Symborg

• Symborg, leader in biotechnology and agricultural innovation

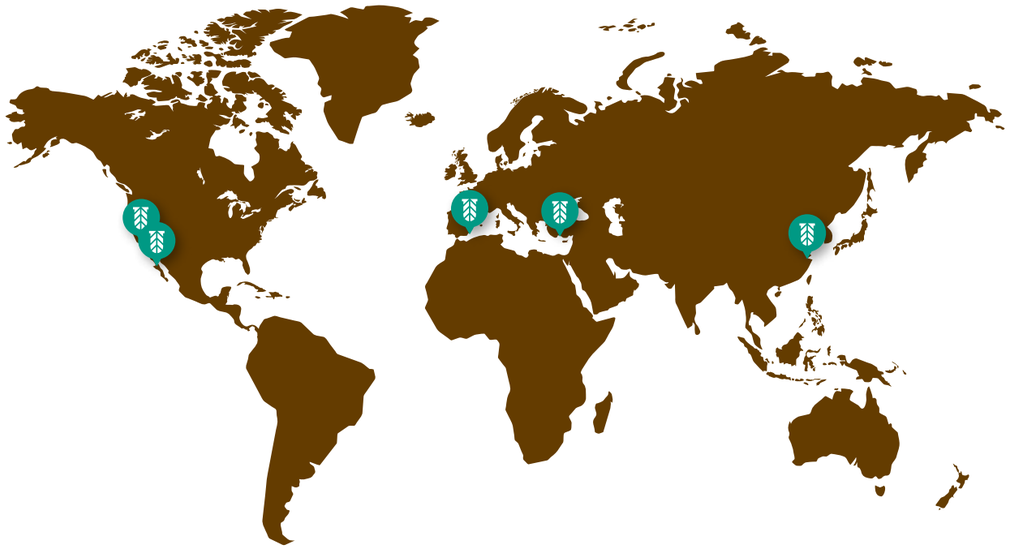
Symborg is a leader in agricultural biotechnology research development and innovation.

The company helps growers to maximize crop yields while overcoming the challenge of sustainability, providing them with innovative biological solutions.

Focusing on developing patented technology, Symborg shares its expertise at an international level: today, the company has subsidiaries in Spain, United States, Mexico, Turkey, China.

• A committed player in biotechnology applied to agriculture

Symborg contributes daily to the promotion of mycorrhizal research and developments throughout the world as a member of the IMS International Mycorrhiza Society. The company also participates actively in promoting the concept of biological control methods in sustainable agriculture and increase the awareness of biopesticides as effective products, and realizes improvements to the regulatory process around the world.



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Symborg

Resid HC

MAXIMIZE GROWTH POTENTIAL

Biological Inoculant developed for the seeds coating compound of a new and unique species of **mycorrhizae-forming fungus**:

Glomus iranicum var tenuihypharum

- **Crop production and homogeneity**
- **Physical, chemical and microbiological soil properties**

Resid HC is a Biological Inoculant specially developed for the treatment of seeds with a concentrated formulation (wettable powder) which allows the seeds coating.

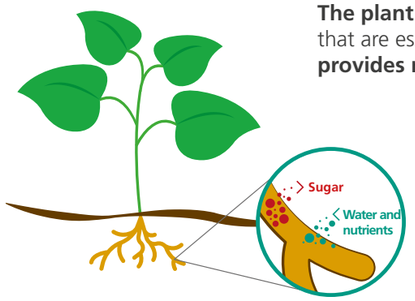
Resid HC stimulates and increased **root growth**, improving the **efficiency of water use and nutrients absorption** thereby achieving **greater physiological activity, increasing crop yields and fruit quality.**

Resid HC: The Mycorrhizal Symbiosis of *Glomus iranicum var tenuihypharum* with the plant

Resid HC, always effective

Glomus iranicum var tenuihypharum is said to be a "Symbiotic" fungus: it always adapts to the crop because it **depends directly on the plant** and not on the environment.

Resid HC, the mutually beneficial relationship with the plant



The plant provides *Glomus iranicum var tenuihypharum* with sugars that are essential for its survival. *Glomus iranicum var tenuihypharum* in turn **provides nutrients and water to the plant**.

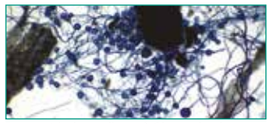
Glomus iranicum var tenuihypharum: Unique and exclusive new mycorrhizal-forming fungus

Characteristics

Abundant production of extramatrical mycelium
Essential for efficient transfer of nutrients and water from the soil to the plant

External sporulation of the root
The root continuity is not interrupted. Uptake and transport of water and nutrients in the root more efficient. Less energy cost to the plant

Tolerance to high concentrations of fertilizers
Perfect integration with fertilization protocols of intensive agriculture
High resistance to saline conditions


Extramatrical mycelium of *Glomus iranicum var tenuihypharum*


External sporulation of *Glomus iranicum var tenuihypharum*

Actions

Rapid and effective colonization in the root of the plant

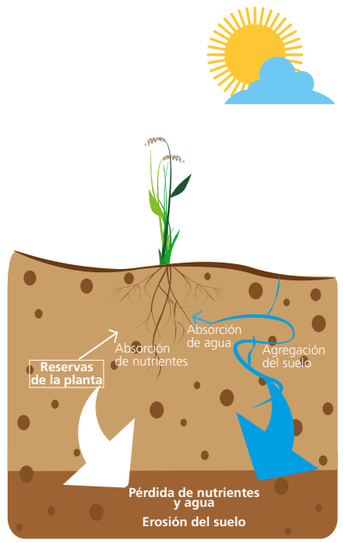
Increase in the **absorption of nutrients** by the plant

Increase in the physiological activity of the plant

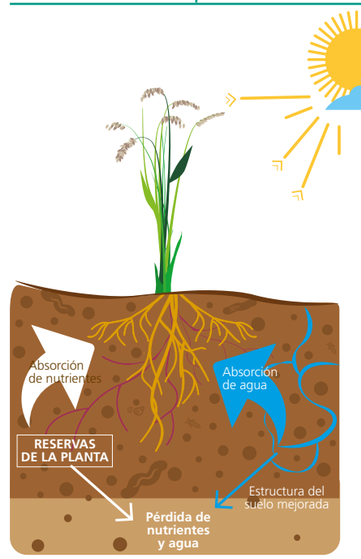
Positive action on the hormone balance of the plant

Activity of a plant treated with **Resid HC** vs an untreated plant

Untreated plant



Treated plant with **Resid HC**



Appearance of ***Glomus iranicum var tenuihypharum*** **hyphae**
Higher **photosynthetic activity**
Higher **absorption of nutrients and water**
Lower **loss of nutrients and water**
Better soil structure
Increase in **biomass**
Increase in **fruit production**

Trial results

■ Control
■ **Resid HC**

Results in corn

GRAIN WEIGHT (KG)

3,19 Control
3,77 **Resid HC**

TOTAL CROP PRODUCTION (KG)

12.920 Control
15.269 **Resid HC**

18% INCREASE

Results in wheat

INCREASE (KG/HA)

6.000
7.000

16% INCREASE