

Vitamin Sea PK

2-10-9

Extract of fish 58%

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

What is Vitamin Sea PK?

Vitamin Sea PK is an innovative organo mineral liquid fertilizer that has as a natural source of raw materials marine fish and herbs. The product is fully assimilable by plants. Its effectiveness is due to its multilevel action because of its specialized composition, which focuses on the synergy of organic matter, amino acids, B vitamins, and nutrients (macro and trace elements in EDTA chelated form) it contains, with emphasis on Phosphorus and Potassium.



Amino acids

are the organic form of nitrogen and the most important for plant nutrition and productivity. The uptake of organic nitrogen has an energetic advantage due to its lower assimilation cost compared to inorganic forms of nitrogen which require the consumption of carbonate skeletons (C) for

amino acid synthesis. This carbon gain increases the assimilation efficiency of nitrogen using amino acids and translates into an increased plant growth rate ensuring a dynamic start to the crop.

Phosphorus (P)

is essential at all stages of the plant's biological cycle, particularly in the early stages of growth. It is involved in cell division, energy and nutrient production, storage, and transport.

Potassium (K)

is an important macroelement involved in various ways in plant metabolism. It activates enzymes that control photosynthesis and respiration, regulates cell vigor 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.

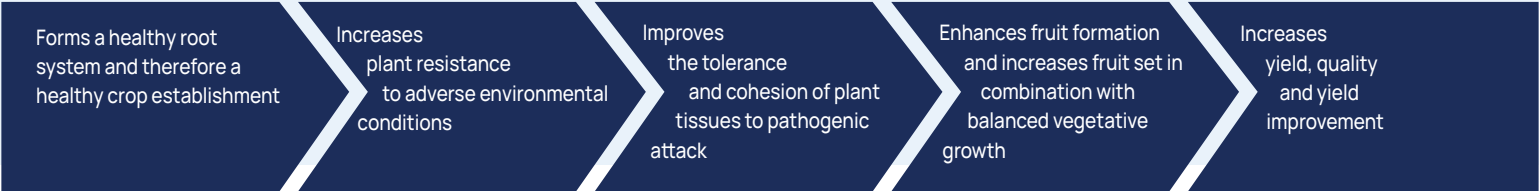
Organic matter

- Increases the cation exchange capacity, water retention capacity, aeration and biological activity of the soil.
- It favors the uptake of nutrients by plants and their retention in the rhizosphere.

Vitamins (Complex B)

Confer plant tolerance to biotic and abiotic stress factors.

Why do we choose Vitamin Sea PK?



Method of Application & Dosage

With the irrigation system (Fertigation) and foliar.

Fertigation: 10-15 lt/Ha

Foliar application: 200 cc in 100 lt of water

Composition

Vitamin Sea PK is a liquid fertilizer that can be used on young plants after transplanting or sowing and until fruit set. Its use at critical stages of plant development (vegetative development, pre-flowering, formation and onset of fruit turgidity, change in fruit color) enhances the quantity and quality of production.

Nutrient element	% w/w
Total Nitrogen (N)	1,6%
Phosphorus (P ₂ O ₅)	9,9%
Potassium (K ₂ O)	8,9%
Total Calcium Ca EDTA	1%
Organic Carbon (Corg)	1,9%
Organic Matter on dry	14,7%
Total Amino acids	730 mg/100g
EC	3700 µS/cm

pH: 7,8