

2018-4828

2018-10-22

**AGRIPHAGE – CMM**

Biological bactericide for the suppression of bacterial stem canker on greenhouse tomato

**Liquid**

**COMMERCIAL**

**GUARANTEE:**

**Bacteriophage** of *Clavibacter michiganensis* subsp. *michiganensis*  
forming units (PFU)/L

1.0 x 10<sup>12</sup> plaque

**REGISTRATION NO.: 30301 PEST CONTROL PRODUCTS ACT**

**KEEP OUT OF REACH OF CHILDREN**

READ THE LABEL BEFORE USING

**CAUTION**

POTENTIAL SENSITIZER

POTENTIAL SKIN AND EYE IRRITANT

OmniLytics, Inc.  
9075 South Sandy Parkway  
Sandy, Utah 84070  
801-746-3600  
[www.omnilytics.com](http://www.omnilytics.com)

**Net Contents:** 1L, 10L

**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.

**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 center 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. May cause sensitization. Avoid contact with eyes, skin or clothing. Avoid inhaling/breathing mists. 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. Do not enter or allow worker entry into areas where such activities are performed unless wearing appropriate personal protective equipment, including a long-sleeved shirt, long pants, shoes plus socks, and waterproof gloves until spray has dried. In addition, a NIOSH approved respirator with any N-95, R-95, P-95 or HE filter for biological products is required until spray mist has settled. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**STORAGE:**

To prevent contamination store this product away from food or feed. Store in a cool dry place at +4°C away from direct sunlight. Unopened product has a viable shelf-life of 1 year from the date of manufacture. Immediately close container and return to storage at +4°C after use. Use bottle within 30 days of opening.

**DISPOSAL:**

1. Triple-rinse or pressure rinse the empty container. Add 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 empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements
5. Dispose unwanted product in accordance with municipal or provincial regulations. 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.

**GENERAL USE INFORMATION:**

For suppression of bacterial stem canker on greenhouse tomato caused by *Clavibacter michiganensis* subsp. *michiganensis*

**COMPATIBILITY:** Do not combine AgriPhage-CMM in the spray tank with denaturing agents or copper salts.

**INTEGRATED PEST MANAGEMENT (IPM):**

Integrate AgriPhage-CMM into an overall 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.

**Directions for Use**

AgriPhage-CMM is a bactericide used as a preventive and curative product for the suppression of bacterial canker on greenhouse tomato caused by *Clavibacter michiganensis* subsp. *michiganensis*. AgriPhage-CMM may be applied as a foliar spray alone, in alternating spray programs or in tank mixes with other registered crop protection products. For maximum effectiveness, apply AgriPhage-CMM prior to or at the early onset of disease development or when conditions are conducive to heavy disease pressure.

Dilute AgriPhage-CMM at the following rates and frequencies. AgriPhage-CMM can be applied with conventional ground spray equipment, and hand-held sprayers. Thorough coverage and wetting of all foliage is essential for effective disease control.

**Seedling Treatment**

RATE	APPLICATION	INSTRUCTIONS
12ml of AgriPhage-CMM per 100 square meters greenhouse space.	Begin applications to seedlings, (at the 4 leaf stage), immediately after planting or grafting, prior to or at early stages of disease development	Apply treatments in 3-4 day intervals.  Use sufficient water to ensure complete coverage.

## Hydroponic Greenhouse Treatment

<b>RATE</b>	<b>APPLICATION</b>	<b>INSTRUCTIONS</b>
40ml of AgriPhage-CMM per 100 square meters greenhouse space.	Begin applications prior to or at early stages of disease development and continue throughout the growing season.	Apply treatments in 3-4 day intervals.  Use sufficient water to ensure complete coverage.

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

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes

The spray solution should be used within 24 hours of being prepared.

AgriPhage-CMM may be applied up to and including the day of harvest.