

Vitamin Sea NK

8-0-8

Extract of fish 25%

Organo-mineral Fertilizer

Fertilizer Group (c) Min. Dec. 257921/2004
Marketing Authorization No. 223

What is Vitamin Sea NK?

Vitamin Sea NK 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. Its multi-level action results from the concentration of biologically active compounds such as amino acids, proteins, natural hormones, B vitamins and the presence of organic matter, macro and microelements.

It acts quickly and effectively in meeting the nutritional needs of crops by focusing on their nitrogen and potassium requirements in a perfectly balanced way. Its specific composition increases the microbial activity of beneficial soil microorganisms, improving the uptake of nutrients by plants.



The synergy of Nitrogen (N) – Potassium (K)

Contributes to the creation of plants with increased growth rate, high productivity and quality characteristics.

- Is involved in the synthesis of polyphenolic compounds (anthocyanins)
- Promotes the development of roots (e.g. beetroot with high sugar content)
- Is involved in the formation of the leaf area
- Increases the specific weight of potato tubers
- Increases the photosynthetic capacity
- Promotes nitrogen uptake (potassium favours the transport of NO_3 to the plants and within the plants, from the roots to the aerial parts)

Nitrogen (N)

Is the most essential nutrient for plant growth. It is involved in protein formation and increases crop yields. Although it is an essential element for plant structure and vital for plant growth, a balanced supply of N in relation to the other nutrients is required.

Potassium (K)

Is an important macroelement that is involved in plant metabolism in a variety of ways. It activates enzymes that control photosynthesis and respiration, regulates cell vigour by acting as an osmoregulatory factor, directly influences the rate of carbon dioxide assimilation by controlling the opening and closing of stomata and affects yield and quality of production. In addition, it confers tolerance to plants under stress conditions.

Why do we choose Vitamin Sea NK?

Enhances quantitative production due to the increase in the rate of photosynthesis and the activation of plant metabolism.

Upgrades qualitatively improves production by increasing the rate of transfer of metabolic products and other nutrients from the leaves to the fruit.

Increases the tolerance of plants to adverse environmental conditions.

Increases nitrogen fixation in legumes (Leguminosae family) due to the increase in the number of leaflets and thus increase in yield.

Upgrades the production of leafy vegetables due to the regulation of cell vigor.

Method of Application & Dosage

Generally it is applied in the following dosages:

Foliar: 200-500 cc in 100 lt of water

Fertigation: 10-25 lt/Ha

Composition

The use of Vitamin Sea NK as a nutritional supplement during the critical stages of the plant's biological cycle (vegetative development, flowering, fruit set, fruit development) ensures the improvement of crop yield and quality of production. It is preferable that applications are made during the cooler hours of the day and when the crop is not under intense water stress (very hot). The number of repetitions applied depends on the nutritional needs of the crop at the time of application (phenological stage of the crop) and on the nutrient reserves in the soil (soil analysis) and in the plant (foliar diagnosis).

Nutrient element	% w/w
Total Nitrogen (N)	8%
Nitric Nitrogen	2,3%
Ammoniacal Nitrogen (N-NH ₄)	1,5%
Ureic Nitrogen	4,2%
Potassium (K ₂ O)	7,3%
Total Calcium Ca EDTA	0,5%
Total Magnesium (MgO)	0,4%
Organic Carbon (Corg)	2,4%
Organic Matter on dry	17,3%
Total Amino acids	1413 mg/100g
EC	3200 µS/cm

pH: 9,3