Increased soil fertility and leaf and root growth in sports turf

CASE STUDIES

Background

In February 2019, the company **ficosterra** requested that the Madrid Institute for Rural, Agrarian, and Food Research and Development (IMIDRA) carry out tests on different types of lawns and soils to measure the effectiveness of the biostimulant **ficosturf**®

ficosturf® is a natural product, certified by SHC, without chemical additives, that applies BCB (Biological Crop Booster) technology that combines beneficial microbial complexes in an optimal culture of agarophyte algae extract whose main function is the digestion of organic matter and the release of nutrients provided by fertilization and/or blocked by the soil, making them more easily assimilated by the grass and improving its color and health.

100% Eco

Objectives pursued:

1
Increase in the availability of nutrients

2
Increase in the percentage of organic matter

3
Root enlargement

4
Reduction of fertilization and its impact on the environment

Test description

📍 Place: Encín Golf, Alcalá de Henares, Madrid
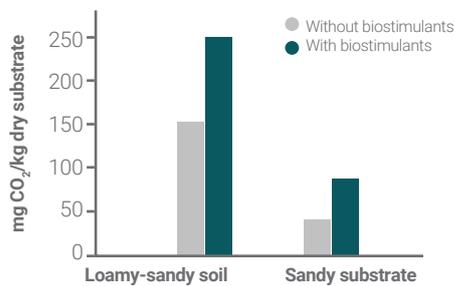
🧪 Product consumption: seventy liters in two applications
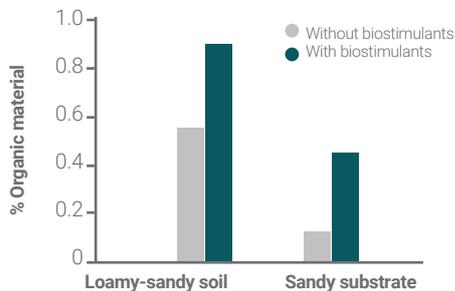
📅 Study dates: May - November 2019

↗ Chipping Green area: 605m²
- *350m² treated with Ficosturf*
- *255m² control*

Results obtained

Increased microbial activity

y-axis: mg CO_2/kg dry substrate (0, 50, 100, 150, 200, 250)

- Without biostimulants
- With biostimulants

x-axis: Loamy-sandy soil, Sandy substrate

Increase in the percentage of organic material

y-axis: % Organic material (0, 0.2, 0.4, 0.6, 0.8, 1.0)

- Without biostimulants
- With biostimulants

x-axis: Loamy-sandy soil, Sandy substrate

Root enlargement

With Ficosturf

Without Ficosturf

Benefits of Ficosturf

📈 Increase in economic benefits due to increased production

👍 Improvement of crop efficiency, reinstating soil microbiota

🌱 Respect for the environment when applying an ecological product that helps sustainability