

Impact of Revolution® on Fungicide Efficacy Against Lycopodon Fairy Ring

(Clemson University, 2005)

Research Cooperator: Dr. Bruce Martin

Objective: To evaluate the efficacy of fungicides applied in combination with Revolution for control of Lycopodon sp. fairy ring on a bermudagrass putting green.

Study Details

Location:

Cherokee Plantation, SC

Site Conditions:

- Bermudagrass putting green
- TifEagle and MiniVerde cultivars

Treatments:

- Aquatrols Revolution – 6 oz/1000 ft² (190 mL/100 m²)
- Fungicides – sprayed at 4 gal water/1000 ft² watered in briefly (ca. 0.25 in/8 mm)
 - Insignia 20 WG - 0.9 oz/1000 ft²
 - Heritage TL 0.8 TE – 2.0 oz/1000 ft²
 - Prostar 70 WP – 4.5 oz /1000 ft²
- Untreated control

Test period:

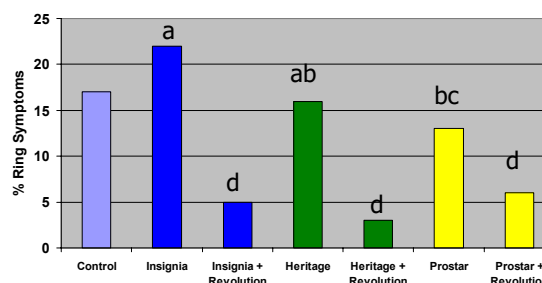
- August – September 2005

Evaluations:

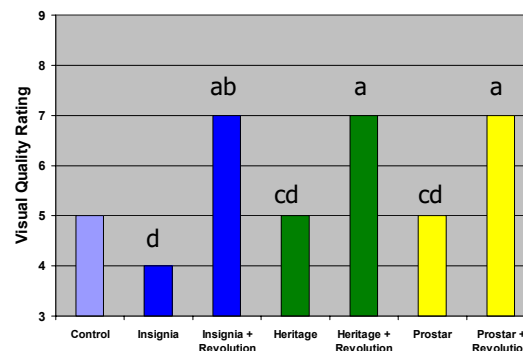
- Fungicide performance (% ring symptoms)
- Turfgrass quality

Means followed by same letter do not significantly differ (P=.05, LSD)

Percent Fairy Ring Symptoms following 2 applications



Turfgrass Quality after 2 applications



Results

Fungicide performance— Fungicide performance was significantly improved after two treatments when applied in conjunction with Aquatrols Revolution.

Turfgrass Quality – Turf quality improved significantly after two fungicide applications made in conjunction with Aquatrols Revolution.

Conclusion

Aquatrols Revolution significantly boosted the efficacy of the tested fungicides against Lycopodon sp. fairy ring in bermudagrass greens resulting in significantly higher turfgrass quality ratings.