

- Specification Sheet -

BIOGENESIS

Biogenesis is a liquid organic fertilizer that comes from natural bioactive raw materials. Its main active ingredients are natural plant growth regulators (cytokinins, auxins, gibberellins), amino acids, carbohydrates, humic and fulvic acids and macro- and micro- nutrients K, N, Fe, Mn, Cu, Mg, Zn, Ca, B, S.

PROPERTIES AND USES:

- Achieves earlier harvest by 3-10 days.
- Increases the populations of the soil beneficial microorganisms (e.g. pseudomonas bacteria, actinomycetes etc) which assist in the plant growth and are competing with the soil pathogens.
- Reduced diseases of the root.
- Improves the soil conditions which allow a better aeration of the soil and penetration of the roots.
- Creates complex, organic compounds which bind the mineral nutrients of the soil, reducing their leaching and increasing their availability to the plants.
- Increases the tolerance of the plants against frost and drought.
- Increases significantly the production and the quality of the harvest leading to the increase of the grower's profit.

APPLICATION:

Biogenesis is applied mainly by fertigation on the soil through all irrigation systems and also by drenching the plants and the seeds. It can also be applied directly on the soil surface.

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

Soil applications: Apply by fertigation at a rate of 2-10 l/ha.

Foliar application: 10-20 l/ha

STANDARD ANALYSIS

	(w/w)	(w/v)
Nitrogen (N)	0.06 %	0.06 %
Phosphorus (P ₂ O ₅)	0.04 %	0.04 %
Potassium (K ₂ O)	1.12 %	1.12 %
Calcium (CaO)	0.04 %	0.04 %
Magnesium (MgO)	0.05 %	0.05 %
Sulphur (S)	0.07 %	0.07 %
Ferrum (Fe)	500 ppm	500 ppm
Zinc (Zn)	400 ppm	400 ppm
Manganese (Mn)	300 ppm	300 ppm

Copper (Cu)	100 ppm	100 ppm
Boron (B)	200 ppm	200 ppm

PHYSICAL PROPERTIES:

Appearance: Fine brown-black fluid
Density: 1.0 g/ml
Solubility: 100% water soluble
pH: 8.6