

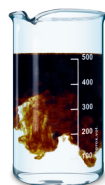
WATER SOLUBLE

DESCRIPTION

HUMIRON® Mix WSP water soluble trace elements humate is a multiple deficiency corrector, containing 3.5% iron, 2.5% zinc and 1.5% manganese, chelated and complexed with humic acids. As a result of the chelation, these trace elements (Fe, Zn, Mn) are readily available to be taken up by plants in a wide variety of problematic soils (e.g. alkaline and calcareous soils, sandy soils with low organic matter content, etc.). The product is designed to prevent and correct iron, zinc and manganese deficiencies in all agricultural and horticultural crops. It can be applied either to the soil or as a foliar spray. In addition, it can be used in hydroponic system. The presence of humic acids in the formulation positively affects plant growth, and enhances resistance to biotic and abiotic stresses.

ORIGIN

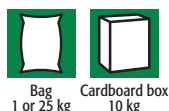
HUMIRON® Mix WSP is obtained through alkaline extraction from German Leonardite (highly oxidized lignite) and addition of mineral Fe/Zn/Mn salts. Therefore, the raw materials used for the formulation of **HUMIRON Mix WSP** are harmless and guarantee an environment friendly product.



COMPOSITION: (Typical analysis)

Potassium humate	40%
Chelated and/or complexed iron (Fe)	3.5%
Chelated and/or complexed Zinc (Zn)	2.5%
Chelated and/or complexed Manganese (Mn)	1.5%
Solubility in water	99%
Saturated solution	~ 100 g/L
Stability range of pH	6-10
pH value (in 20% solution)	8-9
Product type	Water soluble powder

FORM OF DELIVERY



Bag 1 or 25 kg
Cardboard box 10 kg

Organic Multiple Deficiency Corrector

Mix

HUMIRON® WSP

WATER SOLUBLE TRACE ELEMENTS HUMATE

with chelated and complexed
Fe (3.5%), Zn (2.5%) and Mn (1.5%)

FOR SOIL AND FOLIAR APPLICATION

BENEFITS

Trace elements are either involved in various processes related to photosynthesis or are associated with various enzyme systems that are vital for ensuring plant health. When crops suffer from Fe, Zn or Mn deficiencies, leaves tend to show interveinal chlorosis and the crop yield may be limited. The addition of Humiron Mix WSP helps to counteract this disorder effectively.

- Corrects Fe/Zn/Mn deficiencies
- Increases uptake of Fe/Zn/Mn and other nutrients
- Economic source of trace elements versus traditional chelated sources
- Direct uptake of useful forms of Fe, Zn and Mn ; prior conversion unnecessary
- Rich in humic and fulvic acids
- Very effective in alkaline soils
- Increases the soil water retention capacity and reduces nutrient losses
- Environment-friendly

- Acts as a natural chelator and complexer for trace elements in alkaline and calcareous soils, and increases their availability to plants
- Decreases stress from drought and/or application of pesticides
- Reduces the residues of herbicides and other toxic substances in the soil
- It is a natural product in contrast to synthetic chelates, which often contain excessive sodium (e.g. some types of EDDHA)

DIRECTIONS FOR USE* HUMIRON® Mix WSP

CROP	OBJECTIVE	RECOMMENDED APPLICATION
In all crops	Prevention and correction of Fe, Zn and Mn deficiency; soil conditioning and fertilizer utilisation	4-6 kg/ha, up to 12 kg/ha, if trace element deficiency occurs, divided into several doses (1-2 kg/ha), during the season
Vegetables in greenhouses	Prevention and correction of Fe, Zn and Mn deficiency; soil conditioning and fertilizer utilisation	6-8 kg/ha, up to 12 kg/ha, if trace element deficiency occurs, divided into several doses (1-2 kg/ha), during the season
Horticultural fruit trees	Prevention and correction of Fe, Zn and Mn deficiency; soil conditioning and fertilizer utilisation	6-8 kg/ha, up to 12 kg/ha, if trace element 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 Fe, Zn and Mn deficiency; soil conditioning and fertilizer utilisation	4-6 kg/ha, up to 12 kg/ha, if trace element deficiency occurs, divided into several doses (1-2 kg/ha), during the season
Cereals, potatoes, legumes	Prevention and correction of Fe, Zn and Mn deficiency; soil conditioning and fertilizer utilisation	4-6 kg/ha, up to 12 kg/ha, if trace element deficiency occurs, divided into several doses (1-2 kg/ha), during the season
Ornamental plants and forest nursery, landscaping, turf grass (in general)	Prevention and correction of Fe, Zn and Mn deficiency; soil conditioning and fertilizer utilisation	6-8 kg/ha, up to 12 kg/ha, if trace element deficiency occurs, divided into several doses (1-2 kg/ha), during the season
Foliar application	Correction of Fe, Zn and Mn deficiency. Increasing of fertilizer utilisation	500 g/1000 L 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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TECH**
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