

2022-2154  
2022-06-27

# Bioprotec Fungicide and Bactericide Tomato and Vegetable Garden

Lacto-fermented liquid fungicide and bactericide

For suppression of powdery mildew on greenhouse cucumbers, squashes and pumpkins, and strawberries; downy mildew on greenhouse cucumbers and grapes (partial suppression); bacterial canker on tomatoes; and angular leaf spot on strawberries.

DOMESTIC

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

**ACTIVE INGREDIENT:**

Citric Acid..... 10.73 g/L  
Lactic Acid..... 21.37 g/L  
(present as fermentation products of *Lactobacillus casei* strain LPT-111)

WARNING: CONTAINS THE ALLERGEN MILK (whey protein)

**REGISTRATION NUMBER: 30457**  
**PEST CONTROL PRODUCTS ACT**

CAUTION – SKIN IRRITANT  
DANGER – EYE IRRITANT

NET CONTENTS : 200mL - 4L

Registered by:  
AEF Global inc.  
440, 3e avenue, suite 100  
Lévis, Qc, Canada G6W 5M6  
(418) 838-4441  
Toll free help-line: 1-866-622-3222  
[www.aefglobal.com](http://www.aefglobal.com)

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Batch #: 00-000-00

Expiration date: 00/00/00

## 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. .

## DIRECTIONS FOR USE

Shake well before use. Foliar treatment for crops listed below.

Crop	Disease	Rate/Concentration	Foliar spray volume	Interval of application
Field and Greenhouse Tomatoes	Bacterial canker ( <i>Clavibacter michiganensis</i> )	2.4% dilution in water solution	Apply until runoff	5 – 10 days
Greenhouse Cucumbers	Powdery mildew ( <i>Podosphaera xanthii</i> ; <i>Erysiphe cichoracearum</i> , syn. <i>Golovinomyces cichoracearum</i> )	8 or 12 % dilution in water solution	Apply until runoff	7 – 10 days
	Downy mildew ( <i>Pseudoperonospora cubensis</i> )	8% dilution in water solution	Apply until runoff	7 – 10 days
Strawberries	Powdery mildew ( <i>Sphaerotheca macularis</i> f.sp. <i>fragariae</i> )	8 or 12 % dilution in water solution	Apply until runoff	7 – 10 days
	Angular leaf spot ( <i>Xanthomonas fragariae</i> )	8 or 12 % dilution in water solution Note: Optimum performance may be observed with a pH of 6.0	Apply until runoff	5 – 10 days
Squashes/ Pumpkins	Powdery mildew ( <i>Podosphaera xanthii</i> )	8% dilution in water solution	Apply until runoff	7 – 10 days
Grapes	Partial suppression of downy mildew ( <i>Pseudoperonospora viticola</i> , Syn. <i>Plasmopara viticola</i> )	8% or 12% dilution in water solution	Apply until runoff	7 – 10 days

Under conditions of moderate to high disease pressure, use the higher rate and shorter application intervals. For maximum effectiveness, apply Bioprotec Fungicide and Bactericide Tomato and Vegetable Garden prior to, or at the early stages of disease development. Apply in sufficient volume to ensure full coverage for effective control. The mix must be applied using an appropriate household sprayer (e.g. hand-held or backpack sprayer). Make sure both leaf sides are treated.

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For each litre of foliar spray solution, mix the appropriate volumes of Bioprotec Fungicide and Bactericide Tomato and Vegetable Garden and water as follows:

<b>Final spray concentration</b>	<b>Bioprotec Fungicide and Bactericide Tomato and Vegetable Garden (mL)</b>	<b>+</b>	<b>Water ( mL)</b>
12 %	120	+	880
8 %	80	+	920
2.4%	24	+	976

Begin applications when conditions are conducive to disease development.

Avoid application to reactive metals such as aluminum, tin, iron, or items such as fencing or lawn furniture in order to prevent staining, mottling, or otherwise interfering with finished metal surfaces.

Note: Follow instructions for mixing and applying this product carefully as this product may cause injury to crops and other plants.

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 wastes.

DO NOT apply by air.

#### **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN. Prolonged skin contact may cause irritation. Direct ocular contact may cause irritation. Avoid contact with skin, eyes or clothing. Avoid breathing mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### **FIRST AID**

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**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.

**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 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.

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

#### **TOXICOLOGICAL INFORMATION**

Treat symptomatically

#### **ENVIRONMENTAL PRECAUTIONS**

This product may cause injury to other plants if not mixed and applied properly. Follow instructions for mixing and applying carefully.

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

#### **STORAGE**

Keep in a cool place, away from the sun rays. After extended storage, shake or stir the product thoroughly to assure a uniform suspension. Keep from freezing. Store in original container out of reach of children.

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<b>DISPOSAL/DECONTAMINATION</b>
DO NOT reuse the empty containers. Dispose in household garbage. Unused or partially used products should be disposed at provincially or municipally designated hazardous waste disposal sites
<b>PRODUCT USE INFORMATION</b>
1-866-622-3222
<b>WEB SITE</b>
<a href="http://www.aefglobal.com">www.aefglobal.com</a>