

Vitamin Sea K

2-0-15

Extract of fish 35%

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

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
- Controls the transport of sugars from the points of production (leaves)
- Acts as an osmoregulatory factor favouring water uptake by the plant
- Protects plants from adverse growth conditions and the oxidative stress caused by them
- Promotes seed germination and seedling vigour
- During the reproductive stages of plant development, it promotes the germination of the pollen and the development of the pollen tube
- Influences both yield and quality of production
- 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.

Method of Application & Dosage

With the irrigation system (Fertigation) and foliar.

Fertigation: 15-30 lt/Ha

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

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

Composition

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.

Nutrient element	% w/w
Total Nitrogen (N)	1,7
Potassium (K ₂ O)	15,2
Organic Matter on dry	11,4
EC	4400 µS/cm

pH: 11,8

The product contains vitamins of group B and natural growth hormones