

Project Title

Disease Biological Control in Turfgrass in Southern Europe

Project Duration

2023-2024

Description

Turfgrass diseases like dollar spot, Pythium foliar blight and root rot, anthracnose, and nematodes cause serious damage in golf courses and traditionally have relied on chemical control methods.

Dollar spot, caused by fungal pathogens *Clarireedia* spp., is the most common and widely distributed disease of turfgrass worldwide. It is a debilitating fungal disease of cool and warm-season turfgrass species which can drastically reduce both the aesthetic quality and playability of highly maintained turf.

This research project aims to further the understanding, prevention and management of dollar spot, Pythium foliar blight and root rot, anthracnose, and diseases caused by phytopathogen nematodes. It will investigate the identity, virulence, and distribution of *Clarireedia* spp. causing dollar spot in golf facilities in South and Central Europe, evaluate the efficacy of several biocontrol agents, and trial the potential of imaging technology in early identification of turfgrass disease.

Through scientific trials, the project will produce research papers and summaries helping to guide the industry in the adoption of integrated pest management techniques.

Project Led By

Royal Spanish Golf Federation

Project Supported By

University of Seville

Spanish Greenkeepers Association

The project is aligned with the GC2030 theme(s) of:
Sustainable Agronomy

Resources