



## BIOSTIMULANT WITH FULVIC ACIDS

**FULVAGRA® Liquid 25** is a bioactive growth promoting liquid based on aquatic fulvic acids. Fulvic acids stimulate the root development and metabolism of plants. Fulvic acids act as natural chelators and improve nutrient availability and uptake by the plant. Due to the small molecular size, fulvic acids can be taken up by the plants very easily via the leaf surface and through the roots.

**FULVAGRA® Liquid 25** is the perfect addition for foliar fertilizers und plant protection agents. (Pre mixing test advised)

### BENEFITS & RECOMMENDED APPLICATION

- Promotes the collection and transport of all nutrients contained in leaf fertilizers
- Easy to handle, with good technical compatibility and miscibility with other additives
- Stimulates enzymatic activity and increases the plant's own defenses against abiotic stress factors
- Acts as an antioxidant against free radicals and thus prevents cellular damage

#### FIELDS OF APPLICATION

- Agriculture
- Vegetable Production
- Fruit Production
- Turf grass and Landscaping

#### RECOMMENDED APPLICATION RATES\*

Soil	10 – 20 L/ha divided into several spray applications
Foliar	1 – 2 L/ha with every application of foliar fertilizers or plant protection agents
Hydroponics	10 – 20 ml/1000 L nutrient solution during the cultivation cycle

\* Standard recommendations that can vary according to soil properties, cultivated crop and local application conditions.

#### SHAKE WELL BEFORE USE

Please remind to shake well the bottle or container prepared mix well before use.



#### BLEND USE NOTICE

Before use in combination with other agents, first preparation of a sample mix in a small scale is recommended to avoid any risk of flocculation.



#### PREPARATION OF MIXTURE

Make sure sufficient amount of solution is added to half water filled tank while agitator is running. Add additional substances or crop protection agents before filling the tank fully with water.



#### INHERENT COMPOSITION (Typical values based on Fresh Matter)

Total Humic Acids <sup>1</sup>	18 %	Organic Substance	20 – 21 %
Humic Acid <sup>1/2</sup>	1 %	pH	7 – 8
Fulvic Acid <sup>1</sup>	17 %	Sodium (Na)	3 – 3.5 %
Fulvic Acid <sup>2</sup>	12 %	Density	1.13 – 1.14 g/cm <sup>3</sup>
Dry Matter	22 – 25 %		

<sup>1</sup> according to ISO 12728:5 | Prof. Rob Comans (Soil Chemist, Wageningen University)

Hydrophobic and Hydrophilic Fulvic Acids

<sup>2</sup> according to ISO 19822 | HPTA | AAPFCO | IHSS Analysis method Hydrophobic Fulvic Acid 12%

#### CONDITIONS FOR SAFE HANDLING AND STORAGE

Store in a dry area, protected from frost, heat and direct sunlight.

**KEEP OUT OF THE REACH OF CHILDREN, PETS AND FOOD**



#### DELIVERY SPECS



German technology

Administration & Distribution: **HUMINTECH GMBH**

Am Pösenberg 9 – 13 • 41517 Grevenbroich / Germany • E-Mail: info@humintech.com • Internet: www.humintech.com

