

# Vitamin Sea NK

8-0-8

## New Type- Organo-mineral Fertilizer

Group of Fertilizers © MD 257921/2004 | Marketing Authorization No. 223

ph: 9.3  
EC: 3.2 mS/cm  
Specific weight: 1.150 g/L  
100% water soluble  
Appearance: Dark Black

Extract of fish 25%

### 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 (P)



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

### 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 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.

## Reduces

reduces attacks by pathogens and pests.

## Upgrades

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

## Method of Application & Dosages

Through the irrigation system (Fertigation) and foliar

**Fertigation:** 8-15 lt/Ha

**Foliar application:** 150-300cc in 100 liters of water

## Period of application

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).

COMPOSITION	(%β/β)
Total Nitrogen(N)	8%
Nitric Nitrogen	2.3%
Ammoniacal Nitrogen	1.5%
Ureic Nitrogen	4.2%
Potassium (K <sub>2</sub> O)	7.3%
Total Calcium Ca EDTA	0.5%
Total Magnesium MgO	0.4%
Organic Carbon	2.4%
Organic Matter on dry	17.3%
Total Amino acids	1413 mg/100g



## Giving back to Mother Nature

Ikorganic produces organic growth, nutrition and plant protection products. Our philosophy is based on the Circular Economy Model and the Zero Waste Food Strategy, as in our modern facilities we turn animal & plant by-products and herbs of the Greek land into organic fertilizers and new types of organo mineral fertilizers. Further to that, Ikorganic is also active in the field of Research for the production of biological pesticides, totally devoted to ensuring the environmental and human safety.