Golf Course 2030
Project Outline

Project Title
Effects of Biostimulants and Microorganisms Against Most Common Turfgrass Diseases in Italy

Project Duration
2023-2025

Description
Chemical restrictions are becoming a major problem for turfgrass management, and only one fungicide is now labelled for turf disease control in Italy on golf courses. Most of the commonly used fungicides, moreover, showed a lower efficacy and several dollar spot strains have developed resistance. In this framework, it's important to evaluate the efficacy of alternative products such as plant growth promoter microorganisms, plant-based extracts, and resistance inducers. that could be able to control the pathogen.

The purpose of the project is to evaluate the effectiveness of biostimulants, alone or in combination with microorganisms that could be antagonists of the most common turfgrass diseases in Italy, in particular Clarireedia spp. (Dollar spot) and Rhizoctonia solani (brown patch) and recently introduced warm season grasses diseases (Bipolaris spp.). The study is also focused on evaluating the effects of these products on stress resistance.

Starting with greenhouse trials, and advancing the most effective strategies for field trials on golf courses the project will deliver technical and scientific papers, and summaries of practical options for golf facilities to consider and share outcomes via national and international presentations.

Project Led By
Federazione Italiana Golf

Project Supported By
Università di Torino
ANTNET Srl

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

Resources