

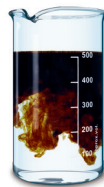
## WATER SOLUBLE

### DESCRIPTION

**HUMIRON® Fe WSP** water soluble iron humate is an iron micronutrient fertilizer, containing 40% bioactive humic acids and 6% iron in chelated and complexed form. It is available for plants and can be used for prevention and correction of iron deficiency. It can be applied either as a soil application or as a foliar spray. Soil applications of HUMIRON® Fe WSP can be by irrigation or injection directly into the soil, and it can be used in hydroponic culture. The presence of humic acids positively impacts plant growth and health as well as on resistance to stresses.

### ORIGIN

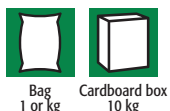
**HUMIRON® Fe WSP** water soluble iron humate is obtained through extraction from German Leonardite (highly oxidized lignite), with addition of a mineral iron salt. Besides iron it provides a very high content of humic and fulvic acids and natural biologically active trace elements. The raw materials of HUMIRON® Fe WSP are benign and guarantee an ecological first quality chelated iron product.



### COMPOSITION: (Typical analysis)

Humic acids	40%
Chelated and/or complexed Iron	6.0%
Solubility in water	100%
Saturated 20 solution	~ 100 g/L
Stable in pH range	6-11
pH value (in 20% solution)	8-9
Product type	Water soluble powder

### FORM OF DELIVERY



Bag 1 or kg      Cardboard box 10 kg

## Organic Iron Deficiency Corrector



# Fe HUMIRON® WSP

## WATER SOLUBLE IRON HUMATE

## Water Soluble Iron Humate with 6% Chelated and Complexed Iron FOR SOIL AND FOLIAR APPLICATION

### BENEFITS

Iron plays a key role in formation of chlorophyll, a vital component for plant health. In cases of iron deficiency the leaves have interveinal chlorosis where plant leaves are light green to yellow.

**HUMIRON® Fe WSP** water soluble iron humate is complexed and chelated with humic acids that make iron available for plants in a wide variety of problem soils. It can be used for prevention and correction of iron deficiency and can be applied to all agricultural and horticultural plants. It can enhance the performance of fertilizers, especially in saline soils, and it reduces input costs.

- Increases iron and nutrient uptake through the roots
- Economic source of iron versus traditional chelated sources

- Direct uptake of iron, prior conversion not needed
- Rich in humic and fulvic acids, which protect iron and other micronutrients from oxidation
- Physically fixed in soils, improves water retention capacity and reduces leaching
- Environment-friendly
- Increases nutrient uptake
- Acts as a natural chelator for microelements in alkaline and calcareous soils, and increases their availability to plants
- Decreases stress by drought and/or application of pesticides
- Reduces the residues of herbicides and toxic substances in the soil
- It is a natural product, in contrast to synthetic chelates, which often contain excessive (e.g. some types of EDDHA)

### DIRECTIONS FOR USE\* HUMIRON® Fe WSP

CROP	OBJECTIVE	RECOMMENDED APPLICATION
In all crops	Prevention and correction of iron deficiency, soil conditioning, increasing of soil fertility and fertilizer utilisation	4-6 kg/ha, up to 12 kg/ha if iron deficiency occurs, divided into several doses (1-2 kg/ha), during the season
Vegetables in greenhouses	Prevention and correction of iron deficiency, soil conditioning, increasing of soil fertility and fertilizer utilisation	6-8 kg/ha, up to 12 kg/ha if iron deficiency occurs, divided into several doses (1-2 kg/ha)
Horticultural fruit trees	Prevention and correction of iron deficiency, soil conditioning, increasing of soil fertility and fertilizer utilisation	6-8 kg/ha, up to 12 kg/ha if iron deficiency occurs, divided into several doses (1-2 kg/ha) or 100-150 g/tree, during the season
Open field vegetables	Prevention and correction of iron deficiency, soil conditioning, increasing soil fertility and fertilizer utilisation	4-6 kg/ha, up to 12 kg/ha if iron deficiency occurs, divided into several doses (1-2 kg/ha)
Cereals, potatoes, legumes	Prevention and correction of iron deficiency, soil conditioning, increasing soil fertility and fertilizer utilisation	4-6 kg/ha, up to 12 kg/ha if iron deficiency occurs, divided into several doses (1-2 kg/ha)
Ornamental plants and tree nursery, turf grass, landscaping (in general)	Prevention and correction of iron deficiency, soil conditioning, increasing soil fertility and fertilizer utilisation	6-8 kg/ha, up to 12 kg/ha if iron deficiency occurs, divided into several doses (1-2 kg/ha)
Foliar application	Correction of iron deficiency, and increasing fertilizer utilisation	500g/1000L water every 2-3 weeks during the season

\* This recommendation may be varied according to the soil characteristics and local conditions



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