



**FIDAR TEJARAT SABIN**

### The importance of greenhouse cultivation

- Appropriate solutions for specific climatic conditions & limited water resources in Iran
- Water –saving irrigation techniques
- Use of non– cultivated land with hydroponics system
- Lower surface occupied in accordance to open land and higher annual performance ratio
- Higher harvest yield compared to open land
- Production is independent of environmental conditions, possibility of marketing and cultivation programs according to market needs
- Continuity & productivity during all seasons of the year in accordance to environmental factors and setting conditions for plant growth
- Creating job opportunities for the young & graduates in agriculture, utilizing free time of the farmers in autumn & winter time



### Business Goals of Fidar Tejarat Sabin

- Development of modern greenhouses in the country
- Manufacture and supply of high quality seeds with high efficiency
- Development of export markets for greenhouse produce
- Transfer of technology required for production of seeds with technical knowledge obtained from reputable foreign companies
- Improving the quality of products used in the production of seedlings at Semnan, Tehran, Alborz and other provinces



### Actions Taken

- Construction of a 26-hectares greenhouse town at “Semnan” province
- The implementation of greenhouse settlements in other provinces
- Marketing to export greenhouse products to the other countries





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## Agriculture in IRAN

IRAN has different and four season climates all around the country from the north to south. So it made our farmers to produce wide range of agricultural products such as fruits and vegetables in different seasons. Continuous production of products throughout all season of the year that is most important factor for the market, is one of main characters of Agriculture in Iran. So we could be present in the market all the time.



## Export Department in Sabin

Our ability and experiences in producing and supplying high quality products, shipping and transportation, banking and financing, offering technical services to farmers and benefiting experienced staffs, are made us to be active on producing and exporting different type of commodities in agriculture and food industries.

Also, our company has started its international marketing to enter to the markets in neighbor countries and has its offices in the Moscow and Muscat. Planning for nice and long term relationship not only based on business is our main strategy.



## Products

- 1-Confectionery: Candy, Chocolate, Cookie, Biscuit and ...
- 2-Edible vegetables: Lettuce, Cauliflower, Cabbage, Pepper, Potato, Onion, Eggplant, Tomato, Cucumber, Carrot, Zucchini, Pumpkin and ... (fresh or dried)
- 3-Fruits: Apple, Kiwi, Pear, Peach, Nectarine, Orange, Grape, Pomegranate, Watermelon, Melon and ... (fresh, dried or juice)
- 4-Nuts and Dried fruits: Pistachio, Walnut, Raisin (all type)
- 5- Date: Piarom, Zahedi, Mazafati and ... , Dates Syrup, Dates Vinegar Balsamic, Date Paste
- 6-Fruit compote: Apple, Pear, Peach, Cherry, Sour Cherry and ...
- 7-Canned products: Sweet corn, Green peas, Chick peas, Pinto beans, Lentils, Mixed (Corn, Green Pea and Carrot) and ...
- 8-Olive: Marinated and processed Olive (core/seedless), Olive Oil (Natural and Refined)
- 9-Paste, Puree and Concentrate: Tomato, Apricot, Peach, Apple, Pomegranate, Dates and ...
- 10- Beans and Cereals





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## Organic Fertilizer 4-3-3

Organic fertilizer 4-3-3 is a well-known 100% organic fertilizer pellet, ecologic and hygienic. It can be packed under different brand names. The organic material in this excellent, natural plant fertilizer contains mostly humic acid structures, humic acids benefit soils in facilitating its nutrient availability, they release gradually the minerals present in the ground and therefore, minerals become more available for absorption by the roots of plants.

Organic fertilizer correct application prevents symptoms of deficiency in the crops during the growing season. This positive effect of organic fertilizer means a considerable saving in mineral fertilizers, and a reduction of mineral fertilizers application in the soil, is good for the environment and helps preventing soil alkalization.

Furthermore, using an Organic fertilizer leads to an increase in the microbiological activity in the soil. Organic substances are broken down by the soil life into humic acids and amino acids, during this process, oxygen is required and attracting air, so that the agricultural ground becomes airier. Air, water and elements are equal in importance for any plant to grow. Besides, suffocation of the roots is a problem easily prevented by maintaining a spongy soil.



## Areas of application

### Vegetable cultivation

### Fruit cultivation

### Tree cultivation

Average Composition	
Dry Matter	88% min
Organic matter	65%
Nitrogen(total)	4.2%
Phosphate	3.0%
Potassium	2.8%
Calcium	9.0%
Magnesium	1.0%
Iron	1000 mg/kg
EC (1 gr/l)	0.005 mS/cm
C/N	9
pH	6.4

Recommended Amount per Hectare (Kg)	
Tomato	1000- 1500
Cucumber	1000- 1500
Sweet pepper	1000- 1500
Eggplant	1000- 1500
Cabbage	1250- 1750
Potato	750- 1250
Watermelon	1250 - 1750
Olive / Fruit trees	2 - 5 Kg/tree
Pistachios	1200 - 1600
Strawberry	2000 - 3000
In the greenhouse use the double	



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## Diammonium Phosphate (DAP)

### Fertilizer Specifications:

Phosphorus has an important role in plant metabolism & is one of the main nutrients for its growth & development. Sufficient amount of phosphorus increases growth, improves root growth & helps in prematurity of the crop. Apart from having high supplement value (46% phosphorus pentoxide & 18% nitrogen) DAP also has low tendency of humidity absorption & clogging which makes it a desirable fertilizer.

### Procedure and amount of usage:

In accordance with stabilization of phosphorus in soil & its mobility, this fertilizer should be used 2.5 – 5cms under the seed within the soil. This procedure apart from increasing operating period also reduces the usage of fertilizer. With reference to soil & water conditions of the farm the amount of fertilizer for the same can be determined.

### Chemical Composition of Diammonium Phosphate

Diammonium Phosphate	Specification/Limit	Distribution
Total Weight Percentage of Nitrogen	Minimum 18	Minimum 18
Weight Percentage of Ammonia	Minimum 15.5	Minimum 15.5
Weight Percentage of Urea	Maximum 2/5	Maximum 2/5
Weight Percentage of Phosphorus (P2O5)	Minimum 46	Minimum 46
Weight Percentage of Soluble Phosphorus (P2O5)	Minimum 41	Minimum 41
Weight Percentage of Humidity	Maximum 1/5	Maximum 1/5
Pb Size	Maximum 50ppm	Maximum 50ppm
Cd Size	Maximum 25ppm	Maximum 25ppm
Packing Percentage (1-4) Millimeter	Minimum 95	Minimum 90

## Potassium Sulphate (SOP)

### Fertilizer Specifications:

Potassium Sulphate Fertilizer & Sulphur are completely soluble in water which are in the form soft powder that quickly dissolve in water. This fertilizer having low percentage of chlorine dissolves in water that makes sulphur available for the crops which is of very high importance.

Potassium sulphate apart from other main nutrients adopts the usage of potassium needed at every stage for the growth of crop and fulfils the crops potassium requirements.

### Procedure and amount of usage:

This Fertilizer can be used in farms in the form of exuberance (along with irrigation water). This Fertilizer can be used in farms before planting and fruit trees (Manure Pits).

### Chemical Composition of Potassium Sulphate:

Potassium Sulphate	Specification/Limit	Distribution
Total Weight Percentage of K <sub>2</sub> O	Minimum 50	Minimum 50
Weight Percentage of Humidity	Maximum 1/5	Maximum 1/5
Weight Percentage of Sodium (NaCl)	Maximum 2	Maximum 2/2
Weight Percentage of Chlorine (Cl)	Maximum 2/5	Maximum 2/5
Packing Percentage (1-5) Millimeter	Minimum 90	Minimum 75 Min
Weight Percentage of Sulphur	Minimum 17/5	Minimum 17/5
Pb Size	Maximum 50ppm	Maximum 50ppm
Cd Size	Maximum 25ppm	Maximum 25ppm

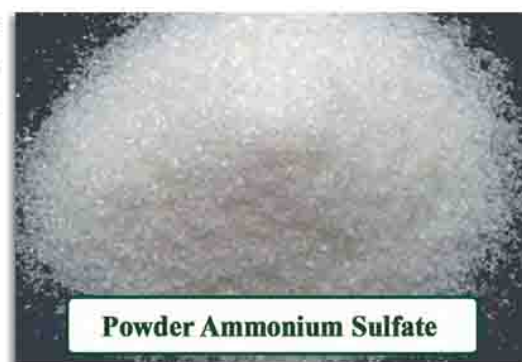


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## Ammonium sulfate

Ammonium sulfate is an acidic and dual-purpose fertilizer that is used to provide the nitrogen and sulfur. The best fertilizer was introduced for rice paddies is ammonium sulfate. Also it is appropriate for fruit trees specifically grapes and citrus, those crops that need a lot of sulfur including oil seeds.

- Quickly absorbing of nitrogen by the plant due to the presence of ammonium
- Improving soil and reducing pH of the alkaline and calcareous soils
- Less losses and leaching of nitrogen compared with urea
- Increasing the effect of phosphate and nitrogen in case of using simultaneously
- Increase the resistance of plants to drought
- Rejuvenation and removing the yellowing of leaves



**Powder Ammonium Sulfate**



**Granular Ammonium Sulfate**

## Consumption Instruction

Chemical and physical properties	
Appearance	Solid, white and odorless
pH	5 to 6
Sulfur	24%
Nitrogen	21%
Amount of Pb	max 50 ppm
Amount of Cd	max 25 ppm
% Humidity weight	max 1

Above mentioned information may vary based on different supplying sources

Consumption instruction		
Dosage	product	Irrigation
One kilogram per tree in early spring	Gardens	
300 to 400 kg per hectare (in 2 to 3 parts at the time of growth)	Agricultural	
200 to 300 kg per hectare	Vegetable	
25 grams per square meter	Greenhouse	

To determine the exact amount of fertilizer, referring to analyzes of farms soil and water is essential.

In case of using granular ammonium sulfate, using as dissolved in water, spraying on the soil (mechanized or manual) and fertilizer placement is possible.



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### Ingredient

Organic Substance	20%
Total Nitrogen	6%
Organic Nitrogen	0.3%
Ammonium	1.7%
Nitrate	4%
Potassium	18%
Calcium	2.5%
Sulphur	5%
Humic Fulvic Acid	3%
pH	5-7

### Properties:

- Special product to enlarge the fruits
- Organic nitrogen, calcium and potassium combination
- Increase yield and encourage vegetative growth
- Encourage the soil flora
- Provide high quality on plant and fruit
- Present Long shelf life

### Ingredient

Organic substance	30%
Organic Nitrogen	6%
Phosphorus	20%
Potassium	4%
Loose amino acids	4%
Boron	1,5%
Molybdenum	1%
Phytase enzyme	0,05%
pH	3-5

### Properties:

- Encourage the plant resistance, includes amino acid
- Increase yield and encourage vegetative growth
- Accelerate Pollination, increase ratio of flower
- Provide high quality on plant and fruit
- Accelerate photosynthesis
- Warm plant in cold weathers
- Increase the sugar ratio of fruit
- Kind of bio stimulant

### Ingredient

Organic Substance	45%
Humic + Fulvic Acid	28%
Total Nitrogen	5%
Organic Nitrogen	3%
Potassium K <sub>2</sub> O	3%
pH	3-5

### Properties:

- Chelate macro and micro nutrients by humic acid
- Accelerate reaction of enzyme
- Sourced from plant
- Adjust pH of soil
- Amendment the soil
- Increase the yield

### Ingredient

Humic Fulvic Acid	48%
Organic Substance	40%
pH	4-6

### Properties:

- Increase yield and encourage vegetative growth
- Includes Humic acid, Fulvic acid and enzymes
- Kind of bio stimulant accelerate pollination
- 100% organic sourced anti stress product
- Accelerate photosynthesis speed
- Encourage the plant resistance
- Warm plant in cold weathers
- Encourage the soil flora
- Increase the sugar ration of fruit
- Provide high quality on plant and fruit
- Expend Minimum energy while absorbing

### Ingredient

Calcium	14%
Amino Nitrogen	9%
Boron	0.2%

### Properties:

- Provide strong and hard leaf, fruit and plant
- Increase resistance of plant against frost
- Includes Boron with Calcium
- Redound absorption of Ca ratio
- Includes amino nitrogen
- Reduce cleavage of fruit
- Increase resistance of plant against frost
- Reduce cleavage of fruit

- Gel
- Liquid
- Powder
- Drip irrigation
- Foliar

### Cinepot



### Flower Bomb



### Humicplus



### Fulvalid



### Calsimol plus



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FIDAR TEJARAT SABIN

**lidergübre®**  
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Ingredient	
Nitrogen	3%
Phosphorus	6%
Potassium	11%
Calcium	14%
Boron	0,5%

- Properties:**
- "SPECIAL CONTENT" includes Phosphorus calcium and potassium altogether
  - Accelerate the pollination and support to enlarge fruits
  - Gel formulation and 100% soluble in water
  - Provide strong and hard leaf, fruit and plant
  - With the resource of plant tissue



Ingredient	
Organic Substance	30%
Total Nitrogen	% 5,5
Organic Nitrogen	% 0,3
Nitrate Nitrogen	% 5,2
Potassium	20%
Manganese	% 0,05
Boron	% 0,05
Copper	% 0,03
Iron	% 0,1
Zinc	% 0,1
Sulphur	% 0,5
Fulvic acid	3%
Amino acid	% 0,4
Protease enzyme	% 0,05
pH	4-6

- Properties:**
- Provide high quality on plant and soil
  - Special product to enlarge the fruits
  - Organic nitrogen, calcium and potassium combination
  - Increase yield and encourage vegetative growth
  - Encourage the soil flora
  - Present Long shelf life



Ingredient	
Organic substance	32%
Organic carbon	12%
Organic azote	2.50%
Free amino acid	3%
Potassium	6%
pH	5.5-7.5

- Properties:**
- Increase yield and encourage vegetative growth
  - Encourage the soil flora
  - Provide high quality on produced yields
  - Present Long shelf life
  - Increase resistance of plant against external factors



Ingredient	
Total Nitrogen	6%
Phosphorus	30%
Boron	% 0,5
Iron	% 2,5
Zinc	% 4,5
Manganese	1%
Sulphur	10%

- Accelerate Pollination
- Provide high quality flower

- Properties:**
- Includes balanced and essential plant nutrients for roots
  - Increase yield and encourage vegetative growth
  - Accelerate creation of capillary plant root
  - Increase the sugar ration of fruit
  - Encourage the plant resistance
  - Accelerate photosynthesis



Ingredient	
Potassium	37%
Organic Potassium Salt	

- Properties:**
- Organic potassium salt, it can dissolve in water 100% itself
  - Capacity of solubility is sextuple according to chemical
  - Fill in the fruits and plant steam by potassium
  - Accelerate activates of enzyme in plant
  - Provide high quality fruit and plant
  - Reduce green shoulder at Tomato



- Gel
- Liquid
- Powder
- Drip irrigation
- Foliar

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FIDAR TEJARAT SABIN



**lider gübre®**

üretim ve pazarlama ltd.şti.

Ingredient	
Water Soluble Iron	1%
Water Soluble Manganese	1%

Ingredient	
Total Organic Substance	40%
Organic Carbon	15%
Organic Nitrogen	3%
Water Soluble Potassium oxide	3%
Free Amino acid	30%
Maximum Moisture	20%
pH	2.5 – 4.5

Ingredient	
Water Soluble Boron	0.2%
Water Soluble Copper	0.5%
Water Soluble Iron	6%
Water Soluble Manganese	4%
Water Soluble Zinc	5%

Ingredient	
Water Soluble Boron	9%
Water Soluble Zinc	14%
Sulphur	17%

Ingredient	
Total Nitrogen	5%
Nitrate Nitrogen	5%
Water Soluble Phosphorus Pentoxide	25%
Water Soluble Magnesium Oxide	2%
Water Soluble Zinc	5%

Ingredient	
Water Soluble Manganese	6%

Ingredient	
Water Soluble Copper	6%

**Properties:**

- Increasing flower buds
- Preventing undesirable longitudinal growth of plants

**Properties:**

- Amino acids from plant sources
- Reducing the stress on the plant
- Suitable to combine with the majority of fertilizers and pesticides and increase their impact
- Suitable for stimulating all metabolic activities of plant

**Properties:**

- Perfect combination of micronutrients needed by plants in the unique form of chelate
- Usable in both forms of fertigation and foliar

**Properties:**

- Effective in enzyme activities of plant, especially during flowering phases
- Increasing the fertilization and growth of flower buds

**Properties:**

- Balanced ratio of phosphorus and zinc
- Increasing the fertilization of flowers, fruit growth and strength of flowers

**Properties:**

- Accelerating the construction and development of chloroplasts
- Preventing the chlorosis of leaves and helping the photosynthesis

**Properties:**

- New generation of nanotechnology
  - Containing copper to meet the requirements of plant
  - Very low acidity and side effects of fungicidal
- Gel   
 Liquid   
 Powder   
 Drip irrigation   
 Foliar



**Tortil**



**Amino Bomb**



**Herta Combi**



**Zinbor**



**Phozin**



**Mangrow**



**Cuprolid**