U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	**Date of Issuance:**
69553-9	7/2/2019

Term of Issuance:
Unconditional

Name of Pesticide Product:
AmyProtec 42

Name and Address of Registrant (include ZIP Code):

Andermatt Biocontrol AG
Stahlermatten 6
CH-6146 Grossdietwil
Switzerland

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution Prevention Division (7511P)
Office of Pesticide Programs

Date:
7/2/2019

EPA Form 8570-6

2. Make the following labeling change before you release this product for shipment:

    - Revise the EPA Registration Number to read, "EPA Reg. No. 69553-9."

3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 06/26/2019

Any CSFs other than that listed above are superseded.

If you have any questions, please contact Susanne Cerrelli by phone at (703) 308-8077 or via email at cerrelli.susanne@epa.gov.

Sincerely,

Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

AmyProtec® 42

Biological soil fungicide and bactericide for preventive use against listed soil-borne diseases and for enhanced root development

Sublabel A: Agricultural Use
Sublabel B: Residential Use

Active Ingredient:	
Bacillus amyloliquefaciens subspecies *plantarum* strain FZB42*	50.00%
Other Ingredients:	50.00%
Total:	100.00%

* Contains a minimum of 2.5 × 10^{10} CFU/mL of product.

KEEP OUT OF REACH OF CHILDREN
CAUTION

Store at room temperatures below 77°F

Shake well before use!

Origin of product: Germany

ACCEPTED
07/02/2019
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 69553-9

EPA Reg. No. 69553-O
EPA Est. No.

Manufactured for: Andermatt Biocontrol AG
Stahlermatten 6
CH-6146 Grossdietwil
Switzerland

Distributed by: Andermatt USA Corp.
107 Gilbreth Parkway
Mullica Hill
New Jersey 08062, USA
302-724-6888
contact@andermattUSA.com

Andermatt USA

Andermatt Biocontrol where Nature leads Innovation

www.andermattusa.com

SUBLABEL A: Agricultural Use

AmyProtec® 42

FOR ORGANIC PRODUCTION

Active Ingredient:

Bacillus amyloliquefaciens subspecies *plantarum* strain FZB42*	50.00%
Other Ingredients:	50.00%
Total:	100.00%

*Contains a minimum of 2.5×10^{10} CFU/mL of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside/side panel for Precautionary Statements and First Aid.

Store at room temperatures below 77°F

Shake well before use!

OMRI LISTED For Organic Use

EPA Reg. No. 69553-O

EPA Est. No.

Origin of product: Germany

Manufactured for: Andermatt Biocontrol AG
Stahlermatten 6
CH-6146 Grossdietwil
Switzerland

Distributed by: Andermatt USA Corp.
107 Gilbreth Parkway
Mullica Hill
New Jersey 08062, USA
302-724-6888
contact@andermattUSA.com

Andermatt USA

Net Contents:

Lot No.:

Andermatt Biocontrol where Nature leads Innovation

www.andermattusa.com

FIRST AID	
If swallowed:	• Call a poison control center 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 center or doctor. • Do not give anything by mouth to an unconscious person.
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 center or doctor for treatment advice.
HOTLINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on this product, contact the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 a.m. to 12 p.m. Pacific Time, or at http://npic.orst.edu. For medical emergencies, call your poison control center at 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)
- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply this product or allow it to drift to blooming crops or weeds while honey bees are actively foraging in the treatment area. For maximum honey bee protection, avoid early morning and late afternoon applications.

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Physical or Chemical Hazards

For spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

EXCEPTION: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water) is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

PRODUCT INFORMATION

AMYPROTEC 42 is a biological product containing spores of a soil bacterium for preventive use against the listed soil-borne diseases on many crops. AMYPROTEC 42 enhances root development and plant vigor by suppressing the listed soil-borne diseases. The suppressive action is most efficient if the first application is made as early as possible during root and plant development.

AMYPROTEC 42 can be applied as part of an integrated disease management strategy and can be applied together or alternated with most other fungicides or bactericides. AMYPROTEC 42 mixes easily with most agrochemical and plant nutrition products. Depending on disease pressure and site-specific conditions, adjust the application rate and application interval. There is no pre-harvest interval (PHI) for AMYPROTEC 42.

MIXING AND APPLICATION INSTRUCTIONS

Always dilute AMYPROTEC 42 with the appropriate amount of water prior to use. Sufficient soil moisture and soil temperature above 50°F (10°C) is needed for efficient root colonization. The application rate used depends on disease pressure and local conditions (e.g., soil structure and climatic factors). Do not exceed the labeled application rate.

MIXING INSTRUCTIONS

Fill mixing tank with needed quantity of clean water to achieve desired coverage. Shake well before use and stir the required quantity of AMYPROTEC 42 into the water in the mixing tank. Add AMYPROTEC 42 last if combining with other agrochemicals or plant nutrition products. Agitate the tank mix before and during application to ensure uniform suspension. Apply the suspension within 8 hours of mixing, and ensure the pH remains between 5 and 8.5. **Ensure an adequate amount of water is used to allow AMYPROTEC 42 to reach the plants' roots.**

Compatibility: AMYPROTEC 42 can be mixed with other agrochemicals and plant nutrition products. As not all mixtures have been tested, conduct tests for physical compatibility when you plan to mix AMYPROTEC 42 with other products. To determine the physical compatibility of AMYPROTEC 42 with other products, conduct a jar test. Using a one-quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow the mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the mixing tank. Follow the most restrictive labeling requirements of all tank-mix partners. Do not tank mix AMYPROTEC 42 with products whose labels prohibit tank mixing. Do not store tank mixes for more than 8 hours, and ensure the pH remains between 5 and 8.5.

APPLICATION METHODS

For Chemigation Applications: See the “Chemigation” section of this label for more information.

For Hydroponic Applications: For optimum results, make the initial application of AMYPROTEC 42 during seedling production (see instructions below under “For Drench Applications”).

Add 2.5 fl. oz. of AMYPROTEC 42 per 100 gallons of water to reach a nutrient suspension with a concentration of 0.02% and apply as soon as possible after planting.

Thoroughly clean the supply tank or metering unit before use. Depending on your system, calculate the required amount of product per nutrient solution (according to water volume). Add the required amount of AMYPROTEC 42 to the system. To optimize the dose, use a suitable metering unit, e.g., Dosatron.

Depending on disease pressure, repeat applications at 4- to 6-week intervals after planting.

For Drench Applications: Add 0.5 fl. oz. of AMYPROTEC 42 to 10 gallons of water to reach a nutrient suspension with a concentration of 0.04%. Apply suspension to transplants or cuttings. Use 3 to 9.5 fl. oz. of suspension per 1 sq. ft. of seedling tray or soil for uniform wetting of the soil and root zone. Adjust the amount of water for the specific conditions. Seedlings can also be drenched in seedling boxes before planting.

For optimum results, make the initial application of AMYPROTEC 42 during seedling production.

For Spray Applications: Apply 7 to 28 fl. oz. of AMYPROTEC 42 per acre in a minimum of 1.4 to 5.5 gallons of water, respectively. Do not exceed concentration of 4% of product in the spray tank. Use common mechanical or motorized equipment for ground applications or apply with a hand-held sprayer on smaller plots, avoiding

drift and directing the nozzle towards the root zone. Ensure that the spray nozzle size is at least 60 mesh (0.0098 inches). After spraying the treated area, irrigate well to soak the product into the root zone. Do not use aerial application to apply this product.

For Soil and Soil-Substrate Mix Applications: AMYPROTEC 42 can be applied directly to soil or mixed with soils and other substrates. Mix at a rate of 0.5 fl. oz. of AMYPROTEC 42 to 10 gallons of water (0.04% of product), and spray 3 fl. oz. of suspension per 1 sq. ft. of soil or soil-substrate surface. Assure a uniform distribution of AMYPROTEC 42 through consistent agitation of suspension.

Combination with Fertilizers, Fungicides, and Insecticides: AMYPROTEC 42 can be mixed with or incorporated into fertilizers, fungicides, and insecticides or included in seed coatings.

To avoid inactivation of AMYPROTEC 42, any sterilization processes involving exposure to high temperatures must be performed before AMYPROTEC 42 is added to the fertilizer, fungicide, insecticide, or seed coating components. After mixing, the product must be kept sheltered (protected from rain and direct sunlight) and in closed packaging until use.

For Seed Treatment: Seed treatment may be made for the types of crop seeds listed below. Shake well before use, and dilute depending on seed size: 0.75 to 3.75 fl. oz. of AMYPROTEC 42 with 8 to 24 fl. oz. of water per 50 lbs. of seed. For small seeds (e.g., canola), apply 3.75 fl. oz. of AMYPROTEC 42 per 50 lbs. of seed. For large seeds (e.g., wheat and corn), apply 0.75 fl. oz. of AMYPROTEC 42 per 50 lbs. of seed. Spray suspension on seeds, mix well, and allow to dry before sowing. Coarse-grained seeds quickly absorb the moisture and do not need to be dried. Apply with commonly used seed treatment methods and equipment. Seeds can also be treated directly in the seed tank.

Do not use treated seed for food or feed purposes or process for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting.

Directions for soil, bulb, tuber, and seed treatments on selected field crops

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
***Brassica* (Cole) Leafy Vegetables such as:** Broccoli Cabbage Cauliflower Brussels Sprouts	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 2 additional applications. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
***Cucurbit Vegetables such as:** Cantaloupe Honeydew Melon Cucumber Squash Watermelon	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-28 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 2 additional applications before flowering or after harvest if crops are on the field or an additional cropping season is intended. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Fruiting Vegetables such as: Tomato Pepper Eggplant	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-28 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 2 additional applications before flowering or after harvest if crops are on the field or an additional cropping season is intended. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Legume Vegetables such as: Bean Soybean Pea Chickpea Lentil **Peanut** **Nongrass Animal Feeds such as:** Alfalfa	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 1 additional application before flowering or after cutting. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Leafy Vegetables (Except *Brassica* Vegetables) such as: Lettuce Celery Endive Radicchio Spinach	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) 3 to 4 weeks after planting. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.
***Oilseeds such as:** Canola Sunflower	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	0.75-3.75 fl. oz./50 lbs. of seed	See “For Seed Treatment” section for details.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
***Oilseeds such as:** Canola Sunflower	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 1 additional application before flowering. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.
Cereal Grains such as: Wheat Corn Rice	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	0.75 fl. oz./50 lbs. of seed	See “For Seed Treatment” section for details.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Cereal Grains such as: Wheat Corn Rice	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 1 additional application before the reproductive stage. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Root and Tuber Vegetables such as: Carrot Sweet Potato Beet Sugar Beet Horseradish Radish Turnip Potato	*Rhizoctonia* Common Scab (*Streptomyces scabies*) *Phytophthora* *Fusarium* *Sclerotinia* *Verticillium* *Erwinia*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. Preferably, applications at planting will be done via in-furrow spray. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.
		See “Directions” Column Immediately to the Right	**Tuber Vegetables** Treat the seed tubers by spraying 0.3 fl. oz. of AMYPROTEC 42 with 6.5 fl. oz. of water per 100 lbs. of seed tubers with hand-held, mechanical, or motorized spray equipment prior to planting. Alternatively, soak the seed tubers in a solution (0.25 fl. oz. of AMYPROTEC 42/gallon of water) for 20-30 minutes. Air dry tubers before planting. Sites historically known for high disease pressure or with favorable conditions for disease development during plant emergence may need to be treated before row closure. Use the maximum of the listed application rate above (7-14 fl. oz. of AMYPROTEC 42/A), when needed.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
***Bulb Vegetables such as:** Garlic Onion Shallot	*Phoma* *Rhizoctonia* *Fusarium*	7-28 fl. oz./A	Prior to planting, soak bulbs in a solution of 0.25 fl. oz. of AMYPROTEC 42 per gallon of water for 20-30 minutes or treat by spraying 6 fl. oz. of AMYPROTEC 42 per gallon of water per 2,000 lbs. of bulbs with hand-held, mechanical, or motorized spray equipment. Alternatively, apply AMYPROTEC 42 via drench to seedlings at planting or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation, use the maximum listed application rate and reapply by soil-directed chemigation or basal-spraying (i.e., soil-directed spray to the stem of the plant) at 4-week intervals. When treated by spray application, irrigate site well to soak the product into the root zone.
***Herbs such as:** Parsley Basil Oregano Thyme	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. Preferably, applications at planting will be done via in-furrow spray. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the maximum listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) after each cutting or at minimum twice per season after planting in intervals of around 8 weeks.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Berries and Small Fruit such as: Strawberry Raspberry	*Verticillium* *Phytophthora* *Fusarium* *Rhizoctonia*	14 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to planting, at planting, or immediately after planting with an in-furrow soil spray, overhead sprinkler, or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. At sites with high soil disease infestation (e.g., *Rhizoctonia* or *Fusarium*) in the past, use the listed application rate and reapply by soil-directed chemigation or basal spraying (i.e., soil-directed spray to the stem of the plant) at 4- to 8-week intervals or make, at minimum, 2 additional applications before flowering or after harvest if crops are on the field or an additional cropping season is intended. When treated by spray application, irrigate site well to soak the product into the root zone. For optimum results, make the initial application of AMYPROTEC 42 during seedling production.
Ornamental Plants	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-28 fl. oz./A	Apply AMYPROTEC 42 via drench to seedlings prior to seeding or planting, at planting, or immediately after planting with an overhead sprinkler or drip irrigation (see specifications under “For Drench Applications” and “Chemigation”). Maintain a uniform wetting of the soil and root zone. Reapply every 21 days. Depending on disease pressure, apply together or alternate with other soil fungicides.

Crops	Diseases	Application Rates for AMYPROTEC 42 (Except Drench Applications)	Directions
Turf	*Rhizoctonia* *Fusarium* *Sclerotinia* *Verticillium* *Phytophthora*	7-14 fl. oz./A	Apply AMYPROTEC 42 via chemigation or spraying on the seedbed. Maintain a uniform wetting of the soil and root zone and, when treated by spray application, irrigate site well to soak the product into the root zone. Reapply by chemigation at 4- to 8-week intervals during the season.

*Not for use on these crops in California

CHEMIGATION

Instructions for All Chemigation Types: Thoroughly clean the supply tank or metering unit before use.

Test physical compatibility and crop susceptibility, if combining with other agrochemicals or plant nutrition products. Read product precautions and directions of all ingredients.

Fill the supply tank approximately halfway with water and add the required amount of AMYPROTEC 42. Continuous agitation of the supply tank before and during chemigation is required. AMYPROTEC 42 may be applied continuously during the water application.

Apply AMYPROTEC 42 only through overhead sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand move; flood (basin), furrow, and border; or drip (trickle) (buried or surface placed) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water (e.g., the product has not been adequately mixed and/or applied with equipment that has not been properly calibrated).

If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Instructions for Chemigation Systems Connected to Public Water Systems:

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

4. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. The system must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Instructions for Sprinkler Chemigation:

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. The system must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Instructions for Flood (Basin), Furrow, and Border Chemigation:

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.
2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. The system must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Instructions for Drip (Trickle) Chemigation:

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. The system must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Instructions for Chemigation Done Using Center Pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment:

1. Use only with electric or oil hydraulic drive systems that provide a uniform water distribution.
2. Determine size of the area to be treated.
3. Determine the time required to apply no more than 1/4 inch of water (6,750 gallons water per acre) over the area to be treated when the system and injection equipment are operated at normal pressures specified by the equipment manufacturer. Run system at 80% to 95% of manufacturer's rated capacity.
4. Using only water, determine the injection pump output when operated at normal line pressure.
5. Determine the amount of AMYPROTEC 42 required to treat the area.
6. Add the required amount of AMYPROTEC 42 and sufficient water to meet the injection time requirements of the solution tank.
7. Maintain constant solution tank agitation during the injection period.
8. Stop injection equipment after treatment is completed. Continue to operate the system until AMYPROTEC 42 solution has cleared the last sprinkler head.

Instructions for Chemigation Done Using Solid Set, Side (Wheel) Roll, and Hand Move Irrigation Equipment**:**

1. Determine acreage covered by the sprinkler.
2. Fill injector solution tank with water and adjust flow rate to use contents over a 10- to 30-minute interval.
3. Determine the amount of AMYPROTEC 42 required to treat the area.
4. Add the required amount of AMYPROTEC 42 into the same quantity of water used to calibrate the injection equipment.
5. Maintain constant solution tank agitation during the injection period.
6. Operate system at normal pressures specified by the manufacturer of the injection equipment and used for the time interval established during calibration.
7. Stop injection equipment after treatment is completed. Continue to operate the system until AMYPROTEC 42 solution has cleared the last sprinkler head.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:
Store this product in original sealed container in a cool, dry place inaccessible to children and pets. Store at room temperatures below 77°F (25°C).

PESTICIDE DISPOSAL:
To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:
Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

WARRANTY

Andermatt Biocontrol AG warrants that the material contained herein conforms to the description on this label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the plant disease problem, condition of the crop, incompatibility with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in accordance with directions given on this label. To the extent consistent with applicable law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.

Sublabel B: Residential Use

AmyProtec® 42

FOR ORGANIC GARDENING

Active Ingredient:

Bacillus amyloliquefaciens subspecies *plantarum* strain FZB42*	50.00%
Other Ingredients:	50.00%
Total:	100.00%

*Contains a minimum of 2.5×10^{10} CFU/mL of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See inside/side panel for Precautionary Statements and First Aid.]

Store at room temperatures below 77°F

Shake well before use!

OMRI LISTED For Organic Use

EPA Reg. No. 69553-O

EPA Est. No.

Origin of product: Germany

Manufactured for: Andermatt Biocontrol AG
Stahlermatten 6
CH-6146 Grossdietwil
Switzerland

Distributed by: Andermatt USA Corp.
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Mullica Hill
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302-724-6888
contact@andermattUSA.com

Andermatt USA

Net Contents:

Lot No.:

Andermatt Biocontrol where Nature leads Innovation

www.andermattusa.com

FIRST AID	
If swallowed:	• Call a poison control center 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 center or doctor. • Do not give anything by mouth to an unconscious person.
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 center or doctor for treatment advice.
HOTLINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information on this product, contact the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 a.m. to 12 p.m. Pacific Time, or at http://npic.orst.edu. For medical emergencies, call your poison control center at 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Environmental Hazards

Do not apply this product or allow it to drift to blooming plants or weeds while honey bees are actively foraging in the treatment area. For maximum honey bee protection, avoid early morning and late afternoon applications.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PRODUCT INFORMATION

AMYPROTEC 42 is a biological product containing spores of a soil bacterium for preventive use against the listed soil-borne diseases on fruits, vegetables, ornamental plants, and turf grown in residential settings (specified below). AMYPROTEC 42 enhances root development and plant vigor by suppressing the listed soil-borne diseases. The suppressive action is most efficient if the first application is made as early as possible during root and plant development.

AMYPROTEC 42 can be applied together or alternated with other fungicides or bactericides and mixes easily with most pesticides and plant nutrition products. Follow the most restrictive labeling requirements of all products mixed together. Do not mix AMYPROTEC 42 with products whose labels prohibit such mixing. Use the higher application rate and/or apply more often if disease pressure in soil has been high. AMYPROTEC 42 may be applied up to the day of harvest.

USE RESTRICTIONS

For use only on the listed vegetables, fruit, ornamental plants, and turf in residential settings. Not for use on plants grown for sale or other commercial use.

MIXING AND APPLICATION INSTRUCTIONS

AMYPROTEC 42 must be diluted with water and applied as a soil drench or basal-spray (i.e., soil-directed spray to the stem of the plant) with hand-held sprayers or a watering can. Mix 0.5 teaspoon of AMYPROTEC 42 per 1 gallon of water. Stir well and apply 3 to 9.5 fl. oz. of suspension per 1 sq. ft. of soil, ensuring a uniform wetting of the soil and root zone. Apply the suspension within 8 hours of mixing. For spray applications, ensure that spray nozzle size is at least 60 mesh (0.0098 inches). Repeat application every 4 to 8 weeks.

Applications of AMYPROTEC 42 may be made to:
Bulb Vegetables such as: Garlic, Onion, Shallot
***Brassica* (Cole) Leafy Vegetables such as:** Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Kohlrabi
Cucurbit Vegetables such as: Cantaloupe, Honeydew Melon, Cucumber, Squash, Watermelon
Fruiting Vegetables such as: Tomato, Pepper, Eggplant
Herbs such as: Parsley (Dried), Basil, Oregano, Thyme
Leafy Vegetables (Except *Brassica* Vegetables) such as: Lettuce, Celery, Endive, Radicchio, Spinach
Legume Vegetables such as: Bean, Soybean, Pea, Chickpea, Lentil
Ornamental Plants
Root and Tuber Vegetables such as: Carrot, Potato, Sweet Potato, Beet, Horseradish, Radish, Turnip
Berries and Small Fruit such as: Strawberry, Raspberry
Turf

Applications of AMYPROTEC 42 may be made to suppress the following soil-borne diseases:

Rhizoctonia, Common Scab (*Streptomyces scabies*), *Phytophthora, Fusarium, Sclerotinia, Verticillium, Erwinia,* and *Phoma*

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:
Keep in original container. Store away from direct sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use. Store at room temperatures below 77°F (25°C).

PESTICIDE DISPOSAL AND CONTAINER HANDLING:
Nonrefillable container. Do not reuse or refill this container.
If empty:
Place in trash or offer for recycling, if available.
If partly filled:
Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY

Andermatt Biocontrol AG warrants that the material contained herein conforms to the description on this label and is reasonably fit for the purposes referred to in the directions for use. Timing and method of application, weather, watering practices, nature of soil, the plant disease problem, condition of the plant, incompatibility with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in accordance with directions given on this label. To the extent consistent with applicable law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF THE FITNESS OR MERCHANTABILITY IS MADE.