

- Specification Sheet -

LEAF POWER

Leaf Power is a composite organic foliar fertilizer that combines the properties of a growth biostimulant and an excellent microbial inoculant. **Leaf Power** contains beneficial bacteria in the endospore form that occur naturally on leaves, shoots and rhizosphere of most plant species. The rich in nutrients substrate of **Leaf Power** is an ideal food source for the microorganisms that contributes to the germination of the endospores and the proliferation of the bacteria just after the application of the product on the foliage of the plants. As soon as **Leaf Power** is applied on the leaves, the endospores are activated and the bacillus that occur, start to proliferate and decompose the organic substrate of **Leaf Power**, releasing nutrients that are readily available to the plants. At the same time, the beneficial bacteria of **Leaf Power** secrete proteins that promote the plants' growth and also release lipopeptides that act as a protective shield for the foliage of the plants. In addition, the beneficial bacteria of **Leaf Power** produce and secrete substances that fortify the resistance of the plants in stress periods. Apart from a microbial inoculant, **Leaf Power** is also an excellent growth biostimulant since its nutrient substrate offers plants micro- and macro-nutrients, trace elements, amino acids, saccharides and organic chelating agents contributing to the plants' nutrition and vigor.

PROPERTIES AND USES:

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

APPLICATION:

Leaf Power is applied foliarly by spraying thoroughly the entire leaf area, while in vineyard is recommended to spray also the bunch of grapes. The number of required applications depends on the crop, the conditions of the region and the plants condition.

Application Rate: Generally it is applied at the following application rate.

Foliar application: 5-10 l/ha diluted in an appropriate amount of water depending on the type and size of the crop. The dilution rate should not exceed 10 ml/l of water.

STANDARD ANALYSIS	(w/w)	(w/v)
Nitrogen (N)	1.32 %	1.49 %
Phosphorus (P ₂ O ₅)	1.02 %	1.15 %
Potassium (K ₂ O)	1.40 %	1.58 %
Calcium (CaO)	0.28 %	0.32 %
Magnesium (MgO)	0.06 %	0.07 %
Sulphur (S)	0.05 %	0.06 %

PHYSICAL PROPERTIES:

Appearance: Fine brown-black fluid
Density: 1.13 g/ml
Solubility: 100% water soluble
pH: 4.8-5.08