



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 13, 2022

Sarah Risorto  
Authorized Agent to Andermatt Group AG  
Andermatt USA Corporation  
107 Gilbreth Parkway  
Mullica Hill, NJ 08062

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Add an Alternate Brand Name, Clarify the Mixing and Application Instructions, Revise the Seed Treatment Instructions, Add Representative Crops to Existing Crop Groups, and Make Other Labeling Changes, Including Those Requested by the EPA (e.g., Update the Respirator Language)  
Product Name: AmyProtec 42  
EPA Registration Number: 69553-9  
EPA Receipt Date: 02/04/2021  
Action Case Number: 00305233

Dear Ms. Risorto:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

The alternate brand name AmyProtec 42 ST has been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

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 U.S. Environmental Protection Agency (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

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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.

If you have any questions, please contact Jennifer Odom by phone at (202) 566-1536 or via email at [odom.jennifer@epa.gov](mailto:odom.jennifer@epa.gov)

Sincerely,



Alexandra Boukedes, Risk Manager  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs

Enclosure

# AmyProtec® 42

**Biological [fungicide[,]] [seed treatment[,]] [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  $7.4 \times 10^{11}$  CFU/fl. oz.  
( $2.5 \times 10^{10}$  CFU/mL) of product.

[CONTAINS NONPLANT FOOD INGREDIENT(S):  
 $2.5 \times 10^{10}$  CFU/mL *Bacillus amyloliquefaciens* subspecies *plantarum* strain FZB42]

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Store at room temperatures below 77°F

Shake well before use!

Origin of product: Germany

EPA Reg. No. 69553-9

EPA Est. No.

[Technology by:] (to be used with Andermatt logo)

[Manufactured for: Andermatt Group 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](mailto:contact@andermattUSA.com)

**ACCEPTED**  
Apr 13, 2022  
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 69553-9

optional/alternate text is shown in [brackets]; notes to EPA sometimes shown in (parentheses)

# SUBLABEL A: Agricultural Use

<i>Bacillus amyloliquefaciens</i> subspecies <i>plantarum</i> strain FZB42	GROUP	<b>BM 02</b>	FUNGICIDE
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# AmyProtec® 42



## ABN: AmyProtec® 42 ST

Biological [fungicide[,]] [seed treatment[,]] [and] [bactericide] for preventive use against listed soil-borne diseases [and for enhanced root development]



### Active Ingredient:

*Bacillus amyloliquefaciens* subspecies *plantarum* strain FZB42\* 50.00%

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**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!

EPA Reg. No. 69553-9  
EPA Est. No.

Origin of product: Germany

[Manufactured for: Andermatt Group AG  
Stahlermatten 6  
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[Technology by:] (to be used with Andermatt logo)

Distributed by: Andermatt USA Corp.  
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302-724-6888  
contact@anderemattUSA.com



Net Contents:  
Lot No.:

<b>FIRST AID</b>	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. [For non-emergency 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 <a href="http://npic.orst.edu">http://npic.orst.edu</a>. For medical emergencies, call your poison control center at 1-800-222-1222.] [You may also contact #-###-###-####, for emergency treatment information]</p>	

## **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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixers/loaders and applicators 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.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 break-down.

### **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] [or supplemental distributor phone number].

### **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 [or out of treatment area until seeds have dried or been packaged].

### **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] [suppresses] 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 and/or specific liquid/solid materials that are commercially permitted in agricultural processes prior to use. Sufficient soil moisture and soil temperature above 55°F (12°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 but is limited or not compatible with copper-based plant protection

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 filter 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[,] [Pesticides[,] [or] [Seed Coatings]: AMYPROTEC® 42 can be mixed with [or incorporated into] [fertilizers[,] [pesticides[,] [or] [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 [fertilizers[,] [pesticides[,] [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 in the "Directions for soil, bulb, tuber, and seed treatments on selected field crops" table. Treatment can be applied to seed on farm or at a seed treatment facility.

AMYPROTEC® 42 can be added to solutions or solids used for priming seed, or to liquid or powder components used to dye and/or coat or pellet seeds. Shake well before use and dilute depending on seed size as listed below. AMYPROTEC® 42 may be mixed with other registered pesticides, unless prohibited by the other pesticide label.

*For Pre-Plant Seed Treatment:* 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. Do not store excess treated seed beyond planting time.

*For Commercial Seed Treatment:* This product does not contain dye. All seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for humans or feed for animals. The Federal Seed Act requires that bags containing seed treated with this product shall be labeled with the following information: "This seed has been treated with *Bacillus amyloliquefaciens* subspecies *plantarum* strain FZB42. Do not use for food, feed or oil purposes."

**Seed Priming Applications**

Dilute AMYPROTEC® 42 with osmotic priming solution/matrix to a maximum concentration of 50%. Apply at an appropriate volume according to the application rates below.

**Seed Coating and Pelleting Applications**

Dilute AMYPROTEC® 42 with water or binder solutions and suspended fillers to a maximum concentration of 50%. Apply at an appropriate volume according to the application rates below.

### Spraying and Soaking Applications

Apply 0.25 to 30 fl. oz. of AMYPROTEC® 42 per 100 lbs. of seeds. Dilute AMYPROTEC® 42 with an appropriate amount of water and/or commercial formulation prior to seed treatment where low concentrations are needed (e.g., for large seeds such as wheat and corn). Apply this suspension at an appropriate volume according to the application rates below. Uniformly apply suspension on seeds, mix well, and allow to dry before sowing or bagging. Coarse-grained seeds quickly absorb the moisture and do not need to be dried. Apply with commonly used seed treatment methods and equipment (such as fluid-beds, side-vented pans and others). Seeds can also be treated directly in the seed tank.

### Use and Rate Specifications

The rate specifications on this label will vary with seed species, type, size and phytosanitary conditions. Contact your extension specialist, certified crop consultant, or manufacturer for further guidance on rates for specific seed species.

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

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Brassica (Cole) Leafy Vegetables<sup>1</sup>:</b></p> <p>Bok Choi Broccoli Cabbage Cauliflower Collard Greens Brussels Sprouts Kale Kohlrabi Mustard Greens and other cole crops (including those grown for seed production)</p> <p><sup>1</sup> Not for use on these crops in California</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p> <hr/> <p>0.5-10 fl. oz./100 lbs. (cwt) of seed</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p> <hr/> <p>See “For Seed Treatment” section for details.</p>

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Cucurbit Vegetables<sup>1</sup>:</b></p> <p>Cantaloupe Honeydew Melon Cucumber Squash Watermelon Chayote Chinese Waxgourd Citron Melon Gherkin Pumpkin Edible Gourd Hyotan Cucuzza Chinese Okra <i>Momordica</i> spp. Balsam Apple Balsam Pear Bitter Melon Chinese Cucumber Muskmelon Casaba Crenshaw Melon Golden Pershaw Melon Honey Balls Mango Melon Persian Melon Pineapple Melon Santaclaus Melon Snake Melon Summer Squash Crookneck Squash Scallop Squash Straightneck Squash Vegetable Marrow Zucchini Winter Squash Butternut Squash Calabaza Hubbard Squash Acorn Squash Spaghetti Squash and other cucurbit vegetables (including those grown for seed production)</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-28 fl. oz./A</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p>
<p><sup>1</sup> Not for use on these crops in California</p>		<p>0.5-3 fl. oz./100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>

Master Label

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Fruiting Vegetables:</b></p> <p>Tomato Pepper (all varieties) Eggplant Ground Cherry Pepino Tomatillo Okra and other fruiting vegetables (including those grown for seed production)</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-28 fl. oz./A</p> <p>0.5-30 fl. oz./100 lbs. (cwt) of seed</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p> <p>See “For Seed Treatment” section for details.</p>

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Legume Vegetables (Succulent or Dried) <sup>1</sup> :</b>                      Adzuki Bean                      Black-eyed Pea Bean                      Cowpea                      Crowder Pea                      Edible-Pod Pea                      English Pea                      Fava Bean                      Field Bean                      Field Pea                      Garden Pea                      Kidney Bean                      Lupins                      Mung Bean                      Navy Bean                      Pigeon Pea                      Pinto Bean                      Runner Bean                      Snow Pea                      Soybean                      Pea                      Green Pea                      Sugar Snap Pea                      Tepary Bean                      Wax Bean                      Yardlong Bean                      Snap Pea                      Shell Pea                      Split Pea                      Lima Bean                      Garbanzo Bean (Chickpea)                      Lentil                      and other legume vegetables (including those grown for seed production)</p> <p><b>Peanut</b></p> <p><b>Nongrass Animal Feeds such as:</b>                      Alfalfa</p>	<p><i>Rhizoctonia</i>  <i>Fusarium</i>  <i>Sclerotinia</i>  <i>Verticillium</i>  <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p>
<p><sup>1</sup> Not for use on these crops in California</p>		<p>0.5-5 fl. oz./100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>

Master Label

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Leafy Vegetables (Except Brassica Vegetables):</b></p> <p>Head Lettuce Leaf Lettuce Celery Endive Radicchio Spinach Arugula Watercress and other leafy vegetables (except Brassica vegetables) (including those grown for seed production)</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p>
		<p>0.5-30 fl. oz./100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>
<p><b>Oilseeds<sup>1</sup>:</b></p> <p>Canola Sunflower Castor Cotton Flax Jojoba Rapeseed Safflower Sesame and other oilseed crops (including those grown for seed production)</p> <p><b>Coconut<sup>1</sup></b></p> <p><b>Oil Palm<sup>1</sup></b></p> <p><b>Olive<sup>1</sup></b></p> <p><sup>1</sup> Not for use on these crops in California</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i> <i>m</i></p>	<p>7-14 fl. oz./A</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p>
		<p>0.5 -5 fl. oz./100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>

Master Label

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Cereal Grains:</b></p> <p>Wheat Field Corn Sweet Corn Popcorn Silage Corn Seed Corn Rice Barley Buckwheat Millet Pearl Millet Proso Millet Oats Rye Sorghum (Milo) Triticale and other cereal grain crops (including those grown for seed production)</p> <p><b>Grain Amaranth</b></p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p> <p>0.5-3 fl. oz./ 100 lbs. (cwt) of seed</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p> <p>See “For Seed Treatment” section for details.</p>



Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Root, Tuber and Corm Vegetables:</b></p> <p>Carrot Sweet Potato Beet Sugar Beet Horseradish Radish Turnip Potato Parsnip Cassava Ginger Ginseng and other root, tuber and corm crops (including those grown for seed production)</p>	<p><i>Rhizoctonia</i> Common Scab (<i>Streptomyces scabies</i>) <i>Phytophthora</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Erwinia</i></p>	<p>7-14 fl. oz./A</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>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 14 fl. oz. of AMYPROTEC® 42/A, when needed.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p>
		<p>See “Directions” Column Immediately to the Right</p>	<p><b>Tuber Vegetable Seeds</b></p> <p>Treat the seed tubers by spraying 0.3-5 fl. oz. of AMYPROTEC® 42 in 6.5-60 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.</p> <p>See “For Seed Treatment” section for additional details.</p>

Master Label

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Bulb Vegetables<sup>1</sup>:</b></p> <p>Garlic Onion Shallot Leek Chive and other bulb vegetables (including those grown for seed production)</p> <p><sup>1</sup> Not for use on these crops in California</p>	<p><i>Phoma</i> <i>Rhizoctonia</i> <i>Fusarium</i></p>	<p>7-28 fl. oz./A</p> <p>See "Directions" Column Immediately to the Right</p>	<p>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.</p> <p>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.</p> <p>For Bulb Vegetables planted from seed: 0.5-30 fl. oz./ 100 lbs. (cwt) of seed.</p> <p>For Bulb Vegetables planted from bulbs: 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</p> <p>See "For Seed Treatment" section for details.</p>
<p><b>Herbs and Spices<sup>1</sup>:</b></p> <p>Parsley Basil Oregano Thyme Coriander Dill Cilantro Mint and other herbs and spices (including those grown for seed production)</p> <p><sup>1</sup> Not for use on these crops in California</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p> <p>0.5-30 fl. oz./ 100 lbs. (cwt) of seed</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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.</p> <p>See "For Seed Treatment" section for details.</p>

Master Label

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Berries and Small Fruit:</b></p> <p>Strawberry Raspberry Blueberry Blackberry Loganberry Huckleberry Kiwifruit Gooseberry Elderberry Cranberry Currant and other berries and small fruit (including those grown for seed or root production)</p>	<p><i>Verticillium</i> <i>Phytophthora</i> <i>Fusarium</i> <i>Rhizoctonia</i></p>	<p>7-14 fl. oz./A</p>	<p>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.</p> <p>At sites with high soil disease infestation (e.g., <i>Rhizoctonia</i> or <i>Fusarium</i>) 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 more, 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.</p> <p>For optimum results, make the initial application of AMYPROTEC® 42 during seedling production.</p>
		<p>0.5-30 fl. oz./ 100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>
<p><b>Turf</b></p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p>	<p>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.</p> <p>Reapply by chemigation at 4- to 8-week intervals during the season.</p>
		<p>0.5-30 fl. oz./ 100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>

Crops	Diseases	Application Rates for AMYPROTEC® 42 (Except Drench Applications)	Directions
<p><b>Ornamental, Bedding and Cut Flower Plants, including Native Species such as:</b></p> <p>Sunflowers Ornamental Rice Ornamental Corn Ornamental Cabbage and other plants grown for ornamental purposes</p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-28 fl. oz./A</p>	<p>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.</p> <p>Reapply every 21 days. Depending on disease pressure, apply together or alternate with other soil fungicides.</p>
<p><b>Other Crops:</b></p> <p><b>Hemp (Greenhouse and Outdoor)</b></p> <p><b>Tobacco</b></p> <p><b>Cotton</b></p> <p><b>Hops</b></p>	<p><i>Rhizoctonia</i> <i>Fusarium</i> <i>Sclerotinia</i> <i>Verticillium</i> <i>Phytophthora</i></p>	<p>7-14 fl. oz./A</p>	<p>Apply AMYPROTEC® 42 via chemigation or spraying on the seedbed. Maintain 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.</p> <p>Reapply by chemigation at 4- to 8-week intervals during the season.</p>
		<p>0.5-50 fl. oz./ 100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>
		<p>0.5-30 fl. oz./ 100 lbs. (cwt) of seed</p>	<p>See “For Seed Treatment” section for details.</p>

**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:**

**[For nonrefillable rigid containers 5 gal or less:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure 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 use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. **[For non-plastic containers: Then offer for**



recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.] [For plastic containers: Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.]

**[For nonrefillable non-rigid containers any size:** Nonrefillable container. Do not reuse or refill this container. Completely empty [container] [bag] into application equipment. [For bags: Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.] [For non-bag containers: Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.]

**[For refillable rigid containers larger than 5 gal:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. [For non-plastic containers: Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.] [For plastic containers: Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or by other procedures approved by state and local authorities.]

**[For nonrefillable rigid containers larger than 5 gal:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. [For non-plastic containers: Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.] [For plastic containers: Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.]

**WARRANTY**

Andermatt Group 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.

AMYPROTEC® 42 is a registered trademark of Andermatt Group AG. All rights reserved.

DOSATRON® is a registered trademark of Dosatron International Corporation.

[Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>]

# Sublabel B: Residential Use

<i>Bacillus amyloliquefaciens</i> subspecies <i>planatarum</i> strain FZB42	GROUP	BM 02	FUNGICIDE
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# AmyProtec® 42

Biological [fungicide[,]] [seed treatment[,]] [and] [bactericide] for preventive use against listed soil-borne diseases [and for enhanced root development]



FOR ORGANIC GARDENING

**Active Ingredient:**

*Bacillus amyloliquefaciens* subspecies *planatarum* strain FZB42\* 50.00%

**Other Ingredients:** ..... 50.00%

**Total:** ..... 100.00%

\*Contains a minimum of  $7.4 \times 10^{11}$  CFU/fl. oz.  
( $2.5 \times 10^{10}$  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!

EPA Reg. No. 69553-9  
EPA Est. No.

Origin of product: Germany

[Manufactured for: Andermatt Group AG  
Stahlermatten 6  
CH-6146 Grossdietwil  
Switzerland]

[Technology by:] (to be used with Andermatt logo)

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



Net Contents:  
Lot No.:

<b>FIRST AID</b>	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency 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 <a href="http://npic.orst.edu">http://npic.orst.edu</a> . 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 filter 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 and Spices 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, Bedding and Cut Flower 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 Group 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.

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