



As one of the largest holders of gas resources and mines in the world, Iran has the possibility of producing organic and mineral fertilizers at the lowest prices in the world.

Golestan Caspian Fertilizer Company is the biggest producer of bio organic fertilizers.

this company is the largest industrial producer of bio organic fertilizer in Middle East. This company is located in Gonbad Kavous Golestan Province.

This company has received all the necessary & legal permissions from related organizations. In addition to producing fertilizers with the highest standards of European Union, this company plays an important role in the agriculture industry of the country in terms of national production and the costs of production.

Increasing the use of organic fertilizer in plant nutrition is one of the major objectives of this company. This can help us to protect the ecosystem of the country.

Also, responding to the needs of domestic markets, attracting



Increase products
Fast plant growth
Durability of agricultural products
High quality fruits



foreign markets, & offering high-quality products in the markets are the other objective of this production complex.

The company's products are enriched in two categories of organic fertilizers humic acid and chicken manure, and are available forms : powder, pellet and Liquide in 25 and 1000 kg packages, as well as in bulk.

Now this company is one of the few companies in Iran that has the ability to trade with the whole world due to having all the fertilizer export licenses and having a comprehensive international sea transportation system.

Organic Fertilizers

Amount of usage(kg/ha)	Crop
600-900	Pistachio, almond, and walnut trees
600-800	Fruit, citrus, kiwifruit, and similar trees
600-1000	Vegetables and summer crops, tomato, cucumber, strawberry
600-700	Greenhouse crops
600-800	Grape
600-800	Potato and onion
1000-1700	Green space, lawn, and decorative trees
500-700	Flower and decorative plants

Economical for the farmer

The best alternative to chemical fertilizers
Has the national standard emblem of Iran
Free from weeds and pathogens



Bio Organic Poultry Manure

The importance & Features of Bio Organic

This fertilizer contains micro- & macro-nutrients which are needed for the growth of plants.

These nutrients include nitrogen, phosphate, potassium, iron, zinc, & chelated manganese.

The presence of siderophores increases the amount of absorption of low-consumed nutritive elements in the roots.

Because of its amino-acidic structure, siderophore simulates the plant to produce necessary glucoses, proteins, & growth hormones such as auxin & cytokinin.

The elements contained in it are gradually & effectively active & discharged as auxin & cytokinin.

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These elements are not washed by rain and irrigation. Since the amount of ammonium is very high, the danger of pollution, causes of diseases, larvae, insects, and weeds.

It is hygienic and without any smell.

It can be used easily for every crop in every season.



The Results of Using Bio Organic

- Increasing the growth of roots as well as increasing the speed & percentage of germination
- Soil darkening & the absorption of a higher amount of energy & the prevention of soil freezing
- Increasing the capacity of water storage & reducing the number of irrigations & also reducing the washing elements
- Increasing induced resistance & plant tolerance against pests & plant diseases as well as other tensions such as drought, coldness, & heat
- Increasing the quality of crop (taste, color, shape) as a result of the presence of needed elements & organic fertilizer
- Increasing the amount of organic materials & useful micro-organisms as a result of the presence of humic acid & folic acid compounds, which leads to the fertility of the soil
- Rapid growth of the plant & increasing the number of flowers at the beginning of new season, which leads to an increase in the fertility & productivity of the soil
- Increasing the movement of elements in the soil & a better absorption by the root & also the creation of balance in plant nutrition

In order to determine the amount of needed fertilizer, the results of soil testing & climatic conditions & also the optimum amount of needed nutrients must be taken into account. This fertilizer can be used at any time and in any season if the right type of plants is selected. However, for

pre-plantation uses, it should be combined with soil from the middle of autumn to the middle of winter.

Bio organic can be used for agricultural plants, summer crops, and vegetables in the form of combination with soil (before plantation) and also in the brooks and furrows (before and after plantation)

Method of use	Amount of use	Crop
Combined with soil	800-500 kg/ha	Maize
Combined with soil	800-1300 kg/ha	Rice
Combined with soil	800-1500 kg/ha	Beet
Combined with soil	800-1500 kg/ha	Legumes
Combined with soil	800-1200 kg/ha	Cucurbitaceae
Combined with soil	700-1100 kg/ha	Tomato
Combined with soil	1200-2000 kg/ha	Potato
Combined with soil	800-1200 kg/ha	Other grains
Combined with soil	1200-1800 kg/ha	Oily seeds
Combined with soil	500-2500 kg/ha	Vegetables
Combined with soil	1000-1500 kg/ha	Other summer crops
Hole - digging under the shadow of tree	2-4 kg per tree	Apple
Hole - digging under the shadow of shrub	2-5 kg per shrub	Grape
Hole - digging under the shadow of tree	2-3 kg per tree	Pistachio
Hole - digging under the shadow of tree	2-4 kg per tree	Citricus
Combined at the surface of soil or at the foot of shrub	800-1500 kg/ha	Decorative plants
Hole - digging under the shadow of tree	2-4 kg per tree	Seed bearing plants
Hole - digging under the shadow of tree	2-4 kg per tree	Other seed-bearing plants
Hole - digging under the shadow of tree	2-4 kg per tree	Olive
Combined at the surface of soil	1000-1800 kg/ha	Green space and lawn

In the case of trees, it can be used in the form of combination with soil (before the plantation of sapling) or hole-digging under the shadow of tree. In flooding irrigation or book & furrow, a certain amount of it can be put at the beginning of floods or books in order to be solved & to be carried to the plant. However, its even & uniform spread at the surface of soil or its combination with soil and hole-digging are more suitable methods. For greenhouse crops, hole-digging at the foot of shrub produces good results. At the place of planting shrubs & greenhouse platforms, the fertilizer should be combined with soil or it should be spread at the surface of soil.

Factory

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Fast Hum Powder 80, Fast Hum Powder 70 and Fast Hum Powder 60 are the best quality of Humic substance compound. Also Sabalan Humic Liq 12 & 10 are a Humic substance that made by the best quality of Leonardite. These products can be use in agricultural and horticultural crops such as fruit trees, ornamentals, nuts, greenhouse, wheat, rice and etc., by soil and foliar application. The powder products are completely water soluble and can be use in irrigation pressure systems.

These products are safe for soil and whole plants.

Liquid Specification

Composition	Sabalan Humic LIQ12	Sabalan Humic LIQ10
Humic Acid	12%	10%
Fulvic Acid	2%	2%
Potassium K20	3%	3%
Organic Matter	15%	10.5%
PH	9.5-10.5	9.5-10.5

Powder Specification

Composition	Fast Hum Powder 60	Fast Hum Powder 70	Fast Hum Powder 80
Humic Acid ISO 19822	60%	70%	80%
Fulvic Acid	2-3%	2-3%	2-3%
Potassium(K20)	8%	8%	8%
Moisture Max	14-15%	14-15%	14-15%
Solubility In The Water	100%	100%	100%
PH	9-10	9-10	9-10
Dry Matter Min	85%	85%	85%
Organic Matter	50%	60%	65%

Factory
8th Kilometer of Mall Bazar Rd,
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