

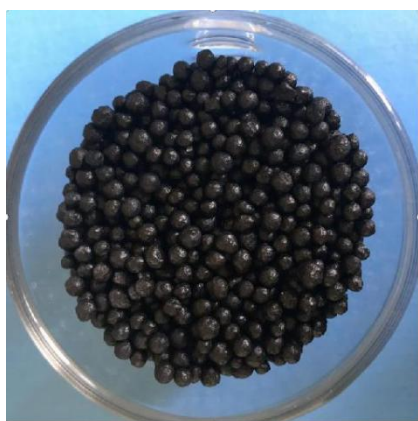
# 1. Organic Fertilizer

### Product Introduction:

- **Humic Acid** is extracted from natural leonardite and weathered coal .And it is a permanent humic substance and can not be degraded that fast by the microorganism in the soil .It is a natural additive for fertilizer to improve the structure of the soil and increase the fertility .
- **Amino Acid** is a new type organic nitrogen fertilizer, it'sefficient, green fertilizer, made from residue of monosodium glutamate after pressing, using advanced production equipment, granulated under high temperature. It provides organic matter,Nitrogen and Potassium to the plant, improves soil fertility, promotes root growth, hence increases the yield, as well as quality.

### Product specification:

Item	Humic Acid	Amino Acid	Fulvic acid	Organic Matter	NPK
<b>Chicken Manure</b>	-----	-----	-----	45%min	4-1-1
<b>Humic acid Granular</b>	40%min	-----	-----	85%min	1%min
	25%min	-----	-----	45%min	3-1-1
	15%min	5%min	-----	70%min	3-1-1
	15%min	3%min	-----	45%min	4-2-1
	15%min	3%min	-----	45%min	4-3-3
	15%min	-----	-----	40%min	6-3-4
	15%min	-----	-----	40%min	8-1-1
<b>Amino acid Granular</b>	3%min	10%min		20%min	12-0-3
	3%min	10%min		20%min	12-3-3
	3%min	10%min		20%min	14-0-2
	2%min	8%min		20%min	14-3-3
	2%min	8%min		20%min	16-0-1
<b>Remark</b>	<b>Can be customized according to customer specifications</b>				



### Product Characteristics:

- Promote physiological metabolism of crops.
- Improve the utilization rate of fertilizers.
- Improved soil
- It is good to suppress the disease of the soil and to resist the cold and drought resistance.
- The soil and plant plants should be well adjusted to enhance the ability of plants to absorb nutrients.

### Applicable crops:

Widely used in melons, fruits, vegetables, herbs, flowers and other cash crops and field crops.

## 2. Potassium Humate

### Product Introduction:

**POTASSIUM HUMATE** is extracted from natural leonardite. It is black powder or crystal granular, soluble in water, which perfectly combines humic acids and nutrients. It is organic chelator and microbial stimulator.

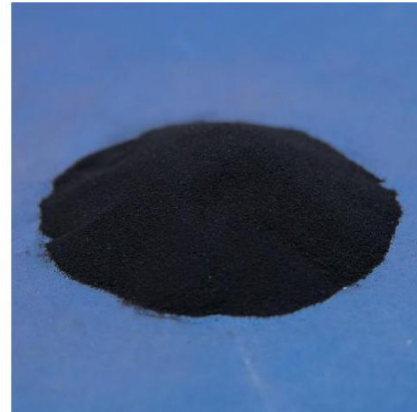
### Product specification:

Item	Humic Acid	K2O	Moisture	PH	Solubility	Appearance
Potassium Humate	45%min	4%min	15%max	9-10	85%min	Flake/Powder / Crystal / Granule
	50%min	8%min	15%max	9-10	90%min	Powder / Crystal / Granule/Flake
	60%min	10%min	15%max	9-11	98%min	Powder / Crystal / Granule/Flake
	70%min	12%min	15%max	9-11	98%min	Powder / Crystal / Granule/Flake

**Flake**



**Powder**



**Granular**



**Crystal**



### For soil:

➤ To improve soil physical characteristics , soil aggregate structure, reduce soil compaction resistance, to achieve good status ;

To increase the cation exchange capacity of the soil and fertilizer maintenance capacity. To make fertilizer release slowly, and improve the soil water holding capacity;

➤ Promote beneficial microorganism activity in soil;

➤ Increase the buffer capacity of soil, neutralization of soil PH value

### **For Plants:**

- Increase crop respiration and photosynthesis, enhance crop resilience, such as drought resistance, cold hardiness, disease resistance;
- Release of nutrient elements after being decomposition, keep a well-balanced nutrition for plants;
- Promote root and increase yield. Improve crop quality improve fruit sweetness.

### **Application Ranges**

- Can be used as base fertilizer. Furrows, broadcast are available.
- The ground spraying and foliar spraying (0.10.2% solution);
- It's suitable for fruit trees, tea, orange, grape, strawberry, all kinds of trees, trees, flowers, fruit, vegetables, rice and other crops.
- The root irrigating with 500 times solution;
- Foliar application with 1000 times solution;
- 20-25kg/Mu.

## **3. NPK fertilizer**

### **Product Introduction:**

- NPK fertilizer is primarily composed of three main elements: Nitrogen (N), Phosphorus (P), and Potassium (K), each of these being essential in plant nutrition. Among other benefits, Nitrogen helps plants grow quickly, while also increasing the production of seed and fruit, and bettering the quality of leaf and forage crops. Nitrogen is also a component of chlorophyll, the substance that gives plants their green color, and also aids in photosynthesis.
- Phosphorus, also a key player in the photosynthesis process, plays a vital role in a variety of the things needed by plants. Phosphorus supports the formation of oils, sugars, and starches. The transformation of solar energy into chemical energy is also aided by phosphorus, as well as is development of the plant, and the ability to withstand stress. Additionally, phosphorus encourages the growth of roots, and promotes blooming.
- Potassium, the third essential nutrient plants demand, assists in photosynthesis, fruit quality, the building of protein, and the reduction of disease.

### **Application:**

- Flowers: Lilies, Carnations, Flower seedlings
- Vegetables: Tomatoes, Peppers, Cucumbers, Lettuce, Cabbages, Eggplants, Cauliflowers, Potatoes, Vegetable seedlings
- Fruit crops: Table grapes, Apples, Bananas, Watermelons, Muskmelons



## Formula

Item	Formulation	Color	Appearance	Material Based
<b>NPK Compound Fertilizer &amp; NPK Bulk Blended Fertilizer</b>	NPK 8-8-8	White or OEM color	2-4mm granular	SOP or MOP
	NPK 10-20-10	White or OEM color	2-4mm granular	SOP or MOP
	NPK 12-12-17	White or OEM color	2-4mm granular	SOP or MOP
	NPK 15-5-20	White or OEM color	2-4mm granular	SOP or MOP
	NPK 14-14-14	White or OEM color	2-4mm granular	SOP or MOP
	NPK 15-15-15	White or OEM color	2-4mm granular	SOP or MOP
	NPK 16-16-16	White or OEM color	2-4mm granular	SOP or MOP
	NPK 17-17-17	White or OEM color	2-4mm granular	SOP or MOP
	NPK 19-19-19	White or OEM color	2-4mm granular	SOP or MOP
	NPK 12-24-12	White or OEM color	2-4mm granular	SOP or MOP
	NPK 20-10-10	White or OEM color	2-4mm granular	SOP or MOP
	NPK 20-20-0+8S	White or OEM color	2-4mm granular	SOP or MOP
<b>Remark</b>	We also can do special formula as your request.			



# 4. Water Soluble Fertilizer

## Product Introduction:

Water soluble npk fertilizer, also called " foliar fertilizer", is a kind of top dressing which contains N, P, K elements, but also various trace elements, such as Zn,Fe ,Cu,Mn,MgO. The quick acting fertilizer of solid dissolves in water, with water and fertilizer. The solubility of water soluble npk fertilizer is relatively high, most of which are 100% completely soluble.

Our company can offer most kinds of water soluble fertilizers ,such as NPK+TE ,MAP, MKP,SOP and so on. The fertilizer dissolved in water, with irrigation, border irrigation, drip irrigation ,Foliar Spraying ,Hydroponics and even, etc., a large number of nutrients rich in fertilizer will be rapidly absorbed by plants.

## Application:

- Solanaceous fruit: tomato, eggplant, pepper, cucumber, squash, watermelon, melon, sponge gourd, beans, etc
- Leaf vegetables, celery, spinach, Chinese cabbage, cabbage, broccoli, leeks, Onions, ling, garlic, etc
- Small fruit berries: strawberry, blackberry, waxberry, jujube, etc
- Fruit class: apples, pears, grapes, cherry, peach, orange, etc
- Other crops: creating, medicine village, flowers, grass, grass, cotton, tea, rapeseed, peanut, rice, corn, wheat, potato, etc.
- Note: Recommended dosage of mu 5-10 kg, and each interval 8 to 12 days, spraying on the leaf suggested that 1500-2000 times water soluble.According to different crops growing grew and fertilizer characteristics, as appropriate, increase or decrease

## Formula

<b>NPK Balance</b>	<b>High-Nitrogen Formulations</b>	<b>High-Phosphate Formulations</b>	<b>High-Potash Formulations</b>
NPK17-17-17+TE	NPK 30-10-10+TE	NPK12-32-16+TE	NPK 3-37-37+TE
NPK 19-19-19+TE	NPK 42-5-3+TE	NPK 10-52-10+TE	NPK 12-2-44 +TE
NPK20-20-20+TE	NPK 28-14-14+TE	NPK 15-30-15+TE	NPK 12-5-35+TE



# 5. Ammonium Sulphate

## Product Introduction:

**Ammonium sulphate Granular & Crystal** is a good nitrogen fertilizer which contains effective N 21% and S 24%, is readily soluble in water, fast fertilizer. It can be applied to general soil and crop, can make vigorous branches and leaves, improve fruit quality and yield, enhance crops on disaster resistance ability, as a basic fertilizer, additional fertilizer and seed manure.

## Application:

- It can be widely used in lawns, vegetables, fruits, herbs and crops such as wheat and corn.
- Used in textile, leather, medicine and so on.
- Mainly used as the raw material of BLENDING NPK.

## Specifications :

Parameter	Standard I	Standard II
Nitrogen	20.5% min	21% min
Sulfur	23.0% min	24% min
Moisture	1.5% max	0.5% max
Free acid	0.2% max	0.05% max
Size	2-5mm	---
Appearance	White Granular	White Crystal
Grade	Steel Grade	CPL Grade (Caprolactum)



## 6. Other Fertilizers :

<b>Item</b>	<b>Specification</b>	<b>Appearance</b>
<b>DAP 18-46-0</b>	N: 18%min, P <sub>2</sub> O <sub>5</sub> 46%min	2-4mm,granular
<b>Urea 46%</b>	N46% min	0.85-2.80mm Prilled
<b>SOP 0-0-50</b>	K <sub>2</sub> O 50%min	Powder /Granular
<b>KCL 0-0-60</b>	K <sub>2</sub> O 60%min	Powder /Granular
<b>MAP 12-61-0</b>	N : 12%min, P <sub>2</sub> O <sub>5</sub> :61%min	Powder
<b>MKP 0-52-34</b>	P <sub>2</sub> O <sub>5</sub> : 52%min, K <sub>2</sub> O: 34%min	Powder
<b>Nitrate of Potash</b>	N 13%min, K <sub>2</sub> O 46%min	Powder /Granular
<b>Calcium Ammonium Nitrate</b>	N 15% ,Ca 18%min , Cao 25%min	Powder /Granular