

**GROUP**

**3A**

**INSECTICIDE**

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

Liquid

For control of listed insects on raspberries in British Columbia and for control of wireworms on potatoes  
For use in British Columbia only to control spotted wing Drosophila on highbush blueberries.

**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 ATTACHED BOOKLET BEFORE USING.**  
**KEEP OUT OF REACH OF CHILDREN.**

**NET CONTENTS:** 10 L

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

## 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 long-sleeved shirt, long pants, chemical-resistant gloves, shoes plus socks and goggles during mixing, loading, application, clean up and repair. Gloves 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.

## ENVIRONMENTAL HAZARDS

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.

Construct and maintain a minimum 10 meter wide vegetative filter strip of grass or other permanent vegetation between the field edge and any aquatic habitat down gradient from the area of application. These aquatic habitats include, but are not limited to, lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Only apply products containing bifenthrin onto fields where a maintained vegetative filter strip of at least 10 meters exists between the field and aquatic habitat down gradient of area of application.

To use this product you must maintain a vegetative filter strip of at least 10 metres designed to remove sediment. The design of the filter strip should follow existing federal or provincial guidance such as that found at: <http://www.agr.gc.ca/eng/science-and-innovation/agricultural-practices/agroforestry/shelterbelt-planning-and-establishment/design/riparian-buffers/?id=1344888191892> and <http://www.agr.gc.ca/fra/science-et-innovation/pratiques-agricoles/agroforesterie/planification-et-etablissement-des-brise-vent/conception/bandes-riveraines/?id=1344888191892>

## STORAGE

1. Store the leftover product in original tightly closed container.
2. DO NOT ship or store the product near food, feed, seed and fertilizers.
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.

### **Returnable-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.

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<b>IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS)</b>
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CAPTURE® is a trademark of FMC Corporation or an affiliate.

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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 to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas. 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.

### 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.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

**DO NOT apply by air.**

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		Buffer Zones (metres) Required for the Protection of:			
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats 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
Airblast	Raspberries, Highbush blueberries	Late growth stage	60	55	75	65

The airblast spray drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site. For field sprayer applications of this product, the spray drift buffer zones cannot be modified.

Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

Spray should be released at the lowest height consistent with pest control.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

## CROP-SPECIFIC RECOMMENDATIONS

### RASPBERRIES

CROP	PEST	DOSAGE		REMARKS
		g a.i./ha	mL product/ha	
Raspberries— for use in British Columbia only	Oblique banded leafroller Orange Tortrix Black vine weevil Obscure root weevil Clay coloured weevil Earwigs	112	467	<p>Apply by ground equipment using sufficient water to obtain full coverage of foliage. (minimum of 500 litres per hectare by ground).</p> <p>Do not apply by air.</p> <p>One application may be made pre-bloom and a second application may be made post bloom. Do NOT make applications less than 30 days apart. Make applications only if monitoring determines that they are necessary.</p> <p>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>).</p> <p>Do not apply within 3 days of harvest.</p> <p>Do not exceed 934 ml per hectare per year.</p>



## POTATOES

CROP	PEST	DOSAGE		REMARKS
		g a.i.	mL product	
Potatoes	At plant: Wireworms	2.0-3.4 g a.i./100 m row  or  222-337 g a.i./ha (at-plant)	8.3-14.1 mL/100 m row  or  925-1404 mL/ha (at-plant)	<p>Capture 240EC may be applied once per year as an in-furrow planting time treatment for the control of wireworms. Apply Capture 240EC at the rate of 925-1404 ml per hectare as an in-furrow spray or T-band spray at planting time.</p> <p>Select a rate from within the registered range according to pest pressure and field scouting. Use low rates under light to moderate pest pressure and high rates under heavy pest pressure.</p> <p>Do not apply by air.</p> <p>Do not apply within 21 days of harvest.</p>

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than FMC of Canada Ltd. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. FMC of Canada Ltd. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below. Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold FMC of Canada Ltd. harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

HIGHBUSH BLUEBERRIES in British Columbia Only				
CROP	PEST	DOSAGE		REMARKS
		g a.i./ha	mL product/ha	
Highbush blueberries in British Columbia only	Spotted wing Drosophila	72 - 108	300 - 450	<p>For use in the Province of British Columbia only.</p> <p>Apply by ground equipment using sufficient water to obtain full coverage of foliage. Use the higher rate when canopy is heavy and/or pest pressure is severe.</p> <p>Do not apply by air.</p> <p>Maximum 2 applications per season. Do NOT make applications less than 7 days apart. Apply when adult flies and/or ripening fruit are present (as determined by local monitoring). Apply <b>CAPTURE 240EC</b> in a minimum of 100 L of finished spray per hectare.</p> <p>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>).</p> <p>Do not apply within 3 days of harvest.</p> <p>Do not exceed 900mL per hectare per year.</p>

## ENVIRONMENTAL HAZARDS

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## 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 in a field.

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, 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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## **DISPOSAL**

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**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.

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