

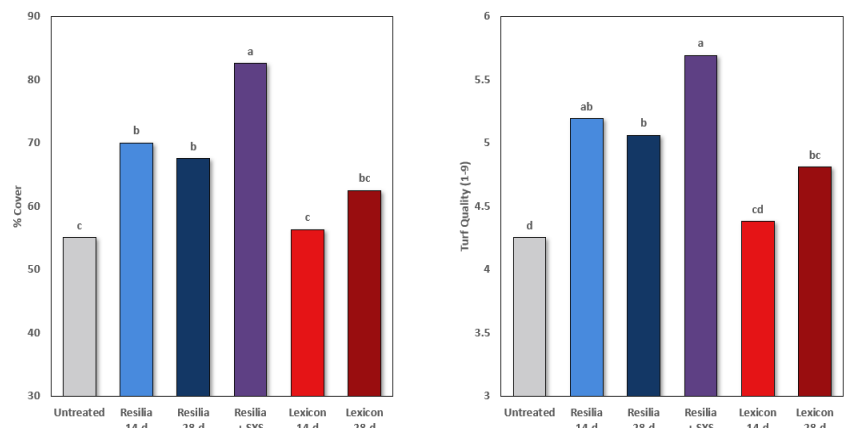
Fast Facts: Research Continues to Show Benefits of Resilia®

by the Green Solutions Team

Resilia continues to show the benefit of minimizing root Pythiums, root fungal diseases, **and** nematodes on highly managed putting greens. Here's a quick summary of two research studies carried out by Envu's Solution Development team.

- **Study I: Resilia improves establishment of bermudagrass sprigs** – this study was located in Clayton, NC, where bermudagrass sprigs were planted in Aug 2023 (late for that part of the country) and then treated on 14- or 28-d intervals with either Resilia, Resilia alternated with Signature™ Xtra Stressgard® (abbreviated as Resilia + SXS in graph labels), or Lexicon® Intrinsic®

- **Results were most visible in May of 2024** where Resilia + SXS produced the most bermudagrass cover, Resilia applied alone regardless of interval produced intermediate cover, and the untreated check and Lexicon Intrinsic produced the lowest cover
- **Similar trends were seen in turf quality** with Resilia + SXS standing out as the best performer
- **Take home message:** Protecting roots with Resilia while increasing photosynthesis with Signature Xtra maximizes health and establishment of bermudagrass. This would likely also apply to greens currently in play as well as cool-season greens undergoing renovation, interseeding, or regrassing



- **Study II: Resilia or Indemnify improves bermudagrass greens performance one year after application** - this study was located on a North Carolina golf course 'Champion' bermudagrass practice green where Indemnify® or Resilia were applied in various intervals in spring and early summer of 2023. This green had root-knot and ring nematode populations present at the time of trial initiation

- **No results were seen in summer of 2023** - this is somewhat typical in turfgrass research projects where despite diligent planning and execution, few results are observed. This study was terminated in late summer
- **Results were seen in June of 2024** where plots formerly treated with Indemnify and Resilia in this abandoned study became visually apparent due to their improved turf quality and color during conditions of intense low-nitrogen, drought, heat and traffic stress one full year after applications.



- **Take home message:** When it comes to preserving root mass and reducing inoculum and nematode populations, the benefits of plant protectant applications might not appear until intense biotic stresses join forces to compromise root health. And when it comes to root health, by the time you see stress on the surface, the damage is already done. Get ahead and stay ahead with Resilia and Indemnify.

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