

# Nature Agrotech Co.,Ltd

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## Technical Data Sheet

### AMINO ACID FERTILIZER (RAW MATERIAL: CORN)

#### Specification

ITEM	STANDARD	TEST METHOD	RESULT
Appearance	Brown black granular	Visual observation	Brown black granular
Nitrogen	12.0% min	GB/21633-2008	12.5%
P2O5	0.5% min	GB/21633-2008	0.6%
K2O	1.0% min	GB/21633-2008	1.6%
Organic matter	50% min	NF EN13039	72%
Amino acid	6-8%	GB/T18246-2000	8.12%
PH	3.0-4.0	/	3.5
S	8% min	NY/T1117	8.4%
Trace element	2% min	NY/T1974	2.1%
Humic acid	10% min	NY/T1106-2006	10.53%
Granularity (1-4.75mm)	90% min	/	93.8%
Moisture	3% max	GB/21633-2008	1.15%
Hg	2ppm max	NY/T1978	0.24ppm
As	2ppm max	NY/T1978	0.35ppm
Cd	2.5ppm max	NY/T1978	0.45ppm
Pb	5ppm max	NY/T1978	1.21ppm
Cr	5ppm max	NY/T1978	1.24ppm

**1.Appearance:** Brown black granular

**2.Derived from:** Corn

**3.Compatibility with other products:** It can be blend with urea, AS , DAP ,SOP to provide all the nutrients needed for crop growth. Also can be used as topdressing alone.

**4.Packing:**25kg ,50kg,1000kg, 1100kg,1200kg package

**5.Products features:**

This product is a green and high efficiency pollution-free fertilizer which is fermented by corn and granulated by concentrated spraying. It is rich in organic matter, amino acids and a variety of medium and trace elements, which can effectively activate and loosen the soil, improve the nutrient environment of crop roots, improve the utilization rate, improve the soil water and fertilizer conservation capacity, effectively enhance the drought resistance, disease resistance and continuous cropping resistance of crops, greatly improve the yield and quality of crops, and the effect is better when combined with phosphorus and potassium fertilizer. It is the best choice to produce green agricultural products.

**6.Applications:** All crops for soil and soilless greenhouse crops in agriculture and horticulture. It is also suitable for aquaculture.

**7.Product advantages:**

**1. Unique formula, comprehensive nutrition and long-lasting fertility.** The raw material is the mother liquor formed by concentrating liquor of corn processing and extracting. It is rich in nitrogen, amino acids, organic matter and other nutrients. It is made by spray granulation after high-temperature fermentation. It is easy to dissolve and make crops absorb efficiently. It can effectively regulate and improve the soil, store water and maintain fertilizer, improve the utilization rate of other fertilizers, promote the growth of crops, and improve the yield and quality of crops.

**2. Long term supply of fertilizer, steady growth of fertilizer efficiency, increase of yield and promotion of early maturity.** Under the regulation of microorganisms, organic matter, medium and trace elements and available nutrients work together to promote the growth of crop roots. The proportion of various nutrients is balanced and scientific, and the nutrient utilization rate is high. Generally, it can increase the yield of grain crops by more than 10% and ripen 4-6 days earlier, and increase the yield of cash crops by more than 20% - 45% and ripen 6-8 days earlier.

**3. Enhance the resistance of crops.** It contains biological bacteria and medium and trace elements. It has strong resistance to disease and lodging. It is beneficial to the physiological regulation function of microorganisms. It can protect the root development and improve the nutrient absorption capacity, so as to enhance the resistance to lodging, disease and drought.

**4. Improve the quality and taste of agricultural products.** The nutrient utilization rate is as high as 60%, the contents of vitamin and reducing sugar in the crop are increased, the contents of nitrate, nitrite and heavy metals are reduced, and the nutritional quality and eating quality of agricultural products are improved.

**5. Strengthen the soil fertility and combine land use with land maintenance.** It can improve the soil aggregate structure, increase the content of beneficial microorganisms and organic matter, reduce the soil bulk density, make the soil loose which is conducive to water retention and ventilation, and provide conditions for crop growth.

**6. PH value is acidic, which is very suitable for soil improvement in saline alkali land.**

**Usage and recommended dosage:**

spread fertilizer over the fields; 750-1500 kg per hectare,

Specific dosage can be adjusted according to local soil fertility, crop growth and fertilization habits.

**Remark:**

The formula can be customized according to customers' requirement