

AmyProtec 42®

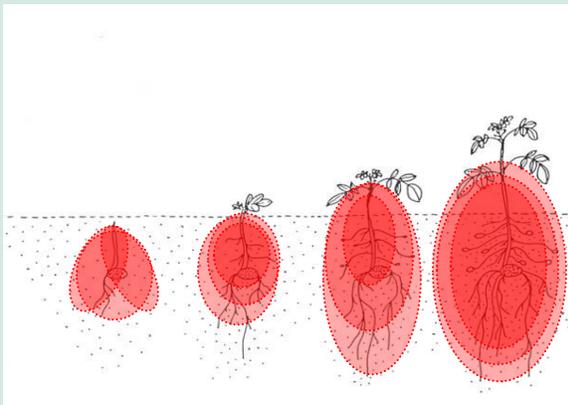
Management of Basal Plate Rot (*Fusarium oxysporum*) in Garlic



AmyProtec 42® is a **biological soil-fungicide**, containing the rhizosphere (rooting zone) colonizing bacteria *Bacillus amyloliquefaciens* strain FZB42. AmyProtec 42® has to be applied preventively in order to effectively suppress the soil-borne pathogen, *Fusarium oxysporum*. Due to the **versatile mode of action** and the good miscibility with most pesticides and fertilizers, AmyProtec 42® is the perfect product for integrated plant protection programs.

Bacillus amyloliquefaciens strain FZB42 Mode of Action

The bacteria colonizes the rhizosphere, **competes for space** and nutrients with soil-borne pathogens. This creates a “**disease-inhibiting protective shield**”. AmyProtec 42® also activates the plant’s natural defence mechanisms through induced systemic resistance, resulting in **increased plant vigor**.



Advantages of AmyProtec 42®

- ✓ Suspension Concentrate (SC)
- ✓ Excellent Resistance Management Tool
- ✓ Zero Residues & Minimal PHI
- ✓ Non-Toxic and Safe
- ✓ Harmless to Beneficial Insects
- ✓ Compatible with most agro-chemical products
- ✓ Easy Storage
- ✓ Good Rainfastness
- ✓ For conventional and organic pest management



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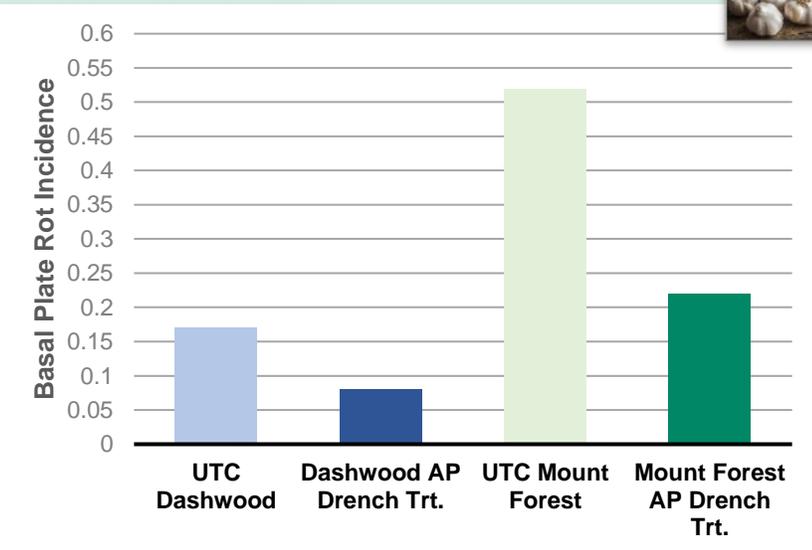
AmyProtec 42[®]

Management against Basal Plate Rot (*Fusarium oxysporum*) in Garlic

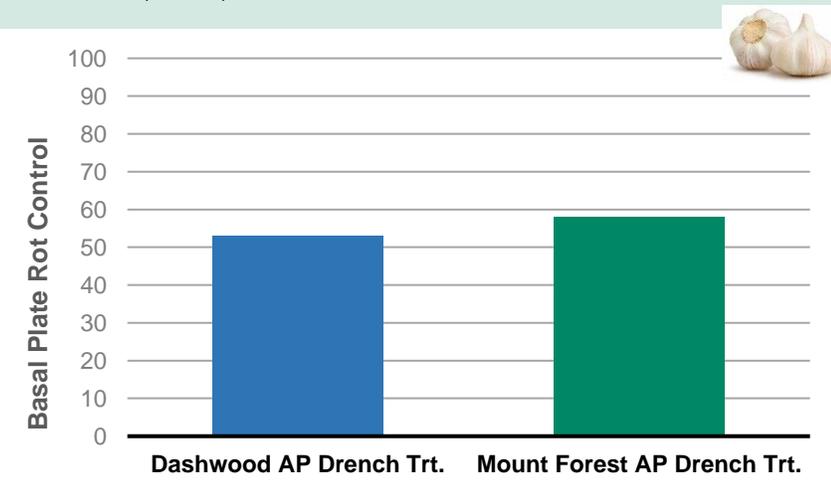
A Perfect Tool for Intergrated Programs

AmyProtec 42[®] can be applied with almost all plant protection products and through various application methods. Combined applications can increased the efficacy of conventional fungicides and seed treatments. The absolutely residue free, well storable and highly concentrated liquid formuation provides a user friendly solution for integrated and organic plant protection programs. AmyProtec 42[®] is a great tool in order to aviod resistances and reducing the use of chemical fungicides. Treatments in early plant development stage are essential for successful inhibition of soil-pathogens.

Canadian Field Trial Results



*Basal Plate Rot, Ontario, 2018



*Basal Plate Rot, Ontario, 2018

PRODUCT FACTS

Against

Fusarium oxysporum, Basal Plate Rot

Active Ingredient

Bacillus amyloliquefaciens strain FZB42

Formulation Type

Suspension Concentrate

Concentration

$>2.5 \times 10^{10}$ CFUs/ml

Standard Dosage

Drench Treatment: 0.4mL/L

Crops

Garlic

Compatibility

Compatible with most insecticides, fungicides and fertilizers. Avoid mixing with products with antibiotic activity

Storage

Storage stability: 1 year at 25°C, Avoid temperatures above 37°C.