



INSTRUCTIONS FOR USE:

General notes:

- «HUMIN PLUS», «SAPROPEET», can be applied at any stage of plant development, especially in those phases of development, in which the plants are in dire need of nutrients.
- Application should be carried out not more than once every 2 weeks.

- To prepare the working solution it is necessary to dissolve the concentrated product in the correct amount of water and mix well.
- The working solution should be prepared immediately before use.
- If necessary, the spraying of plants can be carried out in combination with insecticides, fungicides, biological products, macro and micro fertilizers.
- During prolonged dry and hot weather it is recommended that the product is applied to fertilize plant roots.
- On irrigated fields it is recommended to use root fertilizing

Application of undiluted product and overdosing IS UNACCEPTABLE!

Methods of application.

Preparation «HUMIN PLUS», «SAPROPEET» can be used in one or more of the following methods:

1. Soaking of plant cuttings:

- Suitable for all kinds of trees and shrubs.
- The preparation must be diluted with water in a ratio 1:1000
- The cuttings should be soaked in the diluted solution for 1 to 2 hours before planting in soil.

2. Foliar treatment (on leaves):

- Applies to all crops and trees.
- The preparation must be diluted with water in a ratio 1:1000
- Spray the diluted solution on plants to full wetting.
- Spraying should be carried out in the morning or evening.
- The recommended time between spraying crops and subsequent rains should be not less than 6 hours.

3. Root treatment:

- Dilute «HUMIN PLUS», «SAPROPEET», in water at a ratio of 1:500 to make solution.
- Apply the solution to the soil in any convenient way.
- It is possible to combine top dressing with irrigation. In this case, the preparation concentration should be less than the above ratio in order that the combined preparation application rate per hectare meets the recommended rate.
- It is recommended to combine «HUMIN PLUS», «SAPROPEET», with other fertilizers if they are required.

4. Preparation of compost

- Dilute «HUMIN PLUS», «SAPROPEET», in water at a ratio of 1:500 to make solution.
- The Working solution should be sprayed on each new layer of compost.

5. Enriching the soil with the active humus and useful microflora during the spring and autumn.

- Dilute «HUMIN PLUS», «SAPROPEET», in water at a ratio of 1:250.
- Apply the solution to the soil in any convenient way.

Manufacturer and Supplier:

*«The German-Ukrainian Center for Innovative Agri-industrial Technologies - FuTech»
from technologies developed by
«The German-Russian Institute of Biomagnetic Cybernetics and Nanotechnologies»,
German Patent DE 10 2009 043 821 A1.*

Distributor in African countries:

Sapropeat Africa Ltd
NAIROBI
Kenya
Mobile +254 736362361
+254 716228166
E-mail: mike@sapropeat africa.com
www.sapropeat africa.com

Trade Mark «HUMIN PLUS»

&

European trademark «SAPROPEET».

Meet the quality requirements of the German law on fertilizers DüMV.



Quality Certificate of European Agrophysical Institute.

*Natural eco-friendly microfertilizer with quick effect,
characterized by high efficiency and versatility.*

«HUMIN PLUS» & «SAPROPEET»



Made from a unique mixture of sapropel and peat - the subsurface residue of lakes, freshwater ponds and marshes, which are located only in protected areas of North-West Europe, the age of which is several tens of thousands of years.



**Sapropel - a black biogold
of ancient lakes**



The quality and effectiveness of preparations of «HUMIN PLUS», «SAPROPEET» are confirmed by long-term testing carried out in various climatic conditions from Southern Africa to Northern Europe and meets all requirements of the German law on fertilizers DüMV and has the appropriate licences.

The application of «HUMIN PLUS», «SAPROPEET» using a dose of 0.2 - 0.4 liters per hectare (by vegetation) gives an effect corresponding to the application of 50 to 200 tons of organic fertilizer with a commensurate increase in crop yield.

What distinguishes microfertilizers series «HUMIN PLUS», «SAPROPEET» from other preparations, in particular those containing humin, and why are they unique and more effective?

«HUMIN PLUS», «SAPROPEET» are prepared using deep processing under our patented European technology without the use of chemicals and using two components of natural raw materials of plant origin - peat and sapropel. This process is unique in the world market.

The uniqueness of the preparation is determined by three main factors:

- **The ecological purity and saturation of the natural raw materials, natural trace elements, vitamins, amino acids and plant hormones.**
- **The use of nanotechnology ensures deep and reagentless two-component decomposition of the raw materials which are easily digestible by plants in chelated form.**
- **Multifactor impact on the bio system as a whole.**



What are the fundamental differences between relic sapropel and peat and other types of organogenic raw materials such as lignin, brown coal, organic - litter, manure?

Only in sapropel and peat do we find the diversity of organic and mineral components, a wide range of amino acids, sugars, peptides, enzymes, an expanded composition of micro elements in form of organometallic complexes necessary for plants and soil.

The variety of components and their proportions in the relic raw peat and sapropel is balanced by nature itself and all of them are necessary not only to plants at all stages of development, but also for animals and humans. Reagentless technology for processing allows us to save all the natural balanced components of natures raw materials, making them available to plants.

The application of nonchemical nanotechnology in the deep processing of raw materials is applied using a unique reactor-resonator with subsequent magnetic activation of the final product.

Plenty of existing manufacturers of humic substances, competing in the market for the consumer, make it their aim mainly to make a profit, marketing their products under a common brand "Humate". The consumer does not know from what raw material, with what method of production and with what chemicals the product he is buying is manufactured.

The main drawback in the market for humic substances is a huge variation in quality, the low speed of production and the quantity of useful substances included in the products being sold.

By using new nanotechnology in the processing of the raw materials we have produced a microfertilizer with qualitatively new characteristics :

- stable quality control regulated by the main production process parameters;
- enhanced physiological activity in a predetermined quantity and process activating the main active substances.



Multifactor impact.

The application of «HUMIN PLUS», «SAPROPEET» in top dressing of soil, seed treatment and processing by plant vegetation, has a positive and multi factor affect on all biogeocenosis, allowing the consumer to receive stable yield increases and reduce their dependence on various negative environmental factors - e.g. frost, drought, floods, and allows for the considerable reduction (by 40 to 50%) in the normal application of chemical fertilizers and crop protection products.

Our product is certified and recommended for use by the European Agrophysical Institute (EAI), Switzerland.

Compatibility:

Production tests and practical application of microfertilizer «HUMIN PLUS», «SAPROPEET», show its good compatibility with all fertilizers and plant protection chemicals insecticides, fungicides, herbicides and biological products.

Mass fraction of nutrients:

- Humin acids = not less 15 gr/L
- Fulvic acids = not less 6,9 gr/L
- N = 1,3 to 3,5 gr/L
- phosphorus (in terms of P₂O₅) = 1,9 to 4,7 g/L
- potassium (in terms on K₂O) = 0,08 to 1,22 g/L
- as well as manganese, copper, zinc, silicon and other trace elements required for plant growth
- pH = 6,0 to 8,5

Storage:

Store in a cool, dark secure area in tightly closed, undamaged original packaging at temperatures ranging between -5 to +35 degrees C.

Expiry Date:

3 years from date of manufacture and packaging.

