



Fulvic Bio

Fulvic acid

**100% natural and sustainable
soil conditioner**

Typical fulvic acid molecular structure

Introduction

Fulvic Bio is a new, natural and sustainable fulvic acid formulation which is a simple by-product of a potable water purification process rather than the traditional high energy, chemical production method of extraction from brown coal.

Humic compounds are formed by the microbial degradation of plant material such as lignin. The main component being a group of humic acids which includes fulvic acids characterised by their lower molecular weight and therefore 'smaller'. Having lower molecular weight results in some interesting and useful chemical properties.



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Fulvic acid readily form complexes, also known as fulvic colloids with elements such as iron, manganese and zinc and help solubilise phosphorus in the soil. Because, and unlike other humic equivalents, fulvic colloids are able to pass through biological membranes; this in turn increases availability and subsequent metabolism of nutrients by plants.

Fulvic Bio is a food source for many beneficial soil-living organisms which contribute to the creation of a healthy and productive soil.

Uses

To rejuvenate tired, denatured and depleted soils in a natural, environmentally benign way.

To help replicate healthy soil properties in artificial growing media such as peat/coir-based composts.

Can be used with other Solufeed soil amendment products to improve soils and other growing media still further.

Please contact Solufeed regarding other applications for *Fulvic Bio*.

Benefits

- Restores and improves normal soil biochemistry.
- Encourages beneficial soil biology.
- Increases availability and uptake of essential mineral nutrients.
- A natural product recovered from the processing of drinking water.
- Easy to use liquid formulation.

Composition

Component	Value (~)
Fulvic acid	17 %
Humic acid	3 %
Organic matter	220 g/l
pH	8.34
CEC	94-185 cmol+/kg
Miscibility in water	100 %
Specific gravity	1.1

Directions for use

Use	Dosage
Seed coatings	10%
Field application	10 l/ha
Row application	5-10 l/ha
Potting plants (biweekly)	1.5 ml/l water
Fertilizer (cations)	1 l / 1000 l
Foliar application	3-5 l/ha
Foliar application with fertilizer	2-3 l/ha
Fungicide, insecticide	1.5-2 l/ha
Herbicide	1.5-3 l/ha
Herbicide (LVS system*)	0.5 l/ha
Tankmix stabilisation	2 l/ha

*Check compatibility

General information

Compatibility

The effectiveness of *Fulvic Bio* cannot be guaranteed if it is used in combination with other products.

Technical service

Please contact Solufeed at the address below for assistance.

Packaging

20 litre jerry cans and 1,000 litre IBCs.

Precautions

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below. This should be read fully before use.

Important

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