

Solution Sheet

Nematodes Potato

Nematodes pose a severe threat to potato production worldwide. These microscopic roundworms, particularly root-knot and cyst nematodes, penetrate potato roots and tubers, disrupting nutrient uptake and water absorption. Infected plants exhibit stunted growth, yellowing leaves, and reduced yields. In severely affected fields, yield reductions can reach 80%.

The Chemical Solution Problem

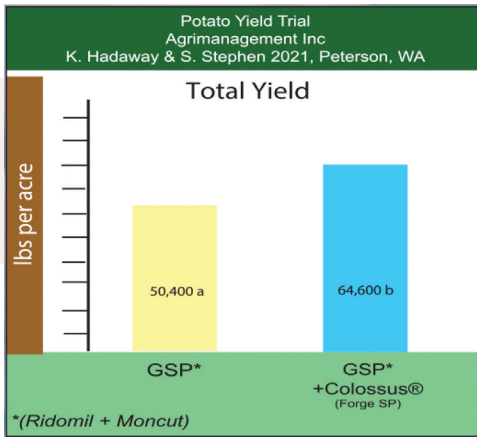
Widely used chemical nematicides such as oxamyl, face increasing scrutiny due to environmental and health concerns. While effective at controlling nematode populations, these harsh chemicals exhibit high acute toxicity to non-target organisms, including beneficial soil microbes, earthworms, and aquatic species. Additionally, repeated use has led to nematode resistance in some areas, diminishing its effectiveness. These limitations have intensified the search for safer, more sustainable nematode management alternatives.

The Natural Solution

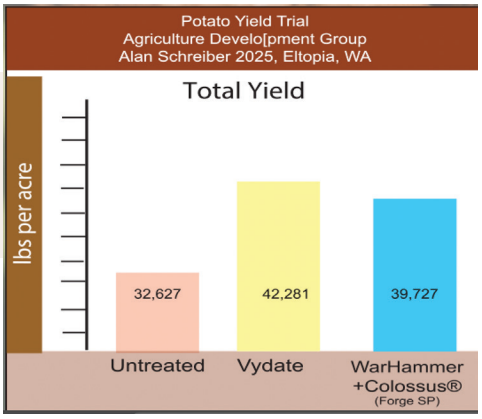
WarHammer®, is a eco-friendly nematicide. This biodegradable compound works through multiple mechanisms: directly damaging nematode cuticles, inducing plant defense responses, and promoting beneficial microbial communities that suppress nematode populations. Research demonstrates that **WarHammer** applications can reduce nematode infection rates by 40-60% while simultaneously enhancing plant growth and root development.

Colossus® is a high concentration of *Streptomyces nigrescens*, a powerful microorganism that was discovered in an Idaho potato field. **Colossus** synergistically grows on the potato roots and tubers. While there it produces beneficial metabolites and by-products that enhance root development and vigor. Over 10 years of research has consistanly demonstrated that **Colossus** can significantly increase marketable yield of potato crops.

Colossus is powerful as tank mix partner (22% additional yield)



Colossus also compliments a softer chemical program (22% yield increase vs untreated)



TWO STEP APPLICATION PROGRAM

1. At Planting:

Apply WarHammer (8-12 oz/acre) and Colossus (3-9 oz/acre) in furrow directly on the seed pieces

2. At around 30 days after planting:

Apply WarHammer (8-12 oz/acre) and Colossus (3-9 oz/acre) as a side dressing. Apply product just prior to a rain event to ensure product moves into the soil to the root system.

Fungicide • Bactericide • Nematicide
WARHAMMER®
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