



## SOIL CONDITIONER & BIOSTIMULANT

**POWHUMUS<sup>®</sup> WSG 85** is a water-soluble organic plant growth stimulant and soil conditioner based on active humic acid (potassium humate) highly effective in sandy and heavy clay soil environments.

**POWHUMUS<sup>®</sup> WSG 85** has a stimulating effect on plant growth, root development and increases life comfort of beneficial soil microorganisms and biodiversity.

**POWHUMUS<sup>®</sup> WSG 85** can be combined with other fertilizers and pesticides, after undertaking a trial mix. It can be applied into the ground or sprayed over the crops.

## BENEFITS & RECOMMENDED APPLICATION

- Premium quality:** High water solubility and purity immediately improves plant nutrient absorption and fertilizer use efficiency
- Increases the stress tolerance of plants against drought, salt, cold and heat
- Stimulates vigorous root growth and yield formation
- Acts as a natural chelator for micronutrients in soils and increases their availability to plants
- Improves the soil structure and increases its water holding capacity
- Increases the buffering and cation exchange capacity of soils

## FIELDS OF APPLICATION

- Agriculture
- Vegetable Production
- Vineyards and Horticulture
- Substrate Cultivation
- Hydroponics
- Turf grass and Landscaping
- Seed Treatment

## RECOMMENDED APPLICATION RATES\*

Soil	1.5 – 15 kg/ha depending on the crop, can be divided into several applications
Foliar	15 – 30 g/100 L water every two weeks during the vegetation period
Substrates	0.1 – 0.5 kg/m <sup>3</sup>
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

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

## 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.



## STIR WELL BEFORE USE

After mixing the blend solution, rest for 30 minutes and stir again.



## 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 Dry Matter)

Potassium Humates	80 – 85 %	Dry Matter	83 – 85 %
Total Humic Acids <sup>1/2</sup>	68 – 73 %	Organic Substance	68 – 73 %
Humic Acid <sup>1</sup>	55 – 60 %	pH	10 – 11
Fulvic Acid <sup>1</sup>	4 – 5 %	Bulk Density	0.55 – 0.65 g/cm <sup>3</sup>
Potassium (K <sub>2</sub> O)	10 – 12 %		

<sup>1</sup> according to ISO 19822 | HPTA | AAPFCO | IHSS Analysis method

<sup>2</sup> according to CDFA 65 – 70 % | Colorimetric method 73 %

## CONDITIONS FOR SAFE HANDLING AND STORAGE

Store in a dry area, protected from frost, heat and direct sunlight. Can be stored up to 5 years in its original packaging.

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



## DELIVERY SPECS



Carton Box  
1 / 10 kg



Bag  
1 / 20 kg



Big Bag

