

2024-1909  
2024-06-05

GROUP

44

FUNGICIDE

## **AmyProtec 42®**

### **Microbial Fungicide**

Live Organism  
Suspension

For partial suppression of common scab in potato and basal bulb rot in garlic

COMMERCIAL

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

ACTIVE INGREDIENT: *Bacillus amyloliquefaciens* strain FZB42 minimum of  $2.5 \times 10^{10}$   
spores/mL

CAUTION – EYE IRRITANT  
POTENTIAL SENSITIZER

**REGISTRATION NO: 33815 PEST CONTROL PRODUCTS ACT**

Net Contents: 0.5-1000 L



12 Fairway Drive

Hanwell, New Brunswick, E3C 0M2

Canada

Tel: 1-506-444-5690

Batch Number:

Date of Manufacture:

**PRECAUTIONS:**

**KEEP OUT OF REACH OF CHILDREN.** Potential sensitizer. May cause eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wear waterproof gloves, long-sleeved shirt, long pants, shoes plus socks, eye goggles and a NIOSH approved mist filtering mask or respirator with any N-95, P-95 or R-95 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 when the potential for drift to area of human habitation or areas of 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 setting.

**RESTRICTED ENTRY INTERVAL (REI):**

DO NOT enter or allow worker entry into treated areas for 4 hours or until sprays have settled, unless wearing waterproof gloves, long-sleeved shirt, long pants and socks with shoes and a NIOSH approved mist filtering mask or respirator with any N-95, P-95 or R-95 filter.

**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.

**GENERAL** – Seek medical attention immediately if irritation or signs of toxicity occur and persist or are severe. Take container, label or product name and Pest Control Product Registration Number with you, when seeking medical attention.

**TOXICOLOGICAL INFORMATION**

Treat symptomatically.

**GENERAL INFORMATION:**

AmyProtec 42 is a biological product containing spores of the naturally-occurring soil bacterium, *Bacillus amyloliquefaciens* strain FZB42, for preventive use against certain soil-borne diseases on listed crops. AmyProtec 42 aids in the control of soil-borne diseases. This action is most efficient if a first application is made as early as possible during root and plant development. Apply AmyProtec 42 as part of an integrated disease management strategy.

**Read and understand the entire label before opening this product. If you have questions call the supplier at 1-506-444-5690 or obtain technical advice from the distributor or your provincial agricultural representative.**

**Application Rate Table**

Crop	Disease	Application Rate	Comments
Potato	Common scab ( <i>Streptomyces scabies</i> ) (Partial suppression)	1.0 L/ha (in-furrow spray)	Apply as an in-furrow spray at seeding.
		230 mL/100 kg seed (seed treatment)	Spray on seed pieces, mix well and allow to dry prior to sowing. Minimize the period between treatment and planting.
Garlic	Basal bulb rot ( <i>Fusarium oxysporum</i> ) (Partial suppression)	0.4 mL/L (soil drench)	Apply as a soil drench at planting.

**DIRECTIONS FOR USE:**

Always dilute AmyProtec 42 with water prior to use. The product is only active if adequate soil moisture is present and the temperature is above 12°C.

**DRENCH APPLICATION:** Add 0.4 mL of AmyProtec 42 in every 1 L of water and apply to transplants. Use 10,000-30,000 litres of suspension per hectare for uniform wetting of soil and root zone. Adjust the amount of water for the specific conditions.

**IN-FURROW APPLICATION:** Use common mechanical or motorized equipment for ground application or apply with a hand-held sprayer on smaller plots. Ensure that spray nozzle size is at least 60 mesh (0.025 cm). After spraying the treated area, irrigate well to soak the product into the root zone.

**SEED PIECE APPLICATION:** Shake well prior to application. Use 230 mL of AmyProtec 42 per 100 kg seed. If better coverage is required, dilute AmyProtec 42 with 1-3 L of water prior to application. Spray on seed pieces, mix well, and allow to dry prior to sowing. Apply with commonly used methods and equipment. Seed pieces can be treated directly in the seed tank. Minimize the period between treatment and planting.

SHAKE or STIR mixture frequently before or during use to avoid settling out of the product.

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 using aerial application equipment.

**ENVIRONMENTAL PRECAUTIONS:**

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate 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:** Store the product away from food and feed. This product should be used within 12 months from the date of manufacture when stored at 25°C.

**DISPOSAL:**

For non-recyclable containers:

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.

For recyclable containers:

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For returnable containers:

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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.

**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 a control product in a way that is inconsistent with the directions on the label.