



Changsha XianShanYuan Agriculture & Technology Co., Ltd.

ROOM 17-22 28/F., CENTER OF CITY, 235 WUYI ROAD, CHANGSHA, HUNAN, CHINA

Contact: (Ms.) Enya | E: enya@xsyagri.com | T: +86-731-8446-4398 | F +86-731-8446-0498

Mob/WhatsApp: +86-15084906070 | Skype: enya.zwp | www.xsyagri.com

Humic Acid



Humic Acid is extracted from compressed, ancient plant matter in the form of leonardite (a soft brown coal) as one kind of high polymer heterogeneous aromatic materials contains hydroxyl, carboxyl, phenolic hydroxyl and other active groups with black brown appearance.

It is an ideal additive to boost bio-activity and improve the performance of compost or composted fertilizers. The composting process speeds the release of the humic and fulvic acids.

Function & Benefits:

- Enhance nutrient uptake by combining nutrients and humic acid as well as keep a well-balanced nutrition.
- Improve the structure of soil, increase the buffering powder of soil, optimize N. P. K absorption by plants.
- Neutralize both acid and alkaline soils, regulate the PH value of soils, with the prominent effect in alkaline and acidic soil
- Reduce nitrate leaking into the groundwater and protect the underground water
- Enhance the resilience of crops, such as cold, drought, pest, disease and toppling resistance
- Stabilize nitrogen and improve nitrogen efficiency (as an additive with urea)
- Promote healthier, stronger plants and beautify appearance
- Buffering the effects of excessive elements (particularly sodium), toxic chemicals and heavy metals.
- Promoting seed germination in a shorter time
- Offering soil structure improvement by promoting fungi to create a crumb structure for better water and oxygen intake and improved root penetration

Extending the performance of urea in the soil by 60-80 days and buffers the burning effect of urea as a foliar

Applications:

- 50-100kgs/ha/time, 2-3 times during seedling and growth stage, better to be applied with N, P fertilizers for field crop
- 1-2kgs/per plant for fruit tree
- Mixing 30-60kgs per ton of composite with other additives or according to the condition of soil

Specifications

ITEM	STANDARD		
Humic acid (dry basis)	50.0% min	60.0% min	70.0% min
Organic matter (dry basis)	60.0% min	70.0% min	80.0% min
C.E.C (dry basis)	1.8mmol/g min	2.5mmol/g min	3.0mmol/g min
PH Value	4.0-6.0	4.0-6.0	4.0-6.0
Appearance	Powder/Pearl/Ball		Powder
Size	2-4 or 1-3 mm (pearl/ball), 60-80 mesh (powder)		60-80 mesh
Packing	25 or 50kg/PE inner or kraft paper or upon request		