PEAT-BASED HUMIC ACID SALTS

Water soluble crystals for soil and foliar application

ORGANIC GROWTH STIMULANT AND SOIL CONDITIONER

PEAT BASED LLC | MADE IN USA BY PEAT BASED LLC

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An extremely bioactive growth promoting and soil improving agent in crystals form with a high concentration of natural fulvic and humic acids from lowland peat.

DESCRIPTION

Peat based humate is a concentrated humic and fulvic acid substance and a water soluble high quality plant growth stimulant and soil conditioner. It can be applied to agricultural and horticultural plants by soil and foliar application. It can be used alone or mixed with most fertilizers. Due to its crystal form it can be transported easily. Moreover, it can be applied to all agricultural and horticultural plants. Our product is able to enhance the performance of fertilizers and thus reduces input costs.

ORIGIN

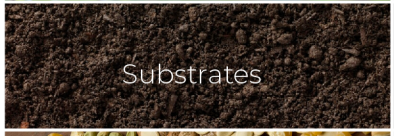
Lowland peat source allows the use of a gentle manufacturing technology in order to maintain product's biological activity. The raw material's unique properties let's us to use less alkaline during the production, which results in flawless molecular structure of humic substances in the final product. Keeping flawless molecular structure of humic and fulvic acids is the main key factor in order to achieve the highest biological activity index.

HUMIC & FULVIC ACID EFFECT

- Increases yield and improves quality of plants
- Improves soil structure and increases water holding capacity
- Increases and stimulates beneficial microorganisms
- Enhances soil cation exchange capacity (CEC)
- Increases the efficiency of fertilizers and reduces nutrient leaching
- Promotes root development
- Increases nutrient uptake
- Acts as a natural chelator for microelements in alkaline soils and increases their availability for plants
- Decreases drought- and pesticide-induced stress
- Increases seed germination and enhances development of radicles
- Reduces residues of herbicides and toxic substances in soil
- Delays the decomposition of ultraviolet unstable agents

Specifications	ISO 19822/HPTA	Colorimetric	CDFA
Humic Acid	49.15%	60.4%	67.19%
Fulvic Acid	10.46%	11.9%	

Test	Result	
Potassium (K_2O)	10-12%	
Total Nitrogen, N	2.1%	
Moisture	8.6%	
Acid Solubility	42.9%	
Water Solubility	95.4%	
	3-7 min	20-50°C
	10 min	<20°C
pH (1:100)	9-9.5	
Calcium (Ca)	2.63%	
Iron (Fe)	3.1%	
Magnesium (Mg)	2.32%	

TYPE	RECOMMENDED APPLICATION RATES *
	6 - 10 kg/ha divided into several applications (1 - 2 kg/ha) during the vegetation period
	15 - 30 g/100 L water every two weeks during the vegetation period
	0.1 - 0.5 kg/m^3
	0.1 % or 100 g/100 kg seed dressing according to thousand grain weight (T.G.W.)
	10 - 30 g/1000 L nutrient solution during the cultivation cycle

* These are standard recommendations that can vary according to soil properties, cultivated crop and local system conditions.