

WATER SOLUBLE**DESCRIPTION**

FULVITAL® WSP 80 is an extremely bioactive low molecular weight substance that is the end product of decomposition of all once living matter, which is readily water soluble and soluble in both acid and weak base. It consists of extremely complex molecules which are combined and recombined during the growing process. It also contains latent solar energy hidden deep within its complex molecular structure which is originated from photosynthesis of the plants of origin, which is partly responsible for most remarkable properties and bioactive nature of fulvic acids.

ORIGIN

FULVITAL® WSP 80 is obtained through extraction from wood coal. It arises at the chemical and biological humification of plant and organic matter and by the biological activity of microorganisms. It provides a very high content of fulvic acids and several biologically active trace elements.

**COMPOSITION:** (Typical analysis)

Water soluble Fulvates (dry base)	85% min
Fulvic acid (dry base)	80% min
Dry matter	85% min
Residue on sieve (0.5mm)	5% max
pH-value	5-7
Product type	Water Soluble Powder

FORM OF DELIVERYBag
25 kgCarton Box
10 kg**Organic Biostimulator**

FULVITAL®

WSP 80


100% Water Soluble Powder of Fulvic Acid FOR HYDROPONIC CULTURE AND FOLIAR APPLICATION

BENEFITS

FULVITAL® WSP 80 is extracted from wood coal and concentrated into a completely soluble dry powder. The fact that fulvic acid is soluble with a low molecular weight enables it to penetrate through cell membranes of the roots and leaves, transporting chelated metals to the plant inner parts.

- Chelates with plant nutrients to improve their uptake by plants, and reduces their immobilisation in the soil
- 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

- Improve moisture retention in plants and reduce moisture stress
- Stimulate the growth of microorganisms since **FULVITAL® WSP 80** is a rich source of food for them. Total cationic exchange capacity is increased due to its colloidal characteristic
- Is considered as an active sequestering agent. Its high sequestering power of mineral elements unblocks the nutrients in the soil, allowing its assimilation by the plants
- Due to the presence on Nitrogen (N) in its formulation since the beginning, improves development and growth of the roots, activating the cell division, and both, Fulvic Acid and Nitrogen (N), have participation in a great number of enzymes.
- Delays the decomposition of ultraviolet unstable agents

DIRECTION FOR USE *	FULVITAL® WSP 80	
CROP	OBJECTIVE	RECOMMENDED APPLICATION
In all crops	Increase of fertility and fertilizer utilization	4-5 kg/ha divided into several doses (1 kg/ha or 150-300 g/1000L)
Vegetables in green houses (tomatoes, bell peppers, eggplants, cucumbers, zucchini)	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)	Increase of fertility and fertilizer utilization	4-5 kg/ha divided into several doses (1-2 kg/ha or 150-300 g/100 0L) during the season
Open field vegetables	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	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)	Increase of fertility and fertilizer utilization	3-4 kg/ha or 1 kg/m during the preparation of substrates
Soil application	Increase of 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



Administration & Distribution: Humintech GmbH
Heerdter Landstraße 189/D • D 40549 Düsseldorf / Germany
Tel.: +49 (0) 211 50 66 57 0 • Fax: +49 (0) 211 50 66 57 22
E-Mail: info@humintech.com • Internet: www.humintech.com