

2024-1378  
2024-06-04

GROUP	M02	FUNGICIDE
GROUP	UN	ACARICIDE

**MICROTHIOL<sup>®</sup> DISPERS<sup>®</sup>**  
**FUNGICIDE AND ACARICIDE**  
**MICRONIZED WETTABLE SULPHUR**

COMMERCIAL

ACTIVE INGREDIENT: Sulphur..... 80.0 %

REGISTRATION NO. 29487      PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN.  
READ THE LABEL BEFORE USING

NET CONTENTS: 2.5 - 25 kg

.UPL AgroSolutions Canada Inc.  
PO Box 12219  
Research Triangle Park, NC 27709  
1-800-438-6071

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**FIRST AID:**

**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.

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

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically.

**TRANSPORTATION EMERGENCY**

For Chemical Emergency: spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300

**PRECAUTIONS**

**HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

**CAUTION**

**KEEP OUT OF REACH OF CHILDREN.**

- Do not take internally. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust or spray mist.
- Avoid contact with skin, eyes, or clothing.
- Wash thoroughly after handling and before eating, drinking or smoking.
- Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.
- Clean spray equipment thoroughly after use.
- Do not contaminate domestic or irrigation water, lakes, streams, or ponds by the cleaning of equipment or the disposal of wastes.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Only protected handlers may be in the area during application.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below.

During application, clean-up and repair activities, workers must wear:

1. long-sleeved shirt and long pants
2. chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
3. rubber boots plus socks
4. goggles or a face shield
5. hat
6. NIOSH-approved respirator when applying in greenhouses.

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.

MICROTHIOL DISPERS is a water-soluble granular fungicide and acaricide that can be used effectively on a variety of crops. As MICROTHIOL DISPERS acts as a protectant fungicide, first application should be made prior to or at the first sign of disease. Applications of MICROTHIOL DISPERS after the onset of disease symptoms are less effective.

MICROTHIOL DISPERS is for the control of fungal diseases in apples, pears, and sour cherries; erineum mites in grapes; and certain fungal diseases in peas, greenhouse cucumbers, rust mites in apples, pears, peaches, nectarines, plums, sweet cherries, sour cherries, and grapes; two-spotted spider mites in hops; broad mites, spider mites, and tomato russet mites in greenhouse tomato, cucumber, and pepper; broad mites, rust mites and spider mites in greenhouse ornamentals; powdery mildew on peas and suppression of powdery mildew on haskap, and; *Entomosporium* leaf and berry spot on Saskatoon berries.

MICROTHIOL DISPERS will also control powdery mildew in field cucumbers, melons, squash, pumpkin, Crop Sub Group 13-07A (including blackberry, boysenberry, raspberry), eggplant (greenhouse), tomatoes (greenhouse), peppers (greenhouse), strawberries (field and greenhouse), field ornamentals (roses), and hops.

### **USER SAFETY RECOMMENDATIONS**

#### **User 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.

### **ENVIRONMENTAL PRECAUTIONS**

Do not apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), and estuarine/marine habitats. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposing of wastes.

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DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

### **APPLICATION INSTRUCTIONS**

**GROUND APPLICATION:** Apply through any type of handheld, knapsack, mechanical or pneumatic (air-assisted) spraying equipment.

**MIXING:** Pour the required amount of MICROTHIOL DISPERSS into the indicated amount of water while stirring. MICROTHIOL DISPERSS disperses instantly. Clean spray equipment thoroughly after use.

### **COMPATIBILITY**

Do not mix with dinitro compounds, tetradifon or oils. When there is a question of compatibility, use the jar compatibility test prior to tank mixing to determine if any flocculation, precipitation or un-usual settling occurs. If so, then do not proceed with tank mixing MICROTHIOL DISPERSS with the product(s).

### **DIRECTIONS FOR USE**

Some crops may be damaged by sulphur under certain climatic conditions, such as when temperature is high. UPL AgroSolutions Canada Inc. does not recommend application if temperature will exceed 27°C (in shade) and high humidity prevails within the three days following spraying, due to the risk of crop injury. Crops grown in greenhouses may be more sensitive to sulphur injury, so the lowest labeled rate should be tried initially. Do not use on any crop unless sulphur has been shown to be safe in your locality. Do not allow spray to drift onto sulphur-sensitive crops such as apricots, cranberries, spinach, d'Anjou pears, and sulphur-sensitive varieties of strawberries, melons and squash. Do not apply during periods of dead calm or when winds are gusty. Do not apply under intense sunshine. Do not apply when rain or night frost is expected. Crops are most sensitive during the flowering period. Treat when conditions are such that spray will dry on plants.

This product should not be applied more than 8 times per crop cycle for greenhouse crops or per year for crops grown outdoors.

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 S572.1) fine 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.

### **Use Precautions**

DO NOT apply air.

Spreader/stickers are not required for use with MICROTHIOL DISPERSS and may result in foliar injury, particularly under high temperatures. When growing crops for processing, consult the processor before applying sulphur.

#### SUPPLEMENTS

This product can be tank mixed with Ohm or Wave as post emergent applications for only crops registered on both this product label and those listed on Ohm or Wave labels.

UPL AgroSolutions Canada Inc has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

#### VEGETABLE CROPS

<b>Crop</b>	<b>Pest</b>	<b>Rate</b>	<b>Directions</b>
Peas	Powdery Mildew	1.5 kg/ha	Apply at first appearance of disease and repeat at 7-10 day intervals. Apply MICROTHIOL DISPERSS in a minimum of 100 L/ha . Higher water volumes may be required later in the growing season. Do not apply later than 1 day before harvest.
Cucumbers (greenhouse)	Powdery Mildew	120 g/100 L of water	Apply when disease first appears and repeat every 5 days. Apply MICROTHIOL DISPERSS in a maximum of 3700 L/ha. Do not apply later than 1 day before harvest.

Apply MICROTHIOL DISPERSS to grape and listed orchard crops in water volumes of up to 3000 L/ha. Water volume will vary according to size of crop and foliage cover required. Use the specified rate per 100 L water indicated in the table below using a sufficient water volume to thoroughly cover all foliage. Follow provincial recommendations for proper timing and water volumes.

#### FRUIT CROPS

<b>Crop</b>	<b>Pest</b>	<b>Rate</b>	<b>Directions</b>
Apples Pears	Powdery Mildew	750 g/100 L water (22.5 kg/ha)	Apply in regular protective schedule from green tip up and including first cover spray.
	Scab	400 to 500 g/100 L water (12 to 15 kg/ha)	Apply in later cover sprays, and adjust rate depending on mildew severity and temperature. Do not apply later than 1 day before harvest.

	Rust Mites	200 g/100 L water (6.0 kg/ha)	Apply in summer sprays. Do not apply later than 1 day before harvest.
Peaches and Nectarines	Brown Rot Leaf Spot Scab	750 g/100 L water (22.5 kg/ha)	Apply in pink, bloom, shuck and cover sprays. Apply just before picking and in between pickings if weather is wet. Apply at husk fall and repeat in 10 to 14 days.
	Powdery Mildew	375 to 400 g/100 L water (11.3 to 12 kg/ha)	Apply in pink, bloom, shuck and cover sprays. Apply just before picking and in between pickings if weather is wet. Apply at husk fall and repeat in 10 to 14 days.
Plums	Brown Rot	750 g/100 L water (22.5 kg/ha)	Apply in pink, bloom, shuck, cover and pre-harvest sprays. Apply just before picking and in between pickings if the weather is wet.
	Leaf Spot	750 g/100 L water (22.5 kg/ha)	Apply in pink, bloom, shuck, cover and pre-harvest sprays. Apply just before picking and in between pickings if the weather is wet.
Sweet Cherries	Brown Rot	750 g/100 L water (22.5 kg/ha)	Apply in a regular spray program from bloom stage until just before harvest. Do not apply later than 1 day before harvest.
Sour Cherries	Brown Rot	750 g/100 L water (22.5 kg/ha)	Apply at bloom stage only at the recommended rate. Do not apply later than 1 day before harvest
	Powdery Mildew	400 g/100 L water (12 kg/ha)	Apply in first, second and third cover sprays. Do not apply later than 1 day before harvest.
	Rust Mites	200 g/100 L water (6.0 kg/ha)	Apply in summer sprays. Do not apply later than 1 day before harvest.
Grapes	Powdery Mildew	420 g/100 L water (12.6 kg/ha)	Apply to Agawan, Seneca and Seibel varieties at first sign of mildew and repeat after 10 days.
	Grape erineum mite	3.4 kg/ha	Apply at pre-bloom immediately after the first evidence of erineum development and again at mid-season.
Thorough coverage is required. Note: Do not use on Concord, Foch, de Chaunac and Van Buren varieties, and other sulphur sensitive grape cultivars as injury can occur after bloom. Table grapes: Do not apply later than 1 day before harvest. Wine grapes: Do not apply later than 21 days before harvest			

#### SMALL FRUITS AND BERRIES

Crop	Pest	Rate	Directions
Saskatoon berry	<i>Entomosporium</i> leaf and berry spot	7.5 kg/ha	Apply at first flower bud break and at 10-to 14-day

			intervals while disease persists. Do not apply later than 1 day before harvest. Apply in 100 L water/ha by ground application, using a pressurized backpack sprayer.
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**NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS**

The DIRECTIONS FOR USE for this product for the use(s) described in this section of the label were developed by persons other than UPL AgroSolutions Canada Inc. under the User Requested Minor Use Label Expansion program. For these uses, UPL AgroSolutions Canada has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all experimental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

<b>Pest Controlled</b>	<b>Crop (Pathogen)</b>	<b>Rate (kg/ha)</b>	<b>Directions</b>
Control of powdery mildew	Sugar beets <i>(Erysiphe betae syn. Erysiphe polygoni)</i>	6.0	Apply when disease first appears and repeat applications on a 21-day interval if disease persists or if conditions are conducive to disease development. Do not apply later than 1 day before harvest. Apply in 200 to 1000 L of water/ha with ground application equipment. Maximum of 3 applications per year.
Suppression of powdery mildew	Haskap <i>(Erysiphe caprifoliacearum var. flexuosa (formerly Microsphaera caprifoliacearum var. flexuosa))</i>	3.0	Apply MICROTHIOL DISPERS in sufficient water to provide thorough coverage as a foliar spray using ground application equipment. Begin applications prior to the onset of disease or as soon as symptoms appear. Repeat at a 10-day interval. Apply a maximum of 8 applications per year. DO NOT apply within 1 day of harvest.
Control of powdery mildew	Hops <i>(Podosphaera macularis syn. Sphaerotheca macularis)</i>	5.0 – 6.72	Apply when disease first appears. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 5-10 days between applications. Do not apply later than 21 days before harvest. Apply in 187 to 561 L of water/ha with

			ground application equipment. Maximum of 8 applications per year.
Control of Two-spotted Spider Mite	Hops	2.24 – 6.72	Apply MICROTHIOL DISPERSS in sufficient water to provide thorough coverage as a foliar spray using ground application equipment. Begin applications at early leaf stage. Repeat at a minimum of 5-day intervals. Apply a maximum of 8 applications per year. DO NOT apply within 1 day of harvest.
Control of powdery mildew	Muskmelons and Squash (summer and winter squash types, including pumpkins) <sup>1</sup> <i>(Podosphaera xanthii</i> syn. <i>Sphaerotheca fuliginea</i> ) and <i>(Golovinomyces cichoracearum</i> syn. <i>Erysiphe cichoracearum</i> )	5.6 - 11.2	Apply when disease first appears. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 5 days between applications. Do not apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha with ground application equipment. Maximum of 8 applications per year. Do not apply during periods of high temperatures (27°C or greater). Do not use on sulphur-sensitive varieties.
Control of powdery mildew	Cucumbers (Field) <i>(Podosphaera xanthii</i> syn. <i>Sphaerotheca fuliginea</i> ) and <i>Golovinomyces cichoracearum</i> syn. <i>Erysiphe cichoracearum</i> )	2.24-4.48	Apply when disease first appears. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 5 days between applications. Do not apply more than 2.24 kg/ha per application during periods of high temperatures (27°C or greater). Do not apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha with ground application equipment. Maximum of 8 applications per year.
Control of broad mite, spider mites, and tomato russet mite	Cucumber (Greenhouse)	3.36 – 11.2	Apply MICROTHIOL DISPERSS in sufficient water to provide thorough coverage as a foliar spray. Begin applications at early leaf stage. Repeat at a 10- to 14-day interval. Apply a maximum of 8 applications per crop cycle. DO NOT apply within 1 day of harvest.
Control of powdery mildew	Crop Group 13-07A – Caneberries <sup>2</sup> <i>(Podosphaera macularis</i> syn.	6.72 – 16.8	Apply before first blossoms open. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 10 days between applications. Do not



	<p><i>Sphaerotheca macularis</i></p> <p>Blueberry (lowbush and highbush)</p> <p>(<i>Microsphaera vacinii</i>)</p> <p>Currant (red and black), gooseberry</p> <p>(<i>Podosphaera mors-uvae</i> syn. <i>Sphaerotheca mors-uvae</i>)</p>		<p>apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha with ground application equipment. Maximum of 8 applications per year.</p>
Control of powdery mildew	<p>Strawberries (Field and Greenhouse)</p> <p>(<i>Podosphaera macularis</i> syn. <i>Sphaerotheca macularis</i>)</p>	5.6 - 11.2	<p>Make the first application at an early stage of growth and prior to or at first sign of disease development. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 5 days between applications. Do not use on sulphur-sensitive varieties. Do not apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha using ground application equipment, including handheld, knapsack, mechanical or pneumatic sprayers. Do not apply using cold fogging equipment. Maximum of 8 applications per year.</p>
Control of powdery mildew	<p>Eggplant (Greenhouse)</p> <p>(<i>Leveillula taurica</i> and <i>Podosphaera xanthii</i>)</p>	4.48 – 6.72	<p>Apply when first true leaves appear. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 7 days between applications. Do not apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha using handheld, knapsack, mechanical or pneumatic spraying equipment. Do not apply using cold fogging equipment. Maximum of 8 applications per year.</p>
Control of powdery mildew	<p>Pepper (Greenhouse)</p> <p>(<i>Leveillula taurica</i> and <i>Podosphaera xanthii</i>)</p>	3.36 – 11.2	<p>Apply early in crop development and prior to or at first sign of disease. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 10-14 days between applications. Do not apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha using handheld, knapsack, mechanical or</p>

			pneumatic spraying equipment. Do not apply using cold fogging equipment. Maximum of 8 applications per year.
Control of broad mite, spider mites, and tomato russet mite	Pepper (Greenhouse)		Apply MICROTHIOL DISPERSS in sufficient water to provide thorough coverage as a foliar spray. Begin applications at early leaf stage. Repeat at a 10- to 14-day interval. Apply a maximum of 8 applications per crop cycle. DO NOT apply within 1 day of harvest.
Control of powdery mildew	Tomato (Greenhouse) <i>(Leveillula taurica, Erysiphe orontii, and Oidium neolycopersici (O. lycopersici))</i>	5.6 – 22.4	Apply at the first sign of disease. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 7-10 days between applications. Thorough coverage is required. Do not apply later than 1 day before harvest. Apply in 187 to 561 L of water/ha using handheld, knapsack, mechanical or pneumatic spraying equipment. Do not apply using cold fogging equipment. Maximum of 8 applications per year.
Control of broad mite, spider mites, and tomato russet mite	Tomato (Greenhouse)	3.36 – 11.2	Apply MICROTHIOL DISPERSS in sufficient water to provide thorough coverage as a foliar spray. Begin applications at early leaf stage. Repeat at a 10- to 14-day interval. Apply a maximum of 8 applications per crop cycle. DO NOT apply within 1 day of harvest.
Control of powdery mildew	Ornamentals (field) <sup>3</sup> , Roses <i>(Podosphaera spp., Erysiphe spp. and Oidium spp.)</i>	3.36 – 11.2	Apply when disease first appears. Repeat applications may be made if disease persists or if conditions are conducive to disease development allowing a minimum of 5-10 days between applications. Apply in 187 to 561 L of water/ha using handheld, knapsack, mechanical or pneumatic spraying equipment, e.g., airblast. Maximum of 8 applications per year.
Control of broad mite, rust mites and spider mites	Ornamentals (Greenhouse)		Apply MICROTHIOL DISPERSS in sufficient water to provide thorough coverage as a foliar spray. Begin applications at early leaf stage. Repeat at a 5- to 10-day interval. Apply a maximum of 8 applications per crop cycle.

<sup>1</sup>Complete list of crops: True melon (muskmelon) types: true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian

melon, pineapple melon, Santa Claus melon and snake melon. Summer squash types: crookneck squash, scallop squash, straightneck squash, vegetable marrow, and zucchini. Winter squash types: butternut squash, calabaza, hubbard squash, acorn squash, and spaghetti squash

<sup>2</sup>Complete list of crops: blackberry (includes Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids of these), loganberry, black raspberry, red raspberry, wild raspberry and cultivars and/or hybrids of these.

<sup>3</sup>Complete list of ornamental crops: alder, asters, azalea, buttonbush, catalpa, carnations, chrysanthemum, cosmos, crepe myrtle, dahlia, daisy, delphinium, dogwood, euonymus, gladiolus, golden fleece, hibiscus, honeysuckle, horse chestnut, hydrangea, lady’s mantle, ligustrum, lilac, linden, matrimony vine, phlox, poplar, rhododendron, sage, silver vine, smilax, spirea, stag horn, sumac, sunflowers, sweet peas, sycamore, trumpet vine, verbena, violets, willow, witch hazel, and zinnia.

### SPRAY BUFFER ZONES

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label or 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 freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop		Spray Buffer Zones Required for the Protection of Freshwater Habitats (metres):
Field sprayer	Tomatoes		2
	Melons and squash; Cucumbers; Strawberries; Eggplant; Peppers;		1
	Peas		0
Airblast	Hops	Early growth stage	1

		Late growth stage	1
	Crop Group 13-07A (Caneberries) and Crop Group 13-07B (Bushberries) Haskap	Early growth stage	4
		Late growth stage	2
	Ornamentals and Roses	Early growth stage	2
		Late growth stage	1
	Apple Berries, Saskatoon Cherry, sour Cherry, sweet Grape Peach Pear Plum		5

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 Spray Buffer Zone Calculator on the [canada.ca](http://canada.ca) website.

## DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. 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.

## RESISTANCE MANGEMENT RECOMMENDATIONS

For resistance management, please note that MICROTHIOL DISPERSS contains a Group M02 fungicide or a Group UN acaricide. Any fungal or mite population may contain individuals naturally resistant to MICROHIOL DISPERSS and other Group M02 fungicides or Group UN acaricides. A gradual or total loss of pest control may occur over time if these fungicides or acaricides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to the site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

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To delay fungicide and acaricide resistance:

- Where possible, rotate the use of MICROTHIOL DISPERSS or other Group M02 fungicides or Group UN acaricides with different groups that control the same pathogens.
- Use tank mixtures with fungicides or acaricides that is effective on the target pathogen from a different group when such use is permitted.
- Fungicide or acaricide 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 or mite development, disease or mite 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 or mite populations for resistance development. Notify UPL AgroSolutions Canada Inc. if reduced sensitivity of the pathogen or mite to MICROTHIOL DISPERSS is suspected.
- If disease or mite populations continue to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide or acaricide with a different target 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 or mites.
- For further information and to report suspected resistance, contact UPL AgroSolutions Canada Inc. at 1-800-438-6071.

#### **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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