

Vitamin Sea NP

9-7-1

Extract of fish 41%

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

What is Vitamin Sea NP?

Vitamin Sea NP is an innovative organo-mineral liquid fertilizer which has as its natural raw material source marine fish and herbs. The product is fully assimilable by the plant. It focuses on the continuous and stable satisfaction of the nutritional needs of plants in nitrogen and phosphorus while enriching them with microelements. Its rich composition of natural, biologically active substances such as amino acids, peptides, B vitamins, hormone precursors, organic acids and sugars, combined with the presence of organic matter, stimulates the biological activity of the soil, improves its structure and increases the availability and uptake of the nutrients of the nutrient programme provided.

The ammoniacal nitrogen contained in the formulation increases the availability of phosphorus and makes its use by plants more efficient. The synergistic nitrogen-phosphorus interaction demonstrated through the specialised formulation of Vitamin Sea NP ensures rapid crop growth and economic benefit to the grower. Its use in the early stages of plant growth promotes successful crop establishment while its application in the later stages helps replenish essential nutrients for plant growth.



The synergy of Nitrogen (N) – Phosphorus (P)

Contributes to the development of plants with increased leaf area and increased photosynthetic capacity, with a developed root system and more efficient water use, resulting in increased crop productivity.

- Is involved in the synthesis of photosynthetic pigments (chlorophyll a and b)
- Influences the morphology of the root system (length and diameter of the root; formation of lateral roots)
- Influences the morphology of the shoots (height)
- Promotes phosphorus uptake (favoured by ammonia nitrogen)
- Promotes the uptake of nitrogen
- Promotes nitrogen fixation in legumes (favoured by phosphorus)

Organic Matter

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

Why do we choose Vitamin Sea NP?

Causes fast and intense rooting combined with balanced vigor.

Improves the formation and development of reproductive organs (seed flowers).

Achieves the treatment of post-planting stress.

Increases production, due to the positive effect on the energy balance of the cells.

Improves the tolerance of plants to fungal diseases of the root system.

Method of Application & Dosage

Through the irrigation system (Fertigation) and foliar.

Fertigation: 10-20 lt/Ha

Foliar application: 200-300 cc in 100 lt of water

Composition

Vitamin Sea NP is an ideal fertilizer at the beginning of cultivation, when plant nitrogen and phosphorus requirements are high for the development of a rich root system and adequate vegetative growth, necessary conditions for achieving increased productivity. Therefore, its use is recommended in the early stages of vegetative development and up to flowering. In tree crops, vines and kiwi, the application of Vitamin Sea NP beyond the above-mentioned period is also recommended after harvest but before leaf fall (in deciduous species) to enrich the nutrient reserves to be used at the start of the next growing season.

Nutrient element	% w/w
Total Nitrogen (N)	9%
Nitric Nitrogen	2%
Ammoniacal Nitrogen (N-NH ₄)	3,5%
Ureic Nitrogen	3,5%
Phosphorus (P ₂ O ₅)	7,1%
Potassium (K ₂ O)	0,6%
Total Iron (Fe)	0,032%
Organic Carbon (Corg)	3%
Organic Matter on dry	19,9%
Total Amino acids	1244 mg/100g
EC	3200 µS/cm

pH: 4,4