

PMRA Approved Label  
2021-3331  
2022-06-08  
Label correction made 2022-06-20

GROUP	NC	BACTERICIDE
-------	----	-------------

## **BLOSSOM PROTECT™**

**Biological bactericide for the control of fire blight in pome fruit (bearing) and for the suppression of fire blight in woody *Rosaceae* ornamentals.**

**COMMERCIAL  
WATER DISPERSIBLE GRANULE**

ACTIVE INGREDIENT: *Aureobasidium pullulans* DSM 14940 and DSM 14941  
5 x 10<sup>9</sup> CFU/g

**REGISTRATION NO.: 30552 PEST CONTROL PRODUCTS ACT**

**KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL BEFORE USING**

**CAUTION:  
POTENTIAL SENSITIZER**

**MANUFACTURER/REGISTRANT**  
bio-ferm GmbH  
Industriestraße 21  
3130 Herzogenburg, Austria

**DISTRIBUTOR**  
SAN Group Biotech USA, Inc.  
1260 Avenida Chelsea, Vista, CA  
92081 USA  
Phone: (800) 876-2767

**DELL TECH LABORATORIES LTD.**  
1331 HYDE PARK RD, UNIT 3  
LONDON ON N6H 5M5  
519-858-5024

Net Contents: 1.5 kg  
Date of Manufacture:

**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 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.

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** May cause sensitization. Avoid contact with eyes, skin or clothing. Avoid inhaling/breathing dusts or 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/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.

#### **ENVIRONMENTAL PRECAUTIONS:**

To reduce runoff from treated areas into aquatic habitats avoid application to areas with moderate to steep slope, compacted soil or clay.

Contamination of aquatic areas as result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

#### **STORAGE:**

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. Maximum storage period of 18 months at room temperature (20°C) or 30 months at cool storage (8°C) from date of manufacture.

#### **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. Dispose unwanted product in accordance with municipal or provincial regulations. 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.

#### **DIRECTIONS FOR USE**

DO NOT apply by air.

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.

**Restricted-Entry Interval (REI):** 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.

#### **Preparation of spray mixture:**

The pH of the spraying suspension shall be adjusted using a buffering agent (BUFFER

PROTECT NT™).

Prepare 0.6% (w/v) BUFFER PROTECT NT™ in water, then add BLOSSOM PROTECT™ at a rate of 0.15% (w/v). The package contents for BUFFER PROTECT NT™ (6 kg) and BLOSSOM PROTECT™ (1.5 kg) are premeasured for 1000 L spray suspension and calculated to treat 1 ha if trees have 2 m canopy height.

1. Clean the tank before using.
2. Do not prepare highly concentrated premixtures such as thick slurries. (Low volume applications are possible with the appropriate sprayer, also following the instructions below).
3. Add the full water amount to the tank. Do not use hot water.
4. When adding BUFFER PROTECT NT™, add the buffer slowly or step-wise to the water while constantly agitating.

Note that the spray volume must be sufficient to allow dissolving of the buffer (typical low volume applications e.g. 90 L/ha and higher volumes are suitable for BUFFER PROTECT NT™).

5. Add BLOSSOM PROTECT™ to the water slowly or step-wise while constantly agitating.

Apply the spray mixture while maintaining agitation. Use spray suspension within 8 hours. Do not leave unsprayed suspension in the tank.

Thorough and even coverage of blossoms is crucial.

#### **Application Rate Table**

The application rate must be adapted to the effective canopy height.

<b>Crop</b>	<b>Disease</b>	<b>Application Rate (L spray mixture/ha)</b>	<b>Remarks</b>
<b>Crop Group 11-09, Pome fruit (Bearing):</b> apple, azarole, crabapple, mayhaw, medlar, pear, Asian pear, quince, Chinese quince, Japanese quince, tejocote and cultivars, varieties and/or hybrids of these commodities.	Control of fire blight ( <i>Erwinia amylovora</i> )	1 m canopy height: 500 L/ha  2 m canopy height: 1000 L/ha	Spray mixture contains 0.6% (w/v) BUFFER PROTECT NT™ (citric acid buffer) and 0.15% (w/v) BLOSSOM PROTECT™ (active ingredients).  For the use on ornamentals, adapt the application rate accordingly.
<b>Woody Rosaceae ornamentals</b>	Suppression of fire blight ( <i>Erwinia amylovora</i> )		

#### **Timing of application:**

According to phenology: apply up to 4 times at 10%, 40%, 70% and 90% open blossoms (BBCH 61-69).

According to a forecast system (e.g. Maryblyt, RIMPRO): Apply a maximum number of 5 times when models indicate risk for infection.

Application preferably in the evening. The suspension should be stirred during application.

**COMPATIBILITY:**

The active ingredient, *Aureobasidium pullulans*, is sensitive to fungicides. The sequential application of fungicides, both before and after, may be detrimental to Blossom Protect. Do not apply copper products for 2 days before or after Blossom Protect application. For product compatibility information, contact SAN Group Biotech USA, Inc.

**INTEGRATED PEST MANAGEMENT (IPM):**

Integrate BLOSSOM PROTECT™ into an overall pest management strategy. Follow practices known to reduce disease development. Observe forecast system. A sufficient reduction of fire blight is not expected in all cases. Therefore, if necessary, monitor the infestation and do pruning. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

FRAC Code: NC (not classified)

**CROP TOLERANCE:**

Enhanced russeting of fruits from sensitive apple and pear varieties is possible.

Not all ornamental plant species belonging to the Rosaceae family have been tested for tolerance to BLOSSOM PROTECT™. Users should test the product on a small portion of the plant before applying to the entire crop if crop tolerance is a concern for these plants.

**PREHARVEST INTERVAL:**

Not applicable