

Liquid Organic Nutritional Supplement

MUST

MUST is a liquid organic nutritional supplement for the plants containing saccharides, amino acids, humic and fulvic acids, proteins, chelated micronutrients, oils, natural wetting agents and plant extracts. These organic compounds are essential for the full coverage of the nutritional needs of the plants but also for the enrichment of the soil with substances that activate the soil mineral nutrients making them available to the plants and increasing the absorption of the fertilizers by the plants roots.

Humic acids

HUMIC ACIDS

Humic acids improve the properties of all types of soil. In clay soils they create pores in the soil allowing the roots to penetrate deeper. On the contrary, in sandy soils humic acids add organic matter which is necessary for enhanced retention of water and nutrients and also for deeper root development. Humic acids make soil's nutrients more available to the plants and stimulate the beneficial microbial activity in the soil.

Natural wetting agents

NATURAL WETTING AGENTS

Natural wetting agents contribute to better dispersion and retention of nutrients in the soil. They increase surface tension and help nutrients to be spread on the plant tissues and be easily assimilated by the root.

Oils

OILS

Oils assist in the retention of mineral nutrients and assure their maintenance in the soil near the root system for a longer period of time. In this way they make nutrients more available to the plant.

Micronutrients

MICRONUTRIENTS

Micronutrients are very important for the plant growth since they are part of the complete nutrition of plants and also help them fulfill their biological cycle. Without micronutrients, plant nutrition is incomplete resulting in deficiencies and reduction of the yield.

Fulvic acids

FULVIC ACIDS

Fulvic acids chelate nutrients and assist plants to uptake them easier. They increase root development, enhance cell divisions, stimulate plant growth and also fortify metabolism of the plants. Fulvic acids increase seed germination.

Amino acids

AMINO ACIDS

Amino acids participate in the formation of chlorophyll leading to amplified photosynthetic activity of the plants. This results in increased carbohydrates concentration inside the plant. At cellular level, amino acids increase the permeability of the cellular membrane enhancing the capacity of absorbing nutrients by the plant tissues.

Plant extracts

PLANT EXTRACTS

MUST contains a complex of organic compounds which fortifies root growth, creating a well developed root system. Plant extracts stimulate lateral root development. They improve the beneficial microbial activity and increase the resistance of plants against stress caused by various environmental and biotic factors.

Sugars

SUGARS

Sugars are organic compounds that have structural, energy and storage role (energy store) for the plants. They are a food source for the beneficial soil micro organisms and increase the capacity of the plants to uptake mineral nutrients.

APPLICATIONS APPLICATIONS RATES

It can be applied in the soil by fertigation through the irrigation/fertilization system or by drenching the root zone at the following application rates:

CROP	APPLICATIONS	DOSAGE
Greenhouse crops (cucumber, tomato, pepper, eggplant, melon, squash)	Every 7-10 days starting 1 week after the transplanting	20-40 l/ha
Open field fruiting vegetables (tomato, pepper, squash, eggplant, watermelon, melon)	Every 7-10 days starting 1 week after the transplanting	5-20 l/ha
Cabbage, Cauliflower, Broccoli, Lettuce, Endive, Asparagus	Every 5-7 days starting right after the planting	10-20 l/ha
Strawberry	Every 7-10 days starting 10 days after the transplanting	1-3 ml/plant
Potato, Carrot, Red beet, Onion, Sugar beets	Every 7-10 days starting right after the planting	5-20 l/ha
Parsley, Celery, Dil	Every 15 - 20 days	10-20 l/ha
Rice	Every 10-15 days starting right after the emergence from the water	10-20 l/ha
Ornamentals	Every 10-15 days	1-3 ml/plant
Bushes	Every 10-15 days	2-5 ml/bush
Lawns, Turfs	Every 10-15 days	20-30 l/ha
Vineyard	With every watering	10-30 l/ha
Citrus, Kiwi	With every watering	5-20 l/ha
Apples, Pears, Figs	With every watering	5-20 l/ha
Apricots, Peaches, Cherries, Plums, other stone fruits	With every watering	5-20 l/ha



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