

Label Update 25-FEB-2011 2011-1076

**JAZZ<sup>®</sup>**  
A Wettable Powder Biofungicide  
For Mushroom Production Use

**COMMERCIAL**

**GUARANTEE:** QST 713 strain of dried *Bacillus subtilis* .....14.6%  
Contains a minimum of  $7.3 \times 10^9$  CFU/g

**FOR EMERGENCY USE ONLY:** For Sale and Use in British Columbia for Suppression of Green Mould (*Trichoderma harzianum* = *Trichoderma aggressivum*, *Trichoderma* spp.) in Organic Mushroom Production from October 9, 2009 to October 8, 2010

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL BEFORE USING**

**POTENTIAL SKIN SENSITIZER**

**REGISTRATION NO.: 29458 PEST CONTROL PRODUCTS ACT**

**NET CONTENTS:**  
**2.26kg (5 lbs.)**

AgraQuest, Inc.  
1540 Drew Avenue  
Davis, California, USA 95618  
Phone: 1-800-962-8980  
www.agraquest.com

Can be Used for Organic Production

Date of Manufacture:

Made in Mexico

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** May cause sensitization. Avoid contact with eyes, skin or clothing. Avoid inhaling/breathing dusts. Wear a long-sleeved shirt, long pants, shoes plus socks, water-proof gloves and NIOSH approved respirator with any N-95, R-95, P-95 or HE filter for biological products when handling, and during all clean-up and repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**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.

**STORAGE AND DISPOSAL:**

To prevent contamination, store this product away from food or feed.

**STORAGE:** Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use. Maximum storage period of one year at temperatures up to 25°C.

**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 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.

**ENVIRONMENTAL HAZARDS**

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wash water.

**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. The user assumes the risk to persons or property that arises from any such use of this product.

**GENERAL USE INFORMATION:**

JAZZ is a preventative product for the suppression of Green Mould (*Trichoderma harzianum* = *Trichoderma aggressivum*, *Trichoderma* spp.) in mushroom production. Mix JAZZ with mushroom spawn grains, mushroom growing supplement or apply JAZZ as a drench alone to the surface of mushroom beds. When used as a drench, apply JAZZ with spray equipment commonly used for making ground applications and sprinkler/irrigation systems commonly used for chemigation in mushroom production. JAZZ can be used for organic production.

**INTEGRATED PEST MANAGEMENT (IPM):**

Integrate JAZZ into an overall disease and pest management strategy. 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:**

For all treatments, carefully read and follow all label directions, use rates and restrictions. For treatment of mushroom spawn grains and growing supplement, use maximum label rates when heavy disease development is anticipated. For drench applications, application of JAZZ prior to or in the early stages of disease development provides the best suppression of Green Mould. Use maximum label rates for conditions conducive to rapid disease development or when disease development is anticipated. For proper application, determine the number of square metres of bed surface to be treated and the label use rate. For drench applications, prepare only the amount of spray solution required to treat the measured square metres of bed surface. Accurate spray equipment calibration is essential prior to use.

**PREHARVEST INTERVAL:**

JAZZ can be applied up to and including the day of harvest.

**APPLICATION INSTRUCTIONS – Agricultural Use:**

**GROUND:** For treatment of mushroom spawn grains and growing supplement, be sure to completely mix JAZZ with gypsum, limestone or chalk according to Application Instructions and Dosages Table prior to mixing with mushroom spawn grains or growing supplement. Thorough mixture of the treated mushroom growing substrate is essential for effective disease suppression.

For drench applications, be sure to maintain agitation during mixing and application to assure uniform product suspension. Thorough coverage of beds is essential for effective disease suppression. JAZZ can be applied with commonly used ground equipment: hose-end, pressurized, greenhouse and hand-held sprayers. To achieve good coverage, use proper spray pressure, litres per square metres of bed surface, nozzles, nozzle spacing and ground

speed. Consult spray nozzle and accessory catalogues for specific information on proper equipment calibration.

### MIXING INSTRUCTIONS:

**MIXING:** For treatment of mushroom spawn grains and growing supplement, be sure to completely mix JAZZ with gypsum, limestone or chalk according to Application Instructions and Dosages Table prior to mixing with mushroom spawn grains or growing supplement. Thorough mixture of the treated mushroom growing substrate is essential for effective disease suppression.

For drench applications, JAZZ must be diluted with water. Partially fill the spray tank with clean water and begin agitation. Add the specified amount of JAZZ 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. Maintain a spray solution pH between 4.5 and 8.5.

### FOR USE AS A MIX WITH MUSHROOM SPAWN GRAINS OR MUSHROOM GROWING SUPPLEMENT AND AS A DRENCH FOR MUSHROOM GROWING BED

JAZZ has a 0-Day Pre-Harvest Interval for all crops contained on this label.

If higher disease pressure is anticipated, use higher dosage.

<b>Application Instructions and Dosages of JAZZ for Organic Mushroom Production</b>		
<b>Crop</b>	<b>Disease</b>	<b>Application Instructions and Dosage</b>
<b>Mushroom spawn grains</b>	<b>Green Mould</b> <i>Trichoderma harzianum</i> (= <i>Trichoderma aggressivum</i> ), <i>Trichoderma</i> spp.	For suppression of Green Mould in mushroom spawning media: Thoroughly mix 2.26 – 4.5 kg. of JAZZ with 36.28 – 45.3 kg. of gypsum, limestone or chalk. Use this mixture to coat spawn grains (approximately 907 kg) before mixing the spawn into the mushroom growing substrate. Apply treated spawn to 750 square metres of bed surface at spawning.
<b>Mushroom growing supplement</b>	<b>Green Mould</b> <i>Trichoderma harzianum</i> (= <i>Trichoderma aggressivum</i> ), <i>Trichoderma</i> spp.	For suppression of Green Mould in mushroom growing supplement: Thoroughly mix 2.26 – 4.5 kg of JAZZ with 36.28 – 45.3 kg. of gypsum, limestone or chalk. Use this mixture to coat supplement (approximately 100 kg.) before mixing the supplement into the mushroom growing substrate. Apply treated supplement to 750 square metres of bed surface at spawning.
<b>Mushroom growing beds</b>	<b>Green Mould</b> <i>Trichoderma harzianum</i> (= <i>Trichoderma</i>	For suppression of Green Mould on the surface of mushroom beds: Apply 2.26 – 4.5 kg JAZZ in 567.8 litres of irrigation water as a drench to 750 square metres of bed surface at casing before 1st flush,

	<i>aggressivum</i> ), <i>Trichoderma</i> spp.	between 1st and 2nd flush and/or between 2nd and 3rd flush according to disease pressure. Maintain adequate circulation in the irrigation tank.
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**Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-728-0014 or obtain technical advice from the distributor or your provincial agricultural or forestry representative.

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