

minutes or less. Running a concentrated dye solution through the system prior to chemigation will determine adequate water volume to maximize efficacy of the chemigation use pattern.

#### Equipment Requirements

The system must contain an air gap, or approved backflow prevention device, or approved functional check valve, vacuum relief valve (including inspection port), and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow unless the water is from a man-made self-contained source on private land.

The pesticide injection pipeline must contain a functional, automatic quick-closing check valve or one way valve to prevent the flow of fluid back toward the injection pump. A secondary containment system around the injection port area must be in place.

The pesticide injection pipeline must also contain a functional, normally closed, valve located on the intake side of the injection system to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection when the water pressure drops or water flow stops. Alternatively, in the absence of such an automatic system, the injection procedure must be continuously monitored by an operator who is able to manually shut off pesticide injection under the same circumstances.

Systems must use a metering device, such as a positive displacement injection pump (or flow meter on eductor) effectively designed and compatible with pesticides and capable of being fitted with a system interlock.

The tank holding the insecticide mixture should be free of rust, fertilizer, sediment, and foreign material, and equipped with an in-line strainer situated between the tank and the injection point.

To insure uniform mixing of the insecticide in the water line, inject the mixture in the center of the pipe diameter or just ahead of an elbow or tee in the irrigation line so the turbulence created at those points will assist in mixing. The injection point must be located after all back-flow prevention devices on the water line unless the water is from a man-made self-contained source on private land.

#### Precautions

DO NOT connect an irrigation system used for pesticide application to a public water system unless the required safety devices for public water systems are in place. Specific local regulations may apply and must be followed.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall operate the system and shall shut the system down to make necessary adjustments should the need arise.



Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings.

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.

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.

Chemigation: 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/medium/coarse classification. Applications MUST be conducted WITHOUT the use of end guns.

DO NOT apply by air.

#### 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).

Method of application	Crop	Buffer Zones (meters) Required for the Protection of Terrestrial habitat
Field sprayer	Cranberry	1
Chemigation		

#### Section 11: MIXING INSTRUCTIONS

MOVENTO® 240 SC Insecticide is subject to phase separation during storage. Vigorous shaking to re-suspend the product is required before using.

The proper mixing procedure for MOVENTO® 240 SC Insecticide is:

- 1) Fill the spray tank 1/2 full with clean water;
- 2) Add the required amount of MOVENTO® 240 SC Insecticide,
- 3) Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

Section 12: PRE-HARVEST INTERVALS
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Crop	Pre-harvest interval (days)
Cranberry	7

Section 13: RESISTANCE MANAGEMENT RECOMMENDATIONS
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For resistance management, please note that MOVENTO® 240 SC Insecticide contains a Group 23 insecticide. Any insect population may contain individuals naturally resistant to MOVENTO® 240 SC Insecticide and other Group 23 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 MOVENTO® 240 SC Insecticide or other Group 23 insecticides with different groups that control the same pests in a field.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Before applying MOVENTO® 240 SC Insecticide, correctly identify the pest and ensure economic and agronomic thresholds are met as recommended by local provincial or IPM specialists.
- 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 via internet at [www.bayercropscience.ca](http://www.bayercropscience.ca) or phone 1-888-283-6847.

MOVENTO® 240 SC Insecticide is a registered trademark of Bayer.