

Vitamin Sea K

2-0-15

New Type- Organo-mineral Fertilizer

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

ph: 11.8
EC: 4.4 mS/cm
Specific weight: 1.232 g/L
100% water soluble
Appearance: Dark Black

Extract of fish 35%

What is Vitamin Sea K?

Vitamin Sea K is an organo-mineral fertilizer that has fish as its main raw material. Its specific composition directly satisfies the potassium requirements of plants at critical growth stages and prevents the adverse effects of a possible deficiency.

It achieves quantitative and qualitative improvement of production by promoting photosynthesis and a number of physiological processes of the plant. It is fully assimilated by the plants and ensures a gradual and lasting absorption of K by the crops.

The role of potassium (K)

K is an essential nutrient for plants because of its regulatory role in many physiological processes within plants that are vital to their growth.

IS INVOLVED IN THE ACTIVATION OF A LARGE NUMBER OF ENZYMES

PROMOTES SEED GERMINATION AND SEEDLING VIGOUR

CONTROLS THE TRANSPORT OF SUGARS FROM THE POINTS OF PRODUCTION (LEAVES)

DURING THE REPRODUCTIVE STAGES OF PLANT DEVELOPMENT, IT PROMOTES THE GERMINATION OF THE POLLEN AND THE DEVELOPMENT OF THE POLLEN TUBE

ACTS AS AN OSMOREGULATORY FACTOR FAVOURING WATER UPTAKE BY THE PLANT

INFLUENCES BOTH YIELD AND QUALITY OF PRODUCTION

PROTECTS PLANTS FROM ADVERSE GROWTH CONDITIONS AND THE OXIDATIVE STRESS CAUSED BY THEM

PROVIDES TOLERANCE AND RESISTANCE TO FUNGAL DISEASES BY MOBILISING THEIR DEFENCE MECHANISM



Potassium deficiency in plants

It is manifested by the appearance of peripheral burning in the leaves that is gradually eliminated by the plant. In broadleaf crops such as soybeans and cotton, the result is premature defoliation. One of the main symptoms is a reduced plant growth rate and poor root system. Cereals in particular show weak stems susceptible to blight.

Plant seeds

suffering from potassium deficiency usually appear small and shriveled and are susceptible to diseases

Fruits

have low sugar content, lack normal coloring, and have reduced post-harvest resistance

Why choose Vitamin Sea K?

Improves

the growth of plants

Achieves

increased yields due to the activation of enzymes

Increases

resistance to adverse abiotic factors

Improves

the efficiency of the use of the nitrogen supplied by the fertilization plan

Favors

the transport of nutrients and metabolic products

Prevents

the silting up of cereal crops

Contributes

substantially to the improvement of the quality of the fruit and its post-harvest resistance

Method of Application & Dosages

With the irrigation system (Fertigation) and foliar

Fertigation: 15-30 lt/Ha

Foliar application: 150-200 cc in 100 lt of water

Period of application

Potassium is essential throughout the biological cycle of plants, especially at critical stages such as flowering and fruiting. It is therefore recommended to apply Vitamin Sea K before and after flowering, during fruit set and fruit development and whenever potassium replenishment is required in plants. The number of applications is determined on the basis of the nutrient requirements of the crop in terms of potassium.

COMPOSITION	% w/w
Total Nitrogen (N)	1.7%
Potassium (K ₂ O)	15.2%
Organic Matter	11.4% on dry

The product contains vitamins of group B and natural growth hormones



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.