



Bazargan Kala

# Nutritech Catalogue



**NUTRITECH<sup>®</sup> 2024**

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**[WWW.BAZARGANKALA.COM](http://WWW.BAZARGANKALA.COM)**

## ABOUT US

“Bazargankala Co.” was established almost 30 years ago with the vision of becoming world-class distributor and promoter of highly advanced agricultural inputs. Ever since, it has served as distributor of choice for many well-known global brands in agri sector, offering specialty products and consulting services to farmers.

In 2018, we entered into a new era by establishing a state-of-the-art factory and after 4 years we are producing almost 30 different fertilizers and pesticides under “Nutritech” brand utilizing most sophisticated quality procedures and standards and developing cutting-edge products in crop nutrition sector by support of our innovative and experienced R&D team. Our portfolio of products are immaculately designed and meticulously tested and we can comfortably claim that our products are competitively going neck to neck with finest products in the world.

Our maxim is to attain a leadership position in the agriculture market by innovative and ethical approach and we do trust that we can achieve it by providing comprehensive solutions to the agricultural industry.



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## Balance 20-20-20+TE

Guaranteed Content (w/v):

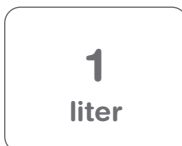
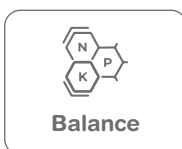
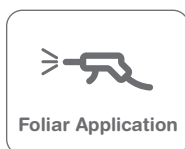
Total Nitrogen:	20%
Phosphorus:	20%
Potassium:	20%
Free Amino Acid:	1.52%
Organic Matter:	15.2%
Seaweed:	6.08%
Chelated Fe:	1520 ppm
Chelated Mn:	760 ppm
Chelated Zn:	760 ppm
Chelated Cu:	760 ppm
Boron:	300 ppm
Molybdenum:	150 ppm

**Physical Appearance:**  
Suspension/ SC

Special Weight (18-20 C°):  
1.52 ± 0.05 Kg/L

**Suitable for:**

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **86820**

Producer: Bazargankala Co.

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## Balanced Ratio of Macro Elements | Containing the Amino Acids, Seaweed, Organic Matter and All Micro Nutrients Chelated with Glycine

### Introduction:

“Nutritech 20-20-20” is a complete suspension. It contains a balanced ratio of macro elements including nitrogen, phosphorus, potassium, and also amino acids, seaweed, organic matter and chelated micro nutrients.

### Technical Information:

Content						
	Total Nitrogen	Phosphorus	Potassium	Free amino acid	Organic matter	Seaweed
Nutritech 20-20-20	20 %	20 %	20 %	1.52 %	15.2 %	6.08 %
	Chelated Fe	Chelated Mn	Chelated Zn	Chelated Cu	Boron	Molybdenum
	1520 pmm	760 pmm	760 pmm	760 pmm	300 pmm	150 pmm

“Nutritech 20-20-20” leads to faster growth, greenness, more photosynthesis and better flowering. The presence of seaweed and amino acids increases the absorption of elements and improves plant metabolic activity in order to achieve higher yield and quality and also protects plants from environmental stresses.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruit Trees	Early growth stage	2-3 liters/1000 L of water
Field Crops		2-3 liters/1000 L of water
Vegetables		2-3 liters/1000 L of water
Greenhouses		1-3 liters/1000 L of water

\*repeat as needed



## Balance 20-20-20+TE

### Features & Advantages:

- Balanced supply of macro and micro elements
- Containing chelated micro elements
- Reducing the effects of environmental stresses
- Root development, increased nutrient uptake, and better growth of aerial organs
- Applicable for all stages of growth

### Cautions & Disclaimers:

- Do not mix with alkaline calcium compounds, sulfur derivatives and pesticides.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.
- Shake well before application.



## High P 10-40-10+TE

Guaranteed Content (w/v):

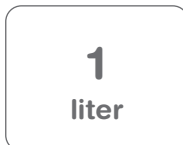
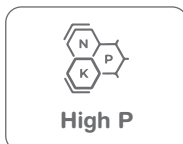
Total Nitrogen:	10.64%
Phosphorus:	40%
Potassium:	10%
Free Amino Acid:	1.52%
Organic Matter:	15.2%
Chelated Fe:	1500 ppm
Chelated Mn:	1100 ppm
Chelated Zn:	1100 ppm
Chelated Cu:	760 ppm
Boron:	300 ppm
Molybdenum:	150 ppm

**Physical Appearance:**  
Suspension/ SC

Special Weight (18-20 °C):  
1.52 ± 0.05 Kg/L

**Suitable for:**

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Registration No: **32885**

Producer: **Bazargankala Co.**

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## Containing Elements of Nitrogen, Potassium and High Percentage of Phosphorus | Containing Amino Acids, Organic Matter and Micro Nutrients Chelated with Glycine Amino Acid

### Introduction:

“Nutritech 10-40-10” fertilizer contains nitrogen, potassium and high percentage of phosphorus, which provides the required elements of the plant in the form of foliar application at the beginning of vegetative and reproductive stages, to increase rooting and flowering for all crops.

### Technical Information:

Content						
Nutritech 10-40-10	Total Nitrogen	Phosphorus	Potassium	Free amino acid	Organic matter	
	10.64 %	40 %	10 %	1.52 %	15.2 %	
	Chelated Fe	Chelated Mn	Chelated Zn	Chelated Cu	Boron	Molybdenum
	1500 pmm	1100 pmm	1100 pmm	760 pmm	300 pmm	150 pmm

“Nutritech 10-40-10” is a fertilizer rich in phosphorus and contains nitrogen, potassium, amino acids, organic matter and micro elements chelated with glycine amino acid. This fertilizer is recommended for all crops at the beginning of planting and flowering to increase rooting and flowering as foliar application. The formulation of this fertilizer is in a such a way that plants are able to efficiently uptake the maximum amount of nutrients.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruit Trees	Early growth stage	2-3 liters/1000 L of water
Field Crops		2-3 liters/1000 L of water
Vegetables		2-3 liters/1000 L of water
Greenhouses		1-2 liters/1000 L of water

\*repeat as needed



## High P 10-40-10+TE

### Features & Advantages:

- Providing high amounts of usable phosphorus for plants
- Containing micro elements in chelated form and available to the plant
- Stimulation of rooting and plant root development
- Increasing flowering, fruit formation and reduce flower fall
- Containing organic matter and free amino acids to help better absorption and improve plant

#### Physiological processes

- Increasing crop resistance to stress

### Cautions & Disclaimers:

- Do not mix with alkaline calcium compounds, sulfur derivatives and pesticides
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.
- Shake well before application.



## High K 5-10-40+TE

Guaranteed Content (w/v):

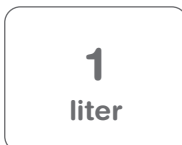
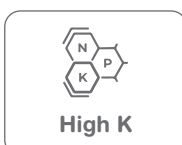
Total Nitrogen:	5.28%
Phosphorus:	10.06%
Potassium:	40.43%
Magnesium:	0.82%
Free Amino Acid:	1.65%
Organic Matter:	16.5%
Chelated Fe:	1600 ppm
Chelated Mn:	820 ppm
Chelated Zn:	820 ppm
Chelated Cu:	820 ppm
Boron:	330 ppm
Molybdenum:	160 ppm

**Physical Appearance:**  
Suspension/ SC

Special Weight (18-20 C°):  
1.65 ± 0.05 Kg/L

**Suitable for:**

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



Registration No: **67335**

Producer: **Bazargankala Co.**

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## Containing Elements of Nitrogen, Phosphorus with a High Percentage of Potassium | Containing the Amino Acids, Organic Matter and Micro Elements Chelated with Glycine Amino Acid

### Introduction:

“Nutritech 5-10-40” fertilizer contains nitrogen, phosphorus and high percentage of potassium, which has been produced to provide the required elements of the plant by foliar application during the period of reproductive growth and crop maturity. Consumption of this fertilizer improves the color, aroma, taste, as well as increasing the quantity and quality of the product.

### Technical Information:

Content						
Nutritech 5-10-40	Total Nitrogen	Phosphorus	Potassium	Magnesium	Free amino acid	Organic matter
	5.28 %	10.06 %	40.43 %	0.82 %	1.65 %	16.5 %
	Chelated Fe	Chelated Mn	Chelated Zn	Chelated Cu	Boron	Molybdenum
	1600 pmm	820 pmm	820 pmm	820 pmm	330 pmm	160 pmm

“Nutritech 5-10-40” is a fertilizer rich in potassium and contains nitrogen, phosphorus, amino acids, organic matter and micro nutrients chelated with glycine amino acid. This fertilizer is in the form of suspension and is used for foliar application for all plants during the growing season and reproductive stage. With the use of this fertilizer, items such as color, taste and marketability of the product, as well as indicators such as brix, size and etc. for fruits will improve.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruit Trees	Before flowering	2-3 liters/1000 L of water
Field Crops		2-3 liters/1000 L of water
Vegetables		2-3 liters/1000 L of water
Greenhouses		1-2 liters/1000 L of water

\*repeat as needed



## High K 5-10-40+TE

### Features & Advantages:

- Providing high amounts of soluble potassium for plants
- Containing chelated micro nutrients to the plant
- Containing organic matter and free amino acids to help better absorption and improve plant physiological processes
- Increasing crop resistance to stresses

### Cautions & Disclaimers:

- Do not mix with alkaline calcium compounds, sulfur derivatives and pesticides
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.
- Shake well before application.



## Nitro Micro 2505

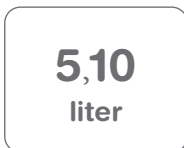
### Guaranteed Content (w/w):

Nitrogen:	<b>25%</b>
Total Amino Acid:	<b>5%</b>
Free Amino Acid:	<b>2%</b>
Organic Matter:	<b>10%</b>
Chelated Fe:	<b>800 ppm</b>
Chelated Mn:	<b>800 ppm</b>
Chelated Zn:	<b>800 ppm</b>
Chelated Cu:	<b>200 ppm</b>
Liquid B:	<b>200 ppm</b>
Liquid Mo:	<b>500 ppm</b>

 **Physical Appearance:**  
Soluble Liquid

### Suitable for:

-  **Fruits**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



Registration No: **98497**

Producer: **Bazargankala Co.**

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## Nitrogen Compound Fertilizer | Containing Micronutrients and Amino Acids

### Introduction:

“Nutritech Nitro Micro 2505” liquid fertilizer contains significant amount of absorbable nitrogen along with chelated micronutrients and amino acids which leads to a balance between the growth of shoots and roots of plants.

### Technical Information:

Content										
Nutritech Nitro Micro 2505	Nitrogen	Total amino acid	Free amino acid	Organic matter	Chelated Fe	Chelated Mn	Chelated Zn	Chelated Cu	Liquid B	Liquid Mo
	25 %	5 %	2 %	10 %	800 ppm	800 ppm	800 ppm	200 ppm	200 ppm	500 ppm

“Nutritech Nitro Micro 2505” In this fertilizer, Nitrogen is provided in proper and absorbable condition with acidic pH. Also, natural glycine has been used for micronutrients as chelator which results in their rapid absorption by plants. Glycine chelated micronutrients not only increase the mobility of micronutrients inside of plants but also facilitate their delivery to the target organs including fruits, flowers, etc. This fertilizer can provide absorption of nutrients for plants under low temperatures which is one of its most important advantages especially in the early growing stage when the temperature is low.

### Application Guide: Fertigation Application

Crops	Time of Application	Application Rate
Fruit Trees	At the beginning of the season, repeat as needed (up to one month after the formation of fruit)	10-20 liters/ Ha.
Field Crops	At the time of 2-4 leaves stage, repeat as needed (up to the beginning of the reproductive phase)	10-20 liters/ Ha.
Vegetables	Start from the beginning of the vegetative growth, repeat as needed	10-20 liters/ Ha.
Greenhouses	Start from the beginning of the vegetative growth, repeat as needed (Up to the beginning of the reproductive phase)	1-2 liters/ 1000 m <sup>2</sup>



## Nitro Micro 2505

### Features & Advantages:

- Fast and steady supply of nitrogen and micronutrients
- Increasing the photosynthesis and chlorophyll production
- Increasing the amount of protein in fruits, seeds and nuts
- Developing the root system that helps absorption of nutrients from the soil
- Enabling absorption and consumption in lower temperatures (high efficiency of fertilizers in the beginning of the growth season)

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- Ensuring regular and consistent supply of fertilizer during the time of application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline compounds, sulfur derivatives and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- The product should not be used unless it is diluted in water according to the given instructions.
- The product should be shaken well before using and gloves and goggles must be worn when handling and using this product.



## Granule 486

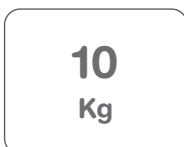
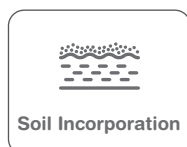
Guaranteed Content (w/w):

Total Nitrogen:	4%
P <sub>2</sub> O <sub>5</sub> :	8%
K <sub>2</sub> O:	6%
Humic Acid:	5%
Free Amino Acid:	0.2%
Plant Peptides:	0.5%
Organic Matter:	25%
Moisture:	10%
Particles size 1-5 mm:	90%

Physical Appearance:  
Granule / G

Suitable for:

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **44431**

Producer: Bazargankala Co.

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## Organomineral Granule NPK Plus Humic Acid and Amino Acids | Supply of Nutrients throughout the Season, Improving Soil Structure

### Introduction:

“Nutritech Granule 486” contains the main elements needed for growth, namely nitrogen, phosphorus and potassium. It also can be used as base fertilizer in all crops. Organic matter and Humic Acid in this fertilizer enhances the absorption of most nutrients especially phosphorus, it also well improves the physical structure of soil, increase soil fertility and the population of microorganisms.

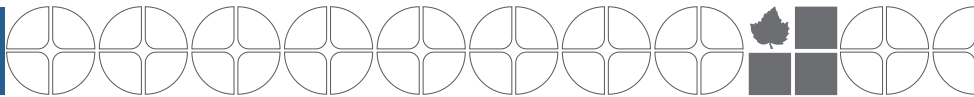
### Technical Information:

Content									
Nutritech Granule 486	Total Nitrogen	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Humic Acid	Free Amino Acid	Plant Peptides	Organic Matter	Moisture	Particle size 1-5 mm
	4 %	8 %	6 %	5 %	0.2 %	0.5 %	25 %	10 %	90 %

“Nutritech Granule 486” contains a high percentage of mini-granule particles that provide access to the elements early in the season. It also provides the nutrients needed by the plant gradually and throughout the season. This fertilizer shall be used as soil- incorporation.

### Application Guide: Soil Incorporation

Crops	Time of Application	Method	Application Rate
Fruits	Before Season Start	Soil Incorporation	300-500 Kg/ha
Field Crops	Before Planting		200-400 Kg/ha
Vegetables			200-400 Kg/ha
Greenhouses			30-50 Kg/1000 m <sup>2</sup>



## Granule 486

### Features & Advantages:

- Supplying nitrogen, phosphorus and potassium at the beginning of the growing season as well as during the season
- Increasing organic matter in the soil
- Increasing the absorption of other nutrients and fertilizers
- Increasing yield and improving vegetative and reproductive growth

### Cautions & Disclaimers:

- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.



### Potassium Calcium Nitrate

#### Guaranteed Content (w/w):

$\text{NO}_3^-$	<b>14%</b>
$\text{K}_2\text{O}$	<b>28%</b>
$\text{CaO}$	<b>10%</b>

**Physical Appearance:**  
Powder/ P

#### Suitable for:

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**
- Flowers and Ornamental**



**Registration No: 81172**

**Producer: Bazargankala Co.**

## Combination of Potassium and Calcium Nitrate I Water Soluble

### Introduction:

“Nutritech Potassium Calcium Nitrate” is recommended for fertigation and foliar application. Combination of elements in this fertilizer provides nitrogen, potassium and calcium at the same time for plants. This fertilizer is produced from high quality raw materials that leads to higher yield and better quality.

### Technical Information:

Content			
	$\text{NO}_3^-$	$\text{K}_2\text{O}$	$\text{CaO}$
Potassium Calcium Nitrate	14 %	28 %	10 %

Providing balanced combination of nitrogen, potassium and calcium is so important to plants. Important to plants; Supplying balanced quantity of these elements leads to above elements leads to better growth, higher quality and more resistance to environmental stresses.

### Application Guide: Foliar Application/ Fertigation

Crops	Time of Application	Method	Application Rate
Fruits	After fruit setting until harvest	Foliar Application/ Fertigation	2-3 Kg /1000 L of water 10-15 Kg/ha
Field Crops	After flowering until harvest		2-3 Kg /1000 L of water 10-15 Kg/ha
Flowers and Ornamental trees	Middle of the growing season until the end of the season		1-2 Kg /1000 L of water 3-5 Kg/ha
Vegetables	Middle of the growing season until harvest		2-3 Kg /1000 L of water 5-10 Kg/ha
Greenhouses	After flowering until the end of the season		1-2 Kg /1000 L of water 2-3 Kg/ha

\*Repeat as needed

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## Potassium Calcium Nitrate

### Features & Advantages:

- Supplying potassium, calcium and nitrogen fast and easy
- Made of high quality raw materials without chlorine and sodium
- Increasing yield and improving quality
- Helping the uniformity and earliness
- Increasing tissue firmness, quality of fruit skin and shelf life
- Improvement of flowering branches and durability of ornamental flowers
- Increasing crop resistance to stresses

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



## Urea phosphate 17-44

Guaranteed Content (w/w):

Total Nitrogen: 17%  
 Phosphorus: 44%  
 Moisture: 0.5%  
 pH 10% solution 2-2.5

Physical Appearance:  
 Powder/ P

Suitable for:

- Fruits
- Field Crops
- Vegetables
- Greenhouses
- Ornamental flowers and trees

 Vegetation Growth	 pH Reduction
 Fertigation	<b>15</b> Kg

Registration No: **48716**

Producer: Bazargankala Co.

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## Supplying Nitrogen and Phosphorus I Increasing vegetative growth, Better Rooting and Fruit Setting

### Introduction:

"Nutritech Urea Phosphate 17-44" supplies nitrogen and phosphorus, it also causes pH of the environment and water to be decreased. The quick dissolution of this fertilizer is due to both the nature of the fertilizer and the fine crystalline form of the product.

### Technical Information:

Content					
Urea Phosphate 17-44	Total Nitrogen	Phosphorus	Moisture	pH (10% solution)	
	w/w	17 %	44 %	0.5 %	2-2.5

"Nutritech Urea Phosphate 17-44" is completely soluble in water, which can be used as irrigation and foliar application. Due to the very low efficiency of phosphorus in calcareous and alkaline soils, urea phosphate with acidic pH provides the possibility of high absorption of phosphorus. Also, this fertilizer increases the solubility of micronutrient elements by reducing pH of the soil solution. Another beneficial effect of this fertilizer is the reduction of water hardness, which reduces sedimentation of pipes and other drip irrigation equipments; This fertilizer helps better establishment of all crops. "Nutritech Urea Phosphate 17-44", increases root system and absorption of nutrients, causing better growth flowering and longer fruit shelf life.

### Application Guide: Foliar and Fertigation Application

Crops	Time of Application	Method	Application Rate
Fruits	Beginning of the growing season until middle of reproductive stage	Fertigation	10-20 kg/ha
		Foliar	2-3 kg /1000 L of water
Field Crops		Fertigation	5-20 kg/ha
		Foliar	2-3 kg /1000 L of water
Ornamental flowers and trees		Fertigation	5-10 kg/ha
		Foliar	1-2 kg /1000 L of water
Vegetables		Fertigation	10-20 kg/ha
		Foliar	2-3 kg /1000 L of water
Greenhouses	Fertigation	2-3 kg/1000 m <sup>2</sup>	
	Foliar	1-2 kg /1000 L of water	

\*repeat as needed every 10-15 days



## Urea phosphate 17-44

### Features & Advantages:

- Quick supply of plant available phosphorus and nitrogen
- Increasing the efficiency of nitrogen, phosphorus and effective absorption of other nutrients
- Better establishment of the plant at the beginning of growth
- Improving flowering and quality of the products
- Increasing yield
- Reduction of sediment clogging of irrigation system equipment
- Reducing water and soil pH

### Cautions & Disclaimers:

- Make sure that the pH of the solution is not less than 4.5 when spraying
- "Nutritech Urea Phosphate 17-44" cannot be mixed with compounds with high pH
- Do not mix with Calcium products, alkaline, highly acidic and sulfur derivatives.
- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products highly acidic and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be directly applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.







## Ca Amino Chelate 1010

Guaranteed Content (w/w):

Chelated Calcium: **10%**

Free Amino Acid: **10%**

Organic Matter: **10%**

**Physical Appearance:**  
Soluble Liquid

Suitable for:

- Fruits**
- Pistachio**
- Vegetables**
- Field Crops**
- Greenhouses**



Registration No: **27491**

Producer: **Bazargankala Co.**

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## Glycine Chelated Foliar Calcium | Calcium is The Most Important Element in Crop Quality

### Introduction:

“Nutritech Calcium Amino-chelate 1010” contains chelated calcium, amino acids and organic matter

### Technical Information:

Content			
Nutritech Amino Chelate Ca 1010	Chelated Calcium	Free Amino Acids	Organic Matter
	10 %	10 %	10 %

“Nutritech Calcium Amino-chelate 1010” contains high amount of calcium chelated with glycine amino acid. Calcium is a non-mobile element which is transported very little after entering the plant body; In addition to helping better absorption of calcium into the plant body, “Nutritech Amino-chelate Calcium 1010” also facilitates the transfer of calcium within the plant to its target organs such as fruits, roots and buds. The amino acid in this fertilizer is used as a source and a prerequisite for protein production in the plant, and also increases the plant's resistance to environmental stresses. Another role of calcium is to increase the quality, shelf life and marketability of the plant products. Besides that, considering all the features of this fertilizer, it helps the crops have better quality and this quality does not diminish through transportation and storage.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruits	Early fruit formation to the harvest	2-3 liters/ 1000 L of water
Pistachio	Bud swelling to the harvest	2-3 liters/ 1000 L of water
Field Crops	Early growth season	1-2 liters/ 1000 L of water
Vegetables	Early growth season, after flowering	2-3 liters/ 1000 L of water
Greenhouses	After fruit setting to the harvest	1-2 liters/ 1000 L of water

\* Repeat as needed



# Ca

## Amino Chelate 1010

### Features & Advantages:

- A very good source of calcium supply
- Alleviating the symptoms of calcium deficiency in the fastest time
- Increasing the firmness of the fruit texture and the quality of fruit skin
- Helping relieve many physiological disorders:
  - reducing bitter pit and scald in apples
  - reducing blossom-end-rot in tomatoes, watermelons and bell peppers
  - reducing the effects of calcium deficiency in pistachios.
  - reducing cracking and sunburn in some products such as pomegranate and, ... .

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.
- Shake well before application.



## Calbor Amino Chelate 805

Guaranteed Content (w/w):

Chelated Calcium: **8%**

Boron solution: **1.5%**

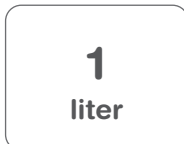
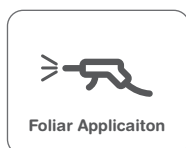
Free Amino Acid: **5%**

Organic Matter: **10%**

 **Physical Appearance:**  
Soluble Liquid

**Suitable for:**

-  **Fruits**
-  **Pistachio**
-  **Vegetables**
-  **Field Crops**
-  **Greenhouses**



**Registration No: 68938**

**Producer: Bazargankala Co.**

## Supplying Calcium and Boron | Increasing Crop Quality, Improving the effect of both elements due to the synergistic effect

### Introduction:

**Nutritech Amino Chelate Calbor 805** contains stable chelate of calcium and boron solution, amino acids and also organic matter.

### Technical Information:

Content				
<b>Nutritech Amino Chelate Calbor 805</b>	Chelated Calcium	Boron solution	Free Amino Acids	Organic Matter
	<b>8 %</b>	<b>1.5 %</b>	<b>5 %</b>	<b>10 %</b>

**Nutritech Amino Chelate Calbor 805** is a stable chelate of calcium and boron solution, with free amino acids and organic matter which is designed based on chelate technology to meet the rapid needs of agricultural products and is formulated in a form that can be easily and rapidly absorbed by plants.

Plants need a number of elements for proper growth, among which, elements such as calcium and boron play an important role in plant's growth and development and are among the most important mineral elements in cell division and differentiation, inoculation and pollination, increasing the quality and storability of products. Due to the fact that the absorption of calcium through soil is difficult and also very low mobility of this element inside plants, the supply of this element by foliar application is essential. Boron is also one of the essential elements for the natural growth of all plants; it helps plants have better cell division, nucleic acid formation, carbohydrate and protein metabolism, vascular development and transportation of photosynthetic materials. Boron is also very effective in pollen tube growth and finally seed and fruit formation. The combination of calcium and boron with amino acids and organic matter has become a very effective solution in proper growth.



# Calbor

## Amino Chelate 805

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruits	Early fruit formation	2-3 liters/ 1000 L of water
Pistachio	Bud swelling, Fruit setting	2-3 liters/ 1000 L of water
Field Crops	Early growth season	1-2 liters/ 1000 L of water
Vegetables	Early growth season, after flowering	2-3 liters/ 1000 L of water
Greenhouses	After fruit setting	1-2 liters/ 1000 L of water

\* Repeat as needed

### Features & Advantages:

- Very suitable source for a fast supply of calcium and boron.
- Relieving the growth stop of the terminal bud and reducing the abortion of fruits in vegetables especially in greenhouse products.
- Improving the quality and storability of products.
- Maintaining the firmness of fruits

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.

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# Fe

## Amino Chelate 510

Guaranteed Content (w/w):

Chelated Fe: **5%**

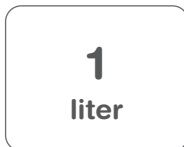
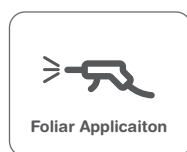
Free Amino Acid: **10%**

Organic Matter: **10%**

**Physical Appearance:**  
Soluble Liquid

**Suitable for:**

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



**Registration No: 45711**

**Producer: Bazargankala Co.**

## Glycine Chelated Foliar Fe | Better Resistance to environmental stresses | Better greenness

### Introduction:

**Nutritech Amino Chelate Fe 510** contains Fe chelated with glycine amino acid and organic matter.

### Technical Information:

Content			
Nutritech Amino Chelate Fe 510	Chelated Fe	Free Amino Acids	Organic Matter
	5 %	10 %	10 %

**Nutritech Amino Chelate Fe 510** is a Fe chelate which is absorbed quickly by different plants. One of the main benefits of this fertilizer is its high mobility inside plants, so after the absorption it can be relocated to the organs with low Iron concentration. This fertilizer is recommended for all field crops, fruit trees, vegetables and greenhouse crops.

### Application Guide: Foliar application

Crops	Time of Application	Application Rate
Fruits	Early fruit formation, during the fruit development	1-3 liters/ 1000 L of water
Citrus	Before flowering, early fruit formation and during the fruit development	2-3 liters/ 1000 L of water
Field Crops	Early growth season	1-2 liters/ 1000 L of water
Vegetables	Early growth season, Before flowering	2-3 liters/ 1000 L of water
Greenhouses	Before flowering and after fruit setting	1-2 liters/ 1000 L of water

\* Repeat as needed

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# Fe

## Amino Chelate 510

### Features & Advantages:

- Quickly eliminating chlorosis (yellow leaf) caused by Fe deficiency
- Increasing plant stability against environmental stresses due to the presence of amino acids
- Improving the quality and increasing the yield
- High absorption rate and easy transfer to the target organs in the plant

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



## Zn Amino Chelate 710

Guaranteed Content (w/w):

Chelated Zn: **7%**

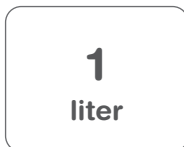
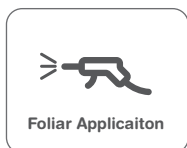
Free Amino Acid: **10%**

Organic Matter: **20%**

**Physical Appearance:**  
Soluble Liquid

Suitable for:

- Fruits**
- Pistachio**
- Vegetables**
- Field Crops**
- Greenhouses**



Registration No: **27969**

Producer: **Bazargankala Co.**

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## Glycine Chelated Foliar Zn | better fruit-set, less fruit drop

### Introduction:

**Nutritech Amino chelate Zn 710** is a product containing chelated Zn, free amino acids and organic matter.

### Technical Information:

Content			
Nutritech Amino Chelate Zn 710	Chelated Zn	Free Amino Acids	Organic Matter
	7 %	10 %	20 %

**Nutritech Amino Chelate Zn 710** is a stable zinc chelated with glycine amino acid. Not only does the formulation of this product supply Zn quickly but it also maintains Zn for long course of time.

Due to soils' conditions and also high pH of soils, zinc deficiency is prevalent and as mentioned owing to this situations, the uptake of zinc is not optimal by plants; so, foliar application of this element is strongly recommended.

Also we should consider that the mobility of zinc is low inside the plants; thus, the special formulation of this fertilizer provides maximum mobility for zinc to help it be very available at the sink.

It also has organic matter and free amino acids which provide better absorption besides better tolerance to undesirable climatic conditions.

### Application Guide: Foliar application

Crops	Time of Application	Application Rate
Fruits	After fruit setting	2-3 liters per 1000 L of water
Pistachio	At bud swelling	2-3 liters per 1000 L of water
Field Crops	Early growth stage	1-2 liters per 1000 L of water
Vegetables	Early growth stages, before flowering	2-3 liters per 1000 L of water
Greenhouses	Before flowering, after fruit setting	1-2 liters per 1000 L of water

\* Repeat as needed



# Zn

## Amino Chelate 710

### Features & Advantages:

- Providing Zn very fast and in sustainable way
- Better flowering and reducing fruit drops
- Helping plant produce better hormones (especially auxin)
- Helping plants produce essential proteins
- Better resistance to biotic and abiotic stresses

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- In case of using it in Irrigation, regular and sufficient irrigation water should be provided.
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



# Mn

## Amino Chelate 510

Guaranteed Content (w/w):

Chelated Mn: 5%

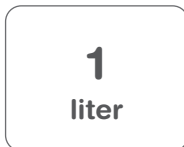
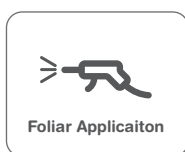
Free Amino Acid: 10%

Organic Matter: 10%

Physical Appearance:  
Soluble Liquid

Suitable for:

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **81823**

Producer: Bazargankala Co.

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## Glycine Chelated Foliar Manganese | Better Resistance to environmental stress, Better greenness

### Introduction:

Nutritech Amino Chelate Mn 510 is a fertilizer containing Mn element with amino acids, organic matter and with ability to increase photosynthesis

### Technical Information:

Content			
Nutritech Amino Chelate Mn 510	Chelated Mn	Free Amino Acids	Organic Matter
	5 %	10 %	10 %

Nutritech Amino Chelate Mn 510 contains manganese in the form of chelate, free amino acids and organic matter. Glycine amino acid contained in this composition is one of the best chelator compounds which has a very high absorption capability due to the small size of its molecules. In addition to that, the other benefit of this fertilizer is the possibility of easy relocation in the plant, so that it quickly makes Mn absorbable and transferable in the plant and increases the photosynthesis by plant. This fertilizer can be used as foliar application during most growth stages of plants.

### Application Guide: Foliar application

Crops	Time of Application	Application Rate
Fruits	Early fruit formation	1-3 liters/ 1000 L of water
Citrus	Early fruit formation	2-3 liters/ 1000 L of water
Field Crops	Early growth season	1-2 liters/ 1000 L of water
Vegetables	Early growth season, Before flowering	1-2 liters/ 1000 L of water
Greenhouses	Before flowering and after fruit setting	1-1.5 liters/ 1000 L of water

\* Repeat as needed



# Mn

## Amino Chelate 510

### Features & Advantages:

- High absorption rate of Mn in plants.
- Quick and easy relocation in plants.
- Increasing performance of plants and improving the quality of the products.
- Help increasing photosynthesis efficiency.

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



## MicroMix Amino Chelate 222

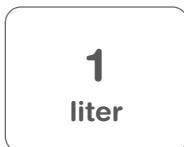
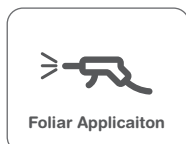
Guaranteed Content (w/w):

Nitrogen:	5%
Chelated Fe:	2%
Chelated Mn:	2%
Chelated Zn:	2%
Chelated Cu:	0.03%
Chelated B:	0.3%
Molybdenum:	0.3%
Free Amino Acid:	5%
Organic Matter:	15%

**Physical Appearance:**  
Soluble Liquid

**Suitable for:**

- Fruits
- Pistachio
- Citrus
- Vegetables
- Field Crops
- Greenhouses



**Registration No: 79414**

**Producer: Bazargankala Co.**

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## Micro Nutrients + Organic Matter & Amino Acid I Providing balanced combination of elements and materials for a healthy growth

### Introduction:

“Nutritech Amino Chelate MicroMix 222 ” contains micronutrients plus amino acid & organic matter.

### Technical Information:

Content									
Nutritech Amino Chelate MicroMix 222	N	Chelated Fe	Chelated Mn	Chelated Zn	Chelated Cu	Chelated B	Mo	Free Amino Acid	O.M
	5 %	2 %	2 %	2 %	0.03%	0.3%	0.3%	5 %	15 %

**Nutritech Amino Chelate MicroMix 222** is a stable mixture of micronutrients chelated with glycine amino acid which helps plants absorb micronutrients. This product can be used as foliar in all stages of growth.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruits	After fruit setting, and during fruit growth	2-3 liters/ 1000 L of water
Citrus	Before flowering, After fruit setting	
Pistachio	After fruit setting	
Field Crops	At the beginning of the growing season	1-2 liters/ 1000 L of water
Vegetables	At the beginning of the growing season, Before flowering	1.5-2.5 liters/ 1000 L of water
Greenhouses	Before flowering and after fruit setting	0.5-1 liters/ 1000 L of water

\* Repeat as needed



## MicroMix Amino Chelate 222

### Features & Advantages:

- Balanced supply of micronutrients
- Quick improvement of micronutrients deficiency
- Increasing greenness
- Increasing yield, improving quality and marketability
- Increasing crop resistance to environmental stresses

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



### Potassium Silicate 1810

Guaranteed Content (w/w):

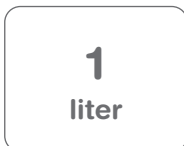
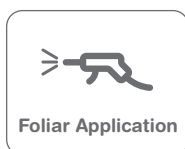
<b>K<sub>2</sub>O</b>	<b>10.24%</b>
<b>SiO<sub>2</sub></b>	<b>18.11%</b>
<b>Seaweed</b>	<b>1%</b>
<b>Free Amino Acid</b>	<b>1%</b>

**Physical Appearance:**  
Liquid/ L

Special Weight (18-20 C°):  
1.27 ± 0.05 Kg/L

**Suitable for:**

- Fruits**
- Vegetables**
- Field Crops**
- Greenhouses**



**Registration No: 86820**

**Producer: Bazargankala Co.**

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## Containing silicate and potassium | Increasing strength and enhancing resistance to the environmental stress

### Introduction:

“Nutritech Potassium Silicate 1810” is based of the raw material "potassium silicate", as a result of which it provides potassium and silicon at the same time to the plants. Simultaneous supply of the two elements leads to the strength of plants & tissues and increases plants resistance to the environmental stress. Also, it leads to better growth and development of plant organs due to seaweed and free amino acids contents.

### Technical Information:

Content					
Potassium Silicate 1810					
		K <sub>2</sub> O	SiO <sub>2</sub>	Seaweed	Free Amino Acid
	w/w	10.24 %	18.11 %	1 %	1 %
w/v	13 %	23 %	1.27 %	1.27 %	

Silicate is one of the most useful materials for plants, which increases the thickness, firmness and plant leaf strength. The combination of silicate and potassium has an effective role in improving the quality and firmness of fruit texture as well as increasing the shelf life of the products. Potassium silicate reduces the sunburn effects when the temperature and radiation are high in summer. Application of potassium silicate, at the right time, helps reduce blankness in pistachio, it also strengthens the cell walls; So, the damage of some pests such as psylla is lowered.

### Application Guide: Foliar Application/ Fertigation

Crops	Time of Application	Method	Application Rate
Rice	After transplanting	Foliar Application/ Fertigation	2-3 Liters /1000 L of water 8-10 liters/ha
Field Crops	During vegetative stage and early reproductive stage		1-2 Liters /1000 L of water 5-10 liters/ha
Pistachio	Nut Filling		2-3 Liters /1000 L of water 8-10 liters/ha
Fruits	After falling petals		1-3 Liters /1000 L of water 8-10 liters/ha
Vegetables	At all growth stage		1-3 Liters /1000 L of water 3-5 liters/ha
Greenhouses	At all growth stage		1-2 Liters /1000 L of water 3-5 liters/ha

\*Repeat as needed



## Potassium Silicate 1810

### Features & Advantages:

- Supplying silicate and potassium to plants at the same time.
- Mechanical strength of plant tissues
- Reducing lodging in cereals
- Helping crop resistance to stresses
- Increasing crop resistance against the absorption and accumulation of heavy metals
- lowering the damage of some pests (psylla, ...)

### Cautions & Disclaimers:

- Do not mix with alkaline, highly acidic and sulfur derivatives.
- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products highly acidic and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be directly applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



## Seed Treatment 1010

Guaranteed Content (w/w):

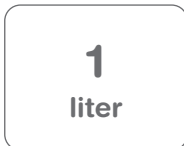
Total Nitrogen	2%
Organic Nitrogen	2%
P <sub>2</sub> O <sub>5</sub>	10%
K <sub>2</sub> O	6%
Zinc	10%
Humic Acid	3%
Organic Matter	18%

**Physical Appearance:**  
Suspension/ SC

Special Weight (18-20 C°):  
1.30 ± 0.05 Kg/L

Suitable for:

**Vegetables**  
 **Field Crops**



Registration No: **67614**

Producer: **Bazargankala Co.**

## Containing Phosphorus, Zinc, Organic Matter and Humic Acid | Better Rooting, Increasing Germination

### Introduction:

“Nutritech Seed Treatment 1010“ contains phosphorus, zinc, organic matter and humic acid. Treating seeds with this fertilizer before planting improves root system and increases rate of germination. It not only reduces the effect of transplantation stress, but also improves the early seedling establishment. Use of this liquid fertilizer will increase the quantity and quality of products. Also, due to its suspension formulation, this composition creates a suitable coating on the seed.

### Technical Information:

Content								
Seed Treatment 1010		Total Nitrogen	Organic Nitrogen	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Zinc	Humic Acid	Organic Matter
		w/w	2 %	2 %	10 %	6 %	10 %	3 %
	w/v	3 %	3 %	13 %	8 %	13 %	4 %	23 %

This compound leads to better germination and uniformity. It will also help reduce possibility of damage caused by damping off and root diseases, because of better and stronger root growth.

### Application Guide: Seed Treatment\*

Crops	Application Rate
Cereal	3-4 liters per 1 metric ton of seeds
Legumes	4-5 liters per 1 metric ton of seeds
Industrial crops and Oil seed crops	3-4 liters per 1 metric ton of seeds
Vegetables	1-2 liters per 100 Kg of seeds

\*Dilute each liter of this product in maximum 2 to 5 liters of water, then mix it with the seeds until they are uniformly covered. When seeds are dried under shade, they are ready to be planted.

### Features & Advantages:

- Increasing seed germination
- Developing root system and increasing water and nutrient absorption
- Better establishment of seedling at the beginning of growth
- Increasing products quality and yield

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## Seed Treatment 1010

### Cautions & Disclaimers:

- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.



## Growth Mixture 1011

Guaranteed Content (w/w):

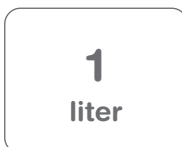
Total Nitrogen	5%
P <sub>2</sub> O <sub>5</sub>	3%
K <sub>2</sub> O	5%
fulvic Acid	2.5%
Seaweed	10%
Alginic Acid	1.37%
Free Amino Acid	10%
Total Amino Acid	11%
Organic Matter	15.5%

**Physical Appearance:**  
Suspension/ SC

Special Weight (18-20 C°):  
1.28 ± 0.05 Kg/L

**Suitable for:**

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **99895**

Producer: Bazargankala Co.

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## Containing NPK, Fulvic Acid, Amino Acids and Seaweed | Increasing Resistance to Environmental Stresses, Plant Growth Stimulator

### Introduction:

“Nutritech Growth Mixture 1011” contains a variety of nutritional elements and supplementary ingredients such as nitrogen, potassium, seaweed, fulvic acid and alginic acid. This fertilizer is produced from high quality and natural raw materials. Amino acids and seaweed in this product are strong anti-stress agents which increase plant resistance to environmental stresses.

### Technical Information:

Content										
	Total Nitrogen	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Fulvic Acid	Seaweed	Alginic Acid	Free Amino Acid	Total Amino Acid	Organic Matter	
Growth Mixture 1011	w/w	5 %	3 %	5 %	2.5 %	10 %	1.37 %	10 %	11 %	15.5 %
	w/v	6.4 %	4 %	6.4 %	3.2 %	13 %	1.75 %	13 %	14.1 %	20 %

Fulvic acid in this fertilizer facilitates absorption and transportation of nutrients in plants. It also increases cell division and elongation, stimulates plant metabolism, and increases the activity of enzymes related to plant respiration. On the other hand, seaweed and alginic acid are considered as strong anti-oxidants and plant stimulants which lead to better and stronger growth. As a result, the plant resistance to environmental stresses increases and leads to improvement in quantity and quality of the products.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Field Crops	Start from the middle of vegetative growth	1-2 Liters /1000 L of water
Fruits	Start from the beginning of growth	1-3 Liters /1000 L of water
Vegetables	Start from the middle of vegetative growth	1-2 Liters /1000 L of water
Greenhouses	Start from the beginning of vegetative growth	1-2 Liters /1000 L of water

### Seed Treatment and Root Dipping

Seed Treatment	1% solution (Amount of water depends on the size and quantity of the seeds)
Root Dipping	Root Dipping at 0.5-0.75% solution in transplantation time



## Growth Mixture 1011

### Features & Advantages:

- Increasing nutrients uptake by the plant
- Growth stimulator with long lasting effect on increasing the growth of plants
- Better fruit setting and reducing fruit drops
- Increasing crop resistance to environmental stresses
- Improving quality and marketability of fruits

### Cautions & Disclaimers:

- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products, highly acidic and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be directly applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



## Grain Set 615

Guaranteed Content (w/w):

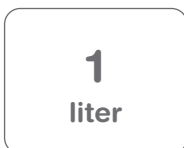
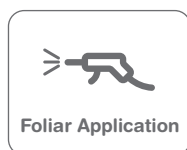
Total Nitrogen:	6%
Phosphorus:	6%
Potassium:	6%
Chelated Cu:	1%
Boron:	0.5%
Free Amino Acid:	5%
Organic Matter:	10%

**Physical Appearance:**  
Liquid/ L

Special Weight (18-20 C°):  
1.25 ± 0.05 Kg/L

**Suitable for:**

**Field Crops**



Registration No: **20460**

Producer: **Bazargankala Co.**

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## Organic fertilizer containing Macro Elements | Zinc, Boron and Amino Acids; Better Grain

### Introduction:

“Nutritech Grain Set 615” application before elongation and flowering stage in field crops has a very important role in panicle formation as well as grain weight; it also prevents panicle shortening and grain weight loss. Nitrogen, zinc, and amino acids in this fertilizer provide better grain formation; Besides, phosphorus and potassium cause better filling. It also contains compounds that reduce environmental stresses, which prepares the plant for better flowering, fruiting and filling in adverse conditions.

### Technical Information:

Content								
Grain Set 615		Total Nitrogen	Phosphorus	Potassium	Chelated Zn	Boron	Free Amino Acid	Organic Matter
	w/w	6 %	6 %	6 %	1 %	0.5 %	5 %	10 %
w/v	7.50 %	7.50 %	7.50 %	1.25 %	0.63 %	6.25 %	12.50 %	

Foliar application of "Grain Set 615" is recommended before and after panicle formation in cereals and also before flowering in other crops. Based on local experienced agronomists recommendation, this fertilizer can be used after flowering, panicle or pods formation.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Wheat, Barley, Rice and ...)	Tillering until before panicle formation	5-6 liters/1000 L of water
Corn	4-8 leaves	
Canola, Soybean, Sesame	Before flowering until pods formation	
Legumes	Before flowering until early pods formation	
Cotton, Sunflower	Before flowering	

\*repeat as needed



## Grain Set 615

### Features & Advantages:

- Providing the elements needed for grain setting and for better panicle formation
- Improving the formation of flowers, spikes, pods and fruits in other crops
- Increasing the weight of "one thousand seeds" and improving grain weighting

### Cautions & Disclaimers:

- In areas where the amount of boron in the leaves or irrigation water is high, use of this product should be consulted with local experienced agronomist.
- Do not mix with alkaline, highly acidic and sulfur derivatives.
- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products highly acidic and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be directly applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



# Fruit Set 525

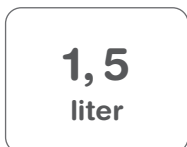
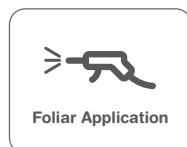
Guaranteed Content (w/w):

- Free Amino Acid: 5%
- Boron: 2%
- Zinc: 5%
- Organic Carbon: 7%
- Total Nitrogen: 7%

**Physical Appearance:**  
Soluble Liquid

Suitable for:

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **57354**

Producer: Bazargankala Co.

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## Better Pollination and Fruit Setting | Remedy for Zn and B Deficiencies

### Introduction:

**Nutritech Fruit Set 525** is a micronutrient fertilizer containing Zinc and Boron with some other nourishing materials which is devised for better pollination, better fruit setting, and consequently higher yield.

### Technical Information:

Content					
Fruit Set 525	Free Amino Acids	B	Zn	O.C.	Total N
	5 %	2 %	5 %	7 %	7 %

**Nutritech Fruit Set 525** is a fertilizer which is developed for better pollination and fruit setting specially in fruit trees. The growth stage that this fertilizer can be best used is at the time of bud swelling; at this period of time, as the buds are swelling, their epidermis is so fresh and thin which allows nutrient absorption; thus, by applying the fertilizer at this time, we will help the plants absorb the needed elements and materials. This fertilizer can also be applied after harvest when plants tend to store nutrients for robust start in the coming season.

Considering the formulation and the components of this fertilizer, it is so effective in fruit-bearing vegetables (tomatoes, bell peppers, cucumbers, etc) before flowering which helps the plants better set the fruits and keep the newly-formed fruits intact; therefore, more yield is quite achievable.

### Application Guide: Foliar application

Crops	Time of Application	Application Rate
Fruit Trees	Bud swelling stage and also after harvest	2-3 liters of fertilizer per 1000 liters of water
Greenhouses	Late vegetative stage and repeating during fruiting stage	1-1.5 Liters of fertilizer per 1000 liters of water
Fruit-bearing Vegetables	Before flowering and repeating during fruit bearing stage	2-3 liters of fertilizer per 1000 liters of water
Leafy Vegetables and Field Crops	In the middle of growth stage	2-3 liters of fertilizer per 1000 liters of water

\* As it contains Zn and B, it can be applied for the deficiencies of these elements in all plants

\* Avoid using it at the time of blooming.



## Fruit Set 525

### Features & Advantages:

- Better fruit setting
- Reducing fruit drops
- Better uniformity in fruits
- Better resistance to spring frost
- Helping plants overcome Zn and B deficiencies
- Reducing alternate bearing (biennial bearing)

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with Calcium products, Sulphur and mineral oils and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time.
- For Boron-sensetive crops and for the regions with high Boron in soil and water, the application should be consulted with experts.



# AminoPotasse 1010

Guaranteed Content (w/w):

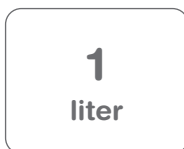
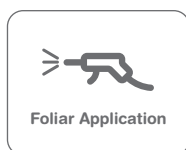
**K<sub>2</sub>O: 10%**

**Free Amino Acid: 10%**

**Physical Appearance:**  
Soluble Liquid

**Suitable for:**

- Fruits**
- Field Crops**
- Cereals**
- Vegetables**
- Greenhouses**



**Registration No: 78582**

**Producer: Bazargankala. Co.**

## Amino acid + K<sub>2</sub>O | Growth Stimulant, Plant Resistance To Environmental Stresses, Improving Fruit Quality

### Introduction:

Nutritech AminoPotasse 1010 contains amino acids and K<sub>2</sub>O.

### Technical Information:

	Content	
AminoPotasse 1010	K <sub>2</sub> O	Free Amino Acid
	10 %	10 %

**Nutritech AminoPotasse 1010** is a unique fertilizer produced by hydrolyzed amino acid-rich plant sources that can be used for foliar applications. **Nutritech AminoPotasse 1010** contains 10 % free amino acids and 10 % Potassium (K<sub>2</sub>O). It has a unique function due to containing a mixture of plant-source amino acids and it is applicable at different stages of plant growth. Tank mix with other fertilizers results in enhanced uptake of the fertilizers and improved fruit quality due to the special combination of the ingredients.

### Application Guide:

Crops	Time of Application	Application Rate
Fruits	Before flowering/ fruit development	2-3 Lit. /1000 Lit. Water
Greenhouses	Before flowering/ before fruit setting	
Vegetables	Before flowering/ before fruit setting	
Field Crops	Before flowering or tuberization / before fruit setting	
Cereals	Before stem elongation and filling stage	

\* In case needed; it can be repeated in 7-10 days

\* For the crops which are not included in the table, the product should be applied at the recommended application rate and at the peak growth stages.



## AminoPotasse 1010

### Features & Advantages:

- Boosting plant's physiology at critical growth stages such as flowering, fruit setting, and fruit development under environmental stresses such as drought, thermal stress, salinity, etc.
- Increasing crop resistance to salinity and other environmental stresses
- Improving flowering and fruit setting and reducing fruit drop
- Crop uniformity
- Better taste and marketability
- Increasing nutrient uptake

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with Calcium products, Sulphur and mineral oils and shall not be mixed with the mentioned materials.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time.



# Humic Acid 123

Guaranteed content (w/w):

Humic Acid: **12%**  
 K<sub>2</sub>O: **3%**  
 Fulvic Acid: **1%**

**Physical Appearance:**  
Soluble Liquid

Suitable for:

- Fruits
- Field Crops
- Cereals
- Vegetables
- Greenhouses

 Drip Application	 Early Stages
 Shake well	<b>5,10</b> liter

Registration No: **47474**

Producer: **Bazargankala. Co.**

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## Improving Soil Fertility, Increasing Absorption, Enriching Microbial Activity

### Introduction:

**Humic Acid 123** includes humic acid, potassium and fulvic acid which can increase soil fertility. It can improve the physical, chemical and biological characteristics of soil and makes it suitable for better root growth and as a result, the plant has better establishment and better growth. This product maintains acceptable stability in soils which is mainly due to good raw material and advanced technology in production.

### Technical Information:

Content			
Humic Acid 123	Humic Acid	K <sub>2</sub> O	Fulvic Acid
	12 %	3 %	1 %

#### - Improving:

- Water holding capacity (WHC)
- Soil structure and aeration
- Cation exchange capacity (CEC)
- Element absorption
- Root system and germination
- Activity and population of microorganisms
- Reducing the effects of stresses; such as salinity, drought ...
- Faster plant establishment after transplanting

### Application Guide:

Cultivation	Time of Application	Application Rate (Lit. /ha)
Fruit trees	Before Flowering (Repeat 3-4 time during the season)	10 Lit. /ha
Field Crops & Cereals	1st or 2nd Irrigation (Repeat During the season)	10 Lit. /ha
Vegetable & Greenhouse Crops	1st irrigation (Repeat 3-4 time during the season)	5-10 Lit. /ha
Transplantation	Root Dipping at 1% solution for 2-5 seconds	
Seed treatment	1-1.5 Lit. /100 kg of seeds (First, mix this amount of fertilizer with some adequate water to cover all seeds and dry in shadow and cool weather)	



# Humic Acid 123

## Features & Advantages:

- **Humic Acid 123** is extracted from Leonardite mines, it contains Macromolecules that increase element absorption in plants.
- **Humic Acid 123** is the main part of “humus” which is a biostimulant and soil improver.
- The raw material quality and advanced technology in production are the distinctive features of this fertilizer.

## Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is **NOT** miscible with Calcium products, Sulphur and mineral oils and shall not be mixed with the mentioned materials.
- The product shall be kept in 5-30 degrees centigrade and also **NOT** under the direct sunlight and away from flammable materials.



## Soil Booster 510

Guaranteed content (w/w):

Free Amino Acid:	5%
Organic Carbon:	10%
Organic Matter:	25%
Protein:	10%
Total Nitrogen:	8%
Organic Nitrogen:	8%

**Physical Appearance:**  
Liquid

**Suitable for:**

- Fruits**
- Field Crops**
- Vegetables**
- Greenhouses**

<b>Fertigation</b>	<b>Soil Improver</b>
<b>Shake well</b>	<b>5,10 liter</b>

**Registration No: 74096**

**Producer: Bazargankala Co.**

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## Amino Acids with Organic Matter | Better Resistance to Environmental Stresses; Better Rooting, Better Absorption of Other Soil Nutrients

### Introduction:

**Nutritech Soil Booster 510** is a fertilizer containing free amino acids and organic material to help plants grow better; it works both as soil enhancer and plant growth stimulator.

### Technical Information:

Content						
Soil Booster 510	Free Amino acid	Organic Carbon	Organic matter	Protein	Total N	Organic N
	5 %	10 %	25 %	10 %	8 %	8 %

**Nutritech Soil Booster 510** is a natural-origin fertilizer which is produced through hydrolysis of plant-based raw materials aimed for fertigation (irrigation). This fertilizer is composed of different peptides and amino acids which will retain its effect during whole growth season.

Since it contains different useful amino acids it can be used in different growth stages for different purposes; it will also help the plants save energy for some more crucial physiological processes and will result in more harmonized growth between roots and aerial parts of plants.

### Application Guide:

Cultivation	Time of Application	Application Rate
Fruit trees	Start after fruit setting and repeat 1-2 times during the fruit development stage	<b>10 liters / hectare / application</b>
Field Crops	Start with the 1 <sup>st</sup> or 2 <sup>nd</sup> irrigation after planting. Repeat during the fruit development stage	
Cereals	Start with the 1 <sup>st</sup> or 2 <sup>nd</sup> irrigation after planting. Repeat during the season until flowering	
Greenhouse and Open Field Vegetables	Start with the 1 <sup>st</sup> or 2 <sup>nd</sup> irrigation after planting. Repeat during the fruit development stage	



# Soil Booster 510

## Features & Advantages:

- Help plants better regrow after stresses
- Better vegetative growth
- Better rooting and also better absorption of other materials and elements
- Help plants produce more uniformed fruits

## Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local and experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small-scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with calcium products, Acidic materials, sulphur and mineral oils and shall not be mixed with the mentioned materials.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.



## Salt Gone 1303

Guaranteed Content (w/w):

Complexed Calcim: **13%**

Total Amino Acid: **3%**

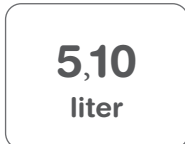
Free Amino Acid: **1%**

Organic Matter: **13%**

**Physical Appearance:**  
Soluble Liquid

Suitable for:

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **31935**

Producer: Bazargankala Co.

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## A Product to Reduce Salinity Side-effects in Soils | Providing Calcium and Helping Roots to Develop

### Introduction:

Nutritech Salt Gone 1303 is a product contacting complexed calcium plus amino acids and organic matter.

### Technical Information:

Content				
Nutritech Salt Gone 1303	Complexed Calcium	Total Amino Acids	Free Amino Acids	Organic Matter
	13 %	3 %	1 %	13 %

Nutritech Salt Gone 1303 is a product containing complexed calcium plus amino acids and organic matter which is designed to improve soil quality and plant growth. This product is quite helpful and alleviate the salinity effect in saline and saline- sodic soils; on the other hand, as it has acceptable amount of complexed calcium, it can be used as a calcium source to provide this essential element to plants.

### Application Guide: Foliar Application

Crops	Time of Application	Application Rate
Fruit Trees	Start from the beginning of the season (repeat as needed)	10-20 Liters per Ha.
Field Crops		
Vegetables		
Greenhouses		2-3 liters per 1000 sqm

### Features & Advantages:

- Helping plants grow better in saline soils
- Better rooting
- Providing Calcium
- Enhancing soils "Cation Exchange Capacity" (CEC)
- Providing soils with organic matter
- Reducing pH in rhizosphere
- Helping plants with better absorption



# Salt Gone 1303

## Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, Sulfur products and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- In case of using it in Irrigation, regular and sufficient irrigation water should be provided.
- The product should be applied in irrigation water, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.



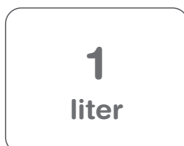
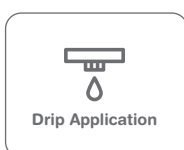
## Colour 501

Guaranteed content (w/w):  
Amino Acid **5%**

Physical Appearance:  
Soluble Liquid

Suitable for:

- Fruits
- Vegetables
- Field Crops
- Greenhouses



Registration No: **33386**

Producer: Bazargankala. Co.

## Containing Amino Acids | Enhancing Coloration, Enriching Taste, Improving Marketability

### Introduction:

Nutritech Colour 501 contains different amino acids which help early and deep coloration for different crops.

### Technical Information:

Content	Percent
Free Amino Acids	5%

Nutritech Colour 501 is a product rich in hydrolyzed amino acids which is derived from plant sources: it is most effective if used in foliar application; however it will result well in fertigation as well.

It is designed to make better coloration and taste in crops; especially in the crops in which the pigments are important such as apples, tomatoes, strawberries, peaches, etc. It induces early coloration in those crops especially when they have been under stress which can likely lead to delayed coloration.

This product can also increase the absorption and efficiency of other fertilizers.

### Application Guide:

Method of Application	Time of Application	Application Rate
Foliar Application	Before starting coloration	2-3/1000 Lit. of Water
Fertigation		10 Lit. /ha.

In case needed; it can be repeated in 7-10 days

### Features & Advantages:

- Better and faster coloration
- Better yield, especially in stressed situations (salinity, drought, thermal stress, etc.)
- Better quality such as taste, nutritional value, texture, ...
- Uniformity and earliness



## Colour 501

### Cautions & Disclaimers:

- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with Calcium products, Sulphur and mineral oils and shall not be mixed with the mentioned materials.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time.



**Potassium Phosphite 2724**

Guaranteed Content (w/w):

$P_2O_5$  **27%**  
 $K_2O$  **24%**

**Physical Appearance:**  
 Liquid/ L

**Suitable for:**

- Fruits**
- Field Crops**
- Vegetables**
- Greenhouses**
- Ornamental flowers**

 Foliar Application	 Crop Resistance
 Fertigation	<b>1</b> liter

Registration No: **04574**

Producer: **Bazargankala Co.**

## Supplying Phosphorus and Potassium | Increasing Crop Resistance

### Introduction:

“Nutritech Potassium Phosphite 2724” contains potassium and phosphorus in the form of phosphite, it increases crop resistance to diseases and environmental stresses. This fertilizer reduces flower and fruit drop, and also enhances quality and coloring of fruits. When the plant is exposed to diseases or environmental stress, some substances are naturally secreted in the plant (phytoalexins) that increase the resistance of the plant; use of "Nutritech Potassium Phosphite 2724" boosts the production of phytoalexins, so, consequently strengthens plant's immune system.

### Technical Information:

Content			
Potassium Phosphite 2724		$P_2O_5$	$K_2O$
	w/w	27%	24%
	w/v	40%	35%

The phosphorus in " Nutritech Potassium Phosphite 2724" is derived from phosphorous acid (Phosphonic acid -  $H_3PO_3$ ) origin, which is different from other phosphorus fertilizers that have phosphoric ( $H_3PO_4$ ) origin. The presence of phosphite in this fertilizer increases the absorption of phosphorus through leaves and roots and also facilitates the transfer of this element within plant.

### Application Guide: Foliar and Fertigation Application

Crops	Time of Application	Method	Application Rate
Fruits	Beginning of the growing season	Foliar	2-4 Lit /1000 L of water
		Fertigation	5-10 Lit/ha
Vegetables		Foliar	2-4 Lit /1000 L of water
		Fertigation	6-8 Lit/ha
Greenhouses		Foliar	2-3 Lit /1000 L of water
		Fertigation	0.5-1 Lit/1000 m <sup>2</sup>
Field Crops		Foliar	2-3 Lit /1000 L of water
		Fertigation	5-7 Lit/ha
Ornamental flowers	Foliar	1-2 Lit /1000 L of water	
	Fertigation	0.5-1 Lit/1000 m <sup>2</sup>	

\*repeat as needed every 10-15 days



## Potassium Phosphite 2724

### Features & Advantages:

- Increasing crop resistance to diseases and environmental stresses
- Developing the root system
- Reducing fruit drops and improvement of fruits uniformity.
- Improving quality, better and faster coloration
- Improving marketability

### Cautions & Disclaimers:

- Avoid mixing with copper compounds (this fertilizer can be applied 1-2 weeks after taking copper compounds)
- Do not mix with Calcium products, alkaline, highly acidic and sulfur derivatives.
- Should it be mixed with any other materials, jar test and small- scale application are highly recommended.
- The dosage and recommendations above are general. In order to be exact and most effective, soil and tissue analysis should be considered and also consultation of local experienced agronomists is highly recommended.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with alkaline solutions, sulfur products highly acidic and pesticides and shall not be mixed with the mentioned products.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be directly applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.

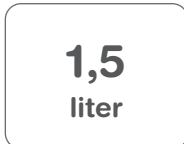
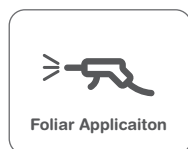


# Foliar Soap 101

 **Physical Appearance:**  
Soluble Liquid/ SL

**Suitable for:**

-  **Fruits**
-  **Field Crops**
-  **Greenhouses**
-  **Vegetables**



**Producer: Bazargankala Co.**

## Wetting and spreading agent | Better efficiency of spraying

### Introduction:

“ **Nutritech Foliar Soap 101** ” increases the plant’s freshness and photosynthesis by washing the leaves and other parts of plants surface, and finally leads to better crop quantity and quality.

### Technical Information:

“ **Nutritech Foliar Soap 101** ” is an ionic compound that reduces the surface tension of the droplets, causing better wetting and distribution of pesticides and fertilizers on the leaves and other parts of plants and enhancing efficiency.

### Application Guide: Foliar Application

Crops	Type of application	Application Rate (Per 1000 L. Water)
Various Crops	Mix with pesticides and foliar fertilizers	1
	Washing the plant and reducing pests’ population	2

### Features & Advantages:

- Better efficiency of applied fertilizers and pesticides through better stickiness and uniform coverage on the plant
- Preventing burning by moderating light convergence of droplets
- Reducing pests’ population
- Increasing plant freshness and photosynthesis by washing and clearing leaf surfaces
- Reducing drift in foliar application



# Foliar Soap 101

## Cautions & Disclaimers:

- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- Foliar application shall be applied in the coolest time of the day during the day time
- Fill your spray tank with water halfway before adding fertilizers or pesticides, then add “Foliar Soap 101” and then increase the water volume, spray after obtaining a uniform solution
- The mentioned dosage and recommendations are general. In order to be exact and most effective, consultation of local experienced agronomists is highly recommended.
- Avoid consuming it directly without diluting in water, according to the instructions.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Shake well before application and during application use gloves and goggles.
- Use acceptable quality of water for foliar application.



# Surfactant 301

**Physical Appearance:**  
Soluble Liquid/ SL

**Suitable for:**

- Fruits**
- Field Crops**
- Greenhouses**
- Vegetables**

<b>Foliar Application</b>	<b>Spreading Agent</b>
<b>Shake Well</b>	<b>1 liter</b>

**Producer: Bazargankala Co.**

## Wetting and spreading agent | better efficiency of spraying

### Introduction:

“ **Nutritech Surfactant 301** ” is a non-ionic compound that reduces the surface tension of the solution droplets, causing better distribution of pesticide and fertilizer particles on the leaves and other parts of plants which leads to better performance of applied pesticides and fertilizers.

### Technical Information:

This surfactant has spreading, sticking and washing properties and also has a very low tendency to interact with other compounds due to its non-ionic property; therefore, it can be mixed with most pesticides and foliar fertilizers at the recommended dosages.

### Application Guide: Foliar Application

Crops	Type of application	Application Rate (Per 1000 L. Water)
Various Crops	Mix with pesticides and foliar fertilizers	0.25

### Features & Advantages:

- Increasing absorption of applied compounds into the plants, and pests' bodies by facilitating cuticle uptake
- Better stickiness and uniformed distribution.
- Preventing burning by moderating light convergence of droplets
- Reducing pests' population
- Increasing plant freshness and photosynthesis by washing and clearing leaf surfaces



# Surfactant 301

## Cautions & Disclaimers:

- To avoid any misuses, jar test and small- scale testing is recommended before main application.
- Foliar application shall be applied in the coolest time of the day during the day time
- Fill your spray tank with water halfway before adding fertilizers or pesticides, then add “Surfactant 301” and then increase the water volume, spray after obtaining a uniform solution.
- The mentioned dosage and recommendations are general. In order to be exact and most effective, consultation of local experienced agronomists is highly recommended.
- Avoid consuming it directly without diluting in water, according to the instructions.
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Shake well before application and during application use gloves and goggles.
- Use acceptable quality of water for foliar application.



# Petroleum Oil 80

Content (w/w):

Paraffin: 80%

Inert ingredients: 20%

Unsulfonated Residues (UR): 92%

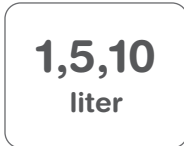
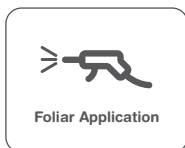
**Physical Appearance:**  
Liquid

**Suitable for:**

Pistachio

Citrus

...



**Registration No:**  
**13130/730-271**

**Producer: Bazargankala Co.**

**“Emulsifiable Petroleum Oil” for Foliar Application on Trees | Controlling Pests (Mealybugs, Mites, Scale insects, etc.) Helping Trees to Awaken in The Right Time.**

**Introduction:**

**Emulsifiable Petroleum Oil** is to help control different pests; this product can be used mainly for winter application but also spring and summer application as an adjuvant is well recommended.

**Technical Information:**

Content		
Petroleum Oil 80	Paraffin	Inert ingredients
	80 %	20 %

Using this product is one of the widespread remedies as preventive measures to control pests before starting the season. This product will cover the pests and plants and affects the respiration of the insects (in any stages of reproduction); therefore, the population of pests does not increase and heavy application of chemicals will not be needed during the season.

The other use of this product is to help trees awaken in the spring in the right time. Climate changes, cold and heat stresses, etc. affect plants in a way that many trees may not receive the needed amount of “chilling requirements”; Thus, by application of this product in the right time, we will help plants awaken and start normal course of growth and yield properly with good quality.

Contrary to many usual pesticides which are harmful to the environment, human health and many other useful insects, this product is harmless to the environment and will be degraded gradually in the nature.



# Petroleum Oil 80

## Application Guide:

Cultivation	Pest	Application Rate
Temperate Trees	Mites, Pear Psylla, Mealybugs, Scale insects	1.5 % in winter before bud swelling
Citrus	Mealybugs, Scale insects and Citrus mites	1 % in early spring by consulting experts
Olive	Mealybugs, Scale insects	1 % in early spring by consulting experts
Forest trees and non-bearing trees	Scale insects	1 % in early spring mixed with one of recommended pesticide by agricultural authorities
Pistachio	Scale insects	1-1.5 % in winter before bud swelling by consulting experts
Tea	Mealybugs, Mites	0.5 - 1% in early spring, by consulting experts
Dates	Scale insects, Mealybugs	1 - 1.5 % in early spring by consulting experts

## Features & Advantages:

- Extending the effective time of tank mixed pesticides
- Reducing the population of pests in the early season
- Reducing the use of other pesticides
- Harmless to the environment
- Helping the trees start the season in time

## Cautions & Disclaimers:

- Use it after the peak of the cold time in winter
- Use good quality water
- Irrigate the trees before spraying (for spring and summer use)
- Rain fastness is 72 hrs.
- Agitate the tank while spraying
- In stress times, application of this product may harm the plants
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- This product is NOT miscible with sulphur and also with "Captan" fungicide. (there must be one-month time between the application of this material and other sulphur materials)
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.



## Bordeaux Mixture

Guaranteed Content (w/w):

Neutralized copper sulfate: **20%**

**Physical Appearance:**  
SC

Suitable for:

**Fruits**  
 **Greenhouse cucumber**  
 **Peach**



Registration No:  
**13555/730 - 271**

Producer: Bazargankala Co.

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## Protective fungicide and bactericide | Contact-inorganic compounds

### Introduction:

“**Nutritech Bordeaux Mixture**” 20% suspension is one of the most important inorganic fungicides with contact- protective effect. This compound is registered on various plant diseases and provides long-term protection for plants. Bordeaux mixture has several mode of actions, by creating new chemical bonds in target organism, namely it breaks down proteins, disrupts the enzymes’ function, disrupts vital cell processes such as respiration, and reduces the activity of cell membranes, so eventually, it leads to the pathogen death. The combination of mentioned features lowers the resistance probability of pathogens to this mixture.

### Technical Information:

Content	
<b>Bordeaux Mixture</b>	Neutralized copper sulfate
	20 % (w/w)

“**Bordeaux mixture**” accumulates in sensitive fungi easily by gradually releasing copper ions ( $\text{Cu}^{2+}$ ). This cation is complexed with enzymes which have sulfhydryl, hydroxyl, amino or carboxyl groups and inactivates them. Finally, it disrupts pathogen metabolism.

### Application Guide: Foliar Application

Crops	Time of Application	Rate	Description
Fruits	<i>Wilsonomyces carpophilus</i>	9/1000	-
Temperate zone fruits	<i>Cytospora</i> spp.	2 %	Foliar application can be accompanied by topical treatment of 8% solution
Greenhouses Cucumber	<i>Pseudoperonospora cubensis</i>	5/1000	-
Peach	<i>Taphrina deformans</i>	5-8/1000	Two times: First application: leaf drop in fall Second application: buds swelling in spring



## Bordeaux mixture

### Features & Advantages:

- Composition uniformity of the solution.
- Increasing in stickiness and efficiency
- Durability of the solution
- Several mode of action which lead to delayed resistance.
- Long lasting

### Cautions & Disclaimers:

- It can be mixed with emulsifying oil for winter spraying, but do not mix with other pesticides and compounds
- The sprayer tank should be equipped with a suitable stirring system to prevent suspension silting.
- This fungicide should be prepared at the time of consumption; if the seal is opened, the storage time of the compound is reduced and it should be consumed in a short time.
- Safe for bees but harmful to fish and other aquatic organisms.
- Harmful to livestock; keep livestock and poultry away before spraying and prevent grazing in freshly sprayed areas.
- Avoid eating Bordeaux, keep it away from animal feed, human food, skin, eye and clothing contact; do not inhale of soluble particles
- Avoid smoking, eating and drinking when spraying
- Avoid reusing containers containing Bordeaux. Empty containers and packages should be stored away from water sources and empty containers and packages should be disposed of in accordance with relevant regulations
- The liability of the producer is limited to the guaranteed content and physical characteristics as claimed; the producer shall not be liable for anything out of its control.
- The product shall be kept in 5-30 degrees centigrade and also NOT under the direct sunlight and away from flammable materials.
- Foliar application shall be applied in the coolest time of the day during the day time (early morning or near sunset).
- The product should be applied as foliar mixture, so undiluted use of it is prohibited.
- Use acceptable quality of water for foliar application.
- Shake well before application and during application use gloves and goggles.

Scan For more  
Information

