AlgenMix NPK

BIOACTIVATOR
Complete bioactivator to improve fruit quality and size

Promotes development of fruits by improving their weight, texture, colour and Brix degree

Accelerates maturation and increases productivity

Optimizes the quality and shelf life of the production

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Characteristics

AlgenMix NPK is a highly balanced bioactivator that provides an optimal supply of Nitrogen, Phosphorus, and Potassium, ideal for stimulating vegetative growth, flowering and fruit development. The product is also enriched with a selection of essential micronutrients, including boron, copper, iron, manganese (Mn-EDTA), zinc (Zn-EDTA), and molybdenum, to support metabolism, enhance the photosynthetic process, and ensure balanced plant growth. The formulation, like the entire AlgenMix line, includes natural extracts of brown algae (*Ascophyllum* spp., *Laminaria* spp., *Fucus* spp. and *Macrocystis* spp.), present in high concentrations thanks to **ALGENFOUR SCE®** (Super Cold Extraction) technology. This process uses low-temperature supercritical extraction, which preserves the integrity of the extracted natural active ingredients. Bioactive molecules (such as mannitol, alginic acid, laminarins) help to improve nutrient delivery and availability by optimizing osmoregulation and water retention. Additionally, the presence of plant hormones (such as cytokinins, gibberellins, brassinosteroids, and auxins) stimulates cell growth and promotes fruit enlargement. **AlgenMix NPK**, through the synergy between mineral nutrients (boron) and natural extracts, encourages flowering and accelerates fruit maturation, helping to improve their qualitative characteristics such as: larger size and weight, consistency and firmness of the pulp, increased sugar content, flavour (sugar/acid balance), and presence of antioxidants (improving colour and hardness). These properties contribute to achieve overall high quality fruits and leafy vegetables, ensuring better shelf life of the production.

Composition

	w/w*	w/v
Total nitrogen (N)	6,0%	7,5%
Ureic nitrogen (N)	5,0%	6,2%
Water- and ammonium citrate-soluble	4,0%	5,0%
Organic carbon (C)	6,5%	8,1%
Water-soluble copper (Cu)	0,01%	0,01%
Water-soluble manganese (Mn)	0,01%	0,01%
Water-soluble molybdenum (Mo)	0,005%	0,006%
Zinc (Zn) chelated with EDTA	0,04%	0,05%

	w/w*	w/v
Organic nitrogen (N)	1,0%	1,2%
Total phosphorus pentoxide (P_2O_5) (soluble only in mineral acids)	5,0%	6,2%
Water soluble potassium oxide (K_2O)	5,0%	6,2%
Water-soluble boron (B)	0,05%	0,06%
Water-soluble iron (Fe)	0,05%	0,06%
Manganese (Mn) chelated with EDTA	0,01%	0,01%
Water-soluble zinc (Zn):	0,04%	0,05%

Raw materials: brown algae, plant extracts, boron ethanolamine, manganese chelate, zinc chelate, NPK fertilizer CE, sodium molybdate, iron salt, copper salt. *Equivalent to w/v at 20°C.

Doses and Instructions

CROPS	FOLIAR APPLICATION	DOSE l/ha*
Fruit trees	Flower buds, flowering, and petal drop	3-4
Horticultural crops	Fruit set (2nd truss), fruit enlargement	2-4
Industrial crops	Fruit set (2nd truss), fruit enlargement	2-4
Ornamentals	During the entire cycle	1-3
CROPS	FERTIGATION APPLICATION	DOSE l/ha*
All crops	Starting from fruit set	2-3

*The doses are indicative and should be adjusted based on the characteristics of the area and the needs of each crop.

Formulation	Packaging	Density (T=20°C)	pH (sol. 6 %)	Conductivity (sol. 10 %)
Soluble liquid	1-5-10-20 l	~ 1250 kg/m³	~ 6,5	~ 53,0 dS/m

Warnings

When used in mixture with other products, it is recommended to test the miscibility and compatibility on a limited number of plants. Avoid mixing with products that are alkaline, strongly acidic or copper based.

Technical Notes

FOLIAR APPLICATION

FERTIGATION APPLICATION

BIOACTIVATORS

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