

Increase in the profitability of wheat crops

“Campaign 2022”



CASE STUDIES

Background

In November **ficosterra** 2021, began a trial to measure the effectiveness of the biostimulant in **cystium-k**® 120ha of dry wheat. **cystium-k**® is a pure extract of the marine algae *Macrocystis pyrifera* certified by SHC and OMRI. The *Macrocystis pyrifera* grows in the waters of the Pacific Ocean, forming dense forests up to 60 meters high in a habitat with a high concentration of nutrients and numerous active ingredients. The habitat in which it develops is one of the richest in the Ocean, with a high concentration of nutrients and numerous active principles.

The **Cystium Technology** developed by Ficosterra allows for an exclusive extraction system of active principles of high agronomic value that provide the crop with a high content of alginates and elicitors that provide the plant with a greater capacity to defend itself against diseases (pests, bacteria, pathogens) or stress (extreme cold or heat temperatures; sudden changes in temperature, drought, agrochemical handling, etc.).



Objectives pursued:

1

Increased crop profitability

2

Increased crop production

3

Increased protein content

4

Sanitary improvement of the crop

Test description



Location: 120ha in Sotragero, Burgos, Spain, 60ha/treated and 60ha/control



Product consumption: 2lts/hectare.
Applied with the herbicide cart

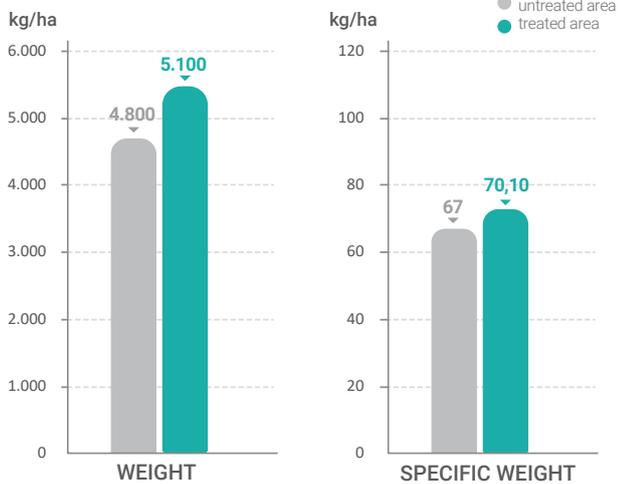


Start date: November 2021

End of trial: August 2022

Application time: end of March 2022
(taking advantage of rain)

Results obtained



PROFITABILITY/ECONOMIC BENEFITS

+ €70/ha after expenses

Difference between untreated area (left) and treated area (right)



untreated area



treated area

Benefits of cystium-k®



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



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