

An effective resistance management tool for fungal- and bacterial-related diseases

Best uses

Rhapsody® ASO is a broad-spectrum, preventative biofungicide for the suppression of many greenhouse vegetable, greenhouse ornamental and outdoor ornamental fungal- and bacterial-related diseases.

Key strengths

Based on a naturally occurring patented strain of *Bacillus subtilis* (strain QST 713), Rhapsody is equipped with a combination of naturally occurring antifungal and antibacterial compounds. These compounds utilize multiple modes of action to destroy pathogens, making Rhapsody an effective resistance management tool. Rhapsody also triggers the plant's own defence mechanisms, producing an induced systemic response within the plant.

Preharvest interval

- Can be applied up to and including the day of harvest

Diseases controlled

- Rhapsody suppresses common fungal diseases such as powdery mildew, botrytis, anthracnose and leaf spots
- Rhapsody also suppresses bacterial diseases such as *Pseudomonas* spp., and *Xanthomonas* spp., as well as soil diseases Rhizoctonia, Pythium and Phytophthora

Benefits of applying Rhapsody

- Labelled for soil drench applications on greenhouse and outdoor ornamentals
- Proven efficacy against BOTH bacterial and fungal pathogens
- Performs on par with copper-based products without phytotoxicity
- Can be sprayed up to and on the day of harvest
- Controls disease using multi-site modes of action for resistance management
- Negligible risk to pollinators and beneficial insects
- 3-year shelf life
- Can be used for organic production – recognized by OMRI (Organic Materials Review Institute) Canada

* Refer to product label for detailed list of diseases and plant material that can be treated.



Active ingredient

QST 713 strain of dried
Bacillus subtilis



Group

BM (Biologic with multiple
modes of action)



Formulation

ASO (Aquious
Suspension Organic)



Packaging

9.46 L
1000 L Tote

Application tips

- For maximum effectiveness, apply prior to or in the early stages of disease development
- When conditions are conducive to heavy disease pressure, use in a rotational program or in conjunction with other registered fungicides
- Use maximum label rates and shortened spray intervals for conditions conducive to rapid disease development
- Apply in sufficient water volume to give good canopy penetration and coverage of plant parts to be protected
- The use of adjuvants or a spreader/sticker or wetting agent may help to improve canopy penetration and coverage
- Maintain a spray solution pH between 4.5 and 8.5
- Spray solution must be agitated during mixing and application to assure a uniform suspension. Do not allow spray mixture to stand overnight or for prolonged periods
- Rhapsody ASO may leave a noticeable residue on some dark coloured fruits (i.e., green or red peppers). Adequate spray coverage through proper nozzle selection and spray water volume, along with the use of spreader adjuvant may help to minimize this. It is advisable to treat a few plants prior to large-scale treatments to determine if the residue is acceptable.

Compatibility

Rhapsody remains in solution very well as it is an aqueous/liquid suspension. It is compatible with a wide range of pesticides, fertilizers and adjuvants, including many commonly used spreaders/stickers and organosilicone wetting agents. It is recommended a jar test be performed before tank-mixing with another product to ensure compatibility. A tolerance test should also be done on a few plants to test for phytotoxicity and residue when evaluating tank-mix combinations for the first time.

Environmental impact

All pesticides are regulated under the Pest Control Products Act to ensure they do not pose an unacceptable risk to human health and the environment. For information regarding the pesticide regulatory process, visit Health Canada's Pest Management Regulatory Agency website <https://www.canada.ca/en/health-canada/corporate/about-health-canada/branches-agencies/pest-management-regulatory-agency.html>

Darcy Olds

Key Accounts Manager, Greenhouse & Nursery – Canada
darcy.olds@envu.com 905-464-8399

envu[™] **Greenhouse
& Nursery**

ca.envu.com 1-800-331-2867

