

Leaf Power

NPK 1 - 1 - 1

MICROBIAL INOCULANT - GROWTH STIMULATOR - LIQUID FOLIAR FERTILIZER



Leaf Power is an organic foliar fertilizer that acts both as a microbial inoculant and as a growth stimulator. **Leaf Power** contains the bacteria *Bacillus subtilis* and *Bacillus subtilis GBO3* in the endospore form. The above beneficial bacteria are in a liquid nutrient substrate.

Leaf Power is an excellent microbial inoculant since its beneficial bacteria:

- Occur naturally on the leaves, the shoot and the rhizosphere of most plant species.
- Colonize rapidly the foliage of the plants, contributing to the nutrition and vigour of the plants.
- Secrete substances (auxins) that promote the plant growth.
- Supply the plants with nutrients that are readily available to them. As soon as **Leaf Power** is applied on the foliage of the plants, the endospores germinate and the bacteria that occur, start to proliferate and decompose the organic substrate of the product, offering nutrients to the plants.
- Secrete substances that fortify the resistance of plants in stress periods.
- Release substances-lipopeptides that act as a protective shield for the foliage of the plants.
- Inhibit the colonization and proliferation of the pathogens on the foliage of the plants.

Leaf Power is also a great plant growth stimulator since its organic liquid substrate:

- Is composed of micro- and macro- nutrients, trace elements, amino acids, saccharides, chelating agents etc, ensuring the complete nutrition of the plants.
- Stimulates and accelerates the biological processes that take place in the aboveground part of the plants and trees.
- Enhances the vigor of the crop.
- Increases the yield of crops and thereby the profit of farmers.



PROPERTIES

- Enhances the resistance of plants during stress periods.
- Is an excellent plant growth stimulator that contributes to the acceleration of biological processes that take place in the aboveground part of plants and trees.
- Supplies the plants with mineral nutrients that are readily assimilated by the plants.
- Supplies the plants with nutrients that contribute to the better nutrition of the plants and the enhancement of their vigour.
- Promotes the plant growth.
- Acts as a protective shield for the foliage of the plants.
- Inhibits the colonization and the proliferation of pathogens on the leaves of the plants.
- Enhances the defense mechanisms of the plants.
- Enhances crop yield.
- Increases the farmer's profit.

Produced by

HUMOFERT



CROP	APPLICATIONS
Asparagus, Corns	Apply a spraying program every 7-15 days after emergence
Tomatoes, Peppers, Eggplants, Fruit vegetables	Right after the emergence or transplanting and then every 5-10 days
Melons, Watermelons, Cucumbers & other cucurbits	Right after the emergence or transplanting and then every 7-15 days
Leafy, Bulbous, Root and Tuberous Vegetables	Right after planting, after thinning and then every 7-15 days
Legumes, Cabbagecauliflowers	Right after the emergence or transplanting and then every 7-15 days
Strawberry	At flowering or right after flowering and then every 7-15 days
Vineyard	After winter pruning, at 1-4 cm cane, at 7-12 cm and 20-25 cm cane and then every 7-15 days (applications are recommended at blooming, sizing, ripening and prior to harvest)
Citrus	At the emergence of the first new leaves and then every 7-15 days (applications are recommended at the start of blooming, at petal fall and when the fruit diameter is 1-2 cm)
Pome fruits	At green tip and then every 3-10 days
Stone fruits	Initially prior to flowering and then every 7-15 days
Nut trees	2 weeks before flowering and then every 7-10 days
Lawn, Turf	Right after the emergence or transplanting and then every 7-15 days
Pastures, Fodders	Right after the emergence and then every 7-15 days
Ornamental plants, Bushes	From the initial growth stages and then every 7-15 days

RECOMMENDED APPLICATION SPRAYING RATES

5 - 10 liters per ha diluted in an appropriate amount of water depending on the type and the size of the crop. The dilution rate must not exceed 10 ml per liter of water. In ornamental plants the application rate is 250-400 ml per 100 liters of water. In the nursery the application rate is 125 ml per 100 liters of water.



Leaf-Power is applied foliarly by spraying thoroughly the entire leaf area. **Leaf Power** can be applied even on the day of the harvest. The **pH** of the spraying solution must be adjusted near the buffer zone (6.5-7.5). The application of **Leaf-Power** should be avoided in case rainfall is expected. In case of rain after the application (5-7 days after the spraying) it is recommended to repeat the spraying.

It is recommended **Leaf Power** to be combined with **BACTA-FOOD** which is an excellent food source for the beneficial microorganisms of **Leaf Power**. **BACTA-FOOD** stimulates the germination of the endospores and the proliferation of the bacteria. In this way, **BACTA-FOOD** ensures the increase of the microbial population and the maximum microbial activity.