

DESCRIPTION: Vitamin Sea N is an organochemical liquid fertilizer with fish as its basic raw material. It is produced through Ikorganic's innovative process and is 100% assimilable by the plant. It focusses on long-lasting, stable and carefully balanced nitrogen supply to the crop by ensuring prevention of deficiency or excess (over-supply) with the possible adverse effects on plant growth and health. The presence of amino acids (immediately assimilable organic nitrogen) in its composition, accompanied by bioactive substances (enzymes, B complex vitamins), encourages protein synthesis within the plants resulting in energy saving, due to reduction of the metabolic pathway of nitrogen, which is eventually channelled to other metabolic processes in order to achieve increased quality production. Moreover, it simultaneously provides the three main forms of nitrogen (urea, nitrate, ammonium) in a balanced ratio by enhancing immediate as well as gradual supply to plants during whichever critical stage of development deemed necessary. Contrary to the nitrogen slow-release products which use chemical additives in order to suppress soil biological activity, Vitamin Sea N contains organic substance as part of its special composition, which favours nitrogen chelation through its active ingredients (humic acids) resulting in better uptake by the plants, more efficient use and reduction of losses due to leaching or evaporation, with a significant financial benefit for the producer and minimization of environmental impacts (eutrophication).

BENEFITS: Enhances photosynthetic activity, formation and utilization of carbohydrates resulting in the increase of crop yield levels and quality upgrade of the production • Stimulates healthy growth and function of plants by improving their metabolism, the formation of enzymes, the growth of the root system and by encouraging nutrient uptake and utilisation by plants • Contributes to improving the physical and chemical parameters of soil (structure, nutrient and water holding capacity) and stimulates the biological activity of beneficial microorganisms within the soil with multiple benefits for plant growth • Improves the efficiency of nitrogen use and enhances the action of the fertilization and plant protection programs applied • Improves protein content in cereal crops.

DIRECTIONS FOR USE: With the irrigation system (fertigation) and foliar application

DOSAGE AND APPLICATION TIME: **Tomato, cucumber, pepper, eggplant, watermelon, melon:** 1st application during the early stages of development (one week after transplanting) during the entire biological cycle of plants in critical periods of growth with strong nutritional needs such as after the 1st flowering and before harvest, if required, through irrigation with 2-2.5 litres / 1,000m² or by foliar spraying with 250-300cc in 100 litres of water. It is recommended to repeat 15 days later.

Large-scale crops: Corn: Begin application when plants are 50-60 cm, i.e. knee-high until full male inflorescence (tassel) at the top of the plant and fertilisation.

Fish Extract 49%



VITAMIN SEA N

18-0-0

Organochemical Fertilizer
New Type

Fertilizer Group © Min. Dec. 257921/2004

Marketing Authorization No.: 223



Wheat, rice: 1st application during the stage of tillering in order to create satisfactory leaf surface until heading for maintenance of healthy leaf surface (avoiding overdose - risk of lodging) and the soft dough stage.

Cotton: In the early stages of vegetative growth in the case of insufficient basic fertilization, before formation of the first cotton squares until the flowering peak and formation of the first cotton bolls. Apply through fertigation with 2-3 litres / 1,000m² or by foliar spraying with 200-300cc in 100 litres of water.

Pome fruit: At the beginning of flowering, when the petals fall, one month before harvest to increase fruit size, depending on the nutrient condition of the crop and after harvest.

Tree nuts: 3-4 applications from the vegetative shoot growth until the fruit growth stage and during the post-harvest period to satisfy the requirements of next spring through fertigation with up to 2.5-3.5 litres / 1,000m² or by foliar application with 200cc in 100 litres of water.

Olive: From the beginning of formation of new vegetation until fruit-setting and during the stage of endocarp lignification (stone hardening), through fertigation with up to 4 litres / 1,000m² or by foliar application with 200cc in 100 litres of water. **Citrus fruit:** Before the flowering stage, during fruit-setting - initial fruit growth (main cortex development - diameter of fruit at least 5mm) (should avoid overdose - risk of blastomania) and during the rapid growth of fruits if required. During the stage of rapid growth rational use is recommended - risk of fruit quality degradation, especially those designated to be consumed fresh through fertigation with 4 litres / 1,000m² or by foliar application with 200cc in 100 litres of water.

COMPOSITION: Total Nitrogen (N) 17.5% • Nitrate Nitrogen (NO₃) 4.4% • Ammonium Nitrogen (NH₄) 4.6% • Urea Nitrogen (CO(NH₂)₂) 8.5% • Organic Carbon 2.2% • Dry Organic Substance 9.6% • pH 7.1 • EC 4.8mS/cm • Total Amino Acids 328mg/100g

KEEP AWAY FROM CHILDREN. STORE LOCKED-UP. SHAKE BEFORE USE. SPECIFIC WEIGHT: 1,168G/L. COMPATIBILITY: May be combined with most fertilizers and plant protection products. Before use, it is recommended to apply on small surfaces, in order to check compatibility with other products. **Manufacturer and distributor: Ikorganic, 36 Elaion str., GR-14564 N. Kifisia, Tel.: 210 8000551, info@ikorganic.com, www.ikorganic.com.** Poison centre tel.: 210 7793777. Product of stable composition.

Causes skin and eye irritation, do not inhale, do not ingest. **IN CASE OF CONTACT WITH SKIN & EYES,** wash with plenty of water. If the irritation persists seek medical advice / attention. A Safety Data Sheet is provided to the professional user upon request. Wash hands thoroughly after handling the product. Use only outdoors or in a well-ventilated area. Store in a well-ventilated and covered area.



1L