شـركـة المـعـايير الـصـنـاعية
Industrial Standards Company

Your trust is our future

Agro Standards

BIO ORGANIC

شـركـة المـعـايير الـصـنـاعية
Industrial Standards Company

Chairman
of Board of Directors

Sultan Al Qathami

The Kingdom of Saudi Arabia, the cradle of Islam, deserves to be one of the industrial tigers in the Middle East to achieve development at a level that befits its global position, and therefore it is imperative to reach high growth rates and successful hard work on all economic axes, and that is why the Industrial Standards Company aimed to expand the replacement of all fertilizers and chemical pesticides that are carried out. It also aimed to expand the production of fertilizers and pesticides used in organic agriculture using modern global technologies and the use of specialized experts to contribute to meeting the needs of agriculture and reducing the gap between local production and import.

Contents

شـركـة المـعـايير الـصـنـاعية
Industrial Standards Company

- **Industrial Standards Company, working in trading and marketing of fertilizers and pesticides since 2001.**

- **Industrial Standards Company was established in 2015 in partnership with Saudi Aramco. The project was incubated by the Badir Program - King Abdulaziz City for Science and Technology. Our goal is:**
  - Expanding the replacement of all fertilizers and chemical pesticides that are imported with local products with high efficiency and competitive price
  - Replacement of fertilizers and pesticides used in agriculture with organic fertilizers and pesticides

- **ISC started in 2018, using the expertise of research centers and reputable companies with long experience in the field of manufacturing fertilizers, agricultural fertilizers and organic pesticides.**
  - Saudi Society for Organic Agriculture
  - The National Research Center of the Arab Republic of Egypt
  - College of Agricultural Sciences in Shandong, China

أرامكو السعودية
saudi aramco
entrepreneurship

مدينة الملك عبدالعزيز
للعلوم والتقنية KACST

بادر
برنامج بادر لحاضنات التقنية
Badir Program for Technology Incubators

SOFA
الجمعية السعودية للزراعة العضوية
Saudi Organic Fatming Association

- **I.S.C. worked to reach its goals in the most accurate and efficient ways, through:**

A highly experienced technical staff in the implementation of projects, where professional team prepared the implementation plan for the purpose of:

1. Providing the latest manufacturing technology (Fully Automated Control Production Technology)

   Implementing an integrated quality control system and providing the latest analysis equipment
2. Implementing an integrated quality control system and providing the latest analysis equipment
3. Achieving the highest levels of safety by providing prevention missions and distinguished training from specialized agencies and ensuring the implementation of industrial safety and environmental compliance instructions
4. Research and development to provide the latest and best products through a distinguished team of researchers and engineers

Production lines





1) Fertilizer production and packaging unit with a production capacity:

- Production of 10 thousand tons of powder fertilizers per year
- Production of 3 thousand tons of granulated fertilizers per year

Technical specifications:

Production and packing of 5 tons per hour of various types of powdered and granular fertilizers with the following specifications:

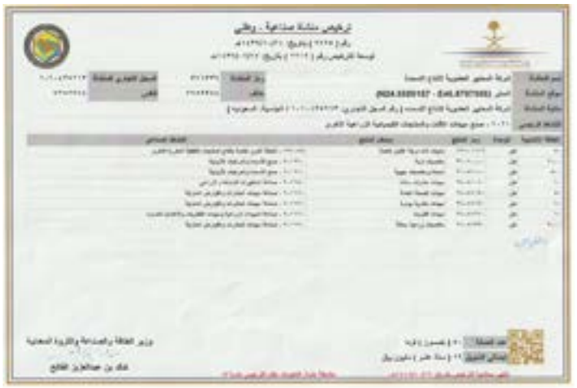
- Powder is completely homogeneous and each gram contains the same proportions of the elements
- No lumps during storage
- All production and packing lines are electronically controlled
- Packing with all packages and weights
- Fully environmentally compatible

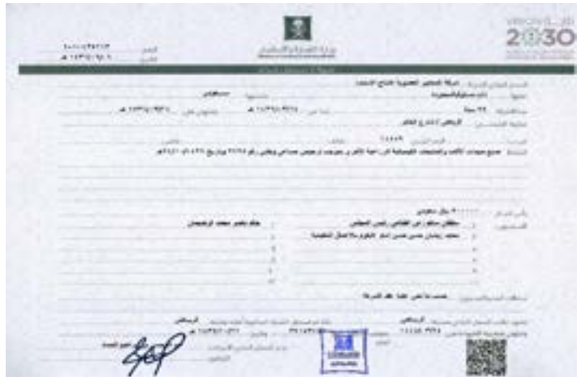
2) Liquid and suspended fertilizer production and filling unit:

- Production and packaging of 3-2 tons per hour of liquid and suspended agricultural fertilizers with the following specifications:
- Packing with all packages and weights
- No risks in any proportions during production or transportation of raw materials
- Fully environmentally compatible

I.S.C. has approved all factory licenses for the following activities:

- Production of fertilizers, soil fertilizers, powders and granules
- Liquid Fertilizer Production
- Bio fertilizer production
- Insecticides Production (liquid
- Agricultural fungicides Production (liquid)
- Agricultural pesticides Production (powders)
- Public health pesticide production
- Rodenticide production
- Disinfectant production





شـركـة المـعـايير الـصـنـاعية
Industrial Standards Company

Our products

BIO ORGANIC

FOR

ORGANIC AGRICULTURE

Agro Standards

FOR

CONVENTIONAL AGRICULTURE

Agro Standards

AGRO STANDARDS FERTILIZERS FOR CONVENTIONAL AGRICULTURES

AGRO STANDARDS FERTILIZERS

- COMPOUND FERTILIZERS FOR THE MAIN NUTRIENTS
- LIQUID FERTILIZERS SOLUBLE IN WATER
- WATER-SOLUBLE SUSPENDED FERTILIZER
- MICRONUTRIENT FERTILIZERS
- SPECIALIZED FERTILIZERS & SOIL IMPROVERS

Agro Standards

FERTILE

NPK20-20-20+T.E.

Balanced compound fertilizer with trace element for all growth stages

Components:

Nitrogen	Phosphorous	Potassium	Zinc	Boron	Manganese	Iron	Copper
20%	20%	20%	100 ppm	80 ppm	100 ppm	200 ppm	20 ppm

Features and Advantages

- Balanced composition allows it to be used for all stages of the plants life from germination to fruiting and harvesting
- It is used with modern irrigation methods. It is also used as a spray on plants for a balanced fertilization to supply the plant with the elements nitrogen, phosphorous and potassium and supported by microelements.
- It is used in the stages in which the growth of plants requires large quantities of the three elements (nitrogen, phosphorous and potassium), especially in the stages of discharge and elongation, and therefore it is the most suitable type of fertilizer for use in the direction of vegetables

Storage and Warnings

- The fertilizer is stored in a dry, well-ventilated place, away from direct sunlight
- Product is stored away from food and feed and out of reach of children
- The producing company and the agent are not responsible for improper storage and misuse

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities

Usages:

Crop	Usage Rate	Time Of Use
Peppers - beans - tomatoes - cucumbers - peas - strawberries - zucchini – watermelon	200-150 gm/100L	After appearance of 6–4 leaves and then repeat 4 times with a difference of 10 days
Potatoes- onion	200-150 gm/100L	The first treatment is in the vegetative growth stage, then the treatment is repeated 4-3 times at the beginning of tuber formation
Peach - apple - pear – apricot	150-100 gm/100L	The first treatment after fruit setting , then the treatment is repeated 3-4 times, with an interval of 15 days

FERTILE

NPK06-06-43T.E.

High Potassium Compound Fertilizer

Components:

Nitrogen	Phosphorous	Potassium	Zinc	Boron	Manganese	Iron	Copper
6%	6%	43%	100 ppm	80 ppm	100 ppm	200 ppm	20 ppm

Features and Advantages

- Completely water soluble fertilizer for foliar fertilization and the fertilization solution is acidic
- Valid for use in the post-decade stage until the maturity of the crop
- It contains potassium nitrate, which is one of the best and most effective forms of potassium
- Installing knots in large proportions, which increases the proportion of flowers
- Increasing the rate of protein and starch formation in cereals, potato tubers and potatoes
- Increasing the rate of sugar formation in fruit crops, sugar beet and sugar cane
- Increasing the rate of oil formation for oil crops

Storage and Warnings

- The fertilizer is stored in a dry, well-ventilated place, away from direct sunlight
- Compost is stored away from food and feed and out of reach of children
- The producing company and the agent are not responsible for improper storage and misuse

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities

Usages:

Crop	Usage Rate	Time Of Use
Fruit trees (apples, mangoes, grapes, citrus, etc.)	From 8-6 kg	The first treatment is during the formation of vegetative growths and is repeated after 5-4 times
Vegetables (potato - tomatoes - cucumbers - onions - garlic)	From 7-5 kg	The first treatment is when 7-6 leaves are formed, then it is repeated after 5-3 times, with a difference of 10 days
Field crops (wheat - rice - barley - etc.)	From 7-5 kg	The first time at the vegetative growth stage, then repeat 4-3 times with the formation of tubers

COMPOUND FERTILIZERS FOR THE MAIN NUTRIENTS

FERTILE

NPK 12 – 12 – 36 – T. E.

High potassium compound fertilizer with Trace Element

Components:

Nitrogen	Phosphorous	Potassium	Zinc	Boron	Manganese	Iron	Copper
12%	12%	36%	100 ppm	80 ppm	100 ppm	200 ppm	20 ppm

Features and Advantages

- Completely soluble fertilizer in water for foliar fertilization and acid fertilization solution.
- Valid for use in the post-decade stage until the maturity of the crop
- It contains potassium nitrate, which is one of the best and most effective forms of potassium.
- Installing knots by a large percentage, which increases the proportion of flowering.
- Increasing the rate of protein and starch formation in cereals, potato tubers and potatoes.
- Increasing the rate of sugar formation in fruit crops, sugar beets and sugar cane.
- Increasing the rate of oil formation for oil crops

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- Store the manure away from food and feed and out of the reach of children.
- The manufacturer and the agent are not responsible for improper storage and misuse.

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities

Usages and Quantities:

Crop	Usage Rate	Time Of Use
Fruit trees, apples, mangoes...etc.	From 6 to 8 kg	The first treatment is during the formation of vegetative growths and is repeated after the contract 5-4 times
Vegetables Potatoes-tomatoes-cucumbers-onions-garlic	From 5 to 7	The first treatment when 7-6 sheets are formed, then the treatment is repeated 305 times, with a difference of 10 days
Field crops: wheat, rice, barley... etc.	From 5 to 7 kg	Spraying is done before flowering, then spraying is repeated 3 times with a difference of 10 days

COMPOUND FERTILIZERS FOR THE MAIN NUTRIENTS

FERTILE

NPK 10 – 52 – 10 – T. E.

High phosphorous compound fertilizer with Trace Element

Components:

Nitrogen	Phosphorous	Potassium	Zinc	Boron	Manganese	Iron	Copper
10%	52%	10%	100 ppm	80 ppm	100 ppm	200 ppm	20 ppm

Features and Advantages

- Contains large levels of phosphorous necessary for growth The root system is in the germination stage.
- Completely safe as salinity does not increase during germination.
- It is used in greenhouses when high concentrations of phosphorous are needed.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- Store the manure away from food and feed and out of the reach of children.
- The manufacturer and the agent are not responsible for improper storage and misuse.

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities.

Usages and Quantities:

Crop	Usage Rate	Time Of Use
Fruit trees	From 3 to 5 kg per hectare	From the beginning of flowering until the completion of the fruits
vegetables	From 5 to 8 kg per hectare	From the beginning of flowering until the completion of the fruits
field crops	From 3 to 5 kg per hectare	From the beginning of flowering until the completion of the fruits

COMPOUND FERTILIZERS FOR THE MAIN NUTRIENTS

MEGAPHOS

NPK 20 – 55 – 5 + Mg+T. E.

High phosphorous and potassium compound fertilizer fortified with magnesium and microelements

Components:

Nitrogen	phosphorous	potassium	Magnesium	iron	zinc	manganese	copper	Boron
05%	55%	20%	01%	1000 ppm	1000 ppm	1000 ppm	500 ppm	500 ppm

Features and Advantages

- It contains high levels of phosphorous, which stimulates root growth and strengthens the root system, thus making the most of the nutrients in the soil.
- It contains a group of major nutrients in appropriate quantities, thus ensuring an integrated food for the plant. It also contains Trace Elementand magnesium.
- It works to encourage the flowering process and increase the contract in the plant
- Significantly increases growth and encourages the potato crop to form a larger number of tubers
- It is used in greenhouses when high concentrations of phosphorus are needed
- It works to increase the vegetative, root and flower growth of the plant.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- Store the manure away from food and feed and out of the reach of children.
- The manufacturer and the agent are not responsible for improper storage and misuse.

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities.

Usages and Quantities:

Crop	Usage Rate	Time Of Use
Fruit trees - palms - olives	200 - 100 g per tree according to age	Before flowering and during the decade and fruiting stages
vegetables (greenhouses)	2-1 kg/1000 m²	During the stages of growth of the root system, before flowering, during the decade and fruiting
Vegetables (open plantings)	10-8 kg/ha	During the stages of growth of the root system, before flowering, during the decade and fruiting
Cereal crops (wheat - rice - barley)	25-15 kg/ha	Before the stage of expulsion of the ears and during the stage of grain growth
Alfalfa and fodder	20-15 kg/ha	After stuffing and repeats

LIQUID FERTILIZERS SOLUBLE IN WATER

AMINO CAL MAG

Fertilizer containing calcium and magnesium and fortified with: fulvic - lignin - amino acids - organic acids - trace elements

Components:

Nitrogen	Calcium	Magnesium	humic acid	Amino acids	citric acid	lignin
15%	19%	3%	5%	5 %	5 %	5 %

Boron	Manganese chelate on Edita	Zinc Claw on Edita	Iron Claw on Edita	Copper Claw on Edita	molybdenum
750 ppm	1500 ppm	500 ppm	750 ppm	650 ppm	10 ppm

Features and Advantages

- A liquid concentrate fertilizer that contains calcium, magnesium and lignin to form a strong cell wall and to increase the solid matter
- Increases the greenness of leaves and flowers and to improve the quality and size of the fruits.
- Reduces plant susceptibility to disease and increases its resistance
- Prevents rotting of the edges of the flower (Nawara) in tomatoes and peppers
- Prevents burning of the ends in lettuce and cabbage and wrinkling of the leaves of the plant.
- It is absorbed by the leaves and roots so it can be used in all different irrigation systems
- Contains amino acids, folic and organic acids that reduce pH and increase the organic content of the soil

Storage and Warnings

- Keep in its original packaging in a well-ventilated and humid place.
- When it comes into contact with the eyes or hands, it should be washed with soap and water more than once and then consult a doctor if necessary.

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities.

Usages and Quantities:

Crop	Usage Rate	Time Of Use
Feed, alfalfa and barley	6-4 LL	At the beginning of growth, it is repeated 3-2 times, with a difference of 51 days
Field crops and vegetables	6-4 LL	At the beginning of growth, it is repeated 3-2 times, with a difference of 51 days
Tuberous crops such as onions and potatoes	5-3 LL	When the leaves are complete and until the fruiting or the formation of tubers, a difference of 15 days
Fruit and olive trees	8-6 LL	At the beginning of fruiting

LIQUID FERTILIZERS SOLUBLE IN WATER

CAL MAG PULSE

Calcium Magnesium enriched with lignin writes organic lubricants and microelements

Components:

Nitrogen	Calcium	Magnesium	Amino Acids	Lignin
15%	19%	3%	5 %	5 %

Boron	Manganese Chelate On Edita	Zinc Claw On Edita	Iron Claw On Edita	Copper Claw On Edita	Molybdenum
750 ppm	1500 ppm	500 ppm	750 ppm	600 ppm	10 ppm

Features and Advantages

- A liquid concentrate fertilizer that contains calcium, magnesium and lignin to form a strong cell wall and to increase the solid matter
- Increases the greenness of leaves and flowers and to improve the quality and size of the fruits.
- Reduces plant susceptibility to disease and increases its resistance
- Prevents rotting of the edges of the flower (Nawara) in tomatoes and peppers
- Prevents burning of the ends in lettuce and cabbage and wrinkling of the leaves of the plant.
- It is absorbed by the leaves and roots so it can be used in all different irrigation systems
- It contains organic acids, which lowers the pH of the soil

Storage and Warnings

- Keep in its original packaging in a well-ventilated and humid place.
- When it comes into contact with the eyes or hands, it should be washed with soap and water more than once and then consult a doctor if necessary.

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities.

Usages and Quantities:

Crop	Usage Rate	Time Of Use
Feed, alfalfa and barley	6-4 L/Hectare	At the beginning of growth, it is repeated 3-2 times, with a difference of 51 days
Field crops and vegetables	6-5 L/Hectare	At the beginning of growth, it is repeated 3-2 times, with a difference of 51 days
Tuberous crops such as onions and potatoes	5-3 L/Hectare	When the leaves are complete and until the fruiting or the formation of tubers, a difference of 15 days
Fruit and olive trees	8-6 L/Hectare	At the beginning of fruiting

LIQUID FERTILIZERS SOLUBLE IN WATER

ULTRA-CORRECT SOIL

Soil remover and soil improver

Components:

Nitrogen	Calcium	Magnesium	Humic acids	Free Amino Acids	Free Amino Acids
9 %	19 %	3%	5 %	5 %	5 %

Features and Advantages

- Contains calcium, which limits sodium absorption
- Provides the plant with calcium and magnesium
- Contains amino acids, which helps the plant to resist stress
- It works to aerate the soil and increase its organic content
- It contains a variety of organic acids, which lowers the pH of the soil and limits the proliferation of soil-harmful organisms

Storage and Warnings

- The compost is stored in a well-ventilated place away from direct sunlight
- Store compost out of food and feed and out of reach of children
- The manufacturer is not responsible for improper storage or misuse

Mixability

- Cannot mix with calcium or cooper containing fertilizers
- It is possible to mix with fertilizers and pesticides after doing experiments on small quantities.

Usages and Quantities:

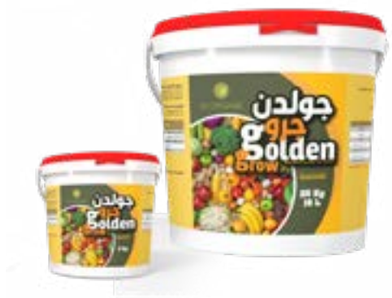
Crop	Usage Rate	Time Of Use
for field crops Fruit trees, olives and strawberries Vegetables, melons and potatoes	8-6 L/Hectare	After 21 days of planting and transplanting and repeated 3-2 weeks

WATER-SOLUBLE SUSPENDED FERTILIZER

GOLDEN GROW

NPK 12 – 61 – 2 + 2% Mg + T.E. + 10% O.M.

Suspension fertilizer with humic, citric, magnesium and microelements



Components:

Nitrogen	Nitrogen-Ammonium	Phosphorous Soluble In Water	Potassium Soluble In Water	Citric Acid
12%	12%	61%	2%	5%

Humic Acid	Magnesium	Iron	Zinc	Manganese	Copper
5%	2%	200 ppm	100 ppm	100 ppm	20 ppm

Fertilizer features

- Completely soluble fertilizer in water for foliar and ground fertilization.
- Increases flowering rate.
- Reduces the soil ph and helps facilitate nutrients.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium, copper or sulfur.
- It cannot be mixed with pesticides.

Usages and Quantities:

Foliar spray, 2-3 kg / 1000 liters of water / hectare

Land irrigation: 2-1.5 kg / 1000 liters of water / hectare

Crop	Land Irrigation Kg/ 1000 Liters Of Water/ Hectare	Land Irrigation Kg/ 1000 Liters Of Water/ Hectare
Field crops (wheat - rice – barley)	7-9	7-9
Vegetable plants (potatoes - tomatoes - cucumbers - onions - garlic)	5-8	5-8
Fruit trees (apples, mangoes, grapes, citrus fruits ... Etc.)	5-8	5-10
Greenhouses	500-800 grams per 1000 square meters	
Decoration plants	500-800 grams per 1000 square meters	

WATER-SOLUBLE SUSPENDED FERTILIZER

GOLDEN KEY

NPK 22 – 22 – 22 + 2% Mg + T.E. + 10% O.M.

Suspension fertilizer with humic, citric, magnesium and microelements

Components:

Nitrogen	Phosphorous Soluble In Water	Phosphorous Soluble In Water	Citric Acid	Humic Acid
22%	22%	22%	5%	5%

Magnesium	Iron	Zinc	Manganese	Copper
2%	200 ppm	100 ppm	100 ppm	20 ppm

Fertilizer features

- Its balanced composition allows it to be used at all stages of the plants life, from germination to the stage of fruiting and harvesting.
- It is used with modern irrigation methods. It is also used as a spray on plants for a balanced fertilization to supply the plant with nitrogen, phosphorous and potassium and supported with microelements.
- It is used in the stages in which the growth of plants needs large quantities of the three elements: nitrogen, phosphorous and potassium, especially in the stages of discharge and elongation. Therefore, it is the most suitable type of fertilizer for use in the vegetable substrate.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium, copper or sulfur.
- It cannot be mixed with pesticides.

Usages and Quantities:

Foliar spray, 2.5-2 kg / 1000 liters of water / hectare according to the age and need of the plant

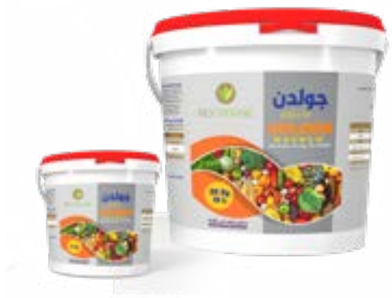
Crop	Land Irrigation Kg/ 1000 Liters Of Water/ Hectare	Notes
Peppers - beans - tomatoes - cucumbers - peas - strawberries - zucchini - watermelon	7-9	When forming 6-5 leaves, then repeat 4 times 10 days apart
Potatoes - tomatoes - cucumbers - onions - garlic	5-8	The first time at the vegetative growth stage, then repeat 4-3 times with the formation of tubers
Fruit trees (apples, mangoes, grapes, citrus fruits)	5-8	The first time at the vegetative growth stage, then repeat 4-3 times with the formation of tubers
Greenhouses	500-800 grams per 1000 square meters	When forming 6-5 leaves, then repeat 4 times 10 days apart

WATER-SOLUBLE SUSPENDED FERTILIZER

GOLDEN MAGNUM

NPK 18 – 48 – 2 + 2% Mg + T.E. + 10% O.M.

Magnum suspension with humic, magnesium and microelements



Components:

Nitrogen	Nitrogen-Ammonium	Phosphorous Soluble In Water	Potassium Soluble In Water	Citric Acid
12%	12%	61%	2%	5%

Humic acid	Magnesium	Iron	Zinc	Manganese	Copper
5%	2%	200 ppm	100 ppm	100 ppm	20 ppm

Fertilizer features

- Completely soluble fertilizer in water for foliar and ground fertilization.
- Increases flowering rate.
- Reduces the soil ph and helps facilitate nutrients.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium, copper or sulfur.
- It cannot be mixed with pesticides.

Usages and Quantities:

Foliar spray, 2-3 kg / 1000 liters of water / hectare

Land irrigation: 2-1.5 kg / 1000 liters of water / hectare

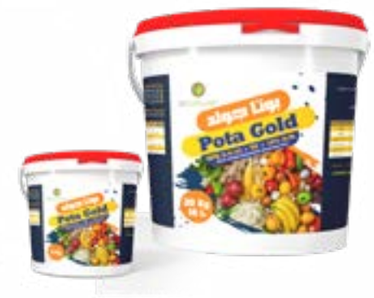
Crop	Land Irrigation Kg/ 1000 Liters Of Water/ Hectare	Timing Of Use
Field crops (wheat - rice – barley)	7-9	7-9
Vegetable plants (potatoes - tomatoes - cucumbers - onions - garlic)	5-8	5-8
Fruit trees (apples, mangoes, grapes, citrus fruits ... Etc.)	5-8	5-10
Greenhouses	500-800 grams per 1000 square meters	
Decoration plants	500-800 grams per 1000 square meters	

WATER-SOLUBLE SUSPENDED FERTILIZER

POTA GOLD

NPK 6 – 6 – 43 + 2% Mg + T.E. + 10% O.M.

Pota Gold contains potassium citrate with fulvic



Components:

Nitrogen	Nitrogen-Ammonium	Phosphorous Soluble In Water	Potassium	Citric Acid
6%	6%	6%	43%	5%

Humic acid	Iron	Zinc	Manganese	Copper
5%	200 ppm	100 ppm	100 ppm	20 ppm

Fertilizer features

- It increases the rate of protein and starch formation in grains and potato tubers.
- It increases the rate of sugar formation in fruit and sugar beet crops.
- It increases the rate of oil formation in oil crops such as olive trees.
- It increases the size of the fruits and the percentage of sugar and improves the color in fruit trees and grapes.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium, copper or sulfur.
- It cannot be mixed with pesticides.

Usages and Quantities:

It is used in all types of plants at the following suggested rates:

Crop	Dose	Timing of use
Crop Fruit trees: Apples, mangoes, grapes, citrus fruits ... Etc.	Foliar spray 3-2 kg / 1000 liters / hectare Land Irrigation 8-6 kg / 1000 liters of water hectares	4-2 times at the beginning of fruit growth
Olives		4-3 times at the beginning of fruit growth
Vegetable plants Potatoes - tomatoes - cucumbers - onions - garlic ... Etc.		5-3 times, 10 days apart in the fruiting stage
Field crops wheat - rice - barley.... Etc.		3 times, 15 days apart after the germination of the seeds
Legumes: beans - peas		Soak for 12 hours before planting

WATER-SOLUBLE SUSPENDED FERTILIZER

AGROFEED 100

NPK 00 – 52 – 43 + Mg + T.E. + 10% O.M.

Water Soluble Suspension fertilizer

Components:

Nitrogen	Phosphorous	Potassium	Magnesium	Total Organic Compounds	Humic Acid
25%	25%	18%	2%	20%	10%

Citric acid	Polysaccharides	Iron	Zinc	Manganese	Copper	Boron
5%	5%	1000 ppm	500 ppm	500 ppm	250 ppm	50 ppm

Fertilizer features

- Suspension fertilizer that contains all the nutrients required for excellent vegetative and root growth.
- Contains humic and citric acid, which improves soil specifications as it works to reduce the soil ph that suffer from high alkalinity.
- Improves the quality of vegetables and fodders.
- Provides the plant with major and minor elements and magnesium.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium, copper or sulfur
- It cannot be mixed with pesticides

Usages and Quantities:

Crop	Dose	Timing of use
Field crops (fodders - alfalfa - barley - corn)	Foliar fertilization 1 kg / 200 liters	At the beginning of vegetative growth and before flowering, taking into account the repetition according to the fertilization program
Vegetables (potatoes - tomatoes - cucumbers - onions - garlic ... Etc.)	Land fertilization 15-12 kg per hectare	
Fruit trees (bananas - mangoes - apples - citrus fruits)	Foliar fertilization 200-100 g per tree	Once a week and repeated as needed

WATER-SOLUBLE SUSPENDED FERTILIZER

CHALLENGER

NPK 00 – 52 – 43 + 2% Mg + T.E. + 10% O.M.

MKP suspension with humic, citric, magnesium and microelements

Components:

Phosphorous In Form Of P2o5	Potassium In The Form Of K2o	Magnesium	Sulfur	Citric Acid
52%	34%	1.5%	7%	5%

Fulvic Acid	Iron Chelate	Zinc Chelate	Manganese Che-late	Chelating Copper With Edita	Boron
5%	2000 ppm	1000 ppm	1500 ppm	100 ppm	100 ppm

Fertilizer features

- It contains a high percentage of phosphorous, which is an essential part of vital processes and energy building.
- It contains a high percentage of potassium to improve the quality of the fruits in terms of quantity, size and taste.
- It helps reduce soil PH, which leads to increased supply of nutrients

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers and pesticides.

Usages and Quantities:

Crop	Dose	Timing of use
Field crops and vegetables	Foliar Spray solution concentration %0.2-0.4 Drip Irrigation 8-6 kg per hectare	4-3 times according to the fertilization program
Fruit and olive trees		
Strawberry		
Grapes and citrus		

WATER-SOLUBLE SUSPENDED FERTILIZER

START GREEN 71

NPK 15 – 30 – 00 + 6% Mg + T.E. + 10% O.M.

Water Soluble suspension with humic, magnesium and microelements

Components:

Nitrogen	Phosphorus In The Form Of P2o5	Magnesium	Sulfur	Humic Acid
15%	30%	6%	10%	10%

Iron	Zinc	Manganese	Copper	Boron
1000 ppm	500 ppm	500 ppm	50 ppm	50 ppm

Fertilizer features

- High phosphorous suspension containing humic acid, completely soluble in water.
- It works to reduce the soil PH that suffers from high alkalinity. It also contains humic acid in a high concentration, which improves the specifications of the soil.
- It works to form an excellent root system.
- It provides the plant with Trace Element and magnesium.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Crop	Dose	Timing of use
Vegetables and fruits	Pivot sprinkler 8-5 liters / hectare	At the beginning of vegetative growth and before flowering, taking into account the repetition according to the fertilization program
Field crops, fodders, wheat, barley	Land drip irrigation 3-2 liters / 1000 liters of water	
Alfalfa after mowing	Foliar spray water 1.5 - 0.5 %	

WATER-SOLUBLE SUSPENDED FERTILIZER

FRUITY PLUS

NPK 12 – 12 – 44 + T.E. + 10% O.M.

Fruity plus contains potassium citrate with fulvic, citric, algae extracts and cytokinin

Components:

Nitrogen	Phosphorous In Form Of P2o2	Potassium In Form Of K2o	Algae Extract	Citric Acid	Fulvic Acid
12%	12%	44%	5%	5%	5%

Cytokinin	Boron	Chelating Iron With Edita	Chelating Zinc With Edita	Chelating Manganese With Edita	Chelating Copper With Edita
500 ppm	250 ppm	1000 ppm	1500 ppm	100 ppm	200 ppm

Fertilizer features

- It increases the rate of protein and starch formation in grains and potato tubers.
- It increases the rate of sugar formation in fruit and sugar beet crops.
- It increases the rate of oil formation in oil crops such as olive trees.
- It increases the size of the fruits and the percentage of sugar and improves the color in fruit trees and grapes.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Crop	Dose	Timing of use
Fruit trees: Apples, mangoes, grapes, citrus fruits ... Etc.	Foliar spray 400 g / 1000 liters / hectare Drip Irrigation 8-6 kg / 1000 liters of water hectares	4-2 times at the beginning of fruit growth
Olives		4-3 times at the beginning of fruit growth
Vegetable plants Potatoes - tomatoes - cucumbers - onions - garlic ... Etc.		5-3 times, 10 days apart in the fruiting stage
Field crops wheat - rice - barley.... Etc.		3 times, 15 days apart after the germination of the seeds
Legumes: beans - peas		Soak for 12 hours before planting

WATER-SOLUBLE SUSPENDED FERTILIZER

GOLDEN FIVE

NPK 5 – 5 – 50 + T.E. + 15% O.M.

Contains potassium citrate with fulvic, citric, algae extracts and cytokinin

Components:

Nitrogen	Phosphorous In Form Of P2o2	Potassium In Form Of K2o	Algae Extract	Citric Acid	Fulvic Acid
5%	5%	50%	5%	5%	5%

Cytokinin	Boron	Chelating Iron With Edita	Chelating Zinc With Edita	Chelating Manganese With Edita	Chelating Copper With Edita
500 ppm	250 ppm	1000 ppm	1500 ppm	100 ppm	200 ppm

Fertilizer features

- It increases the rate of protein and starch formation in grains and potato tubers.
- It increases the rate of sugar formation in fruit and sugar beet crops.
- It increases the rate of oil formation in oil crops such as olive trees.
- It increases the size of the fruits and the percentage of sugar and improves the color in fruit trees and grapes.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

- It is used in all types of plants at the following suggested rates:
- Land fertilization, 6-8 kg per hectare
- Foliar spray: 300-400 g / 100 liters spray on the leaves

Crop	Dose	Timing of use
Fruit trees: Apples, mangoes, grapes, citrus fruits ... Etc.	Foliar spray 400 g / 1000 liters / hectare Land Irrigation 8-6 kg / 1000 liters of water hectares	4-2 times at the beginning of fruit growth
Olives		4-3 times at the beginning of fruit growth
Vegetable plants Potatoes - tomatoes - cucumbers - onions - garlic ... Etc.		5-3 times, 10 days apart in the fruiting stage
Field crops wheat - rice - barley.... Etc.		3 times, 15 days apart after the germination of the seeds
Legumes: beans - peas		Soak for 12 hours before planting

MICRONUTRIENT FERTILIZERS

ULTRA-POWER

Root stimulator and general tonic

Components:

Sea algae extract	Free amino acids	Fulvic acid	Phosphorus	Potassium
15%	30%	6%	10%	10%

Sulfur	Cytokinin	Mannitol	Trace Element	Alginic acid
1%	200 mg/l	1.5%	0.03%	7%

Fertilizer features

- A general plant stimulant to stimulate the growth of the root system and the vegetative system.
- It increases production and improves its quality as a result of increased biological activity.
- It is used on all types of field crops, fruits and vegetables.
- It increases the plants ability to withstand difficult weather conditions such as heat, frost and salinity tolerance.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Crop	Dose	Timing Of Use
Vegetables: Tomato, pepper, water melon	Fertigation: 5-4 liters/Hectare . Foliar fertilization: 2-1 liters/Hectare	The first time when forming 6-7 leaves, then repeat 3-5 times 10 days apart
Potatoes - onions	Fertigation: 4-3 liters/Hectare . Foliar fertilization: 2-1 liters/Hectare	The first time during vegetative growth, then the beginning of tuber formation, and then repeat 3-4 times 10 days apart
Fruits: orange, pear - mango	Fertigation: 4-3 liters/Hectare . Foliar fertilization: 100 Ml /Tree	The first time is before flowering, and repeat 4-5 one week apart until the beginning of the coloring of the fruits
Green landscapes barley and fodder	Fertigation: 4-3 liters/Hectare . Foliar fertilization: 100 Ml /Tree	The first time when forming 6-7 leaves, then repeat 3-5 times 10 days apart

CALBORON

Fertile Calboron is a unique combination of calcium, Trace elements and boron In addition to nitrogen

Components:

Nitrogen	Calcium As (Cao)	Boron	Zinc	Manganese	Iron	Copper
15.5%	26%	0.5%	100 ppm	100 ppm	200 ppm	20 ppm

Fertilizer features

- It increases the greenness of leaves and flowers, contributes to raising productivity and improving the quality and size of fruits and helps to form roots and root crops and increases the percentage of cells in them and thus their weight and maturity.
- - It is absorbed through the leaves and roots so it can be used in all different irrigation systems.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

It is used as a spray on the leaves or by land irrigation in all types of plants and crops at the following suggested rates:

Crop	Dose	Timing Of Use
Field crops.	6 -8 Kg per hectare	2-4 times at the beginning of fruit growth
Fruit and strawberry	6 -8 Kg per hectare	The beginning of growth then repeat 2-3 times, 15 days apart
Vegetables and potatoes	6 -8 Kg per hectare	When the leaves are completed until the fruit setting, 15 days apart

FERTILE MAGNESIUM

High Purity Magnesium Sulfate (99.5%)

Components:

Sea Algae Extract	Free Amino Acids	Fulvic Acid	Phosphorus	Potassium
15%	30%	6%	10%	10%

Sulfur	Cytokinin	Mannitol	Trace Element	Alginic acid
1%	200 mg/l	1.5%	0.03%	7%

Fertilizer features

- Fertile Magnesium: Fertilizer contains sulfur and magnesium fully soluble in water.
- Safe fertilizer for use in feeding a wide variety of fruit trees, flower and vegetable crops.
- Magnesium works on the manufacture of chlorophyll and stimulates the processes of energy.
- Necessary for the process of cell division, due to the sticking of cellulose fibers when building cell walls.
- Magnesium acts as an activator of many important enzymes in the metabolic transformation of carbohydrates and proteins.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for those containing phosphate.
- It can be mixed with pesticides.

Usages and Quantities:

Crop	Dose
Fruit trees: apples, mangoes, grapes, citrus	15-10 kg/1000 liters of water/ hectare
Vegetables: Potatoes, tomatoes, cucumbers, onions, garlic	15-10 kg/1000 liters of water/ hectare
Field crops wheat - rice - barley.... Etc.	15-10 kg/1000 liters of water/ hectare

HIGH BORON 15

Boron Ethanol Amine

Components:

Boron	Molybdenum	Ph (1% Solution)
15%	0.5%	7-6.5%

Fertilizer features

- Highly absorbent land and foliar fertilizer
- Provides the plant with boron.
- Contains molybdenum.

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for high alkalinity.
- It can be mixed with pesticides.

Usages and Quantities:

It is used as a spray on the leaves or by land irrigation in all types of plants and crops at the following suggested:

Crop	Dose	Timing Of Use
Field crops and vegetables	Foliar spray: 0.3-0.2 liters / 100 liters of water Land irrigation: 3-2 liters/ hectare at a concentration of 2-3 Cm/liter of water	Before flowering until the fruit setting
Fruit and olive trees		
Strawberry		
Grapes and citrus		

HIGH ZINC 14

Components:

Zinc	Manganese	Copper	Boron
14%	2%	1%	1%

Molybdenum	Citric acid	Amino acids	Fulvic acid	Ph (1% solution)
0.1%	5%	10%	12%	4-5

Fertilizer features

- Mixture of chemically complex zinc on organic matter to increase of product efficiency.
- It contains percentages of microelements.
- Suitable for application to all crops and irrigation methods.
- It is used to prevent and treat the symptoms of zinc deficiency in the different stages of plant growth.
- -Improves the fertility of cucurbits

Storage and Warnings

- It must be stored in a well-ventilated, dry place away from direct sunlight.
- It must be stored away from food and fodder and out of reach of children.
- The producing company is not responsible for improper storage and misuse.

Mixability

- It can be mixed with fertilizers, except for high alkalinity.
- It can be mixed with pesticides.

Usages and Quantities:

Crop	Dose/ Hectare
Vegetables Tomato - pepper - eggplant	Fertigation: 3-2 kg Foliar fertilization: 3 -1 kg/ 1000 liters of water
Greenhouse crops	Foliar fertilization: 3-1 kg/ 1000 liters of water
The fruits Orange - pear - mango	Fertigation: 5-4 kg Foliar fertilization: 1.5-1 kg/ 1000 liters of water
Olive	Fertigation: 5-4 kg Foliar fertilization: 1.5-1 kg/ 1000 liters of water

BIO ORGANIC

BIO ORGANIC FERTILIZERS FOR ORGANIC AGRICULTURES

- ORGANIC FERTILIZER
- MICRO ELEMENT FERTILIZERS
- SPECIALTY FERTILIZERS
- SOIL IMPROVERS AND PH ADJUSTER

BIO ORGANIC STANDARDS

BIO ORGANIC

BIO ORGANIC

ORGANIC FERTILIZER

HUMETICH

Organic fertilizer

Components:

Humic	Fulvic
19%	6%

Fertilizer features

- Increases seeds› germination speed as it work as catalyst in cell respiration process.
- Enhances growth and development of root and shoot systems of planet.
- Increases the planet endurance during budding, blossoming and maturity in bad weather conditions.
- Decreases the effect of the salinity in the soil.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop	Dose
Injection	Fruit trees and palms	10 liters/ hectares and repeated monthly
	Vegetables	10 liters (beginning of planting with blossoming) repeated every 15 – 10 days
Spraying	Greenhouses	5 liters/ hectares
	field crops	20 liters/ hectares
	Fruit trees and palms	500 ml / 100 liters
	Fruits	300 ml / 1000 liters

ORGANIC FERTILIZER

AMINO POWER 50

free amino acids

Components:

Free Amino Acids (L) Of Vegetable Origin
25% to 50%

Fertilizer features

- Free amino acids which are easy to be absorbed by irrigation or foliar fertilization
- Work on good microorganisms existing in soil.
- Increases the planet endurance during bad weather conditions such as heat, coldness and salinity.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop
Wheat - rice - corn – cotton	Irrigation fertilization: 3-2 kg/ha. Foliar fertilization: 2-1 kg/ha
vegetables – potatoes	
Peach - apple - citrus - mango - banana	

BIO ORGANIC

ORGANIC FERTILIZER

HUMETICH PLUS

Organic fertilizer

Components:

Humic	Fulvic
70%	15%

Fertilizer features

- Enhances soil properties and ventilation around roots.
- Decreases the bad effect of the salinity in the soil on the planet.
- Increases the percentage of organic matter in sandy soil.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop
field crops	3-2 kgm For every 1000 liters
Fruit, olives and strawberries trees	
Vegetables, watermelon and potatoes	

ORGANIC FERTILIZER

AMINO POWER PLUS

Amino acids and seaweed extract

Components:

Free Amino Acids Of Vegetable Origin	Seaweed Extract
50%	10%

Fertilizer features

- Free amino acids enriched with seaweed extract that are easily absorbed by irrigation or foliar fertilization
- Work on good microorganisms existing in soil.
- Includes seaweed extract to increase the planet endurance during bad weather conditions such as heat, coldness and salinity.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop
Wheat - rice - corn – cotton	Irrigation fertilization: 3-2 kg/ha. Foliar fertilization: 2-1 kg/ha
vegetables – potatoes	
Peach - apple - citrus - mango - banana	

ORGANIC FERTILIZER

ORGANO POWER 89

Organic fertilizer

Components:

Total Amino Acids	Vegetable Free Amino Acids	Fulvic Acid	Seaweed Extract	Alginic Acid
32%	24%	25.5%	24%	5.4%

Fertilizer features

- Enhances soil properties and ventilation around roots to increase root and shoot growth.
- Helps the plants to endure the stress in case of low temperatures.
- Decreases the bad effect of the salinity in the soil on the planet.
- Amino acids and fulvic acid increase the efficiency of the absorption of nutrients, and the trace elements of the plant.
- Helps the plant to overcome stress.
- Increases the percentage of organic matter in sandy soil to improve the natural environment of soil.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop
field crops	3-2 Kg / 1000 liters
Fruit, olives and strawberries trees	
Vegetables, watermelon and potatoes	

ORGANIC FERTILIZER

AMINO POWER PLUS

Amino acids and seaweed extract

Components:

Humic Acid	Fulvic Acid	Seaweed Extract	Alginic Acid
56%	12%	16%	3.6%

Fertilizer features

- Fully water soluble fertilizer.
- Enhances soil properties and ventilation around roots to increase root and shoot growth.
- Decreases the bad effect of the salinity in the soil on the planet.
- Increases the percentage of organic matter in sandy soil.
- Improves the ability of the planet in absorbing nutrients.
- Helps the plant to overcome stress.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

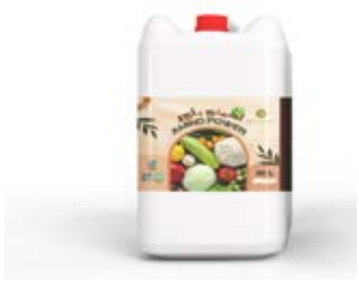
Method	Crop
field crops	3-2 Kg /1000 liters
Fruit, olives and strawberries trees	
Vegetables, watermelon and potatoes	

BIO ORGANIC

ORGANIC FERTILIZER

AMINO POWER

free amino acids



Components:

Free Amino Acids (L) Of Vegetable Origin
24%

Fertilizer features

- Heals stress during irrigation such as cases of frosting which burns plant leaves and increases immunity and vitality.
- Decreases alternate bearing and its role appears in activating buds.
- Resists the process of plant stress from salinity, especially the urolin amino acid
- Compounds chelated on amino acids are better than those chelated on chemical EDTA for the efficiency of acid permeability due to their small molecules.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop	Dose
Injection	Fruit trees and palms	4 liters/ hectares and repeated monthly
	Vegetables	4 liters (beginning of planting with blossoming) repeated every 15 – 10 days
Spraying	Greenhouses	4 liters/ hectares
	field crops	4 liters/ hectares
	Fruit trees and palms	2 ml / 1 liters

ORGANIC FERTILIZER

MURINUM

Organic fertilizer

Components:

Organic Matter	Total Nitrogen	Organic Nitrogen
1%	1%	95%

Total Amino Acids	Humic Acud	Neem Powder	Moringa Powder
10%	17%	50%	30%

Fertilizer features

- Granular fertilizer, slow soluble in water.
- Enhances soil properties and ventilation around roots to increase root and shoot growth.
- Helps the planet to overcome stress on low temperature.
- Decreases the bad effect of the salinity in the soil on the planet.
- Amino acids and humic acid increase the efficiency of the absorption of nutrients, and the trace elements of the plant.
- Increases the percentage of organic matter in sandy soil to improve the natural environment of soil.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers, except for those containing calcium.
- It cannot be mixed with pesticides.

Usages and Quantities:

Method	Crop
field crops	3-2 Kg/ 1000 liters
Fruit, olives and strawberries trees	
Vegetables, watermelon and potatoes	

ORGANIC FERTILIZER

ORGANO OIL

Organic Fertilizer

Components:

Fulvic Acid	Fish Oil	Neem Oil	Sesame Oil	Aloe Vera Extract	Moringa Leaf Extract
12%	15%	10%	5%	2%	4%

Fertilizer features

- It is allowed to be used in organic farming.
- Suspended fertilizer to improve soil properties and aeration around the roots to increase root and vegetative growth.
- Helps the plant to withstand stress in low temperatures.
- Reduces the harmful effect of salinity in the soil on plants.
- Fulvic acid increases the efficiency of the absorption of nutrients, trace elements of the plant.
- Contains plant extracts that increase plant resistance to various diseases.
- It works to raise the percentage of organic matter in sandy soil to improve the natural environment of the soil.

Storage and Warnings

- Store in a well-ventilated dry place away from direct sunlight.
- Store away from food and feed and out of reach of children.
- The company is not responsible for improper storage.

Mixability

- Mixed with fertilizers other than highly acidic or alkaline.
- Mixed with pesticides.

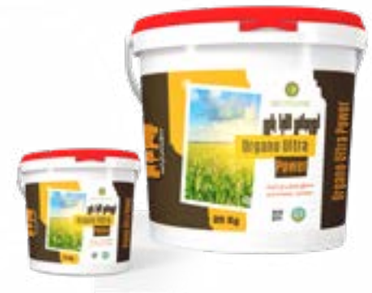
Usages and Quantities:

Crop	Dosage
Vegetables Tomato - pepper - eggplant	Irrigation fertilization 10-7 liters / 1000 liters water foliar fertilization 0.75 -0.5 liters / 100 liters water
greenhouse crops	
Fruit orange - pear - mango	
olives – dates	

ORGANIC FERTILIZER

ORGANO ULTRA POWER

Suspended In Water



Components:

Total Nitrogen	Organic Nitrogen	Total Amino Acids	Fulvic Acid	Algae Extract
1.5%	1.5%	10%	25.5%	16%

Alginic Acid	Fish Oil	Aloe Vera Extract	Moringa Leaf Extract	Neem Oil
5.4%	5%	1%	3%	5%

Fertilizer features

- A fully soluble suspended fertilizer in water.
- Improving soil properties and aeration around the roots to increase root and vegetative growth.
- Helps the plant to withstand stress in low temperatures.
- Reduces the harmful effect of salinity in the soil on plants.
- Amino acids and fulvic acid increase the efficiency of the absorption of nutrients and trace elements of the plant.
- Contains plant extracts that increase plant resistance to various diseases.
- Raising the percentage of organic matter in sandy soil to improve the natural environment of the soil

Storage and Warnings

- Store in a well-ventilated dry place away from direct sunlight.
- Store away from food and feed and out of reach of children.
- The company is not responsible for improper storage.

Mixability

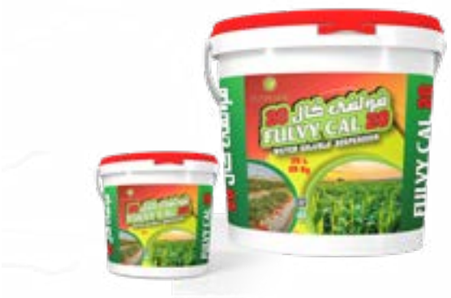
- Can be mixed with fertilizers and pesticides, except acid.
- Mixed with pesticides

Usages and Quantities:

Crop	Dosage
Vegetables	Fertigation: 2-1 kg
Tomato - pepper - eggplant	Foliar: 1-0.3 kg / 1000 liters of water
Greenhouse crops	foliar: 1-0.3 kg / 1000 liters of water
Fruits	
Orange - pear - mango	Fertigation: 4-3 kg 50 g per tree
Olives - dates	Fertigation: 4-3 kg 50 g per tree

SPECIALTY FERTILIZERS

FULVY CAL 20



Components:

Calcium (CaO)	Fulvic acid	Boron
20%	7%	0.5%

Fertilizer features

- Suspension fertilizer, totally soluble in water, used to provide the planet with calcium to improve quality and size of fruits.
- Used as effective treatment for calcium deficiency symptoms.
- Typical fertilizer for lands which contain high rate of salts and stress resistant.
- It is absorbed by leaves and roots so it could be used in all irrigation methods.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except phosphate ones
- Mixed with pesticides.

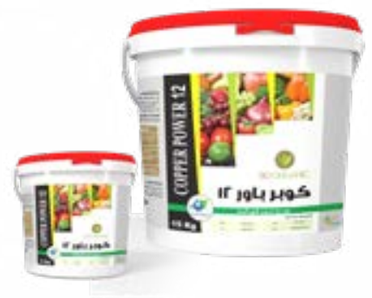
Usages and Quantities:

Method	Crop	Dose
field crops	5 liters/ hectares	In the beginning of growth and repeated 3- 2 times with an interval of 15 days
greenhouses crops	7 liters/ hectares	7 liters/ hectare when the leaves are complete, before blossoming and until the noduleing, with an interval of 15 days
Vegetables, watermelon and potatoes	5 liters/ hectares	when the leaves are complete and until fruiting or tuber formation with an interval of 15 days

SPECIALTY FERTILIZERS

CUPPER POWER 12

Micro Element Fertilizer



Components:

Copper (Cu)	Total Amino Acids	Humic Acid	Fulvic Acid
12%	16%	22%	5%

Fertilizer features

- A fully water-soluble fertilizer to supply the plant with copper for all types of crops.
- Increases the rate of formation of buds and flowers, increase the yield, resistance to fungal diseases, the formation of chlorophyll and the activation of roots.
- Improving color in plants and early ripening of fruits.

Storage and Warnings

- Mixed with fertilizers and pesticides, except for phosphates.
- Mixed with pesticides.

Mixability

- Mixed with fertilizers and pesticides, except for phosphates
- Mixed with pesticides.

Usages and Quantities:

Method	Crop	Dose
field crops greenhouses	For 500 – 400 ml / 1000 liters	spraying is done every 15 days (4 sprays) after the plant reaches the age of 21 days while avoiding spraying in the flowering stage
field crops feed Vegetables, melons, and potatoes		The spraying is carried out with enough water to cover the entire plant after 6-4 weeks from the date of planting or at the first appearance of copper deficiency symptoms or spraying within 3-2 weeks if necessary
Fruit trees, olives, and strawberries		Are sprayed after pruning, and spraying is repeated after holding the fruits and a third time after collection.

BIO ORGANIC

SPECIALTY FERTILIZERS

ORGANO CUPPER 7,5

Components:

Cupper (Cu)	Hiumic Acid	Vulvic Acid
7.5%	11%	11%

Fertilizer features

- Liquid totally soluble in water fertilizer, used to provide the planet with Cupper for all kinds of crops.
- Increases the rate of buds formation, blossoming, crops increasing, fungal diseases resistance, chlorophyll formation and activation of roots.
- Improves color in the plant and early ripening of the fruits.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except phosphate ones.
- Mixed with pesticides.

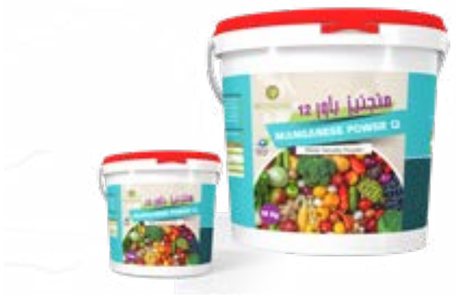
Usages and Quantities:

It is used in all kinds of planets with the following suggested rates:

Crop	Usage Dose	Timing
Field crops greenhouses crops	500 – 400 Ml For every 1000 liters water / Hectare	Spray every 15 days (4 sprays) after the plant reaches the age of 21 days, avoid spraying in the blossoming stage
field crops Vegetables, watermelon and potatoes		Spray with enough water to cover the entire plant after 6-4 weeks from the date of planting or at the first appearance of symptoms of cupper deficiency or spray within 3-2 weeks if necessary
Vegetables, watermelon and potatoes		Spray after pruning, and repeat after fruits setting .

SPECIALTY FERTILIZERS

NANAGANESE POWER 12



Components:

Manganese (Mn)	Free Amino Acids (L) Of Vegetable Origin	Vulvic Acid
12%	18%	21%

Fertilizer features

- Totally soluble in water fertilizer, used to provide the planet with Manganese.
- Used as an effective treatment for Manganese deficiency in vegetables crops. Fruit trees and field crops.
- Increases chlorophyll in the planet so so that the Manganese can activate respiration process and energy production inside the planet.
- Manganese works to regulate the two forms of iron inside the plant.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except phosphate ones.
- Mixed with pesticides.

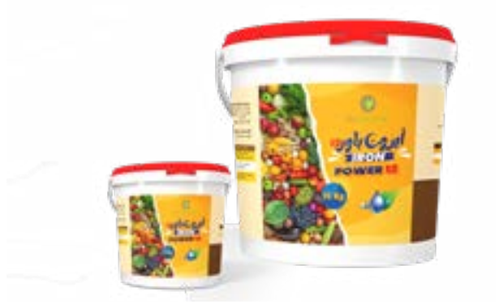
Usages and Quantities:

Ccrop	Usage Dose	Timing
Wheat – rice	150 – 100 gm/ 100 L water	Spray during spiking stage and repeat before spike filling
Corn	150 – 100 gm/ 100 L water	10 days before blossoming and repeat when grains are full
Vegetables : Tomato - pepper - cucumber – watermelon	100 gm/ 100 L water	First treatment at the formation of 6 total average shoot then repeat 3 times with interval of 10 days between treatment
Potato	150 – 100 gm/ 100 L water	First treatment during shoot growth then at the beginning of tubers formation then repeat 3 times with interval of a week
Sugar beet - carrots – sweet potatoes	150 – 100 gm/ 100 L water	First treatment at total shoot then repat spraying at the beginning of roots expantion then repeat one time with interval of a week
fruit trees : Peach - apple - pear – apricot	200 – 100 gm/ 100 L water	First treatment after noodling fullness the repeat 4 times with interval of one week
Grapes	150 – 100 gm/ 100 L water	First treatment after fruit setting completion then repeat every 10 days

BIO ORGANIC

SPECIALTY FERTILIZERS

ORGANO CUPPER 7,5



Components:

Iron (Fe)	Free Amino Acids (L) Of Vegetable Origin	Vulvic Acid
12%	12%	21%

Fertilizer features

- Totally soluble in water fertilizer, used to provide the planet with Iron.
- Increases the rate of chlorophyll formation and shoot strength and density in planet.
- Improves color in the plant and early ripening of the fruits.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except phosphate ones.
- Mixed with pesticides.

Usages and Quantities:

It is used in all kinds of planets with the following suggested rates:

Crop	Usage Dose	Timing
Field crops greenhouses crops	3-2 Kg/ hectares 2-1 Kg / 1000 L	Distributed over the vegetative, fruitful and tubers growth season
Vegetables, watermelon and potatoes	3-2 Kg/ hectares 2-1 Kg / 1000 L	Distributed over the vegetative, fruitful and tubers growth season
Fruit, olives and strawberries trees	3-2 Kg/ hectares 2-1 Kg / 1000 L	10 days before blossoming and repeat after fruit setting

SPECIALTY FERTILIZERS

ORGANO IRON 7

Components:

Iron (Fe)	Free Amino Acids (L) Of Vegetable Origin	Vulvic Acid
7%	9.5%	10%

Fertilizer features

- Totally soluble in water fertilizer, used to provide the planet with Iron.
- Increases the rate of chlorophyll formation and shoot strength and density in planet.
- Improves color in the plant and early ripening of the fruits.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except acidic ones.
- Mixed with pesticides.

Usages and Quantities:

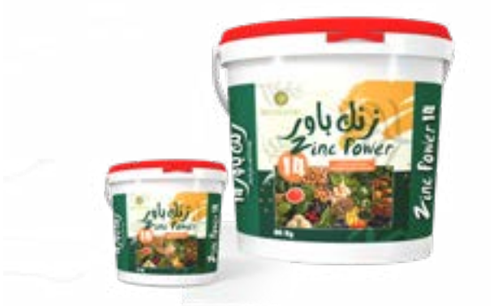
It is used in all kinds of planets with the following suggested rates:

Crop	Usage Dose	Timing
Field crops greenhouses crops	3-2 Kg/ hectares 2-1 Kg / 1000 L	Distributed over the vegetative, fruitful and tubers growth season
Vegetables, watermelon and potatoes	3-2 Kg/ hectares 2-1 Kg / 1000 L	Distributed over the vegetative, fruitful and tubers growth season
Fruit, olives and strawberries trees	3-2 Kg/ hectares 2-1 Kg / 1000 L	10 days before blossoming and repeat after fruit setting

BIO ORGANIC

ORGANIC FERTILIZER

ZINC POWER 14



Components:

Zink (Zn)	Total Amino Acids	Vulvic Acid
14%	18%	21%

Fertilizer features

- Totally soluble in water fertilizer, used to provide the planet with Zink.
- Used as a treatment for Zink deficiency in all types of crops.
- Affects pollen germination which enhance increasing of nodules and crop.
- Reduces the incidence of various diseases by activating many new resistance systems in the planet.
- Used as an effective treatment for the problem of stunted plant appearance due to the small length of the internodes in the stem.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except acidc ones.
- Mixed with pesticides.

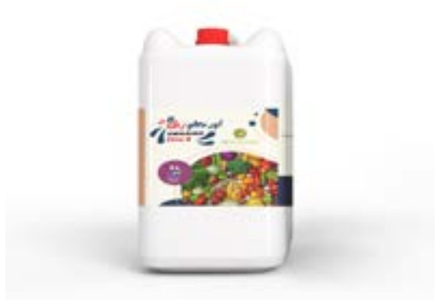
Usages and Quantities:

It is used in all kinds of planets with the following suggested rates:

Crop	Usage Dose	Timing
Wheat – rice	150 – 100 gm/ 100 L water	Spray during spiking and repeat before spike filling
Corn	150 – 100 gm/ 100 L water	10 days before blossoming and repeat when grains are filling
Vegetables : Tomato - pepper - cucumber – watermelon	100 gm/ 100 L water	First treatment at the formation of 6 total average shoot then repeat 3 times with interval of 10 days between treatment
Potato	150 – 100 gm/ 100 L water	First treatment during shoot growth then at the beginning of tubers formation then repeat 3 times with interval of a week
Sugar beet - carrots – sweet potatoes	150 – 100 gm/ 100 L water	First treatment at total shoot then repat spraying at the beginning of roots expansion then repeat one time with interval of a week
fruit trees: Peach - apple - pear – apricot	3-2 Kg/ hectares 2-1 Kg / 1000 L	First treatment after fruit setting fullness the repeat 4 times with interval of one week
Grapes	150 – 100 gm/ 100 L water	10 days before blossoming and repeat after fruit setting

SPECIALTY FERTILIZERS

ORGANO ZINC 8



Components:

Zink (Zn)	Total Amino Acids	Free Amino Acids (L) Of Vegetable Origin	Vulvic Acid
8%	11%	8%	12%

Fertilizer features

- Totally soluble in water fertilizer, used to provide the planet with Zink.
- Used as a treatment for Zink deficiency in all types of crops.
- Affects pollen germination which enhance increasing of nodules and crop.
- Reduces the incidence of various diseases by activating many new resistance systems in the planet.
- Used as an effective treatment for the problem of stunted plant appearance due to the small length of the internodes in the stem.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- Mixed with fertilizers except acidc ones.
- Mixed with pesticides.

Usages and Quantities:

It is used in all kinds of planets with the following suggested rates:

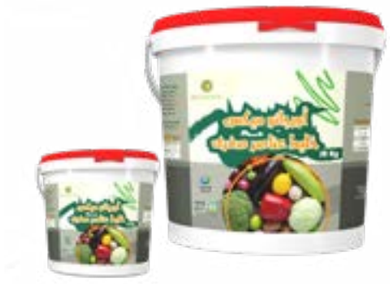
Crop	Usage Dose	Timing
Wheat – rice	150 – 100 gm/ 100 L water	Spray during spiking and repeat before spike filling
Corn	150 – 100 gm/ 100 L water	10 days before blossoming and repeat when grains are filling
Vegetables : Tomato - pepper - cucumber – watermelon	100 gm/ 100 L water	First treatment at the formation of 6 total average shoot then repeat 3 times with interval of 10 days between treatment
Potato	150 – 100 gm/ 100 L water	First treatment during shoot growth then at the beginning of tubers formation then repeat 3 times with interval of a week
Sugar beet - carrots – sweet potatoes	150 – 100 gm/ 100 L water	First treatment at total shoot then repat spraying at the beginning of roots expansion then repeat one time with interval of a week
fruit trees: Peach - apple - pear – apricot	3-2 Kg/ hectares 2-1 Kg / 1000 L	First treatment after fruit setting fullness the repeat 4 times with interval of one week
Grapes	150 – 100 gm/ 100 L water	10 days before blossoming and repeat after fruit setting

BIO ORGANIC

SPECIALTY FERTILIZERS

ORGANO MIX

Mixture of microelements



Components:

Iron	Zinc	Manganese	Copper	Boron
6%	8%	2.5%	1%	0.1%

Molybdenum	Free Amino Acids (L) Of Vegetable Origin	Fulvic Acid	Ph (Solution 1%)
0.04%	12%	22%	5-6

Fertilizer features

- It contains large proportions of microelements, rare elements and organic matter.
- Fully soluble in water to suit all crops and modern agricultural methods.
- It is used to prevent and treat the symptoms of micronutrient deficiency in the different stages of plant growth.
- Improving plant color and early ripening of fruits.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers and pesticides.

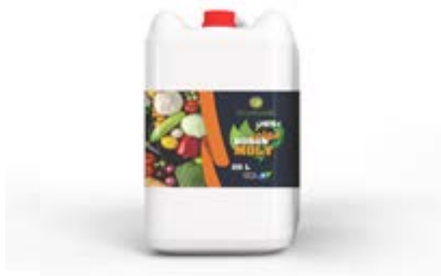
Usages and Quantities:

It is used in all kinds of planets with the following suggested rates:

Crop	Usage Dose	Timing
Field crops, vegetables	Land irrigation 5-3 kg per hectare	It is generally added during the different growth stages of the plant (from the beginning of the vegetative growth to the stage of the setting), and when symptoms of deficiency appear, 3-2 times, 10 days apart
Fruit trees, olives	Foliar spray 150-100 grams per 100 liters of water	
Strawberries		
Grapes, and citrus fruits		

SPECIALTY FERTILIZERS

BORON MOLY



Components:

Boron	Molybdenum	Ph (Solution 1%)
10%	2%	6.5-7%

Fertilizer features

- Highly absorbent soil and foliar fertilizer.
- Provides the plant with boron.
- Contains molybdenum.
- A highly absorbable foliar fertilizer by leaves and roots and is not affected by soil elements.
- Molybdenum plays an important role in reducing nitrates to ammonia.
- It is approved for use in organic farming.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers and pesticides, except acidic.
- It can be mixed with pesticides.

Usages and Quantities:

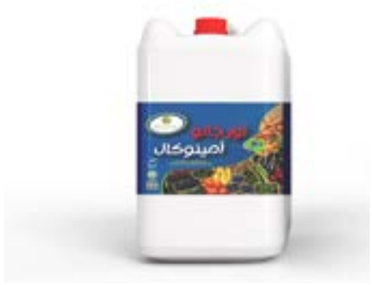
It is used in all kinds of planets with the following suggested rates:

Crop	Usage Dose	Timing
Field crops, vegetables	Land irrigation 5-3 kg per hectare	It is generally added during the different growth stages of the plant (from the beginning of the vegetative growth to the stage of the setting), and when symptoms of deficiency appear, 3-2 times, 10 days apart
Fruit trees, olives	Foliar spray 150-100 grams per 100 liters of water	
Strawberries		
Grapes, and citrus fruits		

SPECIALTY FERTILIZERS

ORGANO AMINOCAL

A concentrated fertilizer containing calcium, amino acids (of vegetable origin) and boron



Components:

Calcium	Free Amino Acids (L) Of Vegetable Origin	Boron
12%	8%	0.5%

Fertilizer features

- A fully water-soluble fertilizer to supply the plant with iron.
- It Increases the rate of chlorophyll formation and shoot system strength and its density in the plant.
- It improves color in plants and early ripening of fruits.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers except for acid fertilizers.
- It can be mixed with pesticides.

Usages and Quantities:

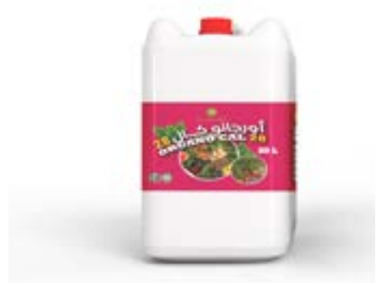
It is used in all kinds of planets with the following suggested rates:

Crop	Dose	Timing
Field crops Greenhouse crops	5 l / hectare	At the beginning of growth and repeat 3-2 times, 15 days apart
Vegetables, melons and potatoes	7 l / hectare	An average of 7 liters per hectare when the leaves are complete, before flowering and until the fruit setting, 15 days apart
Fruit trees, olives and strawberries	5 l / hectare	When the leaves are complete, until fruiting or the formation of tubers, 15 days apart

SPECIALTY FERTILIZERS

AMINOCAL 28

A concentrated fertilizer containing calcium, amino acids (of vegetable origin) and boron



Components:

Calcium	Amino Acids	Boron
20%	15%	0.5%

Fertilizer features

- Suspension fertilizer completely soluble in water used to supply the plant with calcium to improve the quality and size of the fruits.
- It is used as an effective treatment for symptoms of calcium deficiency.
- A typical fertilizer for lands that contain high salt content and stress resistance.
- It is absorbed through the leaves and roots and can be used in all irrigation systems.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers except phosphate fertilizers.
- It can be mixed with pesticides.

Usages and Quantities:

It is used in all kinds of planets with the following suggested rates:

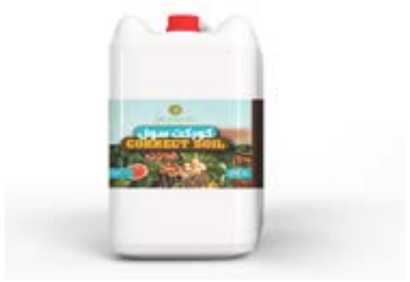
Crop	Dose	Timing
Field crops	5 l / hectare	At the beginning of growth and repeat 3-2 times, 15 days apart
Fruit trees, olives and strawberries	7 l / hectare	An average of 7 liters per hectare when the leaves are complete, before flowering and until the fruit setting, 15 days apart
Vegetables, melons and potatoes	5 l / hectare	When the leaves are complete, until fruiting or the formation of tubers, 15 days apart

BIO ORGANIC

SOIL IMPROVERS AND PH ADJUSTER

CORRECT SOIL

A concentrated fertilizer containing calcium, amino acids (of vegetable origin) and boron



Components:

Calcium (As Cao)	Humic Acid	Free Amino Acids (L) Of Vegetable Origin	Density
5%	12%	8%	1.2%

Fertilizer features

- It contains calcium, which limits sodium absorption.
- It provides the plant with calcium.
- It improves the properties of the soil.
- Salinity treatment and soil acidity regulation.
- It contains amino acids and thus helps the plant to resist stress.

Storage and Warnings

- The fertilizer is stored in a well-ventilated, dry place away from direct sunlight.
- It is stored away from food and feed and out of the reach of children.
- The company is not responsible for poor storage.

Mixability

- It can be mixed with fertilizers except phosphate fertilizers.
- It can be mixed with pesticides.

Usages and Quantities:

It is used in all types of plants at the following suggested rates:

Crop	Dose	Timing
Field crops Fruit trees, olives, strawberries, vegetables, melons and potatoes 15 days after planting and transplanting	7-5 l / hectare	15 days after planting and seeding

شـركـة المـعـايير الـصـنـاعية
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