



Fulvic 25

Fulvic acid

**100% natural and sustainable
soil conditioner**

Typical fulvic acid molecular structure

Introduction

Fulvic 25 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. The source is water, drawn from a depth of 300 metres below certain peaty soil areas in The Netherlands, which contains a small amount of natural humic compounds. This gives the water a slight colouration and although harmless, the compounds are removed by the Dutch water company before the water is supplied to consumers.



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.

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.

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 Plant Health Cure soil amendment products to improve soils and other growing media still further.

Please contact Solufeed regarding other applications for *Fulvic 25*.

Benefits

- Restores and improves normal soil biochemistry.
- 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

Soil application

Rates of use: 50 litres/ha in 200 – 1,000 litres of water

Directions: Apply as a coarse spray as evenly as possible
For band application to row crops, the rate can be reduced accordingly.

Use through irrigation. Rate 20ml per litre of stock tank solution.

General information

Compatibility

The effectiveness of *Fulvic 25* 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

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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Solufeed Ltd
The Depot
Chichester Road
Sidlesham Common
Chichester
West Sussex PO20 7PY
Tel: +44(0)1243 554090
enquiries@solufeed.com
www.solufeed.com