



NPK
29-9-9 w/w

**Top Twenty
Fertilizer**

**Top
20**

ALRAYA

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AL- Raya For Fertilizer Industry CO. L.L.C

شركة الراية لصناعة الاسمدة ذ.م.م

المملكة الأردنية الهاشمية - مدينة معان - الروضة الصناعية - هاتف : 0791915569
The Hashemite Kingdom of Jordan - Ma'an City - Al-Rawda Industrial

Top Twenty Fertilizer

NPK 29-9-9 w/w

The top twenty Formula is built on the most important main element in the plant, which is chlorophyll, as this Formula works to give the plant the current efficiency in producing this element at any stage of the plant's life as young or in the middle of its life or in the last stages of its life where we find that the plant when the plant is sprayed with this Formula, it responds positively within a few hours. Thus, we find that the plant returns to activity very quickly and the effect of that appears on the vegetative, flower and fruiting system

INGREDIENTS

Nitrogen N:29% w/w - Phosphorus P₂O₅:9% w/w - Potassium K₂O:9%w\w

ADVANTAGES OF USING THIS FERTILIZER

1. A Formula that quickly replaces the nitrogen deficiency
2. A fertilizer Formula that works to rid the plant in a record period not exceeding hours, of any toxic effect it may have been exposed to as a result of the wrong use of the pesticide
3. A Formula that works to compensate for the lack of any nutrient that may appear on the plant within a few hours because it contains the best trace elements and chelating in a way that facilitates their absorption and speeds up their transmission by the shoot and root system of the plant
4. In addition to the above features, it is based on both the cytoplasmic, physiological and morphological properties, as the results of its use are reflected in the external shape of the plant very quickly, not exceeding hours after spraying the plant with this compound.
5. This Formula contains the best group of natural free amino acids in addition to increasing the preparation of the free chlorophyll element that supports the process of building up and increases its efficiency very greatly, which maintains the vitality of the plant for a longer period than the general rate
6. The Formula is suitable for use with soil fertigation systems and pivot sprinklers
7. This Formula increases the plant's ability to withstand temperature differences, especially those that occur between night and day
8. The Formula has a direct and positive effect on the production of a strong flora system
9. The plant does not need to expend any energy to absorb this compound when spraying it on the shoot or adding it to other irrigation systems, regardless of the condition of the plant, because the compound is manufactured in a way that makes it easier on the outside wall of the plant and its roots to absorb it easily
10. It increases the ability of the plant to withstand low temperatures (frosts) and high temperatures



USAGE RATE

Fodder: 3 kg / hectare after 12 days of operation

Potatoes: 5 kg / hectare twice

Greenhouses: 1 kg at a rate of 5 times / 500 m²

Fruit trees: an average of 5 kg / hectare

Exposed vegetable fields: at an average of 5 kg / hectare

Foliar spray: at a rate of 3 grams / 1 liter of water or 3 kg / 1000 liters of water



Storage: Keep this product in its original packaging until use, as it will retain its effectiveness for more than 4 years under natural conditions

Mixability: It can be mixed with other fertilizers

Packing: Package of 20 kg , 2kg



DIAMOND COMPOUNDS

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DIAMOND COMPOUNDS

URANIUM NITRITE: FAST GREEN 40-0-5

This compound is a source of furniture for images of nitrogen which is the fastest adsorbed element in all weather conditions with cool- high temperature

FEATURES:

1. Available in 3 forms: ammonia – nitrite – urea, which make the nitroge readily available for plant
2. Nitrite (include one quarter of the total nitrogen) ready for the plant once it reaches the root area
3. Urea (making up half of the total) moves with soil water until it is broken down by enzymes into ammonia which in turn makes up three fourths of total nitrogen
4. Ammonia is attracted to the individual iris of the soil so it won't leach and it won't be removed from the soil it's ready to be absorbed by the root hairs
5. The remaining portion will be transformed into microbiological nitrite ready for absorption by roots
6. Reduces the negative chars that urea overuse leaves on soils saline or chlorides
7. Rapid absorption and therefore immediate impact on plants
8. Reduced cost of used fertilizers

PLANT VOSSEL 6-45-7

High purity phosphorous compound (osmotic classification)

FEATURES:

1. Increases major root branches
2. Increases the activity of the root hairs responsible for absorbing elements
3. Reduces PH of the soil (salinity processor)
4. Clearly increases the syphilis
5. Fastest absorption of other phosphorus fertilizers
6. Mixable with urea
7. Contains potassium and rare elements
8. Components phosphorous deficiency rapidly
9. Shellfish for soil bound elements
10. Usage rate from 3 to 5 L/ha

PLANT ENERGY COMPOUND 42-32-0

Compound results of a complex chemical reaction containing the major and minor elements and some additives

Chemical composition: nitrogen 0%, phosphor 32%, potassium 42%, rare elements + other stimulants

FEATURES:

- The main purpose of producing this compound It is to give a very powerful power to a plant in times that we find the plant very much in need of that energy most importantly in these times
- When the plants are loaded with large amounts of production such as cucumber, tomatoes, peppers and eggplant, its makes the plants bigger rapidly and with that we have had plants of high quality and high production
 - In the last half of the age of potatoes, onions, carrot, turnip and sugar beet and crops that pass through the land where the compound significantly increases the awareness weight of the need and harmonizes the sizes of the pass. This helps the field reach the production stage early thus helping many farmers reach the production stage before the frost enters
 - It is added in the stage of ejection and in the application of pulp in the ear for grain crops and is used for field crops such as corn and sunflowers

FEATURES:

1. Provides the element phosphorus most rapidly needed by the plant
2. Provides the best plant requirements of potassium
3. This compound absorbs at a temperature of zero semen and works very well in low temperatures
4. It has great effect in increasing bio resistance and raising throughput capacity
5. The strongest compound that gives more energy to a plant than any other fertilizer result from a physiological mix
6. Easy to absorb by the plant
7. Low usage rate 3-5 L/ha
8. In the pulverization phase and in the pulverization phase for grain crops the pulp is added.



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Top 20

NPK 9-39-9 W/W

Top twenty contains the most important key ingredient in barriers, chlorophyll this compound gives the present runny barriers in the production of this period at any stage of a plant's young, middle or late life, the plant when applied responds positively within a few hours and the plant reactivates very quickly, showing an impact on the vegetative, syphilis, and fruit systems

Ingredients:

Nitrogen N: 9% W/W - Phosphorus P2O5: 39% W/W - Potassium K2O: 9% W/W

Advantages of using this compound:

1. Component rapidly compensating for phosphorus deficiency
2. Fertilizer that eliminates in a standard period of hours any toxic effect to which the plant has been exposed due to the inert use of the pesticide
3. Compound that makes up for the lack of any nutrient that may appear on the plant in a few hours because it contains the best rare and chelating elements in a way that makes it easier to absorb and quickens transmission by the shoot and root population of the rest of the plant
4. In addition to the above features, it is based on cytoplasmic physiological and morphological properties and the results of its use are reflected on plant morphology very quickly not exceeding hours after the plant has been spraying this compound
5. The compound contains the best natural free amino acid group as well as increasing the processing of the free chlorophyll element that supports nucleosynthesis and greatly increases its efficiency keeping plants alive longer than the overall rate
6. The compound is melanum for use in ground Composting systems and coaxial sprayers
7. This compound increases the plant's ability to withstand particular temperature differences tick that happens between day and night
8. The compound has direct and positive irritation on producing a strong fresh pink aggregate
9. The plant doesn't need to expend any energy to absorb the compound when it is sprayed on the vegetable system or added by other irrigation systems in any case because the compound factory in a way that makes it easily absorbed on the plants outer wall and its roots
10. It makes it more able to withstand temperature (frost) and higher



Usage rate:

- **Feed: 3Kg/ha after 5 days of operation**
- **Potatoes: 5 Kg/ha twice rate**
- **Protected houses: 1 Kg at 5 times / 500 m2**
- **Fruit trees: 5 kg/ha**
- **Vegetable fields exposed: 5 kg/ ha**
- **Paper spraying: 3g/1L water or 3 Kg/1000L water**



Storage: keep this product in its original packaging until use, it has remained effective for more than 4 years under normal conditions

Mix ability: can be mixed other fertilizers Packaging: package 20Kg, 1 Kg

Top Twenty Fertilizer



N-P-K
10-16-22 w/w



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Top 20 N-P-K 10-16-22 w/w

Top twenty contains the most important key ingredient in barriers, chlorophyll this compound gives the present runny barriers in the production of this period at any stage of a plant's young, middle or late life, the plant when applied responds positively within a few hours and the plant reactivates very quickly, showing an impact on the vegetative, syphilis, and fruit systems

Ingredients:

Nitrogen N: 9% W/W - Phosphorus P2O5: 39% W/W - Potassium K2O: 9% W/W

1. Fertilizer that eliminates in a standard period of hours any toxic effect to which the plant has been exposed due to the inert use of the pesticide
2. Compound that makes up for the lack of any nutrient that may appear on the plant in a few hours because it contains the best rare and chelating elements in a way that makes it easier to absorb and quickens transmission by the shoot and root population of the rest of the plant
3. In addition to the above features, it is based on cytoplasmic physiological and morphological properties and the results of its use are reflected on plant morphology very quickly not exceeding hours after the plant has been spraying this compound
4. The compound contains the best natural free amino acid group as well increasing the processing of the free chlorophyll element that supports nucleosynthesis and greatly increases its efficiency keeping plants alive longer than the overall rate
5. The compound is constructed in 22-16-10 or 2-3-4 which is the best form of structure for the plant and its topography
6. Increases plant resistance to pathological injuries
7. The compound is melanum for use in ground composting systems and coaxial sprayers
8. This compound increases the plant's ability to withstand particular temperature differences tick that happens between day and night
9. The compound has direct and positive irritation on producing a strong fresh pink aggregate
10. The plant doesn't need to expend any energy to absorb the compound when it is sprayed on the vegetable system or added by other irrigation systems in any case because the compound factory in a way that makes it easily absorbed on the plants outer wall and its roots
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Mix ability: can be mixed other fertilizers **Packaging:** package 20Kg, 1 Kg

ULTRA BONUS FOURTOP GROUP



ULTRA BONUS FOURTOP GROUP

It is an integral component of the best basic elements, trace elements, vitamins, and a wide range of amino acids and natural growth regulators, which justifies How fast is the plant's response to fertilization and achieving the best production.

Advantages of use

Fodder: 3 kg / hectare after 12 days of operation

Potatoes: 5 kg / hectare twice

Greenhouses: 1 kg at a rate of 5 times / 500 m²

Fruit trees: an average of 5 kg / hectare

Exposed vegetable fields: at an average of 5 kg / hectare

Foliar spray: at a rate of 3 grams / 1 liter of water or 3 kg / 1000 liters of water

ULTRA BONUS FOUR TOP 14-12-14

A Formulas that gives an ideal state for the balanced growth of vegetative, floral and fruit & vegetables plants and is a comfortable Formulas for the plant after using various formulations with high concentrations of elements



ULTRA BONUS FOUR TOP 19-9-9

It's a very important Formulas for building a fast and strong shoot system at the beginning of its establishment, as well as being used to give distinctive vegetative growth during the agricultural season to maintain the distinct shoot system continuously.

ULTRA BONUS FOUR TOP 6-20-30

This Formulas is one of the most important fertilizers because it gives the plant the high potential to build fruits & vegetables of excellent quality and also works to enlarge the fruit & vegetables in a record period, which helps the plant to produce a large amount of production and continuously, as it works to harvest the fruits & vegetables from the plant quickly for continuous production plants such as cucumbers, tomatoes and zucchini Eggplant, pepper. As for crops such as potatoes, onions and carrots, it helps to make a standard specific weight for the fruits so that large sizes are obtained, which contributes to obtaining high productivity rates per unit area



ULTRA BONUS FOUR TOP 9-39-9

One of the important phosphorous Formulas for the plant as it is characterized by its ability to give the plant what it needs from phosphorous at a very standard rate, which makes it easy for the plant to accomplish what it needs from building the root and flowering system in a very excellent way, as well as providing the plant with the high energy it needs for the various biological processes inside the plant



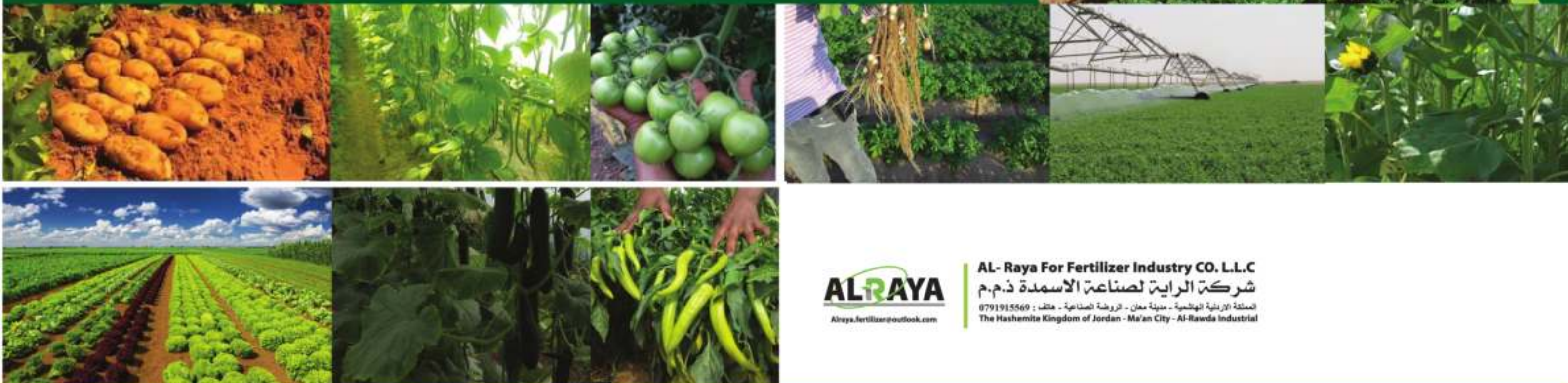
fast-absorbing foliar fertilizer because it contains
all the plant needs

7. SUPER SPECIAL FRUIT FORMULAS 14.4-14.4-14.4

This Formula is the best high-quality, fast-absorbing foliar fertilizer because it contains the best trace elements and other nutrients that the plant needs

- This Formula contains a high group of organic elements, so it removes the residual traces of chemical elements
- Stimulating dormant vegetative buds and stimulating growing apices
- Making the plant resist some fungal diseases such as downy and powdery mildew, as it works to give a juicy and tender growth and at the same time works roughness with the texture of plant leaves, which increases its resistance to pathological fungi that affect the growing system
- It works to reduce the distances between phalanges, and this is mainly observed in tomatoes and cucumbers
- It claws the additives with it, whether fungal or insecticides, and thus increases the action of the pesticide mixed with it to spray
- This Formula is an instant and nutritious diffuser that reduces the surface tension of the spray solution, which helps to spread it on the plant.
- It increases the action of herbicide at the same time removes the negative effects of pesticides on the crop
- When spraying the field with pesticide, it is recommended to add 1 liter per hectare with the pesticide tank, as the results will be the best ever
- A stimulant that helps to strengthen the plant to face difficult conditions
- It can be used in very hot because it is gentle on plants and does not cause any burns
- It can be added to pesticides to improve their efficiency and reduce the harmful effect on plants

SPECIAL GROUP FERTILIZER



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SPECIAL GROUP FERTILIZER

1. SUPER SPECIAL ROOT FERTILIZER 10-31-10

This Formula has a very important role and that because it works on the correct establishment of the plant, this Formula enters at the beginning of the plant's life where it helps the plant to form a distinct root system in a standard period and this is reflected in the health of the plant, and according to what is known that the stronger and healthy the root system, the more efficient the plant is in terms of plant life and production, as well as its resistance to many diseases and difficult climatic conditions. This Formula has another role, and that is in strengthening the flower group formed on the plant, as it is given in appropriate doses at times when the farmer feels that the rate of flowering has decreased in the plant.



2. SUPER SPECIAL FERTILIZER 3.8-13.8-13.8

This Formula is considered the most important among the special compounds, as its effect is comprehensive on the whole plant in terms of roots, fruiting and flowering growth and fruits, and it works jointly with all kinds of different fertilizers, it works to revitalize the plant very quickly and this can be noticed after a short period not exceeding several days from the start of using this Formulas.



3. SUPER SPECIAL FRUIT 12-0-28

This Formula has a major and very important role for farmers, as this Formula has a direct effect on the size of the fruits & vegetables, which leads as a result to improving production specifications and works to give uniformity in sizes, which works to reduce fruits with poor specifications.



4. SUPER SPECIAL NITRO 32-0-8

This Formula plays a major role in the vegetative growth process, as it works on the rapid vegetative propulsion. This Formula is used in the early stages of the plant's life as well as in other stages as it is known that all the floral and fruiting structures formed on the plant are on the new vegetative structure. This Formula is also used in the case of leafy crops such as lettuce and mallow, as well as fodder and all other kinds of vegetables, and this Formula is very necessary in the case of a request to renew vegetative growth on plants that suffer from aerobic diseases, the most important of which are early and late blight.



5. SUPER SPECIAL FLOWER FRUIT 0-33-22

This is one of the very important Formula as this Formula works to reduce the big problem that the majority of farmers suffer from, which is the problem of failure of the fruit setting, as the Formula works to strengthen the flower system very large and at the same time works to speed up the pushing of fruits in a record time with shortening the setting period and pushing the fruit in less time than the normal time by 40%, but this Formula has an important condition when using it, which is that the plant must have formed a strong vegetative mass with a flower group, because if the vegetative system is weak, this Formula will reduce growth for a while.



6. SUPER SPECIAL COLORING 5-0-35+12S

The importance of this Formula lies in its effect on the fruits, as this Formula works on the speed of real ripening of the fruits in record time and this is mainly on the tomato crop, as it works on the speed of ripening of the fruits, as the tomatoes get a dark red color, and what is important in the effect of this Formula is that it plays another important role, which is to quickly enlarge young fruits and color fruits ready for coloring. Also, this Formula has an important role in the industrial potato, as it works to obtain large fruits with a high specific weight. A very important point is the low sugar content in the tubers, and this is the most important condition for chips factories to receive potatoes.





STRONG LEAF COMPOUND 15-0-0+19 Cao

STRONG LEAF FERTILIZER

It has the advantage of giving the plant the ability to work in all hot, cold and mild conditions

The Fertilizer is a nutritious part, as it is known in the rest of the Formulas, as it contains nitrogen, calcium, amino acids and nutrients, and the other side of its work is concerned to the plant itself, which gives it the ability to rapidly absorb, transfer and transform elements, i.e. increase the efficiency of work while raising any effort or pressure on plant, therefore, we notice rapid results after using the fertilizer, as the plant quickly emerges from the state of pressure it is going through



It is a water-soluble fertilizer specialized for the prevention and compensation of calcium deficiency in crops, and is characterized by the following:

1. It works to provide calcium in addition to nitrogen for the plant
2. Absorbed through leaves and roots
3. It is used in all irrigation and sprinkler systems
4. It improves plant growth potency and cell wall thickness
5. It increases the hardness of the fruits, which makes the fruits bear transport and shipping for long periods

Reduces the chances of developing physiological diseases resulting from deficiency of elements, especially calcium, the most important of which are the following:

- Cucumber fruits are deformed
- Terminal shoots deform and die in citrus
- Floral tip rot in tomato, pepper and grain
- Dead spots in the marrow area of potatoes
- The bitter pit in an apple
- Plant weakness and lack of alfalfa production
- Burning lettuce and cauliflower leaves

Usage rates:

Use at a rate of 3 liters per hectare (10,000 square meters) or spray at a rate of 3 ml per liter
Greenhouses 1 liter every 30 days - Fruit trees and palms 4 liters per hectare - Foliar spray 3 grams per 1 liter of water



SALT FIGHTER

10 - 0 - 0 + 15 Ca + 23% OM



SALT FIGHTER

10 - 0 - 0 + 15 Ca + 23% OM

Properties of Salt Fighter:

1. Salt fighter separates and excretes sodium salts of soil
2. Component that removes elemental chlorine of soil because its toxic for plant
3. Salt fighter removes the toxic element Boron of soil and Keeps the element with the range which didn't affect the soil
4. Salt fighter reduces So_4 in soil which is known to be harmful to plants at high levels
5. Salt fighter removes the effect of the negative osmotic pressure in the soil on the roots due to the high salts of the soil, depleting the potential and stored energy of the plant during the absorption of water and food by the roots and requiring the discharge of voltage and high power
6. Salt fighter has the effect of reducing the PH of soil
7. Salt fighter operates within a few days with a very high growth rate, which has a positive effect on increasing the quantity and improving the quality of production
8. Salt fighter in addition to washing the soil of harmful elements is a rich source of calcium that takes advantage of the fluctuations in providing for this important element
9. Salt fighter has a clear effect on the speed and growth of plant roots because the compound contains decarboxylase acids
10. Salt fighter makes plants grow so remarkably strong that they can withstand extreme climatic conditions



Usage rate:

Axial spraying and inundation 5 L/ha

Protected houses 1 L/ha

Drip irrigation 6.5 L/ha

Note:

Don't add fertilizer before and after 4 days of product use

Mix ability:

It is not recommended to mix with any fertilizer, specially sulfur, phosphorus or alkaline compounds such as copper



3. THE BIOLOGICAL BENEFITS OF HUMIC ACID FERTILIZERS

- Humic fertilizers stimulate plant lively and stimulate beneficial microorganisms
- Activate plant enzymes and increase their productivity
- It acts as an organic catalyst in many biological processes that increase plant growth
- It stimulates the growth and reproduction of beneficial and desirable microorganisms in the soil
- Promotes vertical and horizontal root growth and enables better water and nutrient absorption
- It increases the self and vital resistance of plants against diseases and epidemics that afflict them
- It increases the development of chlorophyll, sugars and amino acids and aids in photosynthesis
- Increase the rate of vitamins and minerals in plants and their products such as fruits, grains and fruits
- Increase the thickness of the cell walls in the fruit and prolong the period of storage and preservation
- Induces plant growth (producing more biomass) by accelerating cell division, increasing the rate of development of root systems, and increasing the yield of dry material significantly.
- Significantly improves the characteristics of crops in terms of their appearance and nutritional value, and restores their original taste and flavor

USAGE RECOMMENDATIONS

It is added to the soil with irrigation water or with pivot sprinklers, and it is used in all lands and on all agricultural crops such as vegetables and fruits, grains, fodder, ornamental plants and green spaces. Can be guided by the following table

USAGE RATES

Cereals (wheat, barley, maize) 8 kg / per hectare, forage crops 2 kg / hectare

Exposed vegetables 10 kg / hectare - Greenhouse 10 kg / hectare

Ornamental plants 2 kg / hectare - Fruit and palm trees 5 kg / ha

Green areas 2 kg / ha



AGRICULTURE

Master

Humic Fulvic Acid

Soluble Crystal



Important note: For trees, the period of addition is every three months, so there is no need to repeat the addition of soil every month

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Master Humic Fulvic Acid



The best compound that works to reduce pH of soil and convert it from alkaline to acidic state

1. PHYSICAL BENEFITS



- Master Humic Fulvic Acid works to improve soil construction and increase its fertility
- It prevents the loss of water and nutrients in light and sandy soils while at the same time their transformation into fertile soil
- The plant in hot regions can resist difficult conditions due to the property of soil retention of water around the root zone, which helps the plant to take its water needs for a long period of time after the irrigation process that was carried out
- Improves soil aeration, increases water retention in heavy and cohesive soils, and facilitates tillage procedures and all agricultural operations
- It prevents soil cracking, surface water erosion and soil erosion by increasing the ability of colloids to hold soil parts together.
- It helps the soil to become soft and spongy, thus increasing the aeration of the soil and helping the plant roots to grow easily and as a result, their production capacity increases.
- It increases the water holding capacity of the soil, which leads to water savings and drought resistance

2. CHEMICAL BENEFITS OF MASTER HUMIC FULVIC ACID

- Chemically changes the properties of the soil for the better
- The compound works to balance and regulate acidity and alkalinity in the soil
- Improves and activates the absorption of water, organic and mineral nutrients by plants
- Works as a natural suspensory of mineral ions under alkaline conditions and increases the absorption by the roots
- Maintains water-dissolved inorganic fertilizers in root areas and reduces their leaching and escape into the groundwater.
- It has very high ion exchange capabilities
- Increases the conversion of nutrients (Fe, Zn, Mn, B, Cu+N, P, K, and other trace mineral elements) into available forms (available) for plants
- It increases the plant's nitrogen absorption and prevents the plants from turning yellow
- Reduces the reaction of phosphorous with calcium, iron, magnesium and aluminum and liberates them into a form available and beneficial to the plant
- Significantly increases the effectiveness of absorption of mineral elements from mineral fertilizers
- It releases carbon dioxide from calcium carbonate into the soil and enables it to be used in photosynthesis
- It helps to eliminate plant yellowing (phosphorous pallor) in the growing tip resulting from iron deficiency in the soil, all because of the low PH number achieved after adding the compound to the soil and thus it can absorb the various elements available in the soil at different pH levels.
- Dissolves and significantly reduces the effect and presence of (saline substances, toxins, chemical and oil pollutants) in the soil

