

Keylan Max



THE REVOLUTION OF BIOCHELATION™

KEYLAN is the sustainable and greener choice that had so far been lacking in the chelated micronutrients sector.

KEYLAN is a complete range of products, powered by BIOCHELATION™ technology, suitable to prevent and cure nutrient deficiency on a wide variety of crops.

The goal of the range is to supply micronutrients in a bio-chelated form in order to optimize their uptake, and at the same time, to boost plant metabolism thanks to the peptide action. The biochelation™ action is performed by our Plant Stimulating Peptides (present in the vegetal protein hydrolysates - VPH) and its effectiveness is comparable to that of any standard synthetic chelate.

KEYLAN features high stability and biodegradability, it is efficient with a broad range of soil pH and it is fully metabolized by plants, leaving no residues in the crop or in the environment.

COMPOSITION

Iron (Fe) water soluble*	5,4%
Manganese (Mn) water soluble*	2%
Zinc (Zn) water soluble*	2,2%
Copper (Cu) water soluble*	0,6%
Boron (B) water soluble	0,6%
Molybdenum (Mo) water soluble	0,06 %
Organic Nitrogen (N)	4,8%
Vegetal peptides	30%
pH (1:5)	4,5

*biochelated with peptides

THE BENEFITS OF KEYLAN Max

- Cation elements are fully biochelated with peptides, making them completely available for plant uptake
- Complete cocktail of micronutrients



THE ADVANTAGES OF KEYLAN RANGE

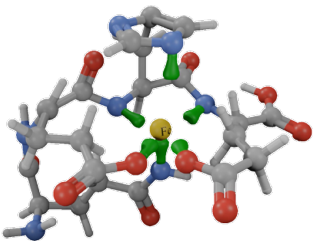
- GREEN, SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY
- BIOCHELATING AGENT 100 % OF VEGETAL ORIGIN
- Harmless to living organisms and respectful of biodiversity
- Fully metabolized by plants, leaves no residues in the environment or in the crops
- Optimal for plant use, derived from plants for plants
- Effectiveness comparable to synthetic chelation
- Efficient with a broad range of soil pH
- Lasting availability of the element inside the soil
- Booster of plant metabolism
- Improvement of nutrients uptake
- Enhancement of quality traits
- Not photosensible
- Antistress action
- Increase of yield

BIOCHELATION™: A REVOLUTIONARY CONCEPT



The concept of BIOCHELATION™, developed in our Innovation Hub, is based on the intrinsic ability of peptides to behave like synthetic chelates, to form different types of bonds with positively charged metal atoms:

- 1) The “Plant Stimulating Peptides” contain a great number of potential atoms able to form strong bonds with the metal.
- 2) To these bonds, which guarantee the greater stability, is to be added the ability of some side chains of amino acids, forming our peptides, to bind the metal through different types of forces, which contribute to further increase the stability of the peptide-metal bond.
- 3) Thanks to these multiple interactions, the peptides take a 3D dimension, and they organize close to the metal, to form a fence around it and ensuring that the metal atom becomes part of a strong and biologically stable ring structure.



- 4) The resulting structure, called biochelatate™, improves the solubility and bioavailability of the element, which becomes readily available for plant uptake.

The exclusive production process completely managed by HELLO NATURE has been optimized in order to obtain a **good chelation effect**, while maintaining **the integrity of our Plant Stimulating Peptides**, preserving also their biostimulant activity.

KEYLAN Max USE & DOSE

KEYLAN is a range of products form designed for the application through drip irrigation, soil injector or foliar. It is also suitable for crops grown in hydroponic conditions.

All dosages provided are in standard conditions, dosages and modes of application are to be determined on the basis of the requirements and the nutritional status of the crop.

SOIL APPLICATION: 3 kg/ha every week

FOLIAR APPLICATION: 2 kg/ha every week



PACKAGING
1 and 5 kg bag



Suitable for organic farming according to EU Regulation 2018/848

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