

GROUP

3A

INSECTICIDE

**CAPTURE<sup>®</sup> 240EC**  
**Insecticide**

Liquid

**FOR EMERGENCY USE ONLY**

**For sale and use only in British Columbia for the control of weevils in raspberries and highbush blueberries from June 1, 2021 to August 31, 2021**

**COMMERCIAL (AGRICULTURAL)**

**ACTIVE INGREDIENT:** Bifenthrin and its trans isomer ..... 240 g/L

**REGISTRATION NO. 31396**

**PEST CONTROL PRODUCTS ACT**



**DANGER**

**POISON**

**POTENTIAL SKIN SENSITIZER**

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

**NET CONTENTS: 1 - 10 L**

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)**

## 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.

## 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

Contains petroleum distillate. Vomiting may cause aspiration pneumonia. Treat symptomatically.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN. POTENTIAL SKIN SENSITIZER.**
2. Fatal or poisonous if swallowed.
3. Harmful if inhaled. Avoid inhaling/breathing sprays.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, 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.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.

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

## **STORAGE**

1. Store the leftover product in original tightly closed container.
2. Store this product away from food or feed.
3. Store in cool, dry, locked, well-ventilated area without floor drain.

## **DISPOSAL**

### **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 information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

## DIRECTIONS FOR USE (See specific sections for each crop) **Application Instructions**

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.

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.

A Vegetative Filter Strip (VFS) of at least 10 metres wide must be constructed and maintained. The VFS is required between the field edge and adjacent, downhill aquatic habitats to reduce risk to aquatic organisms from run-off. Aquatic habitats include, but are not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries.

The VFS is to be composed of grasses and may also include shrubs, trees, or other vegetation. Additional guidance can be found on the PMRA Environmental Risk Mitigation webpages.

Both VFS and spray drift buffer zones must be observed.

### **Spray Drift Precautions**

All application equipment must be properly maintained and calibrated using appropriate carriers.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this

product when winds are gusty. **DO NOT** apply when wind speed is greater than 8 km/h at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Air-induction nozzles must be used for the ground application of this product. Boom height must be 60 cm or less above the crop or ground.

Buffer zones:

Spot treatments using hand-held equipment DO NOT require a buffer zone.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:			
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:	
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer	Raspberries, Highbush blueberries	15	5	55	25

For field sprayer applications of this product, the spray drift buffer zones cannot be modified.

**DO NOT apply by air.**

## CROP-SPECIFIC RECOMMENDATIONS

### RASPBERRIES

<b>Pest</b>	Black vine weevil, obscure root weevil, rough strawberry root weevil, strawberry root weevil, strawberry blossom weevil.
<b>Crop</b>	Raspberries.
<b>Method of Application</b>	Ground foliar spray.
<b>Rate of Application and Spray Volume</b>	467 mL/ha (112 g ai/ha). Apply by ground equipment in sufficient water to obtain full coverage of foliage.
<b>Number of Applications</b>	Maximum 2 applications per season.
<b>Application Interval</b>	30 days.
<b>Application Timing</b>	Post-bloom.
<b>Pre-Harvest Interval</b>	3 days.
<b>Notes</b>	Do not apply during the crop blooming period. Avoid spraying when bees are foraging in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to

	the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website ( <a href="http://www.healthcanada.gc.ca/pollinators">www.healthcanada.gc.ca/pollinators</a> ). Do not apply by air.
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## HIGHBUSH BLUEBERRIES

<b>Pest</b>	Black vine weevil, obscure root weevil, rough strawberry root weevil, strawberry root weevil.
<b>Crop</b>	Highbush blueberries.
<b>Method of Application</b>	Ground foliar spray.
<b>Rate of Application and Spray Volume</b>	300 - 450 mL/ha (72 - 108 g ai/ha). Apply by ground equipment in sufficient water to obtain full coverage of foliage. Use the higher rate when canopy is heavy and/or pest pressure is severe.
<b>Number of Applications</b>	Maximum 2 applications per season.
<b>Application Interval</b>	Minimum 7 days.
<b>Application Timing</b>	Post-bloom.
<b>Pre-Harvest Interval</b>	3 days.
<b>Notes</b>	Do not apply during the crop blooming period. Avoid spraying when bees are foraging in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website ( <a href="http://www.healthcanada.gc.ca/pollinators">www.healthcanada.gc.ca/pollinators</a> ). Do not apply by air.

## ENVIRONMENTAL PRECAUTIONS

TOXIC to aquatic organisms and small wild mammals. Observe buffer zones specified under DIRECTIONS FOR USE.

TOXIC to bees. Bees may be exposed through direct spray, spray drift, and residues on leaves, pollen and nectar in flowering crops and weeds. Minimize spray drift to reduce harmful effects on bees in habitats close to the application site. Avoid applications when bees are foraging in the treatment area in ground cover containing blooming weeds. To further minimize exposure to pollinators, refer to the complete guidance “Protecting Pollinators during Pesticide Spraying – Best Management Practices” on the Health Canada website ([www.healthcanada.gc.ca/pollinators](http://www.healthcanada.gc.ca/pollinators)). Follow crop specific directions for application timing.

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. Bifenthrin may

impact predatory and parasitic arthropod species used in IPM programs within the treatment area. Unsprayed refugia for beneficial species of at least 1 metre from treatment area will help maintain beneficial arthropod populations

This product contains aromatic petroleum distillates which are 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.

To reduce risk to aquatic organisms from runoff, a vegetative filter strip of at least 10 metres wide between the field edge and adjacent, downhill aquatic habitats must be observed, as specified under DIRECTIONS FOR USE.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that CAPTURE® 240EC contains a synthetic pyrethroid insecticide. Any pest population may contain individuals naturally resistant to CAPTURE® 240EC and other synthetic pyrethroid insecticides. The resistant individuals may dominate the pest population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

Where possible, rotate the use of CAPTURE® 240EC or other synthetic pyrethroid insecticides with different groups that control the same 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.

## **STORAGE**

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