

Introduction of Spirulina cultivation in Catalan society

Summary

Spirulina is the most microalgae cultivated in the world with more than 5,000 tons / year and demand keeps growing.

Catalonia imports 100% of this product and this project seeks to respond to this shortcoming in the productive developing productive projects adapted to the weather conditions and Catalan culture. In this context, keywords production systems are developed: a product towards a healthy and balanced diet, organic farming and integrated environment, positive caption of CO2 in the whole process, automatic and intelligent crops, local distribution or even non-existent in the case of growing for self-consumption.

Objectives

To introduce the cultivation of spirulina as a model of sustainable production within agriculture Catalan. To introduce spirulina as a food that can be produced at home for self-supply easily and fights against climate change.

Conclusions

The theoretical basis prior to a pilot plant allows us to conclude that:
Spirulina is a food that contributes to the health of people and the environment.
Catalonia gathers weather conditions and cultural country become a leader in the production of spirulina. It is difficult to establish itself as a producer of spirulina, since there is no specific legislation Catalonia and the Administration does not know how to respond in this case yet.
Sensors and automation can greatly simplify production processes and crop management.
Production costs in a crop for consumption may be lower than usual retail price.

Operational Group Leader

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Tipologia d'entitat:
Empresa agrària

Keyword-category

Farming / forestry competitiveness and

Territorial scope

Província
Lleida

County
Segrià

Project dissemination *(publications, seminars, multimedia...)*

A l'espera de la implementació de la prova pilot.

Project website

Other project information

Project period

Approved budget

Starting date (month-year): Novembre 2015

Total budget: 19.750,00 €

End date (month-year): Setembre 2016

Funding source DARP: 7.880,25 €

Project status: *Finalised*

Funding source EU: 5.944,75 €

Own funds: 5.925,00 €

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