

Growspore

Microspore strongly believes that liquid fertilization represents a way to supply specific vegetable nutritions also to extensive crops like cereals or maize.

Microspore technology has developed a specific formulation for those farmers focused on maximizing their yields and on providing natural resistance to stresses thanks to the presence of microorganisms.

GROWSPORE has selected the highest quality of raw materials with the purpose of creating these innovative products. Seaweed necessary selection for products formulation has been

managed by a strict control on quality process both at the source and before the product transformation.

This line has been created by Spore Green Biotech (SGB) System, specifically studied to a healthy and balanced plant development and to increase crop production, both in quality and in quantity, with a mix of natural ingredients skillfully blended to enhance the effects of the microbial group.



SOLUTION FOR THE PREVENTION OF BIOTIC AND ABIOTIC STRESSES

Specific action product - Leonardite humic extracts with KOH

FEATURES

Growspore RT results from Microspore's research activities. This product joins a high concentration humic extracts base with the Microtech SBX formulation, which provides a synergic action in the soil.

The humic extracts enhance the microflora and associated bacteria development and provide them with nutrients. In particular, the fulvic fraction directly stimulates the root system development using molecules of low molecular weight. The humic fraction, instead, not only provides nutrients to the bacterial flora, but also performs nutrients chelation that stimulate their absorption.

The bacteria pool included in Microtech SBX stimulated during the roots reproduction also provides the following features:

- It promotes the root growth producing hormonal substances during their natural development.
- It produces substances against rhizosphere pathogens invading their space in the soil.
- It activates the natural hormones synthesis (IAA) which helps a the better growth of the plant.
- It helps transfer of nutrients to the roots (siderophores action).

APPLICATION

CROP	DOSE	USE AND SUGGESTION
Fertigation		
Greenhouse Leafy and fruiting vegetables	200-400 ml/1000 s.q.	From first steps of crop cycle to half cycle.
Open field vegetables (lettuce, industrial tomatoes, potatoes, zucchini, melon etc.)	3-4 l/ha	From transplant to intermediate steps
Fruit trees and grape	2-3 l/ha	From spring new vegetative growth to fruits complete enlargement.
Flower in pot (poinsettia, primrose, gardenia, hydrangea, azalea, annual, etc.)	1,5-2 l/1000 s.q.	During vegetative development and plant development.
Fruit and ornamental nursery (Conifers, deciduous, etc.)	1,5-2 l/ha	4-5 applications from first steps

NOTE: the indicated dosages integrate the normal fertigation applications or the soil liquid applications

COMPOSITION (% W/W)

Basic Organic matter	14%
Total Organic matter	70% s.s.
Humified organic matter on organic matter	80% s.s.
Organic Nitrogen (N)	0,7% s.s.
C/N Balance	60
Extracting mean: Potassium Hydroxide (KOH)	

Inoculum Biological composition: Microtech SBX

PACKAGING: 1l bottle, 5 l tank



SOLUTION FOR THE PREVENTION OF BIOTIC AND ABIOTIC STRESSES

CE FERTILIZER - Microelements fluid mixture with Boron (B), Iron (Fe), Manganese (Mn) and Zinc (Ammonium lignosulphonate)

FEATURES

GROWSPORE LF results from Microspore's research activities. It has a composition based on microelements which is joined with a complexing organic matrix integrated by the microbiological formulation Microtech SBX. The organic matrix performs a stimulating action during the leaf biochemical processes (photosynthesis and protein synthesis), and it also protects crops against hydric and thermic stresses. Microtech SBX, due to its formulation based on different microbial strains, is able to stimulate the production of natural phytohormones, it prevents critic conditions caused by colonies pathogenic, produces substances which promote the plant resistance and also creates healthy environments by colonizing the vegetal tissues.

GROWSPORE LF, thanks to its formulation, is able to enhance crops since their very first steps, both stimulating the vegetative functions and helping the crops in the next steps.

APPLICATION

CROP	DOSE	USE AND SUGGESTION
Foliar		
Fruit trees (Pear fruit, Apple tree, peach tree, Cherry tree, Grape, Kiwi fruit, etc.)	200- 250 ml/hl	From spring new vegetative growth to fruits development
Citrus	150-200 ml/hl	From new vegetative growth to fruit development.
Leafy and fruiting vegetables (tomatoes, eggplant, strawberries, lettuce, fennel, etc.)	150-200 ml/hl	From first steps to complete cycle.
Industrial tomatoes	1,5-2 l/ha	From transplant to pre-veraison
Arable crops (Maize, Soya bean, Rapeseed, Sunflowers, etc.)	2-3 l/ha	Joined to post-emergency weeding and insecticide.
Ornamentals and flowers	150-200 ml/hl	First crop steps
NOTE: the indicated dosages integrate the normal fertigation applications or the soil liquid applications		

COMPOSITION (% W/W)

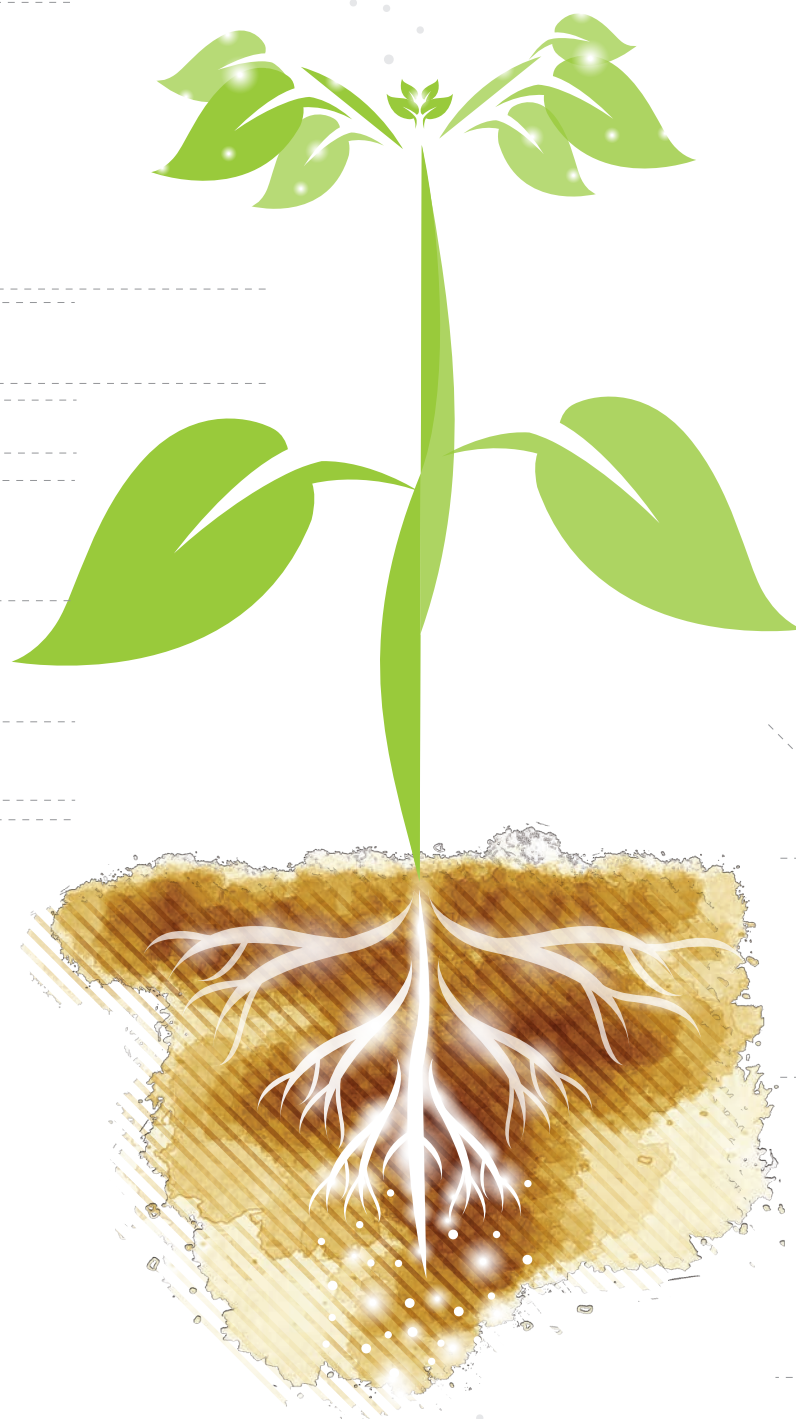
Boron (B) Water Soluble	0,5%
Copper (Cu) Water Soluble	0,25%
Copper (Cu) Complexed by Ammonium lignosulphonate	0,2%
Iron (Fe) Water Soluble	1,5%
Iron (Fe) Complexed by Ammonium lignosulphonate	1,2%
Manganese (Mn) Water Soluble	1,0%
Managnese (Mn) Complexed by Ammonium lignosulphonate	0,8%
Zinc (Zn) Water Soluble	1,0%
Zinc (Zn) Complexed by Ammonium lignosulphonate	0,8%
Elements complexed by LSA are stable in the pH range 3-8,5	

Inoculum Biological composition: Microtech SBX



PACKAGING: 1 l bottle, 5 l tank

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The synergic action of **Growspore RT** and **Growspore LF** increases the root development and improves all the plant processes.