PRIME SOURCE
A DIVISION OF ALBAUGH, LLC

BIOLOGICAL NEMATICIDE/INSECTICIDE
FIELD TRIAL SUMMARY

ZELTO® + CRESCENDO™

Control of root-knot nematodes in bermudagrass putting greens

Dr. Billy Crow, University of Florida

Trial Objective

To determine the efficacy of Zelto in combination with Crescendo for control of juvenile and adult male root-knot nematodes (*Meloidogyne graminis*) in TifEagle™ bermudagrass putting greens.

Materials and Methods

- Trial was initiated on May 20, 2021 and continued through September 24, 2021. Turf plugs were pulled on both dates for nematode counts. All plots were also evaluated for turfgrass quality and health.
- Applications of Zelto at 1 gal/A plus Crescendo at 4 lbs/A were made to 16′ x 16′ plots separated by 2′ untreated borders
- The number of juvenile and adult male nematodes were recorded from plugs pulled at the start and at the conclusion of the trial. *Female root-knot nematodes stay inside the roots and only second-stage juveniles and adult males are capable of exiting the roots.*
- The turf quality in each plot was recorded at trial initiation and conclusion (rated 1-9, with 9 being best quality and 6 being minimum acceptable quality).

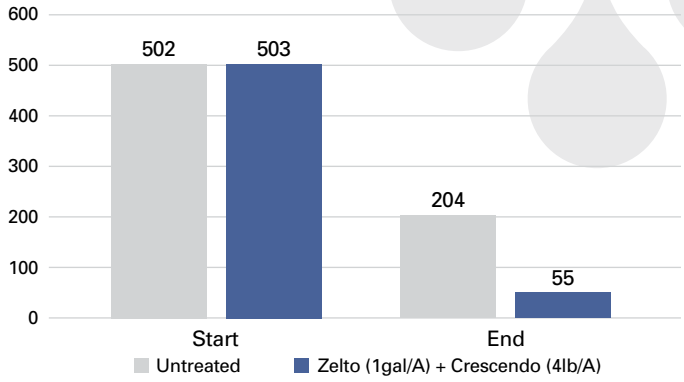
Trial Results and Conclusions

- Zelto and Crescendo tank-mix provided statistically significant reduction of root-knot juveniles and adult males compared to the untreated control.
- This treatment also improved turf quality more than any other treatment.

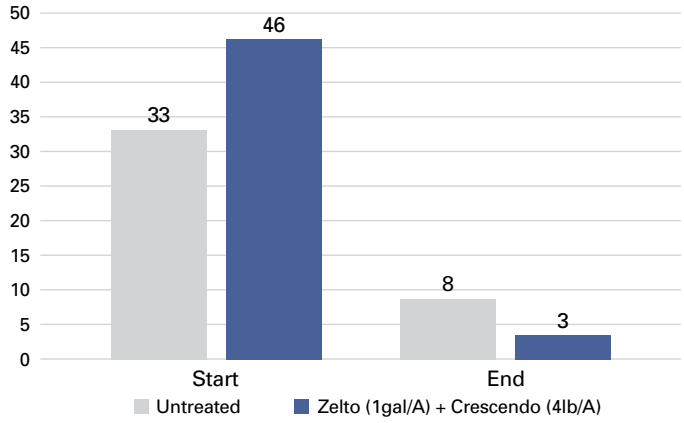
"Tank-mix applications of Zelto and Crescendo show great promise for management of root-knot nematodes in turf."

— Dr. Billy Crow

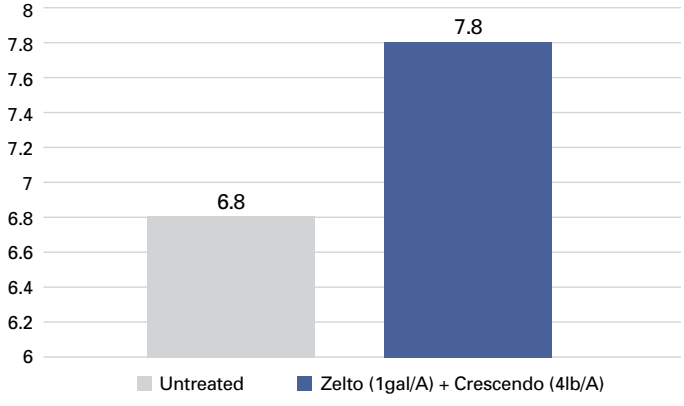
Root-knot nematode juveniles (Florida 2021)



Root-knot nematode adult males (Florida 2021)



Turf quality 1-9 (Florida 2021)



Prime Source, a Division of Albaugh, LLC • 1525 NE 36th Street, Ankeny, IA 50021 • **www.primesource-albaugh.com**

THE SOURCE MATTERS · PRIME SOURCE ·