

GROUP

BM02

FUNGICIDE

***Rhapsody*<sup>®</sup> *ASO*<sup>™</sup>**

An Aqueous Suspension Biofungicide

Live Organism

**COMMERCIAL**

**ACTIVE INGREDIENT:** QST 713 strain of *Bacillus subtilis*,  
contains a minimum of  $1 \times 10^9$  CFU/g

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL AND ATTACHED LEAFLET BEFORE USING**

**POTENTIAL SENSITIZER**

**REGISTRATION NO.: 28627 PEST CONTROL PRODUCTS ACT**

**NET CONTENTS: 3.87L, 3.78L, 9.46L, 511L, 1,000L**

Bayer CropScience Inc.  
Suite 200, 160 Quarry Park Blvd. S.E.  
Calgary, Alberta T2C 3G3

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

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

Date of Manufacture:

Made in Mexico

**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. 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/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.

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. DO NOT APPLY BY AIR. May cause sensitization. Avoid contact with eyes, skin or clothing. Avoid inhaling/breathing spray mist. Wear a long-sleeved shirt, long pants, waterproof gloves, socks and shoes and a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter when handling, mixing/loading or applying the product and during all clean-up and repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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.

**STORAGE:**

Rhapsody ASO should be used within 3 years from the date of manufacture when stored at room temperature. Store this product away from food or feed. Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use.

**DISPOSAL:**

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction 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.

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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.

For turf, lawn, sod, golf course and ornamental turf, apply only when the potential for drift to areas of non-target human habitation and human activity (other than golf courses) such as parks, school grounds, and playing fields is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

**ENVIRONMENTAL PRECAUTIONS:**

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 filter strip between the treated area and the edge of the water body.

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Rhapsody ASO should be used within 3 years from the date of manufacture when stored at room temperature. Store this product away from food or feed. Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use.

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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.

**GENERAL USE INFORMATION:**

Rhapsody ASO is a broad spectrum, preventative biofungicide for the suppression of many ornamental, crop, turf and lawn diseases. It may be applied as a foliar spray or in an alternating spray program with other registered crop protection products. Rhapsody ASO may be applied to greenhouse and outdoor ornamentals as a soil drench. For maximum effectiveness, apply Rhapsody ASO prior to or in the early stages of disease development. When conditions are conducive to heavy disease pressure, use Rhapsody ASO in a rotational program with other registered fungicides. Rhapsody ASO may be applied with ground application equipment.

**INTEGRATED PEST MANAGEMENT (IPM):**

For disease resistance management, Rhapsody ASO can be integrated into an overall disease and pest management strategy whenever fungicide use is necessary. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

**USE RATE DETERMINATION:**

Carefully read and follow all label directions, use rates and restrictions. Apply Rhapsody ASO prior to or in the early stages of disease development. Use maximum label rates and shortened spray intervals for conditions conducive to rapid disease development. For proper application, determine the area to be treated, the recommended label use rate and select appropriate application volume to give good canopy penetration and coverage of plant parts to be protected. Prepare only the amount of spray solution required to treat the measured area. Accurate spray equipment calibration is essential prior to use.

**DIRECTIONS FOR USE:**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower/treatment coordinator are responsible for considering all of these factors when making decisions. Where provinces/territories have more stringent regulations, they should be observed.

Use Restrictions: 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 wash water.

DO NOT apply in greenhouses unless otherwise specified in the crop-specific use directions.

DO NOT apply greenhouse processing water containing this product to field crops (food and feed).

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

DO NOT apply this product through any other type of irrigation system.

DO NOT apply when wind speed causes non-uniform distribution and/or favours drift beyond the area intended for treatment.

DO NOT apply by chemigation if the area to be treated is within 100 m of a residential area or park.

This product is not to be used around homes or other residential areas such as parks, school grounds, playing fields. It is not for use by homeowners or other unlicensed users.

DO NOT apply by aerial application equipment.

Restricted Entry Interval (REI): Spray applications – DO NOT allow worker entry into treated areas for 4 hours or until sprays have dried unless wearing waterproof gloves, long-sleeved shirt, long pants, socks and shoes. Drench applications – Entry to the treated area is not restricted following application.

Preharvest interval: Rhapsody ASO can be used up to and including the day of harvest. PHI=0 days.

GROUND APPLICATION: Be sure to maintain agitation during mixing and application to assure uniform product suspension. Thorough coverage of all foliage is essential for effective disease control. Rhapsody ASO can be applied in commonly used ground application equipment. To achieve good coverage, use the appropriate spray pressure, water volume, nozzles, nozzle spacing and ground speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

#### **MIXING INSTRUCTIONS:**

Rhapsody ASO must be diluted with water for spray application. Partially fill the spray tank with clean water and begin agitation. Add the specified amount of Rhapsody ASO to the tank. Finish filling the tank to the desired volume to obtain the proper spray concentration. It is critical that the spray solution be agitated during mixing and application to assure a uniform suspension. Do not allow spray mixture to stand overnight or for prolonged periods.

#### **DIRECTIONS FOR USE**

When applied with ground spray equipment as directed, Rhapsody ASO will suppress the following listed diseases on the following crops (including transplants) grown indoors, in greenhouses and nurseries. For maximum effectiveness, apply Rhapsody ASO prior to or during early stages of disease development. Apply the product until run-off.

Crop	Disease	Rate (litre/ 100 litres of water)	Application Instructions
<p><b>Crop Group 4 Crops (Leafy vegetables):</b></p> <p>Amaranth, arugula, celery, Chinese celery, celtuce, chervil, edible chrysanthemum, corn salad, cress, dandelion, dock, endive, fennel, lettuce, orach, parsley, purslane radicchio, spinach (all types), and swiss chard, including transplants.</p>	<p>Sclerotinia rot (<i>Sclerotinia sclerotiorum</i>, <i>Sclerotinia minor</i>)</p>	<p>1.0-2.0</p>	<p>Head and leaf drop: Apply as a directed spray with multiple nozzles to each seed line in sufficient water to ensure thorough coverage of lower plant leaves and surrounding soil surface within 7 days of thinning or transplanting. Repeat applications on 10-14 day intervals if conditions for disease development persist. Use higher rate and lower application intervals under conditions of moderate to high disease pressure.</p>
	<p>Grey mould (<i>Botrytis cinerea</i>)</p>	<p>1.0-2.0</p>	<p>For suppression, begin applications soon after emergence or transplant and continue as necessary on a 7 to 10 day interval. When environmental conditions in the greenhouse are conducive to rapid disease development, use Rhapsody ASO in a rotational program with other registered fungicides. Thorough coverage is essential.</p>
	<p>Powdery mildew (<i>Erysiphe cichoracearum</i>)</p>	<p>1.0-2.0</p>	<p>Begin applications when conditions are conducive to disease development. Repeat as necessary on a 7 to 10 day interval. Apply in sufficient water to ensure complete coverage of entire plant. For improved performance, use Rhapsody ASO in a rotational program with other registered fungicides.</p>
<p><b>Lettuce</b></p>	<p>Downy mildew (<i>Bremia lactucae</i>)</p>	<p>1.0-2.0</p>	<p>Begin application soon after emergence or transplant and when conditions in the greenhouse are conducive to disease development. Repeat as necessary on a 7 to 10 day interval.</p>
<p><b>Crop Group 5 (Cole Crops)</b></p> <p>Broccoli, Chinese broccoli, Broccoli raab, Brussels sprouts, cabbage (all types), cauliflower, cavalo</p>	<p>Pin rot (<i>Alternaria/Xanthomonas</i> complex)</p>	<p>1.0-2.0</p>	<p>For suppression, begin applications when environmental conditions in the greenhouse are conducive to rapid disease development and repeat as necessary on 7 to 10 day intervals. Thorough coverage is essential. For improved performance, use Rhapsody ASO</p>

broccoli, collards kale, kohlrabi, mizuna, mustard greens, mustard spinach, rape greens, including transplants.			in a rotational program with other registered fungicides.
	Powdery mildew ( <i>Leveillula taurica</i> ) Downy mildew ( <i>Peronospora parasitica</i> )	1.0-2.0	Begin application soon after emergence or transplant and when conditions in the greenhouse are conducive to disease development. Repeat as necessary on a 7 to 10 day interval.
<b>Crop Group 8: Fruiting vegetables</b> Eggplant, ground cherry, okra, pepino, peppers (all varieties), tomatillo and tomatoes, including transplants.	Bacterial blight ( <i>Pseudomonas syringae</i> ) Grey mould ( <i>Botrytis cinerea</i> )	1.0-2.0	Begin application when environmental conditions in the greenhouse are conducive to disease development. Repeat as necessary on a 7- to 10-day interval.
Pepper (bell pepper, chili pepper, pimento and sweet pepper) , including transplants	Bacterial spot ( <i>Xanthomonas campestris</i> ) Bacterial Speck ( <i>Pseudomonas syringae</i> pv. <i>Tomato</i> )	1.0-2.0	Begin application soon after emergence or transplant and when conditions in the greenhouse are conducive to disease development. Repeat as necessary on a 7 to 10 day interval.
<b>Crop Group 9 Crops (Cucurbits)</b> Cantaloupe, Chinese waxgourd, cucumber, gherkin, edible gourd, melon, Momordica spp, muskmelon, pumpkin, squash (all types), and watermelon, including transplants.	Gummy stem blight ( <i>Didymella bryoniae</i> ) Cercospora leaf spot ( <i>Cercospora citrullina</i> ) Downy Mildew ( <i>Pseudoperonospora cubensis</i> ) Powdery Mildew ( <i>Erysiphe</i> spp. <i>Sphaerotheca</i> spp.)	1.0 – 2.0	Begin applications soon after emergence or transplant when environmental conditions in the greenhouse and plant stage are conducive to rapid disease development. Repeat as necessary on 7 to 10 day intervals. Thorough coverage is essential. Rhapsody ASO can be rotated with other registered fungicides.
<b>Crop Group 19: Herbs and Spices</b> Anise, balm, basil, borage, chamomile, caraway, catnip, celery seed, chervil, chive, coriander, costmary, dill, fennel, fenugreek, horehound, juniper	Botrytis gray mould ( <i>Botrytis cinerea</i> ); White mould ( <i>Sclerotinia sclerotiorum</i> )	1.0 – 2.0	Begin application in the greenhouse when environmental conditions are conducive to disease development. Repeat as necessary on a 7- to 10-day interval.



berry, lavender, lemongrass, lovage, marigold, mustard (seed), nasturtium, parsley, rosemary, sage, savory, sweet bay, thyme, wintergreen, woodruff, and wormwood, including transplants			
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## WASABI (Greenhouse grown)

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Bayer CropScience Inc. under the User Requested Minor Use Label Expansion program. For these uses, Bayer CropScience Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental 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.

### FOLIAR APPLICATION

Crop	Disease	Rate (litre/100 litres of water)	Application Instructions
Wasabi (greenhouse grown)	Suppression of Powdery mildew <i>Erysiphe cruciferarum</i>	1.0 – 2.0	Begin foliar applications when conditions are conducive to disease development. Apply in sufficient water to ensure complete coverage of entire plant. For improved performance use Rhapsody ASO in a rotational program with other registered fungicides.  Repeat as necessary on a 7 to 10 day interval.

### DRENCH APPLICATION

Crop	Disease	Rate (litre/100 litres of water)	Application Instructions
Wasabi (greenhouse grown)	Suppression of Pythium root rot ( <i>Pythium dissotocum</i> , <i>P. intermedium</i> ) and Phytophthora crown and root rot ( <i>Phytophthora cryptogea</i> )	1.0 – 2.0	Apply finished mixture in a volume sufficient to thoroughly soak the growing media through to the root zone. Apply as a drench or directed spray using hand held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler irrigation systems. Begin applications during or after seeding, sticking of cuttings or after transplanting to propagation beds, containers, pots or trays. Optimal performance is obtained with preventative treatments repeated every 21 – 28 days throughout the growing cycle.

When applied with ground spray equipment as directed, Rhapsody ASO will suppress the following listed diseases on the following ornamental plants (including transplants) grown indoors, outdoors,

in greenhouses and nurseries. For maximum effectiveness, apply Rhapsody ASO prior to or during early stages of disease development. Apply the product until run-off.

<b>Disease</b>	<b>Crop</b>	<b>Rate (litre/ 100 litres of water)</b>	<b>Application Instructions</b>
Powdery mildew ( <i>Oidium</i> spp., <i>Erysiphe</i> spp., <i>Sphaerotheca</i> spp.)	Ornamentals	1.0 – 2.0	Apply on a 7 day schedule. Under high disease pressure, use higher rate or in a rotational program with other registered fungicides. Thorough coverage of plants is essential for effective disease control.
Botrytis blight ( <i>Botrytis cinerea</i> )	Ornamentals	1.0-2.0	
Leaf spot ( <i>Xanthomonas</i> spp.) ( <i>Xanthomonas campestris</i> pv. <i>pelargonii</i> )	Geranium Aglaonema	1.0-2.0	
Leaf spot ( <i>Pseudomonas delphinii</i> )	Delphinium	1.0	
Anthracnose ( <i>Colletotrichum acutatum</i> )	Leatherleaf fern	1.0-2.0	
Black spot ( <i>Marssonina rosae</i> )	Roses	1.0-2.0	

Rhapsody ASO may be applied to greenhouse and outdoor ornamentals as a soil drench. See the table below for application rates and instructions.

<b>Crop</b>	<b>Disease</b>	<b>Rate (litre/ 100 litres of water)</b>	<b>Application Instructions</b>
Ornamentals	Rhizoctonia ( <i>Rhizoctonia solani</i> )  Pythium <i>Pythium ultimum</i>  <i>Phytophthora</i>	1.0-2.0	Apply finished mixture at a rate to thoroughly soak the growing media through the root zone as a drench or directed spray using hand held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler irrigation systems. Begin applications during or after seeding, sticking of cuttings or after transplanting to propagation beds, containers, pots or trays. Optimal performance is obtained with preventative treatments repeated every 21 – 28 days throughout the growing cycle.

For turf, lawns, sod, golf courses (greens, tees, fairways and roughs), and ornamental turf, apply Rhapsody ASO in sufficient water to provide thorough coverage. See the table below for application rates and intervals.

<b>Crop</b>	<b>Disease</b>	<b>Rate (mL/ 100 square meter)</b>	<b>Application Instructions</b>
Turf, Sod, Lawns, Golf Course, (Fairways, Roughs Greens, Tees)  Bluegrass, Bentgrass, Fescue, Orchard grass, <i>Poa Annua</i> , Ryegrass	Brown patch <i>(Rhizoctonia solani)</i>  Dollar spot <i>(Sclerotinia            homoeocarpa)</i>  Anthracnose <i>(Colletotrichum            graminicola)</i>	125 ml to 250 ml/ 100 sq metres	Begin applications when conditions are conducive to disease development. Continue applications as necessary on 7 to 10 day intervals. Apply in sufficient water to provide thorough coverage, depending on the application equipment.  Under moderate to severe disease pressure, for improved performance, use higher rates and minimum spray intervals or use Rhapsody ASO in a program with other registered fungicides.

Rhapsody ASO is a registered trademark of Bayer.