



CHELAL[®] HYDRO NF

COMPOUND INORGANIC MICRONUTRIENT FERTILISER

Micronutrient fertiliser, 0,85 % B, 0,25 % Cu, 4,7 % Fe, 4,4 % Mn, 0,35 % Mo, 2,6 % Zn

0,85 % boron (B), water soluble

0,25 % copper (Cu), chelated by EDTA, water soluble

4,7 % iron (Fe), chelated by DTPA, water soluble

4,4 % manganese (Mn), chelated by EDTA, water soluble

0,35 % molybdenum (Mo), as sodium salt, water soluble

2,6 % zinc (Zn), chelated by EDTA, water soluble

pH range guaranteeing acceptable stability of the chelate: between pH=4 and pH=10

poor in chloride

To be used only where there is a recognized need. Do not exceed the application rate.

Applications

Consult our crop-related programs.

Characteristics

CHELAL[®] HYDRO NF is a mixture of chelated micro-nutrients (Cu, Fe, Mn and Zn). By using chelating agents a high stability under all circumstances can be obtained. Thus and since chelate-stability is mainly influenced by pH-value, a maximum stability of the micro-nutrients present can be guaranteed up to pH 7.5. In addition, CHELAL[®] HYDRO NF contains boron and molybdenum in a unique formulation that ensures maximum availability of these micro-nutrients to the plant.

The composition of CHELAL[®] HYDRO NF was based upon research, conducted in the Netherlands and Belgium and the product was especially conceived for use in nutrient solutions in hydroponics. CHELAL[®] HYDRO NF can be used in all crops grown on inert substrates (rock wool, sand, agex, etc...).

These substrates have no retention-capacity for nutrients.

The CHELAL[®] HYDRO NF-based nutrient solution has to be applied during the whole growing-season.

For crops with special demands for B, Fe, Cu, Mn, Mo or Zn, we refer to the corresponding products of the CHELAL[®]-range.

Applying 1.5 kg CHELAL[®] HYDRO NF in 100,000 L water results in a nutrient solution with following composition:

	micromol/L	ppm (mg/L)
B	11.8	0.128
Cu	0.6	0.038
Fe	12.6	0.705
Mn	12.0	0.660
Mo	0.6	0.053
Zn	6.0	0.390

Precautions

- wash hands thoroughly after handling; do not drink, eat or smoke during handling.
- if swallowed, seek medical assistance.
- in case of contact with eyes, rinse with plenty of clean water.
- store in a cool, dry place, out of reach of children and animals and far away from food products. Always keep the product in its original container.
- store the product at a temperature between 40°F and 90°F (= 5°C - 30°C).
- this fertiliser is to be used only on soil which responds to molybdenum. Crops high in molybdenum are toxic to grazing animals (ruminants).
- this product can be used on most crops as long as maximum dose and concentration are respected. Since it contains boron, injudicious use on monocots (e.g. cereals, orchids, lilies,...) and greenhouse ornamentals may result in serious injury to the crops.

Miscibility

CHELAL® HYDRO NF is miscible with most pesticides and herbicides. Avoid mixing with oil-based products. It is advisable to conduct a miscibility test before application. Consult your extension agent or crop consultant.

Preparation of the solution

Put the product into the nutrient solution. Be sure that the spray solution is evenly distributed over the crop.

Warranty

The liability of the manufacturer is limited to delivery of the product in its original container in conformity with the guaranteed analysis, as indicated on this label. The manufacturer is not responsible for inappropriate or inaccurate use of the product nor for damage caused by weather conditions, soil characteristics or special sensitivity of crops and varieties. In no case shall BMS Micro-Nutrients be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer and/or user of the product. BMS Micro-Nutrients makes no warranties of merchantability of fitness for a particular purpose nor any other express or implied warranty except as stated above.

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