BROAD-SPECTRUM DISEASE AND NEMATODE CONTROL

BACKGROUND:

Diseases and plant-parasitic nematodes continue to be major challenges in agricultural production, contributing to reduced crop vigor, lower yields, and increased economic losses across a wide range of crops. Growers are increasingly seeking effective, broad-spectrum solutions that can support integrated crop health management while maintaining consistent performance under diverse production conditions.

OBJECTIVE:

Determine the effectiveness of PROUD 4™ on a variety of diseases and pests.

MATERIALS & METHODS:

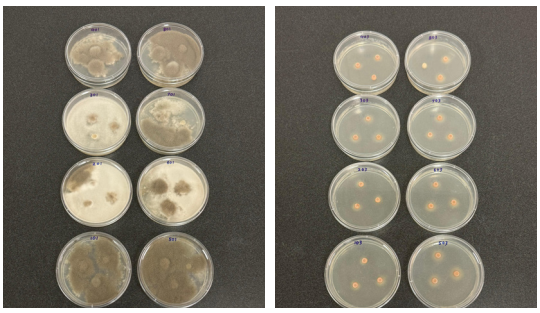
PROUD 4 was evaluated in a laboratory screening conducted by an independent third-party research facility.

- Initial pretreatment measurements were recorded, including disease diameter and nematode counts.
- PROUD 4 was then applied to Petri dishes at concentrations of 1%, 2%, and 4%. Control was untreated and did not receive any application of PROUD 4.
- Follow-up measurements and photographs were collected 2 days after treatment for disease assessments and at 1, 2, and 3 days after treatment for nematode evaluations.

KEY FINDINGS:

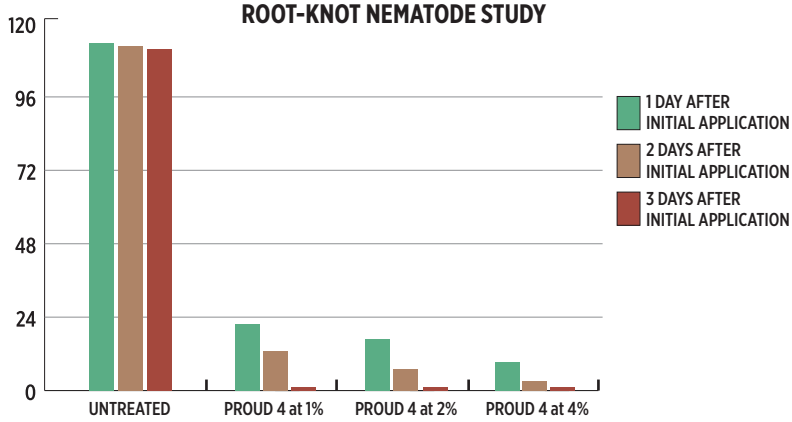
- Strong broad-spectrum suppression observed across multiple plant diseases and nematodes.
- Complete inhibition achieved against several pathogens, including Alternaria, Botrytis, Colletotrichum, Fusarium, Macrophomina, Neopestalotiopsis, Phytophthora, Pythium, and Rhizoctonia, at a 1% application rate; additional activity is expected against other pathogens.
- Complete inhibition achieved against several nematodes, including lance, lesion, root-knot, soybean cyst, and spiral nematodes, at a 4% application rate; additional activity is expected against other nematode species.
- Statistical separation confirmed consistent and repeatable performance under laboratory condition.

BOTRYTIS CINEREA STUDY



CONTROL | PROUD 4® at 1%

ROOT-KNOT NEMATODE STUDY



SUMMARY:

PROUD 4 demonstrated broad-spectrum in vitro control of multiple plant pathogens and plant-parasitic nematodes. Significant reductions and complete inhibition were observed in several evaluations, highlighting PROUD 4's potential as an effective tool for integrated crop health management.

Data generated from controlled laboratory evaluations. Results may vary based on environmental conditions, crop type, disease pressure and management practices.

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