Peppers

SePRO Ag
Upgrade Your Crop™

Bio-Tam 2.0 is a highly effective BioFungicide for conventional and organic production.

Bio-Tam 2.0 is the next generation in biorational fungicides with a proven combination of two species of beneficial *Trichoderma* fungi used in the management of soil-borne diseases which include *Fusarium* spp., *Phytophthora* spp., *Pythium* spp., *Rhizoctonia* spp., *Sclerotinia* spp., *Sclerotium rolfsii, Thielaviopsis basicola, Verticillium* spp. These soil-borne root and collar rot diseases affect a wide range of vegetable, fruit, row, and ornamental crops.

Phytopthora infected

Features and Benefits

Selection of two broadly adapted *Trichoderma* species for optimum performance in various environments.

- *T. gamsii* soil colonization at soil temps as low as 45°F and *T. asperellum* at 54°F
- Fitness across a range of soil pH conditions

Application Flexibility

- Labeled for many fruit, vegetable, and field crops
- **MRL Exempt** - no limitations on exports
- Recommended for conventional or organic production
  - Meets National Organic Production (NOP) standards
  - **OMRI-Listed**
- Season long application window
- **Controls a wide range of soil-borne diseases**
  - Excellent **IPM** component and **resistance management** tool

User Friendly

- Compatible with many conventional fungicides
- Can be applied through standard spray equipment and irrigation **(including drip systems)**
- Minimal disruption to crop production labor schedules
  - **4 hour REI and 0 day PHI**
- Fertilizer compatible for application to direct-seeded crops

OMRI LISTED
For Organic Use

FOR ORGANIC PRODUCTION

Best Use Recommendations

Bio-Tam 2.0 aggressively colonizes the crop roots and surrounding soil. It acts as a protectant, forming a barrier that is antagonistic to disease infection. As a secondary mechanism of action, Bio-Tam 2.0 attacks the pathogen cell walls with enzymes to actively inhibit disease infection. Bio-Tam 2.0 can be applied as often as needed depending upon disease history and pressure.

For Best Results:

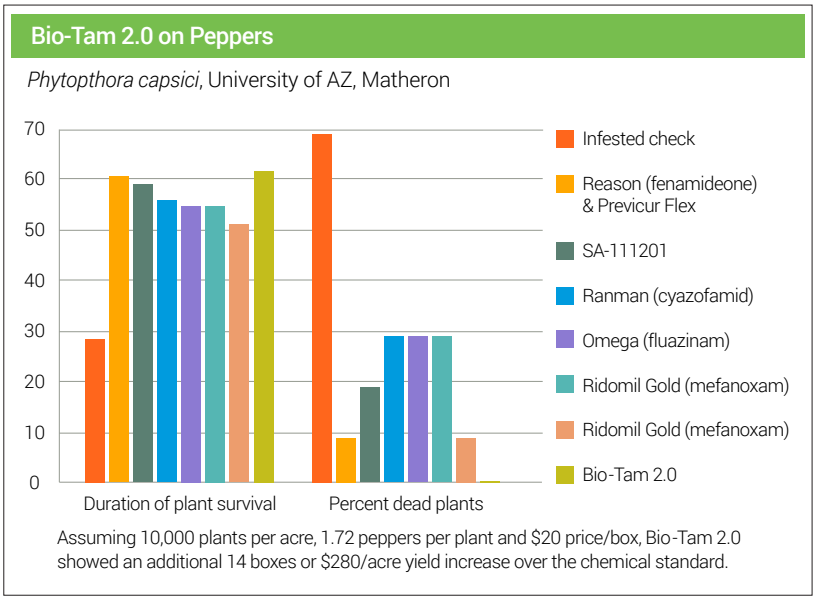
Apply 2.5 to 5.0 lbs Bio-Tam 2.0 per broadcast acre in 50 - 100 gpa water from 7 days prior to planting to at-planting. Repeat applications on a 14 - 28 day interval throughout the growing season as needed.

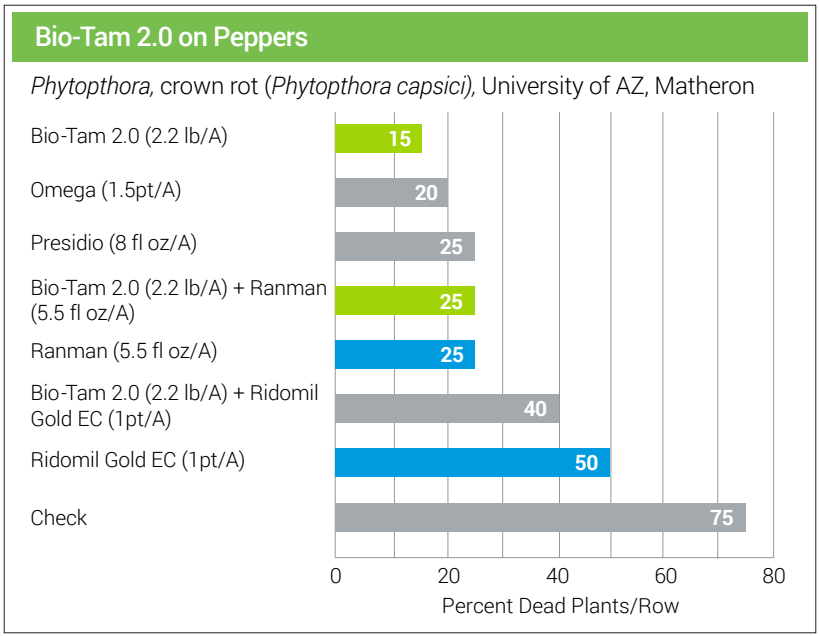
Dip. Transplant applications are made at a rate of 2.5 to 7.5 oz. per 100 gallons water. Soil applications (in-furrow) are made at a rate of 1.5 to 3.0 oz. Bio-Tam 2.0 per 1,000 row feet in adequate water to wet the planting furrow. Soil applications (banded) are made at a rate of 2.5 to 5.0 lb/A Bio-Tam 2.0 in at least 25 gpa water. This first step establishes the bond between the roots and the *Trichoderma*, stimulating root development and providing critical early disease prevention.

Strip. The second application should occur in the field just before direct seeding, or up to a week before transplanting occurs. Bio-Tam 2.0 may be applied directly into the seeding trench, or as a banded application to the top of the rows. This helps create an initial field colony of *Trichoderma* within the root zone, and augments the protection brought to the field from the greenhouse.

Let it rip. Begin your standard fungicide program on the same schedule as you normally would. Bio-Tam 2.0 is compatible with a wide range of other biological and conventional fungicides, making it perfect for inclusion in IPM programs. Using Bio-Tam 2.0 to protect against soil-borne disease pressure, allows you to focus on protecting your crop from early season foliar diseases. Once established, compatible foliar programs will not interfere with your *Trichoderma* population, enabling the two programs to work in concert and deliver enhanced yields. Bio-Tam 2.0 applications may be rotated in every 14 to 21 days as needed depending upon disease pressure.

Reduced Disease



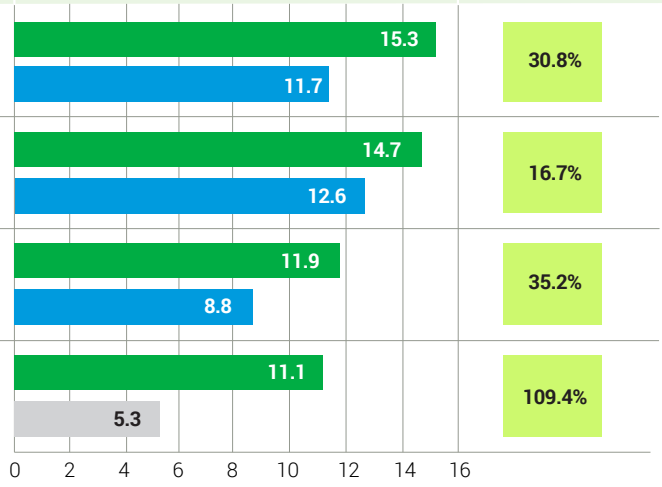


Increased Yields

Bio-Tam 2.0 on Peppers

Phytophthora crown rot (*Phytophthora capsici*); University of Georgia, Ji; (Market yield, lb/plot)

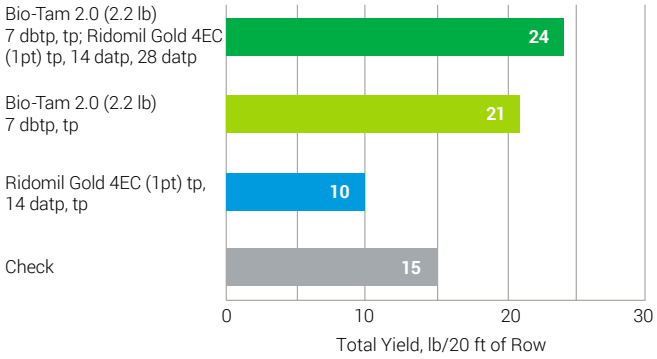
Rotational Fungicide Program	Soil and Transplant Preparation	Market Yield (lb/plot)	Percent increase with Bio-Tam 2.0
Presidio (4floz/A) + **Kentan 40DF** (2lb/A) foliar 10/30datp; alt/w **Ridomil Gold Cu** (2lb/A) foliar 10/20/30/40 datp	**Bio-Tam 2.0***	15.3	30.8%
	No Bio-Tam	11.7	
Ridomil Gold (1pt) drench tp; **Ridomil Gold Cu** (2lb/A) foliar 10/20/30/40 datp	**Bio-Tam 2.0**	14.7	16.7%
	No Bio-Tam	12.6	
Ridomil Gold (1pt) drench tp	**Bio-Tam 2.0**	11.9	35.2%
	No Bio-Tam	8.8	
Untreated Control	**Bio-Tam 2.0**	11.1	109.4%
	No Bio-Tam	5.3	



Bio-Tam was applied at 2.2 lb/A as a drench 7 days before transplant, then again at transplant

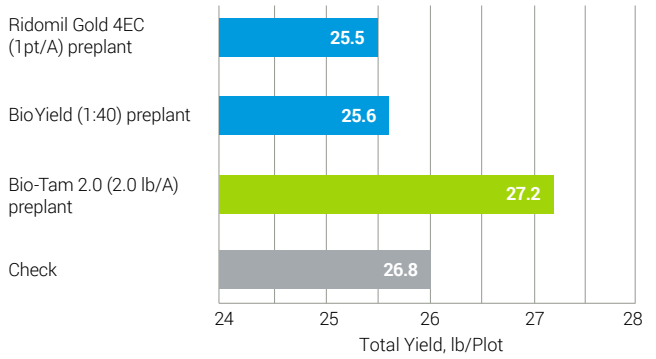
Bio-Tam 2.0 on Peppers

Phytopthora, crown rot (*Phytopthora capsici),* Michigan State Univ, Hausbeck



Bio-Tam 2.0 on Peppers

Phytopthora, crown rot (*Phytopthora capsici),* NC State Univ., Louws



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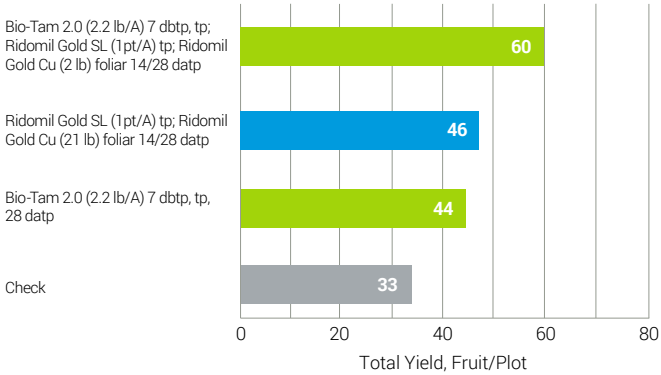

Notes

For more information contact a SePRO Technical Specialist at **1-800-419-7779** Visit **sepro.com**

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