



SOIL CONDITIONER & BIOSTIMULANT

POWHUMUS® WSG 85 is a water-soluble organic plant growth stimulant and soil conditioner based on active humic acid (potassium humate). As a permanent humic substance will remain stable in the soil and cannot be easily decomposed by soil microorganisms.

POWHUMUS® WSG 85 is a bioactive growth stimulant and organic soil conditioner, especially for sandy and heavy clay soils.

POWHUMUS® WSG 85 has a stimulating effect on plant growth, root development and increases and stimulates beneficial soil microorganisms. **POWHUMUS® WSG 85** can be combined with other fertilizers and pesticides, after undertaking a trial mix. It can be applied onto the ground or sprayed over the crop.

BENEFITS & RECOMMENDED APPLICATION

- **Premium quality:** Highest water solubility and product purity
- Immediately improves plant nutrient absorption and fertilizer efficiency of soils
- Increases the stress tolerance of plants against drought, salt, cold and heat
- Stimulates vigorous root growth and yield formation
- Increases the buffering and cation exchange capacity of soils
- Acts as a natural chelator for micronutrients in soils and increases their availability to plants
- Stimulates the formation of fertile, microbially active soils
- Improves the soil structure and increases its water holding capacity
- Increases the germination of seeds and enhances development of radicles

FIELDS OF APPLICATION

- Agriculture
- Vegetable Production
- Horticultural fruit trees
- Substrate Cultivation
- Hydroponics
- Turf grass and Landscaping
- Seed Treatment

RECOMMENDED APPLICATION RATES*

Soil	6 – 10 kg/ha divided into several applications (1 – 2 kg/ha) during the vegetation period
Foliar	15 – 30 g/100 L water every two weeks during the vegetation period
Substrates	0.1 – 0.5 kg/m ³
Seeds	0.1% or 100 g/100 kg seed dressing according to thousand grain weight (T.G.W.)
Hydroponics	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.

INHERENT COMPOSITION

(Typical values based on Dry Matter)

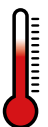
Potassium Humates	80 – 85 %	Dry Matter	83 – 85 %
Total Humic Acids ^{1/2}	68 – 73 %	Organic Substance	68 – 73 %
Humic Acid ¹	63 – 67 %	pH – value	9.5 – 10.5
Fulvic Acid ¹	5 – 6 %	Bulk Density	0.55 – 0.65 kg/L
Potassium (K ₂ O)	10 – 12 %		

¹ according to ISO 19822 | HPTA | AAPFCO | IHSS Analysis method

² according to CDFA 65 % | Colorimetric method 73 %

STORAGE

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



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German technology

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