

Container Label

GROUP	7	11	FUNGICIDE
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### MERIVON® FUNGICIDE

For use in Blueberry, Bulb Vegetables, Cucurbit Vegetables, Grape, Leafy Vegetables, Pome Fruits, Root Vegetables, Stone Fruits, and Strawberry

#### COMMERCIAL (AGRICULTURAL)

**ACTIVE INGREDIENTS:** Pyraclostrobin..... 250 g/L  
Fluxapyroxad..... 250 g/L

Contains 1,2-benzisothiazolin-3-one at 0.0043% and 2-methyl-4-isothiazolin-3-one at 0.0043%, as preservatives

#### OR

Contains 1,2-benzisothiazolin-3-one at 0.0050%, 2-methyl-4-isothiazolin-3-one at 0.0050% and 2-bromo-2-nitropropane-1,3-diol at 0.018%, as preservatives

Warning, Contains the allergen Soy

#### SUSPENSION

REGISTRATION NO. 33951

PEST CONTROL PRODUCTS ACT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**



DANGER

SKIN IRRITANT

POISON

**READ THE LABEL BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**NET CONTENTS:** 0.01 L - Bulk

BASF Canada Inc.  
100 Milverton Drive, 5th Floor  
Mississauga, Ontario L5R 4H1  
1-877-371-2273

MERIVON is a registered trademark of BASF SE, used with permission by BASF Canada Inc.

**PRECAUTIONS:** Please refer to the booklet for the complete list of precautions.

## **ENVIRONMENTAL PRECAUTIONS**

Fluxapyroxad is persistent and may carryover. It is recommended that this product not be used in areas treated with any product containing fluxapyroxad during the previous season.

TOXIC to aquatic organisms, non-target terrestrial plants and small wild mammals. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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.

## **FIRST AID**

**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 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 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 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.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **TOXICOLOGICAL INFORMATION**

The patient should be treated symptomatically.

## **STORAGE**

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 Returnable Containers**

Do not reuse this container for any purpose. For disposal, this 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.

### **For Non-Returnable containers**

Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements.

For information on the 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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## GENERAL INFORMATION

This package contains **MERIVON Fungicide**, a broad-spectrum fungicide. The active ingredients in **MERIVON Fungicide** belongs to two classes of fungicides, the carboxamide (SDHI) and the strobilurin (QoI) groups of fungicides.

**MERIVON Fungicide** inhibits spores germination, mycelial growth and sporulation of the fungus on the leaf surface. Optimum disease control is achieved when **MERIVON Fungicide** is applied preventatively in a regularly scheduled spray program and is used in a rotation program with other fungicides. Preventative applications optimise disease control, resulting in improved plant health.

**MERIVON Fungicide** is not for use in greenhouse or transplants production.

**DIRECTIONS FOR USE** (See specific sections for each crop or crop group)

<b>All Crops</b>
<p>Apply labelled rates of <b>MERIVON Fungicide</b> as instructed in the following series of Application Rate Tables. Apply <b>MERIVON Fungicide</b> with spray equipment as specified. Equipment should be checked frequently for proper calibration. Apply <b>MERIVON Fungicide</b> with sufficient water to ensure thorough coverage of foliage, blooms and fruit.</p> <p>As this product is not registered for the control of pests in aquatic systems, <b>DO NOT</b> use to control aquatic pests.</p> <p><b>DO NOT</b> contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.</p> <p><b>DO NOT</b> make more than two (2) sequential applications of <b>MERIVON Fungicide</b> targeting the same disease before alternating to a labelled fungicide containing a different mode of action.</p>
<b>TANK MIXING</b>
<p>In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact BASF Canada Inc. at 1-877-371-2273 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.</p> <p>Follow the most restrictive label directions for each of the tank mix partners including the rates, maximum number of applications, application timing, protective equipment, restrictions and precautions.</p>

**DO NOT** enter or allow worker entry into treated areas during the restricted entry intervals (REIs) specified in the following table:

<b>Crop</b>	<b>Post-Application Activities</b>	<b>Restricted-entry Intervals (REI) and/or Preharvest Intervals (PHI)</b>
Crop Subgroup 1B (Root Vegetables Except Sugar Beets)	Hand harvesting, mechanical harvesting <sup>1</sup>	7 days
	All other activities	12 hours
Crop Group 3-07 (Bulb vegetables)	Hand harvesting, mechanical harvesting <sup>1</sup>	7 days
	All other activities	12 hours
Crop Group 4 (Leafy vegetables except brassica)	Hand harvesting and thinning	9 days
	Mechanical harvesting <sup>1</sup> , scouting, hand-set irrigation	1 day
	All other activities	12 hours
Crop Group 9 (Cucurbit vegetables)	Hand harvesting, thinning, pruning and turning	3 days
	Mechanical harvesting <sup>1</sup> , and all other activities	12 hours
Crop Group 11-09 (Pome fruit)	Hand thinning	12 days
	Hand harvesting	5 days
	Mechanical harvesting <sup>1</sup> , and all other activities	12 hours
Crop Group 12-09 (Stone fruit)	Hand thinning	10 days
	Hand harvesting	1 day
	Mechanical harvesting <sup>1</sup> , and all other activities	12 hours
Blueberries (Highbush)	Handset irrigation	8 days
	Hand harvesting	5 days
	Mechanical harvesting <sup>1</sup> , and all other activities	12 hours
Blueberries (Lowbush)	Hand harvesting	1 day
	Mechanical harvesting <sup>1</sup> , and all other activities	12 hours
Grapes	Hand harvesting, thinning, tying, leaf pulling and hand pruning	21 days
	Mechanical harvesting <sup>1</sup>	14 days
	All other activities	12 hours
Strawberries	Hand harvesting, pinching, hand pruning and training	1 day
	Mechanical harvesting <sup>1</sup> , and all other activities	12 hours

<sup>1</sup> Mechanical harvesting assumes no contact with the treated foliage or crop.

**Blueberry (Highbush and Lowbush) Application Rate Table  
(Ground Application)**

<b>Target Disease</b>	<b>Rate (L product/ha)</b>	<b>Spray Interval (days)</b>	<b>Maximum Number of Applications per Year</b>	<b>PHI (days)</b>
Septoria leaf spot ( <i>Septoria</i> spp.)	0.4 – 0.8	7 – 14	3	0
Botrytis gray mold ( <i>Botrytis cinerea</i> ) (Suppressed)	0.6 – 0.8			
Anthracnose ( <i>Colletotrichum acutatum</i> & <i>C. gloeosporioides</i> ) Phomopsis twig blight ( <i>Phomopsis vaccinii</i> )	0.8			

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Apply subsequent applications if disease persists or weather conditions are favourable for disease development. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high.

**Detailed Crop Listing:** Blueberry (highbush and lowbush)

**Bulb Vegetables, Crop Group 3-07 Application Rate Table  
(Ground Application)**

Target Disease	Rate (L product/ha)	Spray Interval (days)	Maximum Number of Applications per Year	PHI (days)
Purple blotch and leaf blight ( <i>Alternaria porri</i> )	0.4 – 0.6	7 – 14	3	7
Stemphylium leaf blight and stalk rot ( <i>Stemphylium vesicarium</i> ) (Suppressed)				
Botrytis leaf blight ( <i>Botrytis</i> spp.)	0.6			
Downy mildew ( <i>Peronospora destructor</i> ) (Suppressed)				

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.

**Detailed Crop Listing:** Chive, fresh leaves; Chive, Chinese, fresh leaves, Daylily, bulb; Elegans hosta; Fritillaria; Garlic, bulb; Garlic, great-headed; Garlic, serpent, bulb; Kurrat; Lady's leek; Leek; Lily; Onion, beltsville bunching; Onion, bulb; Onion, Chinese, bulb; Onion, fresh; Onion, green; Onion, macrostem; Onion, pearl; Onion, potato, bulb; Onion, tree, tops; Onion, Welsh, tops; Shallot, bulb and fresh leaves; Wild leek



**Cucurbit Vegetables, Crop Group 9 Application Rate Table  
(Ground Application)**

<b>Target Disease</b>	<b>Rate (L product/ha)</b>	<b>Spray Interval (days)</b>	<b>Maximum Number of Applications per Year</b>	<b>PHI (days)</b>
Powdery mildew ( <i>Podosphaera xanthii</i> [syn. <i>Sphaerotheca fuliginea</i> ], <i>Erysiphe cichoracearum</i> )	0.3 – 0.4	7 – 14	3	0
Alternaria leaf blight ( <i>Alternaria cucumerina</i> ) Anthracnose ( <i>Colletotrichum orbicular</i> ) Downy Mildew ( <i>Pseudoperonospora cubensis</i> ) (Suppressed) Gummy stem blight ( <i>Didymella bryoniae</i> ) (Suppressed)	0.4			

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Use the higher rate, where applicable, when disease pressure is high. Subsequent applications may be applied if disease persists or weather conditions are favourable for disease development.

**DO NOT** make more than one (1) application of **MERIVON Fungicide** before alternating to a labeled fungicide containing a different mode of action.

**DO NOT** apply **MERIVON Fungicide** to cucurbit vegetables as a tank mix with any other pesticide products (including fungicides, insecticides, herbicides), adjuvants, liquid fertilizers, nutrients, any other additives, or anything other than water.

Mix **MERIVON Fungicide** with water only for application to cucurbit vegetables.

**Detailed Crop Listing:** Chayote; Chinese Waxgourd; Citron melon; Cucumber; Gherkin; Gourd, edible; *Momordica* spp.; Muskmelon (Cantaloupe, Casaba, Crenshaw melon, Golden pershaw melon, Honeydew melon, Honey balls, Mango melon, Persian melon, Pineapple melon, Santa claus melon, Snake melon); Pumpkin; Summer squash (Crookneck squash, Scallop squash, Straightneck squash, Vegetable marrow, Zucchini); Winter squash (Butternut squash, Calabaza, Hubbard squash, Acorn squash, Spaghetti squash); Watermelon

**Grape Application Rate Table  
(Ground Application)**

Target Disease	Rate (L product/ha)	Spray Interval (days)	Maximum Number of Applications per Year	PHI (days)
Powdery mildew ( <i>Erysiphe necator</i> )	0.3	7 – 14	6	14

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Use the shorter interval when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.

**DO NOT** use on table grapes.

**Crop Safety Precaution**

To avoid crop injury, **DO NOT** apply **MERIVON Fungicide** to grapes as a tank mix with any other pesticide products (including fungicides, insecticides, herbicides), adjuvants, liquid fertilizers, nutrients, any other additives, or anything other than water. Refer to mixing instructions within this label for further information.

Mix **MERIVON Fungicide** with water only for application to grapes.

**DO NOT** use **MERIVON Fungicide** on Concord, Noiret, and NY73.0136.17 due to possible foliar injury. Possible foliar injury could occur to Worden, Fredonia, Niagara, Steuben, Rougeon or related varieties. Thoroughly rinse spray equipment, including the inside of the tank, hoses and nozzles after using **MERIVON Fungicide** before using the same spray equipment on varieties sensitive to **MERIVON Fungicide**.

**Detailed Crop Listing:** Grape

**Leafy Vegetables Application Rate Table  
(Ground Application)**

Target Disease	Rate (L product/ha)	Spray Interval (days)	Maximum Number of Applications per Year	PHI (days)
Powdery mildew ( <i>Erysiphe cichoracearum</i> ) on lettuce (head and leaf), endive, garland Chrysanthemum and red chicory only  Sclerotinia leaf drop ( <i>Sclerotinia minor</i> OR <i>S. sclerotiorum</i> ) (Suppressed)	0.3 – 0.4	7 – 14	3	1

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Use the shorter interval and/or the higher rate, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.

**DO NOT** apply **MERIVON Fungicide** to spinach as a tank mix with any other pesticide products, adjuvants, additives, nutrients or anything other than water. Mix **MERIVON Fungicide** with water only for application to spinach (all varieties).

**Detailed Crop Listing:** Amaranth; Arugula; Cardoon; Celery; Celery (Chinese); Celtuce; Chervil; Chrysanthemum (edible-leaved and garland); Corn salad; Cress (garden and upland); Dandelion; Dock (sorrel); Endive (escarole); Fennel, Florence; Lettuce (head and leaf); Orach; Parsley; Purslane (garden and winter); Radicchio (red chicory); Rhubarb; Spinach; Spinach (New Zealand); Spinach (vine); Swish Chard

**Pome Fruit, Crop Group 11-09 Application Rate Table  
(Ground Application)**

Target Disease	Rate (L product/ha)	Spray Interval (days)	Maximum Number of Applications per Year	PHI (days)
Powdery mildew ( <i>Podosphaera leucotricha</i> ) Apple scab ( <i>Venturia inaequalis</i> ) Bitter rot ( <i>Colletotrichum</i> spp.) Blackrot/Frogeye leaf spot ( <i>Botryosphaeria obtusa</i> ) Flyspeck ( <i>Zygophiala jamaicensis</i> ) Pear scab ( <i>Venturia pirina</i> ) Sooty blotch (disease complex)	0.3 – 0.4	7 – 14	4	0

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Use the shorter interval and/or the higher rate when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.

**Use of Adjuvants and Mixtures with other Products:** While addition of surfactant is not required, a non-ionic surfactant may be added at 0.03-0.0625% v/v (3-6.25 L/100 [or 30-62.5 L/1000 L]) of the spray solution to improve coverage, wettability and penetration of target surfaces that have developed a thicker cuticle due to adverse environmental conditions, e.g., drought. Under certain conditions, mixtures of **MERIVON Fungicide** with adjuvants, additives and/or other products may cause crop injury. Caution should be exercised if **MERIVON Fungicide** is tank mixed with products formulated as emulsifiable concentrates (EC) or containing high amounts of solvents since injury may occur. Consult your local BASF representative for more information specific to your area. Refer to mixing instructions within this label for further information.

**DO NOT** use **MERIVON Fungicide** with crop oil concentrate (COC) or methylated seed oil (MSO) adjuvants.

For pears, **DO NOT** use **MERIVON Fungicide** with horticultural mineral oil as crop response to foliage and/or fruit can occur under certain conditions.

**Detailed Crop Listing: Crop Group 11-09** – Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; Asian pear; quince; Chinese quince; Japanese quince; tejocote; cultivars, varieties and/or hybrids of these commodities

**Root Vegetables (except Sugar Beet), Crop Subgroup 1B Application Rate Table (Ground Application)**

<b>Target Disease</b>	<b>Rate (L product/ha)</b>	<b>Spray Interval (days)</b>	<b>Maximum Number of Applications per Year</b>	<b>PHI (days)</b>
Alternaria leaf spot/blight ( <i>Alternaria dauci</i> ) Powdery mildew ( <i>Erysiphe</i> spp.)	0.3 – 0.4	7 – 14	3	7
Cercospora leaf spot/blight ( <i>Cercospora</i> spp.)	0.4			
<p>Begin applications of <b>MERIVON Fungicide</b> prior to onset of disease development. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.</p>				
<p><b>Detailed Crop Listing:</b> Garden Beet; Edible Burdock; Carrot; Celeriac; Turnip-Rooted Chervil; Chicory; Ginseng; Horseradish; Turnip-Routed Parsley; Parsnip; Radish; Oriental Radish; Rutabaga; Salsify (oyster plant, black, Spanish); Skirret; Turnip</p>				

**Stone Fruit, Crop Group 12-09 Application Rate Table  
(Ground Application)**

Target Disease	Rate (L product/ha)	Spray Interval (days)	Maximum Number of Applications per Year	PHI (days)
Anthracnose ( <i>Colletotrichum</i> spp.)	0.3 – 0.4	7 – 14	3	0
Blossom Blight ( <i>Monilinia</i> spp.)				
Brown Rot ( <i>Monilinia</i> spp.)				
Leaf spot ( <i>Blumeriella jaapii</i> )				
Powdery mildew ( <i>Podosphaera</i> spp.)				
Rhizopus rot ( <i>Rhizopus stolonifera</i> ) (Suppressed)	0.4			

Begin applications of **MERIVON Fungicide** prior to onset of disease development. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.

**Use of Adjuvants and Mixtures with other Products:** While addition of surfactant is not required, a non-ionic surfactant may be added at 0.06% v/v (6 L/100 [or 60 L/1000 L]) of the spray solution to improve coverage, wettability, and penetration of target surfaces that have developed a thicker cuticle due to adverse environmental conditions, e.g., drought. Under certain conditions, mixtures of **MERIVON Fungicide** with adjuvants, additives and/or other products may cause crop injury, particularly to fruit within two weeks of harvest. Caution should be exercised if **MERIVON Fungicide** is tank mixed with products formulated as emulsifiable concentrates (EC) or containing high amounts of solvents since injury may occur. Consult your local BASF representative for more information specific to your area.

**DO NOT** use **MERIVON Fungicide** with crop oil concentrate (COC) or methylated seed oil (MSO) adjuvants.

BASF has not tested all varieties and cultivars with all possible tank mix combinations and rates of additives or adjuvants. Local environmental conditions also influence crop tolerance and may not match those under which BASF has conducted testing. Physical incompatibility, reduced disease control, crop injury, or incompatibility due to additives, adjuvants or other products used in combination with **MERIVON Fungicide** may result from mixing **MERIVON Fungicide** with other products. To minimize the likelihood of crop injury, BASF recommends testing **MERIVON Fungicide** in combination with other products for crop safety on a small portion of the crop. However, environmental variability precludes direct and consistent projection of small area test results to future use. Consult a BASF representative for more information concerning additives or adjuvants.

**Detailed Crop Listing:** Apricot; Apricot (Japanese); Capulin; Cherry (black, Nanking, sweet, tart); Jujube, Chinese; Nectarine; Peach; Plum; Plum (American, beach, Canada, cherry, Chickasaw, Damson, Japanese, Klamath, prune); Plumcot; Sloe; all cultivars, varieties, and hybrids of these commodities

**Strawberry Application Rate Table  
(Ground Application)**

Target Disease	Rate (L product/ha)	Spray Interval (days)	Maximum Number of Applications per Year	PHI (days)
Anthracnose ( <i>Colletotrichum</i> spp.)	0.4 – 0.8	7 – 14	3	0
Botrytis gray mold ( <i>Botrytis cinerea</i> ) (Suppressed)	0.6 – 0.8			
Powdery mildew ( <i>Podosphaera aphanis</i> )	0.4 – 0.6			

Begin applications of **MERIVON Fungicide** prior to onset of disease development but no later than 10% bloom stage. Use the shorter interval and/or the higher rate, where applicable, when disease pressure is high. Apply subsequent applications if disease persists or weather conditions are favourable for disease development.

### Ground Application

Apply **MERIVON Fungicide** at rates listed in the Application Rate Tables (crop specific) when conditions are favourable for the development of disease. Use a minimum water volume of 100 L/ha and ensure thorough coverage of foliage and fruit. Consult nozzle manufacturer's recommendation for spray pressures for specific nozzles.

### Product Specific Precautions

**DO NOT** apply using aerial application equipment.

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-877-371-BASF (2273) or obtain technical advice from the distributor or your provincial agricultural representative.

### 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) medium classification. 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.

### SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage.

The spray 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), 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:				Terrestrial Habitat:
			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	Blueberry (Highbush and Lowbush), Strawberry, Bulb Vegetables, Crop Group 3-07		10	2	1	1	1
	Cucurbit Vegetables - Crop Group 9, leafy vegetables (except Brassica vegetables) - Crop Group 4, root vegetables (except sugar beet) - Crop Group 1B		5	1	1	1	0
Airblast	Grape	Early growth stage	40	25	10	10	1
		Late growth stage	30	15	4	5	1
	Pome Fruit, Crop Group 11-09	Early growth stage	40	25	15	10	0
		Late growth stage	30	15	5	5	0
	Stone Fruit, Crop Group 12-09	Early growth stage	40	20	10	5	0
		Late growth stage	30	10	5	4	0



Method of Application	Crop		Spray Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat:
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
	Blueberry (Highbush and Lowbush)	Early growth stage	45	25	20	15	1
		Late growth stage	35	15	10	5	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray 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.

The spray 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.

## ENVIRONMENTAL PRECAUTIONS

Fluxapyroxad is persistent and may carryover. It is recommended that this product not be used in areas treated with any product containing fluxapyroxad during the previous season.

TOXIC to aquatic organisms, non-target terrestrial plants and small wild mammals. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **MERIVON Fungicide** contains a Group 7 (fluxapyroxad) and a Group 11 (pyraclostrobin) fungicides. Any fungal population may contain individuals naturally resistant to **MERIVON Fungicide** and other Group 7 and Group 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same locations. 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 fungicide resistance:

- Where possible, rotate the use of **MERIVON Fungicide** or other Group 7 or 11 fungicides with different groups that control the same pathogens. **DO NOT** apply more than two (2) sequential applications of **MERIVON Fungicide** (unless otherwise specified in the Crop Specific Directions) before alternating to a labeled fungicide with a different mode of action other than Group 7 and Group 11 for at least one application. Group 11-containing fungicide applications should be no more than 50% of the total number of fungicide applications per season, unless specified otherwise. **DO NOT** exceed the total number of applications of **MERIVON Fungicide** per year as stated in the Crop-Specific Recommendations.
- Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.
- Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify BASF Canada Inc. if reduced sensitivity of the pathogen to **MERIVON Fungicide** is suspected. If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact BASF Canada Inc. at 1-877-371-2273 or at [www.agsolutions.ca](http://www.agsolutions.ca).

## MIXING

Make sure each component is thoroughly mixed and suspended before adding the tank mix partner(s). Except when mixing products in PVA bags, maintain constant agitation during mixing and application.

1. **Water** - Fill a thoroughly clean sprayer tank 3/4 full of clean water and begin agitation.
2. **Inductor** - If an inductor is used, rinse it thoroughly after each component has been added.
3. **Products in PVA bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates including **MERIVON Fungicide**, or suspo-emulsions). Shake well before adding to the tank.
5. **Water-soluble products**

6. **Emulsifiable concentrates** (such as oil concentrates when applicable)
7. **Water-soluble additives** [such as ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable]
8. **Remaining quantity of water**
9. **Add required amount of adjuvant**
10. **Continue agitation** while filling the remainder of the spray tank
11. **Clean** the spray tank when spraying is completed.

## **RESTRICTIONS AND LIMITATIONS**

1. Do not graze or feed treated crops.
2. Crop Rotation Restrictions: All labelled crops may be planted immediately following the last application. Sugar beets, legume vegetables, cereals, oilseeds and peanuts may be planted 14 days after the last application. A plant-back interval of one year is required for all other crops.
3. **DO NOT** use in greenhouses.

## **PRECAUTIONS**

1. **KEEP OUT OF REACH OF CHILDREN.**
2. **DO NOT** take internally. Fatal or poisonous if swallowed.
3. **DO NOT** get in eyes. May irritate skin. Avoid contact with skin and clothing.
4. Harmful if inhaled. Avoid inhalation/breathing sprays.
5. Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking.
6. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.
7. Clean spray equipment thoroughly after use.
8. **DO NOT** contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
9. 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 inversions, application equipment and sprayer settings.
10. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing and loading. Gloves are not required during application within a closed cab.

11. When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

## **FIRST AID**

**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 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 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 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.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **TOXICOLOGICAL INFORMATION**

The patient should be treated symptomatically.

## **STORAGE**

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 Returnable Containers**

Do not reuse this container for any purpose. For disposal, this 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.

**For Non-Returnable containers**

Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements.

For information on the 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.