plantsforplants

Plants talk.

Plants for Plants is a truly revolutionary approach that is suitable for fertigation and foliar application for conventional and organic agriculture around the world. Instead of focusing on the effect of individual molecules, we focus on the plant and let nature guide us. The Plants for Plants project was awarded a grant by LIFE, the EU's funding instrument for the environment and climate action.

Plants talk. We listen.

Plants talk

Plants know perfectly well what is good for them.

During millions of years they have adapted to changing conditions and overcome diseases. The diversity of nature proves to be the best context for plants to prosper.

How can we blend this tremendous ability of nature into the everyday practice of agriculture? We have been working on the answer to this question for the past ten years.

We discovered what plants already knew for millions of years.

We listen

For the last ten years, LandLab in Italy and Van Iperen International collaborated in a joint project called Plants for Plants.

Instead of focusing on the effect of individual molecules, we focus on the plant and let nature guide us.

Plants have more fantasy.

Briefly: first we figure out what the crop lacks. Then we look for another species that has already acquired the properties that are needed. We then take a tailored extract of this plant and apply it to the crop through fertilization programs.

Crops respond

By using organic plant extracts, LandLab was able to trigger specific reactions.

Using this method among various species they improved water use efficiency, nutrient use efficiency and reduced sensitivity to diseases.

The tailored extracts are purely organic and have food grade quality. The first products are expected to enter the market in 2022.

New generation of biostimulants for conventional and organic agriculture.

Goal

Introduce in conventional agriculture new organic bio-stimulants, plant-derived, aiming to reduce irrigation and chemical commodities while boosting crops production.

Solutions

For foliar application

WUE water use efficiency

Crop resilience to drought stress

For fertigation

PUE nutrient use efficiency

Better uptake of phosphate

For foliar application

CFE crop fortification efficiency

Reduced sensitivity to diseases

Key actions

1 **Optimisation of extracts.** Transformation to marketable product

2 **Demonstration trials.** 11 EU countries: 5 different climatic zones

3 **Pilot plant construction.** Scaling up the production

4 **Registrations as biostimulant.** New EU Regulation 2019 / 1009

5 **Market preparation, dissemination.** Distribution strategy to cover all segments

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