

Humic acid

Humic acid of flonia granules Flonia granular humic acid prepared from the best sources of Leonardine is one of the best methods of supplying organic matter and soil modification of plant root growth environment, which in addition to helping to increase the activity of microorganisms, plays an important role in nutrient uptake by plant roots and improves quantity. And the quality of crops and horticulture. Also, this product has a high effect due to being activated by accompanying materials during the production process, and its granule granulation makes it easy to use this fertilizer.



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Ammonium sulfate

Ammonium sulfate Felonia (crystal) Ammonium sulfate due to the fact that nitrogen is in the form of ammonium; Its wastage in soil in the form of leaching and sublimation is minimal and has maximum efficiency. Also, this fertilizer has acidic properties and has sulfate in the form of sulfate, which in addition to its nutritional role, also plays an important role in the absorption of other nutrients. Nitrogen is recommended in Iranian soils due to its salinity and alkalinity

N P K S
21-0-0-24



Micro complete 7 sulfates

Micro complete 7 sulfates Alkaline soils are one of the problems of plant growth. In addition to supplying sulfur as the fourth nutrient, sulfate fertilizers are one of the main factors in providing micronutrients for plants. The use of sulfate fertilizers has a very important role in the production rate and quality of the crop.



analysis table				
N	K	SO4	Fe	Zn
6%	4%	36%	5%	2%
Mn	Mg	B	Mo	pH
1%	3%	0.5%	0.02%	5.5

**Sulfate
Fertilizers**



Iron chelate 6%

Iron chelate 6. Iron micro-granular fertilizer contains 6% of absorbable iron for plants, which is chelated with a chelating agent This compound is quite stable in the range and is absorbable for plants, which has a very effective effect with ortho-ortho isomer percentage of 8.4% in soils that are mainly alkaline pH. Iron deficiency manifests itself in the form of interstitial chlorosis in its young leaves. Iron is the most important micronutrient in plants, which has the highest dependence of uptake on soil pH, and in alkaline soils it is highly difficult to absorb. Becomes.

Fe6%
% Ortho - Ortho 4.8





Liquid potassium

Fluonia liquid potassium fertilizer Potassium is one of the most important elements in the growth and development of plants, which in the growth of the product and coloration and product quality, as well as plant resistance to various environmental stresses such as dehydration and salinity and facilitate the absorption of nutrients such as iron and manganese and plays a significant role. Due to the special structural form of fertilizer, Felonia liquid potassium fertilizer has rapid absorption with the highest efficiency and high concentration of potassium, which is used in increasing quantity when the plant needs the maximum amount of potassium (such as filling the kernel by filling the grain). And the quality of the product will have a huge impact.



Potassium phosphate

Potassium phosphate fertilizer is a product with multiple effects that contains phosphorus in the form of phosphate (PO), which in addition to the nutritional role and increase root growth and pigmentation and coarseness of the product increases plant resistance to various fungal diseases, verticillium wilt and Plant death and gumosis and other bacterial diseases. The presence of phosphorus in the form of phosphate in this product, in addition to high absorption rate and greater mobility in the plant than the form of phosphate and also the high concentration of this element in this fertilizer, the effectiveness of this product compared to other similar products is very different. It is grown on crops and gardens. The mode of action of this product increases plant resistance by activating resistance mechanisms in the plant, such as the production of phytoalexins and the induction of resistance proteins and strengthening the cell wall. Directions for use: at a dose of 1 to 2 liters per 1000 liters of water as a foliar spray or 5 to 10 liters per hectare with irrigation water.

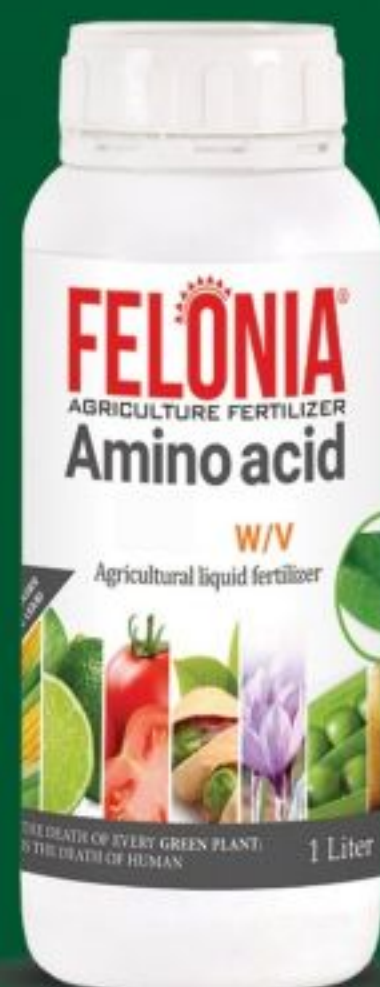
Potassium Phosphate





Amino acid

Amino acids, having an essential role in the structure of proteins, in addition to improving plant greenness, increase plant resistance to environmental and biological stresses. Also, amino acids, due to their chelating properties, increase the absorption of other nutrients. This product contains a variety of essential amino acids required by the plant, including glycine, lysine, aspartic acid and proline, which in times of stress the plant has difficulty producing amino acids. It can play an important role in coping with stress and increasing the quantity and quality of crops and gardens. Consumption rate (as a foliar spray) Agriculture: 1 to 2 liters per hectare during the growing season and at the time of seed filling one to three times of gardens: with a dose of 2 per thousand at the time of bud swelling and at the time of fruit growth 2 to 4 times of summer with a dose of 1.5 Up to 2 per thousand during the growing and fruiting season 2 to 4 times of guaranteed decomposition (depending on weight percentage)



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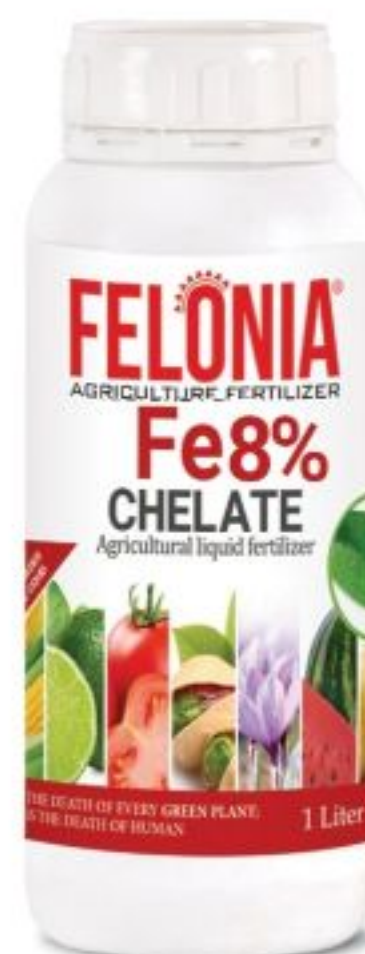
Fruit set

Fruit set One of the most important problems for gardeners and farmers is the lack of flowering or falling flowers and fruits, which reduces the yield and sometimes the lack of yield. Fluonia Fertilizer Set, which is actually a combination of high concentrations of zinc-nitrogen nutrients in chelated form with high absorption and yield, which has a great effect on flower and fruit formation. Consumption of this product in orchards is as a foliar spray at the time after harvest in late summer or early autumn or at the time of bud swelling before flowering. It can be used in summer crops, weeds, etc. in the time before flowering in order to increase the closing of fruits and seeds.



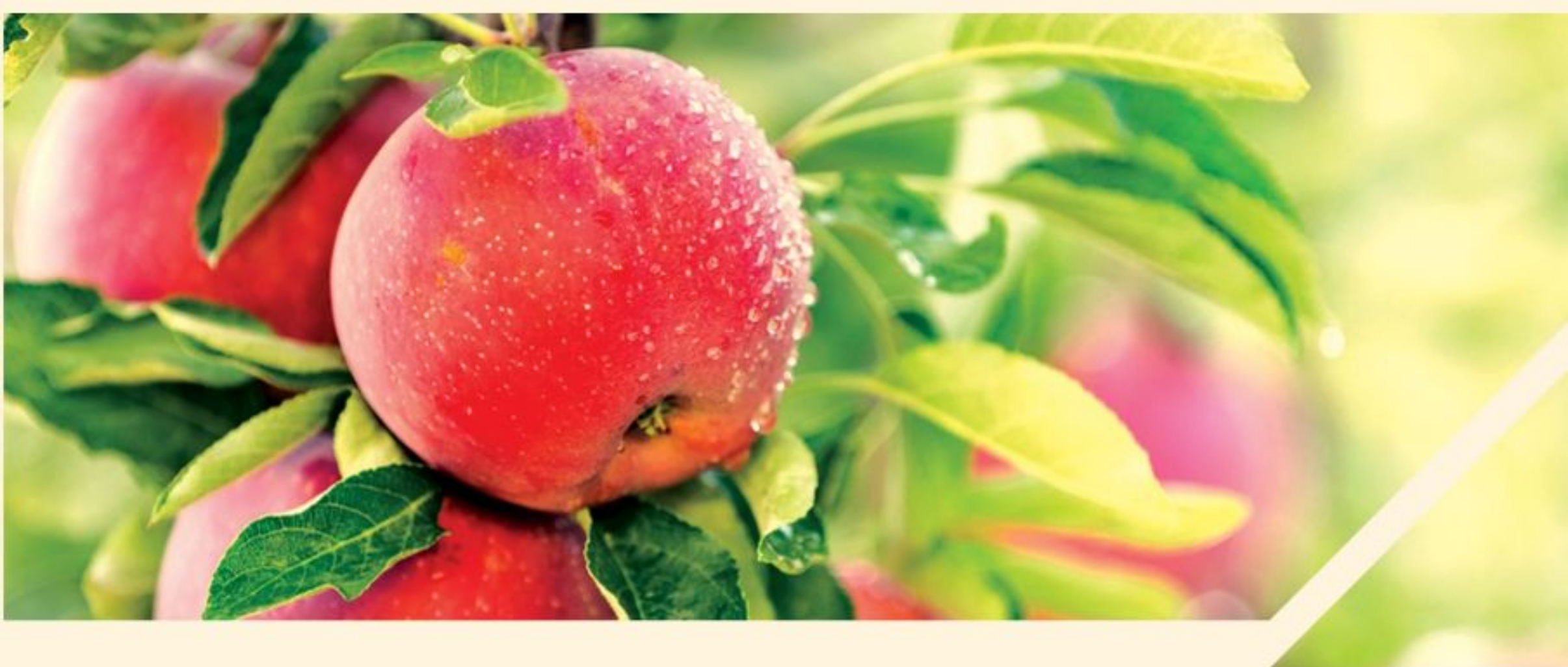
Iron chelate

Felonia iron chelate Iron is a major component of various enzymes and some pigments and plays a key role in plant biochemical processes such as photosynthesis, cellular respiration, carbohydrate metabolism, and the formation of essential enzymes. Although iron is not used in the composition of chlorophyll (a green pigment in leaves), it is essential for its formation. That's why plants are iron deficient. Show chlorosis in new leaves. Iron is the most widely used microelement required by the plant, the absorption of which is highly sensitive to the alkalinity of the soil. Hence, the plant needs are met by chelates with high adsorption efficiency and resistant to pH. Different alkalis are the best way to supply plant deficiency of this element in alkaline soils of Iran. Therefore, Felonia liquid iron fertilizer with lignin sulfonate chelating agent is one of the best and most effective ways to eliminate the deficiency of this essential element for plants.



Zinc chelate

Zinc chelate satisfies the plant's need for zinc and plays an important role in many plant biochemical activities by being present in the structure of enzymes. Zinc chelate fertilizer is effective in increasing flowering, fruit formation and also increasing plant greenness. | The use of lignin sulfonate chelating agent in this fertilizer provides the maximum absorption efficiency of this element for the plant. This product with its special formula can be sprayed and used in the irrigation system. Zinc deficiency manifests itself in the form of rosettes and yellowing or shrinkage of young leaves. Due to the chelate form in this fertilizer, zinc element has the ability to be absorbed quickly and as a result, causes a quantitative and qualitative increase in agricultural and horticultural products.





product type	Consumption	Consumption time
Crops	to 2 liters per thousand 1 liters of water as a foliar spray Or 4 to 6 liters with irrigation water	Simultaneously with tillering to 2 times 1 weeks apart 3
Garden plants	to 3 liters per thousand liters 2 of water as a foliar spray Or 8 to 10 liters with irrigation water	After fruit formation and in Growth season 1 to 2 times
Greenhouse	to 1.5 liters per thousand 1 as a foliar spray Or 10 to 15 liters with irrigation water	During the growing season fruiting 2 to 3 times with an interval of 2 weeks

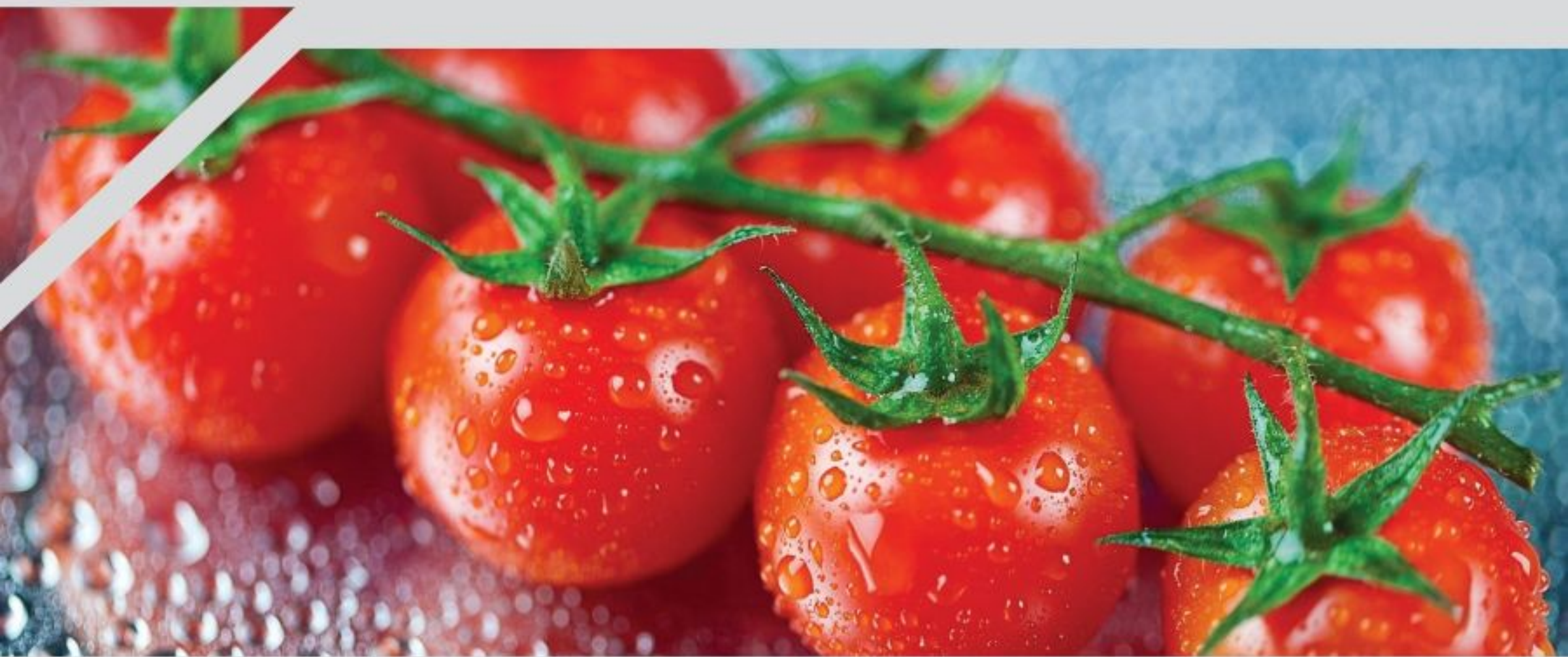
FMZ chelate

FMZ chelate contains completely soluble elements in water and chelated iron, zinc, manganese, nitrogen, potassium and sulfur, which can be used as a specialized micronutrient fertilizer to eliminate the deficiency of triple micronutrients in all plants. Iron is important in photosynthetic processes, the production of sugars and plant energy, and in the production of many enzymes and the production of growth hormones such as auxin. Manganese also plays a complementary role in photosynthesis, the mechanisms of enzymatic production. Nitrogen and sulfur in FMZ cause faster and better absorption of micronutrients and in addition play a very important role in reducing the effects of environmental stress on the plant and increase root growth, flowering, fruit formation, ripening and taste. The form of lignin sulfonate chelate in this fertilizer, in addition to providing fast absorption of nutrients with the highest efficiency with the property of dispersion and wetting, will play a useful role in preventing sunburn caused by foliar application



Calcium B chelate

Calcium B chelate fertilizer on felonia This product is a suitable solution to eliminate the deficiency of these elements in plants due to its high concentration of calcium and bar and the synergistic relationship between these two elements and its high absorption capacity. Calcium and barium play an important role in cell division, cell wall strength, pollination and fruit formation. The use of this fertilizer increases the quantity and quality and improves the market conditions of the product. This product should be consumed separately and should not be mixed with any fertilizer or poison. The use of lignin sulfate chelator in this fertilizer, in addition to better distribution on the plant, increases the adsorption efficiency up to 95.



FELONIA potassium silicate

Potassium silicate Potassium silicate fertilizer due to its potassium element increases the concentration of plant sap and thus increases the plant's resistance to various environmental stresses. In addition, this element plays a role in increasing the transfer of photosynthetic materials. The silicon element in this fertilizer with its high absorption capacity and being located in the plant cell structure has caused the strength of the stem and leaves, which ultimately leads to an increase in the plant's resistance to weeds. It should be noted that in addition to the above, this fertilizer also has a significant effect on plant resistance to various pests.



Crop types	Application rates	Application time
Rice	2 L/1000 L water as a spray, or 3-4 L in irrigation water	1-2 times at 2-week intervals from tillering to panicle emergence
Crop plants	1-2 L/1000 L water as a spray, or 4-5 l in irrigation water	1-2 times at 2-week intervals from tillering to panicle emergence
Orchard crops	2-3 L/1000 L water as a spray, or 8-10 L in irrigation water	1-2 times at 3-week intervals after fruit set and during fruit development
Greenhouse crops	1-1.5 L/1000 L water as a spray, or 6-8 L in irrigation water	1-2 times at 3-week intervals after transplanting and during the growing season

FELONIA **humic acid** (powder and liquid)

Liquid and powdered humic acid One of the most important and fundamental problems of soils is the lack of soil organic matter, the secondary effects of which can lead to soil stiffness and reduced water holding capacity in the soil. The use of fertilizers containing humic acid extracted from leonardite is a very suitable solution with high economic efficiency and ease of use, which leads to increased soil fertility and retention of nutrients in absorbable form, which is produced in both powder and liquid forms. To be.

Guaranteed analysis of humic acid powder and humic acid liquid, respectively:

Humic acid: 60%, 12%

Fulvic acid: 3%, 2%

Soluble potassium: 10%, 3%

Application rates of humic acid powder and humic acid liquid, respectively:

Crop plants: 1-2 kg/ha, 5-10 L/ha

Orchards: 2-5 kg/ha, 10-20L/ha

Summer crops: 2-3 kg/ha, 10-15 L/h





Humic acid Fertilizer

Liquid chicken

Fluonia liquid chicken Due to the extraction of the best types of chicken manure, this fertilizer has a variety of beneficial microorganisms and high organic matter, which is enriched by macro and micro nutrients, amino acids and humic acid, which, if used during vegetative growth, has a significant effect on branch growth. And will have leaves and shrubs. With this fertilizer, you can benefit from the benefits of chicken manure during growth as a ready food for the plant, which is recommended for use with irrigation water. Consumption rate: Agriculture: 15 to 20 liters per hectare in the growing season of summer crops and weeds: 20 to 25 liters per hectare in the growing season of orchards: 20 to 40 liters per hectare during the fruit growing season once or twice





Dough Urea Phosphate

Flonia Urea Phosphate Fertilizer is a completely acidic fertilizer with high purity of phosphorus and nitrogen, the acidic properties of this fertilizer increase solubility and absorption of nitrogen, phosphorus and other soil nutrients. Phosphorus in this fertilizer is a unique starter to increase root growth and accelerate the initial growth of plants. Due to the acidic nature of this fertilizer, it is suitable for use in calcareous and alkaline soils and prevents the formation of sediment in irrigation systems. Since this product is produced as a supersaturated liquid, in order to increase its efficiency and complete solubility, it is better to first dissolve it in a separate container and then use it in irrigation systems.





B Ethanol Amine

On the ethanol amine of flonia It is very effective in increasing the time and quality of pollination and fertilization and increases the rate of flower to fruit formation. It also plays an important role in the metabolism and transport of sugars and hydrocarbons and the transfer of calcium in the plant. The use of this product is very effective and cost-effective compared to other methods due to its high solubility and absorption percentage, which increases the quantity and quality of agricultural and horticultural products.



Potassium organic soap

Flonia potassium organic soap One of the best methods of mechanical pest control is the use of foliar soaps, which in addition to reducing the surface tension of water and preventing dripping, increases the distribution of the solution per unit area. 25% of potassium with high absorption efficiency in this solution has caused in addition to the nutritional role of potassium in the plant to increase the plant's resistance to various environmental stresses and has turned this product as a product with multiple properties. Note: This product is based on organic materials and contains 25% of organic matter and does not contain sodium. Dosage: Sprayed with a dose of 1.5 to 2 liters for all plant species or can be used with other fertilizers and pesticides after the initial test.



FELONIA liquid sulfur

Liquid sulfur fertilizer Sulfur is one of the four most consumed elements of the plant, which plays an essential role in making enzymes, proteins and fats and is one of the most important plant nutrients. In this product, the element of sulfur with high absorption capacity is formulated and is one of the fastest and most effective methods to meet the needs of the plant. Sulfur has a great effect on reducing salinity and soil pH and increasing the absorption of other nutrients, especially micronutrients, and in oilseeds and plants with spicy and aromatic compounds is a key element to increase the quality and quantity of the product. Consumption of these fertilizers is to provide the elements needed by the plant and the effect of this product on pests and fungi should be done under the supervision of the relevant expert. Spraying should be done at a temperature between 18 and 30 degrees so as not to burn the leaves.



Felonia Liquid Sulfur Fertilizer

Liquid sulfur suspension:

Elemental sulfur 13%, liquid sulfur 50%

Potassium-based liquid sulfur:

Liquid potassium 20%, liquid sulfur 20%

Calcium-based liquid sulfur:

Liquid calcium 20%, liquid sulfur 10%

