



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: +86-731-8446-4378 | F +86-731-8446-0498
Mob/WhatsApp: +86-150-84906070 | Skype: enya.zwp | www.xsyagri.com

Potassium Humate



Potassium humate (K-humate) is one of the major components of humic substances. Potassium humate is obtained by alkaline extraction of lignite or brown coal or leonardite and is used commercially as a soil conditioner.

Chemically, it is a super-molecular heterogeneous aromatic hydroxy carboxylic acid composed by various functional groups, taking on effects of sorption, complexation, chelation, flocculation, which dissolves loads of hydrophobic matters.

Function & Benefits:

Agriculture

- Enhancing nutrient uptake by combining nutrients and humic acid as well as keep a well-balanced nutrition.
- Improving the structure of soil, increasing the buffering power of soil, optimize N. P. K absorption by plants.
- Neutralizing both acid and alkaline soils, regulating the PH value of soils, with the prominent effect in alkaline and acidic soil
- Reducing nitrate leaking into the groundwater and protect the underground water
- Enhancing the resilience of crops, such as cold, drought, pest, disease and toppling resistance
- Stabilizing nitrogen and improving nitrogen efficiency (as an additive with urea)
- Promoting healthier, stronger plants and beautifying appearance

Industry

- Petroleum drilling fluid decreasing and filtering agent
- Boiler anti-scaling agent and water quality stabilizer
- Cementing agent for pulverized coal shaping
- Removing toxic metals and their ions from wastewater
- Dispersing agent and deflocculating agent
- Assisting in the removal of trace amounts of grease, oil, liquid organics and suspended matter

Applications:

- 5-10kgs/ha/time, 2-3 times during seedling and growth stage, better to be applied with N, P fertilizers
- Mixed with Nitrogen fertilizers: 5% of total blend i.e, 5kgs of Potassium Humate per 100kgs of Urea
- Used as multi-functional compound and basal fertilizer, top dressing, seed fertilizer and foliar fertilizer





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: +86-731-8446-4378 | F +86-731-8446-0498
Mob/WhatsApp: +86-150-84906070 | Skype: enya.zwp | www.xsyagri.com

Specifications

ITEM	STANDARD			
	I	II	III	IV
Humic acid (dry basis)	50.0% min	60.0% min	70.0% min	80.0% min
Moisture	15.0% max	15.0% max	15.0% max	15.0% max
Solubility	85.0% min	90.0% min	95.0 % min	100%
K2O	8.0% min	10.0% min	12.0% min	10.0% min
PH Value	9.0-11.0	9.0-11.0	9.0-11.0	9.0-11.0
Form	Powder/Granule/Pearl/Ball/Flake			
Packing	25 or 50kg/PE inner or kraft paper or upon request			

About Us

Xian Shan Yuan Agriculture & Technology Co., Ltd, is an ISO:9001 and BV verified company founded at 2006, in Changsha, Hunan, China, is specialized in organic fertilizers, natural botanic pesticide, other materials and products for agriculture, horticulture and aquaculture.

With many years working to offer high standard goods and premium services, the company have extended the market in more that 30 countries. The company's business is growing up stably and healthily, keeping frequent and regular commercial association with customers from all over the world.

We sincerely wish to establish a business connection with clients from every corner around the globe and we, the whole crew of this company, are working hard to expand our enterprise world wide.

Why choose us?

We have experienced agriculture technical employees and qualified foreign traders, who have deep knowledge on agriculture products. We are young but energetic and always reflecting the management and product philosophy of "Nature is our Origin, Origin is Our Nature" while working.

We hold to the spirits of profession, concentration and earnest while devoting ourselves to the development of green agriculture. It creates much wealth for the whole society as well as provides professional knowledge for the manufacturers, high quality products for the buyers and good opportunity to get benefit for the sellers. We hope all those contributions become more in the near future and we are looking forward to establishing friendly business