

# Biofertilin-L

2 - 0.5 - 4

## Liquid Organic Soil Amendment

**Biofertilin-L 2-0.5-4** is a liquid organic Nitrogen - Potassium fertilizer which is also being used as a soil amendment since it highly enhances the fertility of soils.

### Synthesis

Nitrogen (N)	2.0%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.5%
Potassium (K <sub>2</sub> O)	4.0%
Amino acids	11.5%
Saccharides	37.0%
Organic matter	54.0%
pH	6.0-6.5



**Biofertilin-L 2-0.5-4** contains organic nitrogen derived from the mild enzymatic hydrolysis of proteins. It also contains phosphorus and potassium derived from organic raw materials and also calcium and magnesium derived from the extract of plant tissues. Last but not least, it contains a high content of organic matter (>54%), amino acids and oligosaccharides.

**Biofertilin-L 2-0.5-4** is recommended to be applied often in the nutritional program of the plants from the beginning of the growing season when the plants have high needs in nitrogen until the harvest when potassium and oligosaccharides will improve the qualitative characteristics of the harvest. The application of **Biofertilin-L 2-0.5-4** has very good results in the recovery of plants after periods of intense stress caused by extreme weather phenomena. **Biofertilin-L 2-0.5-4** is applied mainly through fertigation.

## Benefits of Biofertilin-L 2-0.5-4

### At a level of plant

- ★ Enhances plant growth due to the nitrogen and the amino acids that it contains.
- ★ Stimulates the growth of the root system.
- ★ Accelerates the maturing of the crop (earliness).
- ★ Improves the qualitative characteristics of the harvest (scent, flavour and colour).
- ★ Enhances the resistance of plants against stress.
- ★ Increases the assimilation of chemical fertilizers by the plants.
- ★ Chelates the nutrients that are present in the soil and as a result they are transformed in forms readily assimilated by the plant roots.

### At a level of soil

- ★ Increases the organic matter of the soil.
- ★ Contains sugars which are a food source for the beneficial microorganisms of the soil.
- ★ Improves the physicochemical properties of the soil.
- ★ Enhances the fertility of the cultivated soils.



## **APPLICATIONS-APPLICATION RATE**

**Biofertilin-L 2-0,5-4** is applied in the soil through the irrigation/fertilization system (fertilization) or by spraying around the root zone at the following application rates

<b>CROP</b>	<b>APPLICATIONS</b>	<b>APPLICATION RATE</b>
Greenhouse crops (cucumber, tomato, pepper, eggplant, melon, squash)	Every 7-15 days starting from transplanting until mid harvest	1-2 ml/plant
Open field crops (tomato, pepper, squash, eggplant, watermelon, melon)	Every 7-15 days starting from transplanting until mid harvest	1-2 ml/plant
Cabbage, Cauliflower, Broccoli, Lettuce, Endive, Asparagus	Every 7-10 days starting from the emergence of the first true leaves	1 ml/plant
Strawberry	Every 10-15 days from the initiation of growth until harvest	2-3 ml/plant
Potato	Every 10-14 days starting from the tuber formation until harvest	1-2 ml/plant
Carrot, Onion, Beetroot, Beet	Every 10-15 days starting from the 2nd-3rd week after the emergence up to the root enlargement	1-2 ml/plant
Parsley, Celery, Dill	Ever 15-20 days	20 l/ha
Tobacco	Every 10-14 days starting 10 days from transplanting	1-2 ml/plant
Cotton	After the 4 true leaf stage - After the boll set	1 ml/plant
Ornamental plants	Every 7-15 days	1-2 ml/plant
Bushes	Every 7-15 days	3-4 ml/bush
Lawn, Fodders	Ever 15-20 days	300 ml/100 sq.m.
Vineyard	Every 10-15 days starting from the stage prior to flowering until harvest	20-30 l/ha
Citrus, Kiwi	Every 10-15 days starting from the stage prior to flowering until harvest	20-30 l/ha
Apples, Pears, Figs	Every 10-15 days starting from the stage prior to flowering until harvest	20-30 l/ha
Apricots, Peaches, Cherries, Plums, other stone fruits	Every 10-15 days starting from the stage prior to flowering until harvest	20-30 l/ha

## **COMPATIBILITY**

It can be mixed with almost all fertilizers and chemical products. All water soluble powders must be dissolved in water before mixing with **BIOFERTIN-L 2-0.5-4**. In any case a test of compatibility is recommended before mixing in the tank.

