Stand August 2010

WATER SOLUBLE

Organic Trace Elements Deficiency Corrector

Plus FULVITAL® WSP

Fulvic Acid and Trace Elements (Fe/Zn/Mn/Cu)

FOR HYDROPONIC CULTURE AND FOLIAR APPLICATION

DESCRIPTION

FULVITAL® Plus WSP is an extreme bioactive low molecular weight substance of fulvic acid and several important trace elements, which is readily soluble in both acid and weak base. It consists of very complex molecules which are combined and recombined during the growing process, becoming the high complex natural substance. It also contains latent solar energy hidden deep within its complex molecular structure which is originated from photosynthesis of the plants of origin. This is partly responsible for most unusual properties and bioactive nature of fulvic acids.

ORIGIN

FULVITAL® Plus WSP is gained through extraction from wood coal and chelates Iron (Fe), Zinc (Zn), Manganese (Mn) and Copper (Cu) into a water soluble form. It provides a very high content of fulvic acid and several biologically active trace elements.

BENEFITS

FULVITAL® Plus WSP is extracted from wood coal and chelates 4 % Fe, 2.5% Zn, 2.5% Mn and 1% Cu into a water soluble form. The fact that fulvic acids have a low molecular weight enables them to penetrate the cell membranes of the roots and leaves, transporting chelated metals to the plant's inner parts.

- Supports the plant with organic chelated Fe, Zn, Mn and Cu ensuring no deficiency of them
- Chelates with plant nutrients to improve their uptake by plants, and reduces their immobilization in the soil
- Improves the root growth and its biomass building
- Promotes quicker seed germination and faster root and shoot growth
- Provides a valuable source of carbon for soil microorganisms
- Stimulates enzymic systems in plants to increase plant respiration
- Improves moisture retention in plants and reduce moisture stress
- Stimulates the growth of microorganisms since it is a rich source of food for them. Total cationic exchange capacity is increased due to its colloidal characteristic
- Acts as an active sequestering agent. Its high sequestering power of mineral elements unblocks the nutrients in the soil, allowing its assimilation by the plants
- Fulvic acids take part in a great number of plant enzymes

COMPOSITION: (Typical analysis)

Organic Matter	75% min
Dry Matter	90% min
Fe	4%
Zn	2.5%
Mn	2.5%
Cu	1.0%
Mg	6-7%
S	5-6%
Insoluble parts	< 0.5%
pH-value	4-5
Product type	Water Soluble Powder

FORM OF DELIVERY

Bag
20 kg

DIRECTION FOR USE *	FULVITAL® Plus WSP	
CROP	**OBJECTIVE**	**RECOMMENDED APPLICATION**
In all crops	Trace element deficiency correction, increase of fertility and fertilizer utilization	4-5 kg/ha divided into several doses (1 kg/ha or 150-300 g/1000 L)
Vegetables in green houses (tomatoes, bell peppers, eggplants, cucumbers, zucchini)	Trace element deficiency correction, increase of fertility and fertilizer utilization	4 kg/ha divided into several doses (1-2 kg/ha or 150-300 g/1000 L) during the season
Horticultural trees (kiwi, citrus groves, banana, wine grapes stone fruit)	Trace element deficiency correction, increase of fertility and fertilizer utilization	4-5 kg/ha divided into several doses (1-2 kg/ha or 150-300 g/1000 L) during the season
Open field vegetables	Trace element deficiency correction, increase of fertility and fertilizer utilization	4 kg/ha divided into several doses (1-2 kg/ha or 150-300 g/1000 L) during the season and fertilizer application
Cereals (wheat, rye, barley, oat, maize, rice, etc.), potatoes, beans, peanuts	Trace element deficiency correction, increase of fertility and fertilizer utilization	3-4 kg/ha divided into several doses (1 kg/h or 150-300 g/1000 L) during the season
Ornamental plants and forest nursery landscaping, turf grass (in general)	Trace element deficiency correction, increase of fertility and fertilizer utilization	3-4 kg/ha or 1 kg/m during the preparation of substrates
Soil application	Increase of the soil fertility and fertilizer utilization	4-5 kg/ha divided into several doses (1-2 kg/ha) during the season and fertilizer application

** This recommendation could be varied according to the soil characteristics and farm conditions*

HUMIN TECH®
HUMIC ACIDS BASED PRODUCTS

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