

Vitamin Sea NPK

8-8-8

Extract of fish 45%

Organomineral Fertilizer

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What is Vitamin Sea NPK?

Vitamin Sea NPK is an innovative organo-mineral liquid fertilizer which has as a natural source of raw materials marine fish and herbs. The product is fully assimilable by plants. It is a balanced fertilizer since it contains the three main nutrients N, P, K in the same ratio. In addition, it is enriched with trace elements in chelated form (EDTA chelating agent), while at the same time containing amino acids, vitamins, natural growth hormones, proteins, enzymes, B vitamins and organic matter. It contains three forms of nitrogen (nitrate, ammonia and urea), ensuring both an immediate and gradual-duration supply to plants, while the presence of humic substances increases the availability of phosphorus. It achieves the replenishment of macro- and micro-elements as a suitable complement to a complete, balanced feeding programme with the ultimate aim of increasing yield and quality production.



Nitrogen

is the most essential nutrient for plant growth.

Phosphorus

it is an important macroelement involved in various ways in plant metabolism.

Potassium

is essential in all stages of the biological cycle of plants, but especially in the early stages of growth.

Amino acids

They are the organic form of nitrogen and the most important for plant nutrition and productivity. The uptake of organic nitrogen has an energy advantage due to its lower assimilation cost compared to inorganic forms of nitrogen which require consumption of carbonate skeletons (C) for amino acid synthesis. This gain in carbon increases the assimilation efficiency of nitrogen using amino acids and translates into increased plant growth rate ensuring a dynamic start to the crop.

Organic Matter

Organic substance increases the cation exchange capacity, water holding capacity, aeration and biological activity of the soil. It favours the uptake of nutrients by plants and their retention in the rhizosphere.

Why do we choose Vitamin Sea NPK?

- Contributes to the uniform and balanced development of the crop.
- Achieves the formation and development of the root system.
- Succeeds immediate correction of possible nutrient deficiency elements.
- Causes immediate recovery of plants from adverse conditions.

Method of Application & Dosage

Through the irrigation system (fertigation) and foliar .

Fertigation: 15-25 lt/Ha

Foliar application: 200-250 cc in 100 litres of water

Composition

Vitamin Sea NPK is a liquid fertilizer with a rich and balanced composition, suitable for all crops and throughout the growing season. However, its application is recommended at critical stages of the crop with high nutrient requirements or during periods of intense fruiting and under stressful conditions in order to strengthen and stimulate plant vigour. Its use is recommended in soils with low nutrient availability and in crops with a limited capacity to assimilate nutrients (e.g. plants with a weak root system).

Nutrient element	% w/w
Total Nitrogen (N)	7,4%
Nitric Nitrogen	1,6%
Ammoniacal Nitrogen (N-NH ₄)	3,3%
Ureic Nitrogen	2,5%
Phosphorus (P ₂ O ₅)	9,2%
Potassium (K ₂ O)	8,2%
Calcium Ca EDTA	0,7%
Total Iron (Fe)	0,01%
Organic Carbon (Corg)	3,2%
Organic Matter on dry	19,2%
Total Amino Acids	154 mg/100g
EC	4900 µS/cm

pH: 7,6