

Made in Germany



HIGHLY CONCENTRATED BIOSTIMULANT & FERTILIZER

HUMAGRA® NPK 6-0-10 + HUMIC ACIDS is a water soluble, organic mineral fertilizer based on potassium humate (activated humic acids) from high quality German Leonardite and nitrogen. It provides plant available nitrogen and potassium for high crop yields. Due to the humic substances with their high cation exchange capacity, the nutrients are bound so that they are available for plants. Humic substances, especially in sandy soils, form the very basis for sustainable and efficient nutrient absorption by the plant. **HUMAGRA® NPK 6-0-10 + HUMIC ACIDS** can be applied using fertigation, hydroponic and sprinkler systems as well as conventional foliar sprays. Also suitable for hydroponic cultivation systems.

BENEFITS & RECOMMENDED APPLICATION

- Provides available nitrogen and potassium to the plant and prevents nitrate leaching
- Increases fertilizer use efficiency
- Strengthens early plant development and facilitates full growth potential
- Increases tolerance of plants against abiotic stress (drought, salt stress, cold and heat)
- Increases the buffering capacity and cation exchange capacity (CEC) of soils
- Promotes a deep and dense root development

FIELDS OF APPLICATION

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

RECOMMENDED APPLICATION RATES *

Soil	8 – 10 kg/ha divided into several applications (1 – 2 kg/ha) during the vegetation period
Foliar	15 – 25 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 – 20 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	70 %	Organic Substance	60 – 63 %
Total Humic Acids ^{1/2}	59 – 60 %	pH	9.5 – 10.5
Humic Acid ¹	56 – 57 %	Potassium (K ₂ O)	10 %
Humic Acid ²	45 – 46 %	Total Nitrogen (N)	6 %
Fulvic Acid ²	4 – 5 %	There of available Nitrogen (N)	5 %
Dry Matter	83 – 85 %	Bulk Density	0.55 – 0.65 g/cm ³

¹ according to CDFA 57 % | Colorimetric method 70 %

² according to ISO 19822 | HPTA | AAPFCO | IHSS Analysis method

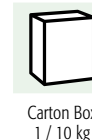
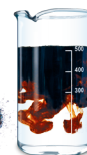
CONDITIONS FOR SAFE HANDLING AND STORAGE

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



German technology



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