

LIQUID

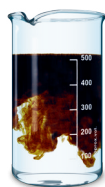
DESCRIPTION

HUMIRON® Fe liquid iron humate is an iron deficiency corrector, containing iron in the amount of 2%, chelated and complexed with humic acids. Therefore iron is provided in a form that is 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 deficiency in all agricultural and horticultural crops. It can be applied either to the soil or as a foliar spray. The presence of humic acids in this formulation exerts a positive effect on plant growth as well as on resistance against biotic and abiotic stresses.

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ORIGIN

HUMIRON® Fe Liquid is obtained through extraction from German Leonardite (highly oxidized lignite) and addition of a mineral iron salt. Accordingly, the raw materials used for the formulation of HUMIRON Fe Liquid are harmless and guarantee an environment-friendly iron chelate.



COMPOSITION: (Typical analysis)

Humic acids	12%
Chelated and/or complexed Iron (Fe)	2.0%
Total potassium (in K ₂ O)	5.0%
Solubility in water	100%
Stability range of pH	6-11
pH value (in 20% solution)	8-9
Product type	Liquid

FORM OF DELIVERY



IBC container
(Intermediate
Bulk Container)

Can
5, 10, and
20 L

Bottle
1 L

Organic Iron Deficiency Corrector

Fe

HUMIRON® Liquid

LIQUID IRON HUMATE



with 2% Chelated Iron

FOR SOIL AND FOLIAR APPLICATION

BENEFITS

Iron is needed to produce chlorophyll and to activate several enzymes, including enzymes involved in the oxidation/reduction processes of photosynthesis and respiration in plants. When crops suffer from Fe deficiency, the main symptom is chlorosis, evidenced by yellowing between the leaf veins of young leaves. The addition of Humiron Fe Liquid helps to counteract this disorder effectively.

- Increases iron and nutrient uptake through the roots
- Economic source of iron versus traditional chelated sources
- Direct uptake of iron – prior conversion unnecessary
- Rich in humic and fulvic acids, which protect iron and existent micro nutrients from oxidation

- Improves water retention capacity and reduces nutrient losses
- 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 excess sodium (e.g. some types of EDDHA)

DIRECTIONS FOR USE* HUMIRON® Fe Liquid

CROP	OBJECTIVE	RECOMMENDED APPLICATION
In all crops	Prevention and correction of iron deficiency, soil conditioning, and increasing of soil fertility and fertilizer utilisation	20-30 L/ha divided into several doses (3-4 L/ha) during the season
Vegetables in greenhouses	Prevention and correction of iron deficiency, soil conditioning, and increasing of soil fertility and fertilizer utilisation	25-35 L/ha divided into several doses (3-4 L/ha) during the season
Horticultural trees	Prevention and correction of iron deficiency, soil conditioning, and increasing of soil fertility and fertilizer utilisation	25-35 L/ha divided into several doses (3-4 L/ha) or 0.5-1 L/tree during the season
Open field vegetables	Prevention and correction of iron deficiency, soil conditioning, and increasing of soil fertility and fertilizer utilisation	20-25 L/ha divided into several doses (3-4 L/ha) during the season
Cereals, potatoes, legumes	Prevention and correction of iron deficiency, soil conditioning, and increasing of soil fertility and fertilizer utilisation	20-30 L/ha divided into several doses (3-4 L/ha) during the season
Ornamental plants and tree nursery, landscaping, turf grass (in general)	Prevention and correction of iron deficiency, soil conditioning, increasing of soil fertility and fertilizer utilisation	25-35 L/ha divided into several doses (3-4 L/ha) during the season
Foliar application	Prevention and correction of iron deficiency, increasing of fertilizer utilisation	0.5-1 L/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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