

GCSAA's Research Program

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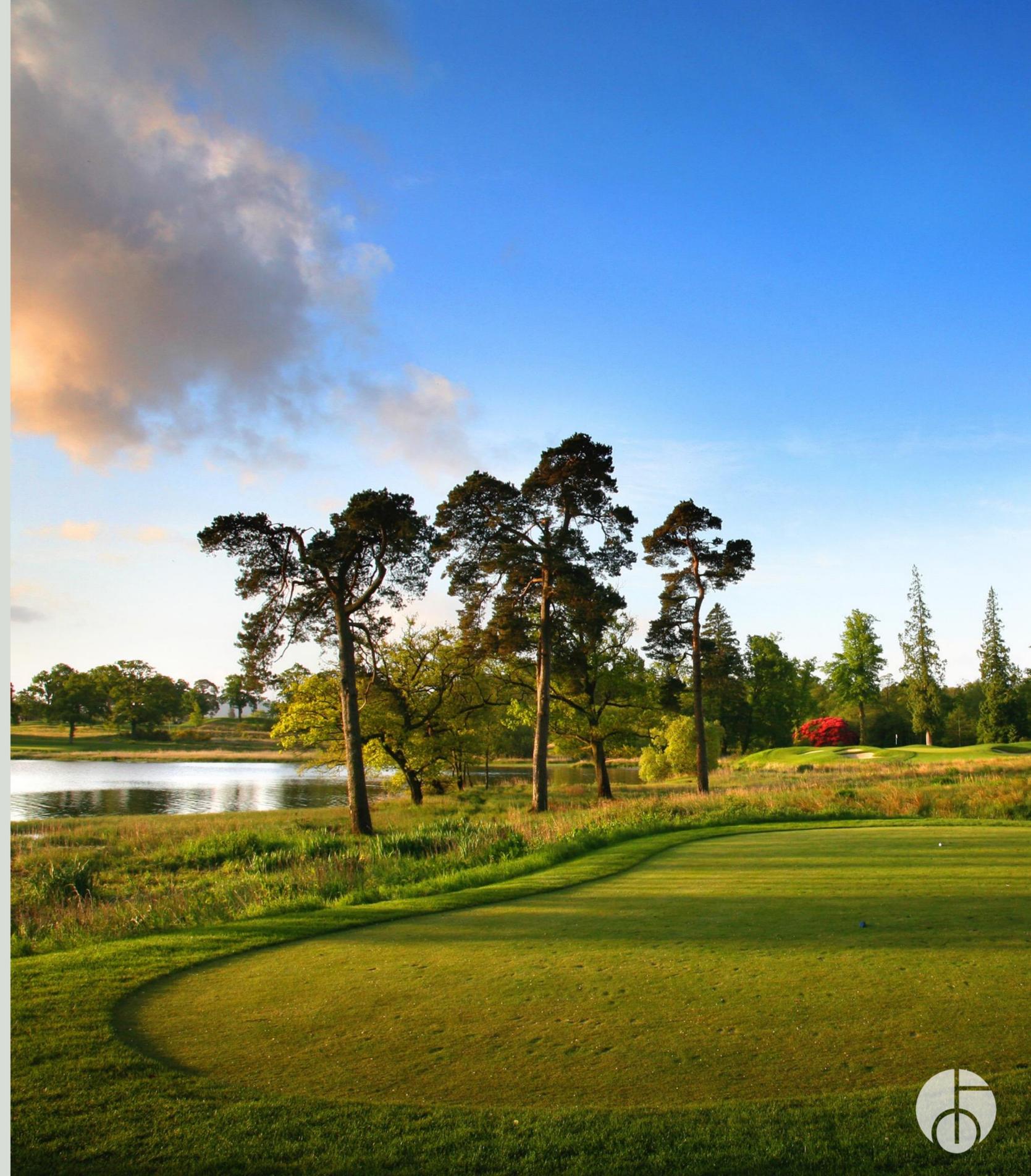
Purpose

- Providing funding for applied agronomic, environmental, and regulatory research that will benefit golf course superintendents and the golf courses they manage.
- Providing funding for basic research for turfgrass or related programs that benefit superintendents and that may provide training for graduate students seeking an advanced degree.
Specific only to the O.J. Noer Grant.



Qualifying organizations

Universities/Colleges recognized and accredited by U.S. Department of Education (ED) and/or ED recognized higher education accrediting entities.





Chapter Cooperative Research Program: To cooperate with chapters by providing matching funds for applied agronomic, environmental, or regulatory research that has been identified by the chapter as a significant local issue. The goal is to fund research that is important to superintendents.

Dr. Michael Hurdzan Endowment: To support applied environmental research on golf courses, with the specific goal of reducing requirements for water, fertilizer, pesticides, or fossil fuels in golf course maintenance. The goal is to make golf courses more sustainable through innovative products and practices.

Mark Kizziar Research Grant: To support applied research for optimizing water use on golf courses. The goal is to develop maintenance practices that result in well-conditioned golf courses which minimize the consumption of water resources.

Aquatrol's Robert A. Moore Endowment: To support applied research for optimizing the growing environment for golf course turf, with specific goals for increasing the effectiveness of applied water, fertilizers and pesticides and thereby reducing the total requirements. The goal is to develop maintenance practices that result in beautiful golf courses with minimal impact on the environment and consumption of resources.

O.J. Noer Research Endowment: To support basic research for turfgrass or related programs that benefit superintendents and may provide training for graduate students seeking an advanced degree.

Grant opportunities

- Chapter cooperative research grants
- GCSAA research grants – Endowments or in general

Grant levels

- Up to \$15,000 per year for a max of 2 years or \$30,000 total
- GCSAA current annual research funding is approximately \$110,000 - \$150,000
- Typically fund 5 to 7 projects annually the past few years



Research topics

Completed and current research listed on eifg.org*

- Spans multiple turfgrass management topics; disease, insects, weeds to cultural practices, drone focused applications for turf, wetting agents, plus

**EIFG, Environmental Institute for Golf is GCSAA's philanthropic organization and solicits funding for GCSAA's research program*



Current Research Grant Program projects

Optimizing Fungicide Programming for Dollar Spot Control in Bentgrass Fairways

James A. Murphy Ph.D., Rutgers University. Chapter Cooperative Grant co-funded by GCSA of New Jersey Foundation and the New Jersey Turfgrass Foundation.

Development of Solutions for Goosegrass Herbicide Resistance and Dwarfism in Golf Course Putting Greens

Scott McElroy Ph.D., Auburn University. Chapter Cooperative Grant co-funded by the Alabama GCSA and Alabama Turf Research Foundation.

Long Term Effects of Topdressing and Cultivation Practices on an Annual Bluegrass Putting Green

Alec Kowalewski, Ph.D., Oregon State University. Chapter Cooperative Grant co-funded by Oregon GCSA and Northern California GCSA

Developing Minimum Levels for Sustainable Nutrition (MLSN) for New England Golf Course Soils

Karl Guillard, Ph.D., University of Connecticut. Dr. Michael Hurdzan Endowment Grant.

O.J. Noer

Microbial communities associated with dollar spot suppressive soils on golf courses

Paul Koch, Ph.D., University of Wisconsin. O.J. Noer Research Grant co-funded by Wisconsin GCSA.

Long-term suppression of turfgrass insect pests with native persistent entomopathogenic nematodes

Albrecht M. Koppenhöffer, Ph.D., Rutgers University O.J. Noer Research Grant.





Research topics

Future research guided by focus of endowments and chapter needs:

- Practical and cost-effective solutions to issues superintendents face with pests and their control
- New and alternative management practices (resources, inputs, cultural practices, etc.)
- Applied technological solutions to turf management with focus on those issues

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For more information on GCSAA's research grants visit: eifg.org

Or

Contact Mark Johnson at mjohnson@gcsaa.org