

PROUD 4® Demonstrates Control of Plant-Parasitic Nematodes

CONDUCTED BY: Ag Metrics Group - Florida Ag Research

HUMA® PRODUCT: PROUD 4®

OBJECTIVE

PROUD 4, an upgraded formula of PROUD 3®, was tested against various pathogens in a lab assay to determine effectiveness of control.

RESULTS

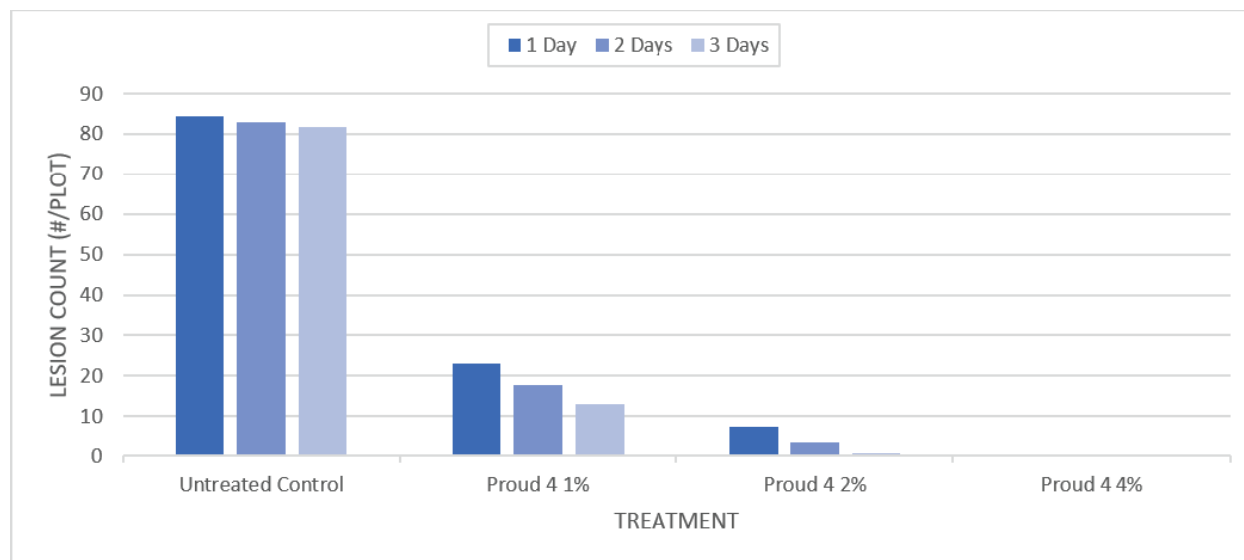
PROUD 4 exhibited statistically significant control for all nematode species tested.

MATERIALS & METHODS

In an independent, on-site laboratory in Florida, well-plates inoculated with eight different nematode species were prepared: lance (*Hoplolaimus galeatus*), lesion (*Pratylenchus* sp.), root-knot (*Meloidogyne* sp.), soybean cyst (*Heterodera glycines*), spiral (*Helicotylenchus* sp.), stubby root (*Trichodoridae* sp.), and sting (*Belonolaimus longicaudatus*).

Well-plates were treated via micro-pipette with PROUD 4 at rates 1% v/v, 2% v/v, and 4% v/v. An untreated check was also included for reference. Plots were replicated six times in a randomized complete block design. All data was recorded and analyzed in ARM Rev. 2026.1. Statistics were analyzed using ANOVA mean comparison with LSD test, $\alpha=0.05$.

PROUD 4 vs. LESION

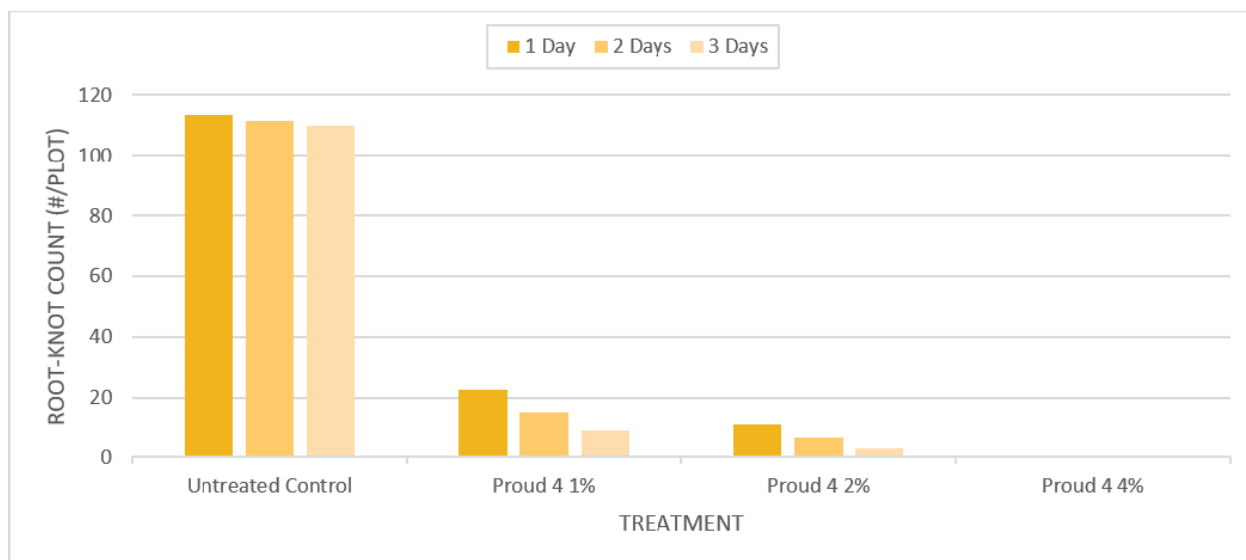


PROUD 4® Demonstrates Broad-Spectrum Control of Plant Diseases

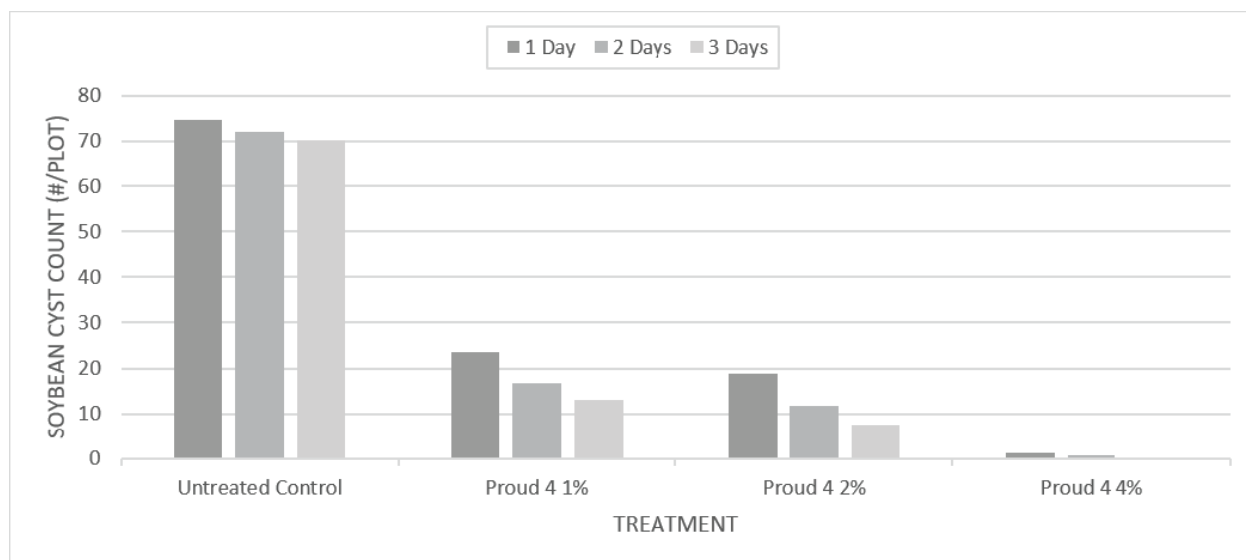
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PROUD 4 vs. ROOT-KNOT



PROUD 4 vs. SOYBEAN CYST

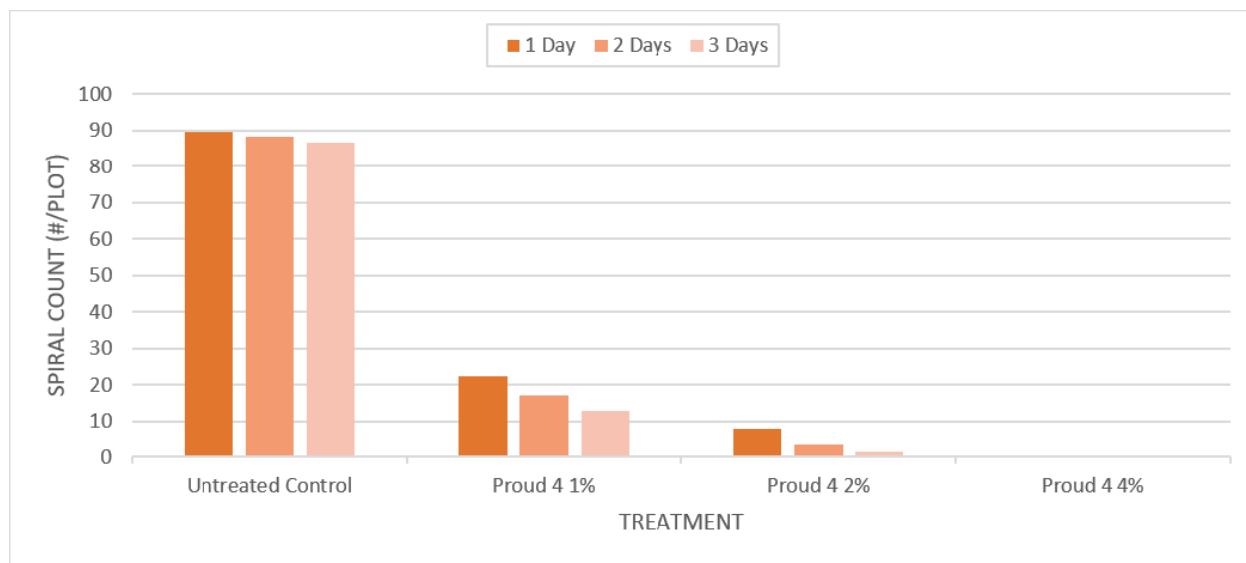


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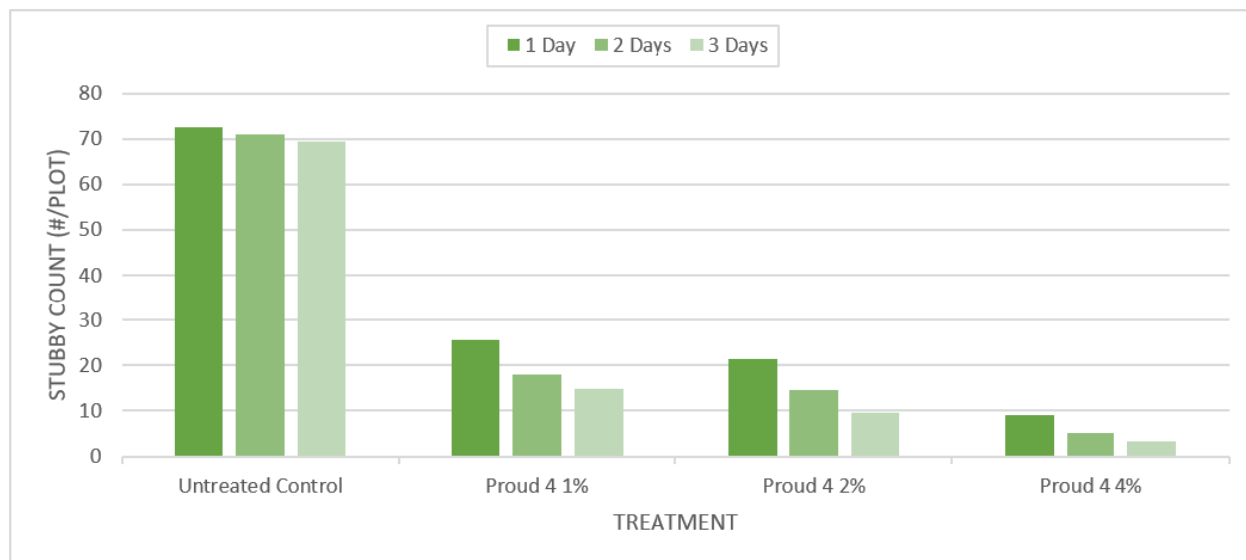
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PROUD 4 vs. SPIRAL



PROUD 4 vs. STUBBY

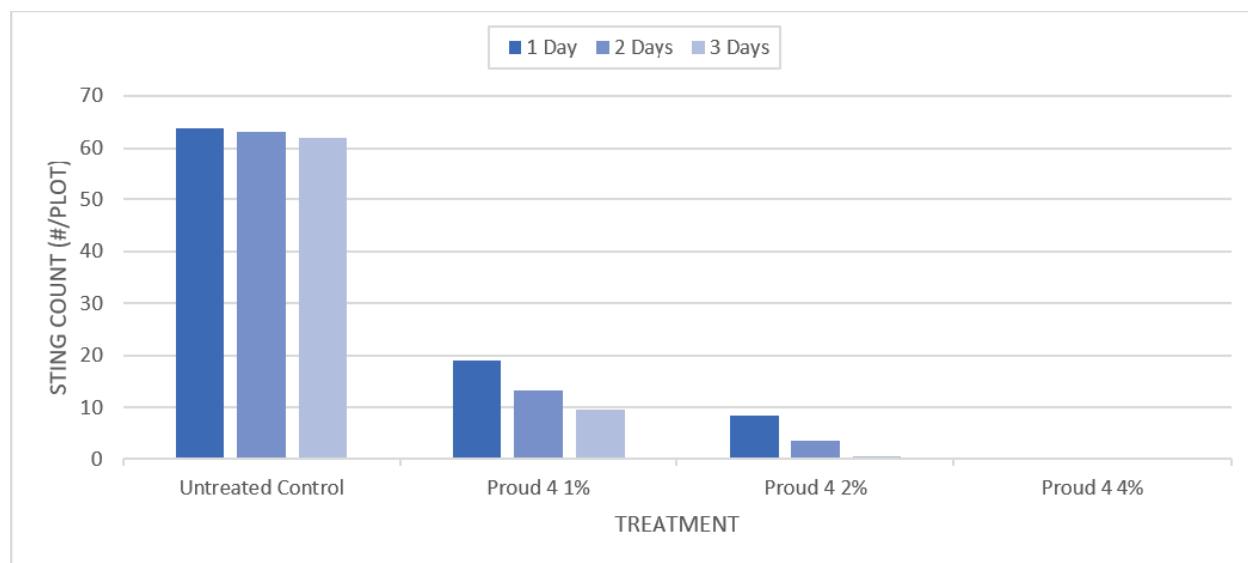


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PROUD 4 vs. STING



PROUD 4 vs. LANCE

