
unikeyterra
SKILLED FERTILIZERS FOR QUALITY NUTRITION
2023-2024 PRODUCT CATALOGUE
www.unikeyterra.com

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İçindekiler

UNIKEYTERRA, which has achieved successful momentum in the production and export of agricultural chemicals since the 2000s, considers it a duty to offer its international sectoral knowledge to the benefit of our domestic producers and international customers.

UNIKEYTERRA has become an indispensable brand for farmers in more than 50 countries with the plant nutrition, biostimulant and soil regulators it formulates thanks to its modern production infrastructure blending technology with its 35 years of agricultural experience.

Our team of professional engineers transforms raw materials meticulously selected from all over the world into superior quality UNIKEYTERRA products, thanks to advanced technology production equipment, in our granular, powder, liquid and gel fertilizer production facilities built on a total of 100 decares of land.

Our Mission

To create agriculture-oriented value for all our stakeholders and our environment by ensuring the use of the right product, in the right proportion, at the right time, in the right place.

Our Vision

To make healthier nutrition opportunities accessible to all humanity thanks to our environmentally friendly sustainable agricultural solutions.

Our Principles

Social Responsibility

At UNIKEYTERRA, we design our business to provide the most beneficial outcomes for our people and our environment.

Quality

At UNIKEYTERRA, standards have been developed regarding the operation of production processes and the high quality approach in the service offered to you, and their continuity is guaranteed in the administrative context.

Felxibility

UNIKEYTERRA team takes the initiative with a selfless awareness to meet every need of the farmer in a timely and appropriate manner.

Innovation

UNIKEYTERRA's corporate culture is dominated by the "how can I make the current situation better" mentality. Analyzed international and domestic customer feedback, uninterrupted R&D studies, field experiments, rapid adaptation of new technologies

unikeyterra

Why UNIKEYTERRA?

Wide range of products

The product most suitable for the crop you plant, your climate and soil structure is specially produced for you. Our featured varieties containing 100% water-soluble nano NPKs, organominerals, gel and liquid fertilizers with macro and micro nutrients, humic and fulvic acid are among our best-selling product categories that have been tried in more than 50 countries.

Strong distribution network

Because we know that the ease of obtaining the product is vital for your timely use...

Product and service quality

Our ISO 9001 certified products are offered to you by our trained experts within the framework of our corporate norms. Our work on organic certified products continues.

Agricultural consultancy service

Because we know that as we raise the awareness of our farmers, their income will increase, more abundant crops will reach more people, and environmentally conscious agricultural activities will minimize the damage to nature.


36%
73%
58%

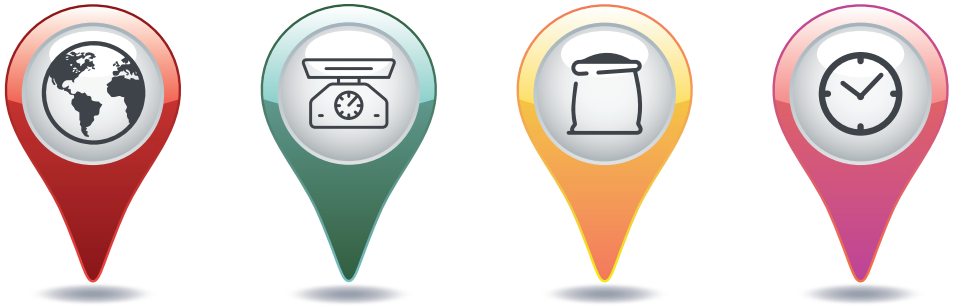
Unikeyterra's way to improve quality, sustainability and safety

Environmental Protection	In 2000, Unikeyterra started on the environment and total high quality route, starting with ISO 14001. Today, there is a dedicated staff who use their expertise to protect the environment and improve quality and safety within and outside the company borders.
Product Quality	Involved in following the highest quality standards of products since its establishment, Unikeyterra received ISO 9001 certification in 2001. We implemented ISO 9001, which was already structured and widely prepared for quality management, in a short time and made the company prone to traceability procedures.
R&D	Research on the products and product groups needed due to the developing world and the increase in agricultural activities constantly improves the production of liquid, powder, granule and suspension fertilizers with appropriate composition.
Science and Technology	Always aiming for high quality, Unikeyterra continues to make investments for fast and reliable production by following the developing technology.

We create a sustainable future for people and nature.

For 35 years, Unikeyterra has been enabling farmers to make the most of their production by optimizing the use of production inputs in line with their goals.

CORRECT FERTILIZER USE



Plant Nutrients

It is reported that plants need 14 basic plant nutrients at a basic level, besides Carbon (C), Hydrogen (H) and Oxygen (O). Each element has different functions in the development and reproduction of the plant. Each plant nutrient is required in different amounts depending on its effect and mobility. Fertilizer applications made by paying attention to the amount of nutrients required by the plant variety, the reactions of the nutrients in the plant and the soil, and the interactions between them are important to achieve results.

Functions of Essential Plant Nutrients

Nitrogen : It is found in the structure of protein, chlorophyll, nucleic acid and amino acids. It is necessary for new cell formation, normal root and stem development, growth and productivity.

Phosphorus : It is effective in the formation and division of cells. It is found in the structure of many proteins, enzymes and nucleic acids. It plays an active role in energy storage and metabolic events. It is responsible for the transportation and storage of substances such as sugar and starch. It is absolutely necessary for flowering and root formation.

Potassium : It plays an active role in stomatal control, photosynthesis and respiration. Provides osmotic pressure and water balance. It reduces susceptibility to plant diseases and abiotic stresses. It resists salinity. It is effective in the transportation of sugars and quality.

Calcium : It is an important building block of the cell wall. It reduces susceptibility to diseases. It is found in the structure of the cell membrane and determines membrane permeability. It is effective in cell elongation and division.

Magnesium : It is necessary for photosynthesis. It is found in the structure of chlorophyll. It acts as an enzyme activator. It plays an active role in the phosphorus mechanism.

Sulfur : It is necessary for the synthesis of vitamins, amino acids, enzymes and some hormones. Since it is found in the structure of amino acids, it is responsible for protein production.

Iron : It is necessary for chlorophyll synthesis and is responsible for enzymatic reactions in the plant. It is also important for breathing.

Zinc : It is necessary for chlorophyll. It is effective in transporting carbohydrates and using sugar. It is important in the uptake of water into the plant. It helps the enzyme system that regulates important metabolic activities. It provides plant hormone (auxin) synthesis.

Boron : It is important for sugar transport and carbohydrate metabolism. It is effective in calcium transport, cell wall formation and cell division. It is necessary for germination and elongation of the pollen tube, that is, fertilization.

Copper : It is a catalyst for respiration. It is found in the structure of many enzymes. It is effective for chlorophyll formation and photosynthesis. It is another building block of the cell wall.

Molybdenum : It is effective in the phosphorus mechanism. It is necessary for nitrogen fixation (nitrogen metabolism). It is found in the structure of some enzymes.

Manganese : It is necessary in the process of photosynthesis, helps the formation of chlorophyll. It enables the activation of some enzymes. It takes part in chemical reactions (ion and electron exchange).

Chlorine : It is necessary for oxygen production in photosynthesis. Enzyme activation is effective in carbohydrate metabolism. The plant has an effect on water balance.

Nickel : It takes part in some enzyme reactions and is effective in the nitrogen cycle, urease functions and seed germination.

These minerals; Just as they encourage the uptake of each other, the excess of one element can negatively affect the uptake of the other. (For example, high phosphorus level may cause iron and zinc fixation)
In soil and foliar applications, micronutrient elements, especially those with a positive charge (iron, copper, zinc, magnesium, manganese, calcium, etc.), become unabsorbable in chemical reactions, are retained and may become unusable by the plant. Covering these elements with protective chelating organic compounds is necessary for fertilization to achieve its purpose. In fertilizer production, quality chelate compounds should be preferred to ensure that nutrients remain stable in the soil solution over a wide pH range.
Efficiency and quality in agricultural production; It is negatively affected by the fact that the chemical and physical properties of the soil are not in optimum conditions (pH, organic matter content, salinity, inadequate ventilation, arid conditions), biotic and abiotic stress factors, and the restriction of fertilizer and pesticide applications to reduce production costs. On the other hand, the increase in the nutritional element requirement of the new varieties produced, in addition to the increased fertilizer and pesticide applications, leaves residues in both natural resources and the produced agricultural plants, which not only affects the quality, but also negatively affects public health.
For this purpose, substances called activators / biostimulants / plant growth promoters, which increase the effectiveness and uptake of the plant nutrients used and some of which also have regulating effects on the soil structure, come to the fore. While biostimulants are used alone, their effects are increased by adding them to the fertilizer formulations to be applied at the production stage. Biostimulants; have different effects on plant metabolism; In order to accelerate the basic physiological processes of plants by supporting growth and productivity, to positively affect the nutrition of plants, product quality and yield, to increase the stress resistance of plants by chelating effect; They are materials that are applied to the leaves, soil, root area or seeds, and may contain organic or inorganic compounds and microorganisms.
Groups considered biostimulants:

There are 20 types of amino acids that have different effects on plant metabolism. (Glutamate, histidine, proline, glycine betaine etc.)
Protein hydrolysates (Polypeptides) - Enzymes - Vitamins - Seaweed Extracts (Alginic acid)
Plant Hormones (Auxin, Stokinin, Gibberelins) - Humic and Fulvic Acids - Chitin and Chitosan Polymers - Beneficial Fungi and Bacteria

These compounds have different effects on the developmental stages of the plant and in the soil. With these positive properties, it can be added to fertilizers in suitable formulations, and very good results can be achieved at whatever stage of the plant it is desired to benefit. (For example; alginic acid and auxins increase cell division, which enables the formation of roots. Gibberelins promote germination by breaking the dormancy of the seeds, etc.)

Drip and Foliar Fertilizers Completely Soluble in Water

Unikeyterra

Drip and Foliar Fertilizers Completely Soluble in Water

General Features of the Products

These are products using high quality raw materials that are ground to micron size, dissolve quickly and completely in water, and do not cause phytotoxicity in the plant.
They are formulations with increased effectiveness with special chelated microelements that plants can benefit from at the highest level.
The products have formulations that are suitable for leaf and soil use and are prepared to meet the various nutrient needs of the plant in different development periods.
In addition to nitrogen, phosphorus, potassium and chelated trace elements, it stimulates plant metabolism in different phenological periods (root formation and development, flowering, fruit set and ripening); Perfect formulations enriched with amino acids, enzymes, plant growth promoters and vitamins are aimed.
It ensures the healthy development of plant organs with effective and continuous nutrition thanks to different nitrogen forms.
In order to maximize the transfer of nutrients to the plant in high soil pH conditions; These are products developed for active feeding, taking into account the interaction between elements.
The formulations do not cause blockages in the drip irrigation system due to their low salt index.
The risk of caking is minimized.

Effects provided according to the preferred formulation and vegetation period

*Healthy root development
* Balanced flowering
*Supporting fruit set and ensuring standard fruit formation.
*Supporting protein synthesis by increasing photosynthesis
* Uptake of nutrients by the plant even in adverse soil (high pH and EC etc.) and climate conditions
* Ensuring the continuity of plant metabolism against biochemical and climatic stress conditions
*Increasing yield and quality (fruit color and aroma)

Our Completely Water Soluble Fertilizer Series

Key Professional
Despero
Miracle
Plantmate

Key Professional

MICRO CRYSTAL FERTILIZER SERIES

"'KEY Professional" Its content is expanded with complex structured compounds (chelators, enzymes, vitamins, amino acids and natural plant growth promoters), high quality macro and micro nutrients, 100% water soluble micro-crystalline nano nutrients that are highly absorbed by the plant in all types of soil conditions. They are fertilizers suitable for both soil and foliar use in technological, drip irrigation and other pressurized irrigation systems.

Unikey Professional's rich content of superior quality macro and micronutrients is designed in numerous formulations to meet every need of a plant throughout its life. It increases the productivity of your plants by up to 30% compared to traditional mineral fertilizers. It maximizes the yield and nutritional value of your products and extends their shelf life. It provides a beneficial effect on the soil due to its buffering feature. It increases biotic and abiotic stress tolerance in plants. Key Professional series can be used safely in sprinkler irrigation, mini spring and pulverization systems.

Plants generally obtain most of their nutrients from the soil through their roots. With this; Even if all nutrients are present in sufficient quantities in the soil, plant roots may not be able to absorb nutrients in extremely cold and hot weather conditions or in soils with high pH. In these conditions, the Key Professional series is also an effective solution for foliar fertilization. Thanks to its microcrystalline particles and complete solubility in water, it can quickly pass through plant stomata and respond to the plant's nutrient needs in a short time.

It acts quickly thanks to its complex activators.

High quality raw materials ensure rapid uptake and healthy plant development.

Since it does not contain chlorine, it is safer and more effective in drip irrigation.

It has a buffering effect with low pH and EC values.

Plant uptake performance is high in all climatic conditions.

The risk of caking is minimized.

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Nitrate (NO3-N)	Phosphorus (P2O5)	Potassium (K2O)	Sulphur (SO3)	Calcium (CaO)	Magnesium (MgO)	Boron (B)	Copper (Cu)	Iron (Fe)	Zinc (Zn)	Manganese (Mn)	Molybdenum (Mo)
10-52-10+TE	10	-	10	-	52	10	-	-	-	0,02	0,02	0,06	0,03	0,03	0,002
10-20-0+2CaO+4MgO	10	3	7	-	20	-	-	2	4	-	-	-	-	-	-
15-30-15+TE (NO3-N)	15	-	8,8	6,2	30	15	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
0-40-40+TE	-	-	-	-	40	40	-	-	-	0,02	0,02	0,06	0,03	0,03	0,002
20-20-20+TE	20	17	3	-	20	20	-	-	-	0,02	0,02	0,06	0,03	0,03	0,002
16-8-24+2MgO+10SO3+TE (NO3-N)	16	-	6,5	9,5	8	24	10	-	2	0,01	0,01	0,04	0,02	0,02	0,001
17-7-21+6,5CaO+2,5MgO	17	15	2	-	7	21	-	6,5	2,5	-	-	-	-	-	-
6-0-27+6CaO+4MgO	6	-	6	-	-	27	-	6	4	-	-	-	-	-	-
5-0-40	5	5	-	-	-	40	-	-	-	-	-	-	-	-	-

Unikey Professional 10-52-10+TE

ROOTING AND ABUNDANT FLOWERING

Unikey Professional 10-52-10+TE: Provides effective, fast and rich nutrition to your plants. The formulation containing high quality raw materials makes a difference with high solubility and accessibility. It can be used in all kinds of irrigation systems. With its high content of water-soluble phosphorus, equal amounts of nitrogen, potassium and sufficient amounts of microelements, it can be labeled as a root and flower strengthener. High quality chelation of the microelements in its content has been studied for excellent availability even in a wide soil pH range.

Phosphorus is necessary for seed germination and good root development of young plants. Phosphorus is a nutrient that is needed especially in the early stages of plant development and can be stored by plants, therefore it is recommended to be used especially in the generative period and pre-flowering period. In addition; It encourages tillering and accelerates maturation.

The nitrogen it contains stimulates green leaf growth and supports fruit and seed development, in a form that can be absorbed both easily (ammonium) and slowly (urea). Phosphorus supports energy transfer throughout the plant for root development and flowering; Potassium is necessary for photosynthesis. It regulates many metabolic processes necessary for growth, fruit and seed development. It increases the cold and drought tolerance of plants and supports disease and pest resistance.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	10%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	52%
Water Soluble Phosphorus Penta Oxide (P2O5)	52%
Water Soluble Potassium Oxide (K2O)	10%
Water Soluble Boron (B)	0.02%
Water Soluble Copper (Cu)	0.02%
Water Soluble Iron (Fe)	0.06%
Water Soluble Manganese (Mn)	0.03%
Water Soluble Molybdenum (Mo)	0.002%
Water Soluble Zinc (Zn)	0.03%

Methods of Application and Dosages

500-1500 g/da/day is applied from the soil with irrigation water (except for cereals and green areas). In foliar application, 150-350 cc is applied to 100 liters of water. These values are recommendations. Appropriate doses can be determined by people with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Key Professional 15-30-15+TE (Nitrate Nitrogen)

ROOTING, BODY FORMATION, ABUNDANT FLOWERING

It has a finely ground microcrystalline structure that dissolves completely and quickly in water, meeting the needs of macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn.
It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.

By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
By using raw materials that do not cause salt problems, problem-free fertilization and high productivity are aimed throughout the vegetation period.
KEY PROFESSIONAL 15-30-15+TE; It is suitable for use in greenhouse and open field vegetables, fruit trees, citrus fruits, vineyards, in the seedling or sapling period, at the beginning of development and in all periods when high phosphorus is needed.
It is a fertilizer applied directly to the soil or via a drip irrigation system.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	8,8%
Nitrate Nitrogen (N)	6,2%
Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Potassium Oxide (K20)	15%
Water Soluble Boron (B)	0,01%
Water Soluble Copper (Cu)	0,01%
Water Soluble Iron (Fe)	0,04%
Water Soluble Manganese (Mn)	0,02%
Water Soluble Molybdenum (Mo)	0,001%
Water Soluble Zinc (Zn)	0,02%

Methods of Application and Dosages

It is a fertilizer applied directly to the soil or via a drip irrigation system.
0.3-1.5 kg/da/day is applied with irrigation water from the soil (Except for Cereals and Green Areas. These values are recommendations. This amount depends on climate, soil type, air temperature, type of plant, productivity status, difference of irrigation system. It may vary due to reasons such as. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Key Professional 10-20-0 + 2 CaO + 4 MgO

RESISTANCE TO DISEASES / ROOT DEVELOPMENT AND FLOWERING

Key Professional 10-20-0 + (2 CaO) + (4 MgO) is a premium NP that is 100% water soluble. It is a special product that does not contain toxic substances or insoluble residues. Key Professional 10-20-0 + (2 CaO) + (4 MgO) contains a high concentration of Phosphorus and also balances the Nitrogen concentration, which helps your plant convert other nutrients into usable building blocks. Key Professional 10-20-0 + (2 CaO) + (4 MgO) is compatible with all types of irrigation systems with its long-lasting performance. This specially fortified product also contains micronutrients rich in Calcium and Magnesium, which make your plant perfect even in adverse conditions. Since phosphorus in the soil cannot be utilized sufficiently due to soil and climatic factors, it is the ideal nutrient source for plants with phosphorus deficiency and therefore weakened growth and development. When applied in the early development stages of the plant, it accelerates root development and strengthens the root system. When applied before flowering, it helps strong and balanced flowering, increases grain and fruit set, and can be used safely in cases where nutritional supplements need to be added from the leaves.

When plants cannot get enough phosphorus, they slow down the development of aboveground organs and accelerate root growth. This situation prolongs the vegetative development period and negatively affects the quantity and quality of the product in the future.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	7%
Urea Nitrogen (N)	3%
Water Soluble Phosphorus Penta Oxide (P2O5)	20%
Water Soluble Calcium Oxide (CaO)	2%
Water Soluble Magnesium Oxide (MgO)	4%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Beans, Melon etc.	It should be used during the rapid development periods of the vegetable from seedling planting to harvest.	100-150	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used during the rapid development periods of the vegetable from seedling planting to harvest.	100-150	1 - 1.5
Fruit Trees	It should be used by dividing into 3-4 applications before and after flowering.	125-175	50 - 100 gr / tree
Vineyards	It should be used by dividing into 3-4 applications before and after flowering.	150-200	1.5 - 2
Olive	It should be used by dividing into 3-4 applications before and after flowering.	125-150	50 - 100 gr / tree
Citrus	Pre-flowering and post-flowering application	125-150	50 - 100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting	100-125	100 gr / plot
Strawberry	3-4 applications every 10-15 days before the color starts to turn during the vegetative development period.	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications by dividing during the vegetative development period after hoeing	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering	100-150	1.5 - 2
Cotton	It is given by dividing into 1-2 applications before the beginning of combing and before flowering.	100-125	1 - 1.5

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Professional 20-20-20+TE

NPK Gübresi Harmanlanmış

Unikey Professional 20-20-20+TE is the formulation that provides equal amounts of nitrogen, phosphorus and potassium needs of plants in their young and advanced stages, and should be used in plants that want abundant blooms in their later stages. It is a formulation suitable for use in soil and foliage, which meets the needs of horticultural plants and greenhouses for macro plant nutrients such as N, P, K, as well as micro elements such as B, Cu, Fe, Mn, Mo, Zn, whose effectiveness is increased with EDTA chelation technology, and is completely soluble in water. It can be used throughout the season on cut flowers and green leafy vegetables, after flowering in orchards, and at the beginning of tuber development in tuberous plants. During cold periods, pepper helps strengthen the green parts of the cucumber plant.

Unikey Professional 20-20-20+TE with high nutrient use efficiency is the result of the latest approach to precision and sustainable agriculture. This environmentally friendly, super effective formulation improves your agricultural practices, delivers high performance even in adverse conditions and reduces the need for additional inputs. It reduces production costs and environmental pollution by minimizing leakage, runoff and gas emissions into the atmosphere. It increases the productivity of your plants by up to 30% compared to traditional mineral fertilizers. It maximizes the yield and nutritional value of your products and extends their shelf life. It provides a beneficial effect on the soil due to its buffering feature. It increases biotic and abiotic stress tolerance in plants. It is compatible with all irrigation and spraying systems.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	3%
Urea Nitrogen (N)	17%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	20%
Water Soluble Phosphorus Penta Oxide (P205)	20%
Water Soluble Potassium Oxide (K20)	20%
Water Soluble Boron (B)	0.02%
Water Soluble Copper (Cu)	0.02%
Water Soluble Iron (Fe)	0.06%
Water Soluble Manganese (Mn)	0.03%
Water Soluble Molybdenum (Mo)	0.002%
Water Soluble Zinc (Zn)	0.03%

Method of Application ve Dosages

500-1500 g/da/day is applied from the soil with irrigation water (except for cereals and green areas). In foliar application, 150-350 cc is applied to 100 liters of water. These values are recommendations. Appropriate doses can be determined by people with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Key Professional 16-8-24+2 MgO+10 SO3+TE (Nitrate Nitrogen)

LONG SHELF LIFE IN VEGETABLES AND FRUITS

It has a finely ground microcrystalline structure that dissolves completely and quickly in water, meeting the needs of macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn.

Contains additional magnesium (Mg) and sulfur (S). While magnesium increases photosynthesis, the presence of sulfur in its content ensures maximum assimilation of nutritional elements by plants.

It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.
By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
By using raw materials that do not cause salt problems, problem-free fertilization and high productivity are aimed throughout the vegetation period.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	16%
Ammonium Nitrogen (N)	6,5%
Nitrate Nitrogen (N)	9,5%
Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Potassium Oxide (K2O)	24%
Water Soluble Sulfur (SO3)	10%
Water Soluble Magnesium (MgO)	2%
Water Soluble Boron (B)	0,01%
Water Soluble Copper (Cu)	0,01%
Water Soluble Iron (Fe)	0,04%
Water Soluble Manganese (Mn)	0,02%
Water Soluble Molybdenum (Mo)	0,001%
Water Soluble Zinc (Zn)	0,02

Method of Application and Dosages

It is a fertilizer applied directly to the soil or via a drip irrigation system.
It is suitable for greenhouse and open field vegetables, edible vegetables, fruit trees, citrus fruits and bananas, vineyards, cut flowers, and soils where potassium intake is difficult.

It is applied at 7-10 day intervals during the ripening period when the potassium need of the plants is at its highest level. Usage dosage; 0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Key Professional 17-7-21 + 6.5 CaO + 2.5 MgO

INCREASED PHOTOSYNTHESIS / FRUIT DEVELOPMENT AND HARDNESS

Key Professional 17-7-21 + (6.5 CaO) + (2.5 MgO) is a premium NPK that is 100% water soluble. It is a special product that does not contain toxic substances or insoluble residues. **Key Professional 17-7-21 + (6.5 CaO) + (2.5 MgO)** contains a higher concentration of potassium and also balances the concentration of nitrogen and phosphorus.

Key Professional 17-7-21 + (6.5 CaO) + (2.5 MgO) is compatible with all types of irrigation systems with its long-lasting performance. This product is a formulation with calcium and magnesium added, aiming for healthy plant development and quality product, which brings perfection to your plant even under adverse conditions.
It can be used starting from the time the plant completes its main development and until the end of harvest.

Calcium in its content; It is an important building block of the cell wall. It reduces susceptibility to diseases. It determines the permeability of the cell membrane. It is effective in cell division.
Magnesium; It takes part in protein synthesis, many enzymatic reactions and the formation of vitamins, and increases photosynthesis.
Potassium-deficient plants may display small leaves and fruit, have reduced fruit quality, and become susceptible to drought.

Using **Key Professional 17-7-21 + (6.5 CaO) + (2.5 MgO)**;
By increasing chlorophyll synthesis, it helps the leaves maintain their green color.
Tomato, pepper, cucumber etc. You can use it against deformities and low productivity in your plants, as well as preventing many diseases (bloom end rot, fruit cracking) from damaging your plants.
It increases the amount of dry matter and sugar in the fruit.
It prevents water loss in the plant and gives shine to the product.
It supports the extension of the shelf life of vegetables, flowers and fruits.
It is suitable for drip irrigation and foliar use.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	17%
Ammonium Nitrogen (N)	2%
Urea Nitrogen (N)	15%
Water Soluble Phosphorus Penta Oxide (P_2O_5)	7%
Water Soluble Potassium Oxide (K_2O)	21%
Water Soluble Calcium Oxide (CaO)	6.5%
Water Soluble Magnesium Oxide (MgO)	2.5%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Beans, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set	150-200	50 - 100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period, and by increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	Divided into the last 2-3 irrigations	150-200	50 - 100 gr / tree
Citrus	It is divided into 3-4 applications during the fruit growth and ripening period.	125-150	50 - 100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications by dividing after hoeing	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering	100-150	1.5 - 2
Cotton	Fruit growth period	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Key Professional 6-0-27 + 6 CaO + 4 MgO

INCREASED PHOTOSYNTHESIS / FRUIT DEVELOPMENT AND HARDNESS

Key Professional 6-0-27 + (6 CaO) + (4 MgO) is a premium NK that is 100% water soluble. It is a special product that does not contain toxic substances or insoluble residues.
Key Professional 6-0-27 + (6 CaO) + (4 MgO) contains a high concentration of Potassium and a balancing concentration of nitrogen, calcium and magnesium. It can be used from fruit formation to harvest.
Calcium; It is an important building block of the cell wall. It reduces susceptibility to diseases. It determines the permeability of the cell membrane. It is effective in cell division.
Magnesium; It plays a role in protein synthesis, many enzymatic reactions and the formation of vitamins. It increases photosynthesis.
Potassium-deficient plants may show small leaves and fruits, fruit quality decreases, and they become susceptible to drought.

Using **Key Professional 6-0-27 + (6 CaO) + (4 MgO)**;
By increasing chlorophyll synthesis, it helps the leaves maintain their green color.
Tomato, pepper, cucumber etc. You can use it against deformities and low productivity in your plants, as well as preventing many diseases (bloom end rot, fruit cracking) from damaging your plants.
It increases the amount of dry matter and sugar in the fruit.
It prevents water loss in the plant and gives shine to the product.
It supports the extension of the shelf life of vegetables, flowers and fruits.
It is suitable for drip irrigation and foliar use.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	6%
Ammonium Nitrogen (N)	6%
Water Soluble Potassium Oxide (K2O)	27%
Water Soluble Calcium Oxide (CaO)	6%
Water Soluble Magnesium Oxide (MgO)	4%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Greenhouse Vegetables	It is applied 4-5 times starting from the 4-5 leaf period of the plants.	100-200	1 - 2
In Open Field Vegetables	It is applied 4-5 times starting from the 4-5 leaf period of the plants.	100-200	1.5 - 2
Melon, Watermelon, Strawberry	It is applied 4-5 times starting from the 4-5 leaf period of the plants.	100-200	1 - 2
Apple, Pear, Quince	It is applied 3-4 times with an interval of 20 days starting from fruit set.	100-200	1 - 2
Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum	It is applied 3-4 times with an interval of 20 days starting from fruit set.	100-200	1 - 2
Grape, Banana, Pomegranate, Fig	It is applied 3-4 times with an interval of 20 days after flowering.	100-200	1 - 2
Citrus, Olive, Tea	It is applied 3-4 times with an interval of 20 days after flowering.	100-200	1 - 2
Hazelnut, Walnut, Pistachio, Chestnut	It is applied 3-4 times with an interval of 20 days starting from fruit set.	100-200	1 - 2
Cotton, Corn, Sunflower, Soybean, Canola	It is applied 1-2 times starting from the 4-5 leaf period of the plants.	100-200	1 - 2
Cabbage, Radish, Carrot, Celery, Cauliflower	It is applied 1-2 times starting from the 4-5 leaf period of the plants.	100-200	1 - 2
Legumes, Forage Crops etc.	It is applied 1-2 times starting from the 4-5 leaf period of the plants.	100-200	1 - 2
Cereals (Wheat, Barley, Oats, Rye etc.)	It is applied 1-2 times starting from the 4-5 leaf period of the plants.	100-200	1 - 2
Sugar Beet, Potato, Paddy etc.	It is applied 1-2 times from the formation of the tuber.	100-200	1 - 2
Onion, Garlic	It is applied 1-2 times from the formation of the tuber.	100-200	1 - 2
Green Spaces	It is applied 2-3 times as needed.	100-200	1 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Key Professional 5-0-40

FRUIT DEVELOPMENT AND QUALITY

With its high nutrient use efficiency, Key Professional 5-0-40 is the result of the latest approach to precision and sustainable agriculture. It is a formulation based on potassium, one of the nutrients that plants need most. It can be used from fruit formation to harvest.

It accelerates ripening thanks to high potassium. It supports the plant with the nitrogen it contains. It ensures the filling of clusters and grains, especially in the period close to harvest.

It increases resistance to diseases and pests.
It increases resistance to cold and drought.
It increases fruit quality (color, taste, appearance).
It maximizes the yield and nutritional value of the products, extends the shelf life and increases the market value.
It ensures healthy plant growth and development.
It provides a beneficial effect in adverse soil conditions due to its buffer feature.
The additional enzyme and amino acid complexes it contains increase biotic and abiotic stress tolerance in plants.
It is compatible with all irrigation systems.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	5%
Urea Nitrogen (N)	5%
Water Soluble Potassium Oxide (K2O)	40%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Beans, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	150-200	3 - 5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	150-200	3 - 5
Fruit Trees	After fruit set, it is divided into 3-4 applications.	150-200	100-150 gr / ağaç
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period, and by increasing it especially during the fruit ripening period.	150-200	3 - 5
Olive	Divided into the last 2-3 irrigations	200-250	100-150 gr / ağaç
Citrus	It is divided into 3-4 applications during the fruit growth and ripening period.	200-250	150-200 gr / ağaç
Hazelnut	2 applications, 15-20 days apart, before June casting	150-200	150 gr / ocak
Strawberry	3-4 applications 7-10 days apart before the color starts to turn	150-200	1.5 - 2
Sugar Beet, Potato, Carrot	3-4 applications at 7-10 days intervals immediately after flowering (25-30 days before)	200-250	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering	150-200	1.5 - 2
Cotton	2-3 applications at 7-10 days intervals at the beginning of I fall into the cocoons.	200-250	1.5 - 2

Bu değerler tavsiye niteliğindedir. Uygun dozlar tarımsal analiz sonuçları ve bitkilerin gelişme durumuna göre bu konuda teknik bilgisi olan kişilerce belirlenebilir. Tavsiye edilen uygulama miktarını aşmayınız.

Unikey Professional 0-40-40+TE

SHORTENING OF THE INTERNODES AND FLOWERING

It is used by dissolving it in water in the young and advanced stages of plants. It is a solid form fertilizer that meets the needs of horticultural plants and greenhouses for macro plant nutrients such as phosphorus and potassium and micro elements such as B, Cu, Fe, Mn, Mo, Zn, is completely soluble in water, and is applied to the soil and leaves.

Unikey Professional 0-40-40+TE is a special product that does not contain toxic substances or insoluble residues. This product specifically contains essential mineral elements necessary for the fruiting or flowering cycle; It provides phosphorus (P) and potassium (K) in pure form that is instantly accessible to your plants. Unikey Professional 0-40-40+TE is compatible with all kinds of irrigation systems with its long-lasting performance. This product is strengthened with amino acids, vitamins and special chelation; It provides excellent nutrition to plants even in adverse soil and climate conditions.

1 - 5 - 15 KG

Guaranteed Content (%w/w)

Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	40%
Water Soluble Phosphorus Penta Oxide (P205)	40%
Water Soluble Potassium Oxide (K20)	40%
Water Soluble Boron (B)	0.02%
Water Soluble Copper (Cu)	0.02%
Water Soluble Iron (Fe)	0.06%
Water Soluble Manganese (Mn)	0.03%
Water Soluble Molybdenum (Mo)	0.002%
Water Soluble Zinc (Zn)	0.03%

Methods of Application and Dosages

500-1500g/da/day is applied from the soil with irrigation water (except for cereals and green areas). In foliar application, 150-350 cc is applied to 100 liters of water. These values are recommendations. Appropriate doses can be determined by people with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended

Unikey Miracle

Advanced Water Soluble Fertilizer Series

Miracle

Water Soluble Microcrystalline Fertilizer Series

Miracle is one of our high quality NPK series fertilizers created using high purity raw materials we import.
Miracle, supported by amino acids and vitamins, has been made stronger with superior chelate technology to prevent it from binding in the soil, and has a different and faster absorbable structure than normal NPK fertilizers.

It is completely water soluble and can be used safely in drip irrigation systems. Miracle also has very low pH and EC values, allowing the plant to benefit from the macro and micro nutrients contained in highly alkaline soils at the maximum level, starting from the vegetative development period until the fruit harvest period.

The micronutrient elements in its composition are chelated with EDTA to prevent them from forming bonds in the soil, and the micronutrient uptake of the plant is strengthened. It contains regulators that will positively affect the pH of the environment and soil.

Miracle 15-30-15+TE

Miracle 18-18-18+TE (Nitrate Nitrogen)

Miracle 20-20-20+TE

Miracle 20-10-20+TE (Nitrate Nitrogen)

Miracle 16-8-24+2MgO+10SO3+TE (Nitrate Nitrogen)

Miracle 16-8-24+TE

Miracle 12-12-36+TE (Nitrate Nitrogen)

Miracle 7-6-40+TE

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Nitrate (NO3-N)	Phosphorus (P2O5)	Potassium (K2O)	Sulphur (SO3)	Calcium (CaO)	Magnesium (MgO)	Boron (B)	Copper (Cu)	Iron (Fe)	Zinc (Zn)	Manganese (Mn)	Molybdenum (Mo)
15-30-15+TE	15	7	8	-	30	15	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
18-18-18+TE (NO3-N)	18	-	8,7	9,3	18	18	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
20-20-20+TE	20	16	4	-	20	20	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
20-10-20+TE (NO3-N)	20	-	8	12	10	20	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
16-8-24+2MgO+10 SO3+TE (NO3-N)	16	-	6,5	9,5	8	24	10	-	2	0,01	0,01	0,04	0,02	0,02	0,001
16-8-24+TE	16	9	7	-	8	24	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
12-12-36+TE (NO3-N)	12	-	2	10	12	36	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
7-6-40+TE	7	2	5	-	6	40	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003

Miracle 15-30-15+TE

ROOTING AND FLOWERING

Miracle 15-30-15+TE It provides effective, fast and rich nutrition to your plants. One of its unique properties is its ability to dissolve easily in water. Thanks to this feature, it can be used in all kinds of irrigation systems. Containing chelated microelements with a higher proportion of phosphorus than balanced nitrogen and potassium, it may be labeled as flower or flower enhancer. The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; Phosphorus supports energy transfer throughout plant development for root development and flowering; Potassium is essential for photosynthesis and regulates many metabolic processes necessary for growth and fruit and seed development. This affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. It contains regulators that will positively affect the pH of the environment and soil.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	8%
Urea Nitrogen (N)	7%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	30%
Water Soluble Phosphorus Penta Oxide (P2O5)	30%
Water Soluble Potassium Oxide (K2O)	15%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Plants Used, Application Time and Amount

Plant	Application Time	Method of Application	
		Foliar (gr/100 lt Water)	Soil (kg/da)
Open Field Vegetables, Tomatoes, Peppers, Eggplants, Cucumber, Beans, Melon etc.	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Fruit Trees	3-4 applications after fruit set	150-200	50 - 100 gr / tree
Vineyards	Divide into 3-4 applications during plant development, increase during fruit ripening.	150-200	1.5 - 3
Olive	Split into the last 2-3 waterings	150-200	50 - 100 gr / tree
Citrus	Divided into 3-4 applications during fruit growth and ripening period.	125-150	50 - 100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June castings	100-125	100 gr / plot
Strawberry	3-4 applications 1 week and 10 days apart before the color starts to change.	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications by dividing after hoeing	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications, 10-15 days apart, immediately after flowering	100-150	1.5 - 2
Cotton	Fruit growth period	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Miracle 18-18-18+TE (Nitrate Nitrogen)

MULTIPURPOSE BALANCED NUTRITION DURING PLANT DEVELOPMENT

Miracle 18-18-18+TE, in its production; Pure raw materials with high nutritional value, completely and quickly soluble in water, were used to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn.
Thanks to the special mixture in Miracle, NPK and microelements are easily absorbed by the plant. Thanks to the content of the formula, the desired optimum conditions are created in the plant root area and the plant is prepared for the most effective level of nutrients it can receive, thus maximizing the transport of plant nutrients to the plant. Thanks to its specially developed formula, it allows plants to go through extreme cold and hot periods more easily.
Miracle dissolves 100% in water without leaving any residue. The resulting solution keeps drip irrigation systems clean and does not cause clogging in the tubes. Thus, the plant receives nutrients in a regular and balanced distribution.

It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is minimized.
By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
It meets the nutritional needs of all kinds of plants, in all phenological stages and in all soil types, and provides increased productivity and quality.

Its low salinity and lack of chlorine provide high nutrition ability, and it does not cause damage and salt accumulation in your drip irrigation systems...

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	18%
Ammonium Nitrogen (N)	8.7%
Nitart Nitrogen (N)	9.3%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	18%
Water Soluble Phosphorus Penta Oxide (P205)	18%
Water Soluble Potassium Oxide (K20)	18%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Methods of Application and Dosages

It is a standard formulation that is used in the young stages of the plant and meets the needs of plants that need to bloom abundantly in later periods. It contains nitrogen, phosphorus and potassium in equal proportions. It meets the trace element needs of plants when applied regularly with its micro element contribution.
0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Miracle 20-20-20+TE

BALANCED NUTRITION DURING THE PLANT DEVELOPMENT PERIOD

Miracle 20-20-20+TE provides effective, fast and balanced nutrition to your plants at every stage of growth. In addition to macro plant nutrients such as N, P, K, it contains high levels of micro elements such as B, Cu, Fe, Mn, Mo, Zn. Its balanced formulation supports leaf development, enhances the vital root system, promotes healthy cell development and flower growth and ultimately fruit production. **Miracle 20-20-20+TE**, ensures that plants are strong enough to withstand any stress factor. It can be used throughout the season on cut flowers and green leafy vegetables, after flowering in orchards, and at the beginning of tuber development in tuber plants. During cold periods, pepper helps strengthen the green parts of the cucumber plant.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	4%
Urea Nitrogen (N)	16%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	20%
Water Soluble Phosphorus Penta Oxide (P205)	20%
Water Soluble Potassium Oxide (K20)	20%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Plants Used, Application Time and Amount

Plant	Application Time	Method of Application	
		Foliar (gr/100 lt Water)	Soil (kg/da)
Open Field Vegetables, Tomatoes, Peppers, Eggplants,Cucumber, Beans, Melon etc.	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set	150-200	50 - 100 gr / tree
Vineyard	Divide into 3-4 applications during plant development, increase during fruit ripening.	150-200	1.5 - 3
Olive	Split into the last 2-3 waterings	150-200	50 - 100 gr / tree
Citrus	Divided into 3-4 applications during fruit growth and ripening period.	125-150	50 - 100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June castings	100-125	100 gr / plot
Strawberry	3-4 applications 1 week and 10 days apart before the color starts to change.	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications by dividing after hoeing	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications, 10-15 days apart, immediately after flowering	100-150	1.5 - 2
Cotton	Druing fruit growth period	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Miracle 20-10-20+TE (Nitrate Nitrogen)

FRUIT DEVELOPMENT AND GREEN PARTS DEVELOPMENT

Thanks to the special mixture in Miracle 20-10-20+TE , NPK and microelements are easily absorbed by the plant. Thanks to the content of the formula, the desired optimum conditions are created in the plant root area and the plant is prepared for the most effective level of nutrients it can receive, thus the plant nutrients are transported to the plant at the highest level. Thanks to its specially developed formula, it allows plants to go through extreme cold and hot periods more easily.

Miracle dissolves 100% in water without leaving any residue. The resulting solution keeps drip irrigation systems clean and does not cause clogging in the tubes. Thus, the plant receives nutrients in a regular and balanced distribution.

It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is minimized.

By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.

It meets the nutritional needs of all kinds of plants, in all phenological stages and in all soil types, and provides increased productivity and quality.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	8%
Nitart Nitrogen (N)	12%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	10%
Water Soluble Phosphorus Penta Oxide (P205)	10%
Water Soluble Potassium Oxide (K20)	20%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Methods of Application and Dosages

In greenhouse and open field vegetables, edible vegetables, fruit trees, citrus fruits and bananas, vineyards, cut flowers; It is applied at 7-10 day intervals during the growing period, which includes the beginning of the vegetation period and the period when balanced nutrition is needed.

0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Miracle 16-8-24+2MgO+10SO3+TE (Nitrate Nitrogen)

FULL, FLAVORED AND DURABLE FRUITS

In its production, Miracle 16-8-24+2MgO+10SO3+TE is used completely in water with high nutritional value to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn. and fast-dissolving pure raw materials were used.
Contains additional magnesium (Mg) and sulfur (S). While magnesium increases photosynthesis, the presence of sulfur in its content ensures maximum assimilation of nutritional elements by plants.
Thanks to the special mixture in Miracle, NPK and microelements are easily absorbed by the plant. Thanks to the content of the formula, the desired optimum conditions are created in the plant root area and the plant is prepared for the most effective level of nutrients it can receive, thus maximizing the transport of plant nutrients to the plant. Thanks to its specially developed formula, it allows plants to go through extreme cold and hot periods more easily.
Miracle dissolves 100% in water without leaving any residue. The resulting solution keeps drip irrigation systems clean and does not cause clogging in the tubes. Thus, the plant receives nutrients in a regular and balanced distribution.
It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.
By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
It meets the nutritional needs of all kinds of plants, in all phenological stages and in all soil types, and provides increased productivity and quality.

Its low salinity and lack of chlorine provide high nutrition ability, and it does not cause damage and salt accumulation in your drip irrigation systems...

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	16%
Ammonium Nitrogen (N)	6.5%
Nitrate Nitrogen (N)	9.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Potassium Oxide (K2O)	24%
Water Soluble Sulfur (SO3)	10%
Water Soluble Magnesium (MgO)	2%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Methods of Application and Dosages

It is a fertilizer applied directly to the soil or via a drip irrigation system.
It is suitable for greenhouse and open field vegetables, edible vegetables, fruit trees, citrus fruits and bananas, vineyards, cut flowers, and soils where potassium intake is difficult.
It is applied at 7-10 day intervals during the ripening period when the potassium need of the plants is at its highest level.
0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Miracle 16-8-24+TE

FRUIT GROWTH AND MATURATION

Miracle 16-8-24+TE, is a nitrogen and potassium based fertilizer applied starting from the growth period of the fruits. It not only encourages the formation of hard and plump fruits along with fruit development, but also contains nitrogen, phosphorus and microelements such as B, Cu, Fe, Mn, Mo and Zn required for the development of the plant. It is necessary for abundant yield and quality products.

It is used from the time the plant completes its main development. It is a formulation that targets the formation of quality fruit in the plant by helping the fruit to become larger, plumper and harder, and better colored. It can be used until the end of harvest.

Miracle 16-8-24+TE is necessary for effective, fast and rich nutrition in your plants. The 16% Nitrogen (N) it contains provides strong, leafy growth and rich green color in your plants. Without enough nitrogen, growth slows and plants wilt.

High Potassium (K) content increases overall growth; It helps regulate root and top growth, keeping your plants healthy and balanced. This high potassium formulation affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance, and also helps transport water and sugar within the plant, making flowers and seeds stronger and fruits sweet and juicy. With its low phosphorus content, it will help reduce stretching and create more compact plants.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	16%
Ammonium Nitrogen (N)	7%
Urea Nitrogen (N)	9%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Potassium Oxide (K2O)	24%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Plants Used, Application Time and Amount

Plant	Appliaction Time	Method of Application	
		Foliar (gr/100 lt Water)	Soil (kg/da)
Open Field Vegetables, Tomatoes, Peppers, Eggplants, Cucumber, Beans, Melon etc.	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set	150-200	50 - 100 gr / tree
Vineyards	Divide into 3-4 applications during plant development, increase during fruit ripening.	150-200	1.5 - 3
Olive	Split into the last 2-3 waterings	150-200	50 - 100 gr / tree
Citrus	Divided into 3-4 applications during fruit growth and ripening period.	125-150	50 - 100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June castings	100-125	100 gr / plot
Strawberry	3-4 applications 1 week and 10 days apart before the color starts to change.	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications by dividing after hoeing	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications, 10-15 days apart, immediately after flowering	100-150	1.5 - 2
Cotton	Fruit growth period	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Miracle 12-12-36+TE (Nitrate Nitrogen)

HIGH POTASSIUM INTAKE AND FRUIT QUALITY

Miracle 12-12-36+TE, the ratio between macro elements (1:1:3), is generally suitable for the middle and late periods of the vegetative cycle of plants and meets the nutritional needs of plants requiring high amounts of potassium.
In its production, Miracle 12-12-36+TE is a pure product with high nutritional value, which dissolves completely and quickly in water, in order to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn. raw materials were used.
Thanks to the special mixture in Miracle, NPK and microelements are easily absorbed by the plant. Thanks to the content of the formula, the desired optimum conditions are created in the plant root area and the plant is prepared for the most effective level of nutrients it can receive. Thus, the transport of plant nutrients to the plant is maximized. Thanks to its specially developed formula, it allows plants to go through extreme cold and hot periods more easily.
Miracle dissolves 100% in water without leaving any residue. The resulting solution keeps drip irrigation systems clean and does not cause clogging in the tubes. Thus, the plant receives nutrients in a regular and balanced distribution.
It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.
By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
It meets the nutritional needs of all kinds of plants, in all phenological stages and in all soil types, and increases productivity and quality.

Its low salinity and lack of chlorine provide high nutrition ability, and it does not cause damage and salt accumulation in your drip irrigation systems...

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	2%
Nitart Nitrogen (N)	10%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	12%
Water Soluble Phosphorus Penta Oxide (P205)	12%
Water Soluble Potassium Oxide (K20)	36%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Methods of Application and Dosages

It is a fertilizer applied directly to the soil or via a drip irrigation system.
It is suitable for greenhouse and open field vegetables, edible vegetables, fruit trees, citrus fruits and bananas, vineyards, cut flowers, and soils where potassium intake is difficult...
It is applied at 7-10 day intervals during the ripening period when the potassium need of the plants is at its highest level.
0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Miracle 7-6-40+TE

FRUIT MATURATION AND HARVEST PERIOD

Miracle 7-6-40+TE, is a high-level plant nutrition formulation specially designed to eliminate and prevent potassium deficiency. It contains high potassium, low nitrogen and phosphorus. It encourages fruit development, reduces cracking, grows hard and plump fruits, and provides the nitrogen, phosphorus and microelements required for the development of the plant in the appropriate period. This product is ideal for carbohydrate-rich plants such as potatoes, which require potassium for tuber growth.

Miracle 7-6-40+TE has some prominent benefits of: Early ripening, improved color and increased sugar content, long shelf life of crops.
It dissolves completely eliminating the risk of any spray clogging.

Miracle 7-6-40+TE, is specially designed for growers who want fast results.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	7%
Ammonium Nitrogen (N)	5%
Urea Nitrogen (N)	2%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	6%
Water Soluble Phosphorus Penta Oxide (P205)	6%
Water Soluble Potassium Oxide (K20)	40%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Plants Used, Application Time and Amount

Plant	Application Time	Method of Application	
		Foliar (gr/100 lt Water)	Soil (kg/da)
Open Field Vegetables, Tomatoes, Peppers, Eggplants, Cucumber, Beans, Melon etc.	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	Divide it during product development, increasing usage in rapid vegetable growth phases.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set	150-200	50 - 100 gr / tree
Vineyard	Divide into 3-4 applications during plant development, increase during fruit ripening.	150-200	1.5 - 3
Olive	Split into the last 2-3 waterings	150-200	50 - 100 gr / tree
Citrus	Divided into 3-4 applications during fruit growth and ripening period.	125-150	50 - 100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June castings	100-125	100 gr / plot
Strawberry	3-4 applications 1 week and 10 days apart before the color starts to change.	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications by dividing after hoeing	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications, 10-15 days apart, immediately after flowering	100-150	1.5 - 2
Cotton	Fruit growth period	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Plantmate

Qualified Water Soluble Fertilizer Series

Plantmate

Qualified Water Soluble Fertilizer Series

YPlantmate series, obtained from high quality raw materials, is a completely water-soluble and residue-free fertilizer. It can be used in drip and other irrigation systems, and helps us use it for many years by increasing the life of irrigation systems. It is our effective drip series for healthy production with different formulations that we can use starting from the vegetative development period of the plant until the fruit harvest period.

Thanks to its low pH and EC values, Plantmate allows the plant to benefit from the macro and micro nutrients it contains at the maximum level. The microelements in its composition are chelated. Thus, since it is not washed or fixed, it is always available for plants. Additionally, the plant is enriched with amino acids and vitamins for stimulating effects. It contains regulators that will positively affect the pH of the environment and soil.

Plantmate 15-30-15+TE
(Nitrate Nitrogen)

Plantmate 18-18-18+TE

Plantmate 16-8-24+2MgO+10SO3+TE
(Nitrate Nitrogen)

Plantmate 15-30-15+TE

Plantmate 20-10-20+TE
(Nitrate Nitrogen)

Plantmate 18-18-18+TE
(Nitrate Nitrogen)

Plantmate 20-10-20+TE

Plantmate 16-8-24+TE

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Nitrate (NO3-N)	Phosphorus (P2O5)	Potassium (K2O)	Sulfur (SO3)	Calcium (CaO)	Magnesium (MgO)	Boron (B)	Copper (Cu)	Iron (Fe)	Zinc (Zn)	Manganese (Mn)	Molybdenum (Mo)
15-30-15+TE (NO3-N)	15	-	8,8	6,2	30	15	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
15-30-15+TE	15	9,2	5,8	-	30	15	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
18-18-18+TE (NO3-N)	18	-	8,7	9,3	18	18	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
18-18-18+TE	18	11,5	6,5	-	18	18	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
20-10-20+TE (NO3-N)	20	-	8	12	10	20	-	-	-	0,01	0,01	0,04	0,02	0,02	0,001
20-10-20+TE (NO3-N)	20	10	4	6	10	20	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
16-8-24+2MgO+10 SO3+TE (NO3-N)	16	-	6,5	9,5	8	24	10	-	2	0,01	0,01	0,04	0,02	0,02	0,001
16-8-24+TE	16	9,5	6,5	-	8	24	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003

Plantmate 15-30-15+TE (Nitrate Nitrogen)

ROOTING AND FLOWERING

Fertilizer selection and fertilization should be done very carefully when feeding plants grown with drip irrigation. Plantmate 15-30-15+TE is used in its production to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn. It is a pure product with high nutritional value, completely and quickly soluble in water. raw materials were used. It has an ideal structure that can provide a suitable nutrient environment in the limited root area of the plant throughout the growing season...

It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.

By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
Since it does not contain unnecessary salt elements, problem-free fertilization and high productivity are aimed during the vegetation period in salt water and soils.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	8.8%
Nitrate Nitrogen (N)	6.2%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Potassium Oxide (K20)	15%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Methods of Analysis and Dosages

It is suitable for use in greenhouse and open field vegetables, fruit trees, citrus fruits, vineyards, in the seedling or sapling period, at the beginning of development and in all periods when high phosphorus is needed.
It is a fertilizer applied directly to the soil or via a drip irrigation system.
0.3-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Plantmate 15-30-15+TE

ROOTING AND FLOWERING

Miracle 15-30-15+TE provides effective, fast and rich nutrition to your plants. One of its unique properties is its ability to dissolve easily in water. Thanks to this feature, it can be used in all kinds of irrigation systems. Containing chelated microelements with a higher proportion of phosphorus than balanced nitrogen and potassium, it may be labeled as flower or flower enhancer. The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; In the early stages of the plant; Phosphorus is necessary for promoting root development and for healthy flowers during the flowering period. It also supports energy transfer throughout plant development; Potassium is essential for photosynthesis and regulates many metabolic processes necessary for growth and fruit and seed development. This affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. With its micro element content, it meets the micro element needs of plants when used regularly.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	5.8%
Urea Nitrogen (N)	9.2%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Potassium Oxide (K20)	15%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100-200	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150-200	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200-300	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200-300	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	250-300	4-5
Onion, Garlic	It is applied 1-2 times from tuber formation until harvest.	200-300	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250-300	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100-200	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Rice etc.), Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250-300	-
Green Spaces	It is applied 2-3 times as needed.	200-300	-

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Plantmate 18-18-18+TE (Nitrate Nitrogen)

MULTI-PURPOSE BALANCED NUTRITION DURING THE PLANT DEVELOPMENT PERIOD

Fertilizer selection and fertilization should be done very carefully when feeding plants grown with drip irrigation. In its production, Plantmate 18-18-18+TE is a pure product with high nutritional value, which dissolves completely and quickly in water, in order to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn. raw materials were used. It has an ideal structure that can provide a suitable nutrient environment in the limited root area of the plant throughout the growing season.
It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.
By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	18%
Ammonium Nitrogen (N)	8.7%
Nitrate Nitrogen (N)	9.3%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	18%
Water Soluble Potassium Oxide (K2O)	18%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Method of Application ve Dosages

It is a standard formulation that is used in the young stages of the plant and meets the needs of plants that need to bloom abundantly in later periods. It contains nitrogen, phosphorus and potassium in equal proportions. It meets the trace element needs of plants when applied regularly with its micro element contribution.
0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Plantmate 18-18-18+TE

MULTI-PURPOSE BALANCED NUTRITION DURING THE PLANT DEVELOPMENT PERIOD

Plantmate 18-18-18+TE provides effective, fast and balanced nutrition of your plants with nitrogen, phosphorus and potassium at every stage of their development. Thanks to this balanced formulation; nitrogen promotes leaf development, while phosphorus develops vital root systems, promotes flower growth and eventually fruit production. Potassium is responsible for healthy cell development and plants strong enough to withstand stress conditions.
It is a formulation that meets the needs of garden plants and greenhouses for micro elements such as B, Cu, Fe, Mn, Mo, Zn with high chelation properties as well as N, P, K macro elements and can be used safely in all kinds of irrigation systems as it is completely soluble in water.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	18%
Ammonium Nitrogen (N)	6.5%
Urea Nitrogen (N)	11.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	18%
Water Soluble Phosphorus Penta Oxide (P205)	18%
Water Soluble Potassium Oxide (K20)	18%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100-200	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150-200	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200-300	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200-300	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	250-300	4-5
Onion, Garlic	It is applied 1-2 times from tuber formation until harvest.	200-300	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250-300	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100-200	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Rice etc.), Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250-300	-
Green Spaces	It is applied 2-3 times as needed.	200-300	-

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Plantmate 20-10-20+TE (Nitrate Nitrogen)

FRUIT DEVELOPMENT AND EXTENSION PERIOD

25 KG

Fertilizer selection and fertilization should be done very carefully when feeding plants grown with drip irrigation. Plantmate 20-10-20+TE is used in its production to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn. It is a pure product with high nutritional value, completely and quickly soluble in water. raw materials were used. It has an ideal structure that can provide a suitable nutrient environment in the limited root area of the plant throughout the growing season.

It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.

By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	8%
Nitrate Nitrogen (N)	12%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	10%
Water Soluble Phosphorus Penta Oxide (P205)	10%
Water Soluble Potassium Oxide (K20)	20%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Method of Application and Dosages

It can be used throughout the season on cut flowers and green leafy vegetables, after flowering in orchards, and at the beginning of tuber development in tuberous plants.
It is applied at 7-10 day intervals during the growing period, which includes the beginning of the vegetation period and the period when balanced nutrition is needed.
0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Plantmate 20-10-20+TE

NITRATE NITROGEN (N) - FRUIT DEVELOPMENT AND EXTENSION PERIOD

25 KG

Plantmate 20-10-20+TE, with its 20% Nitrogen (N) content, provides strong, leafy growth and rich green color in your plants. Without enough nitrogen, growth slows and plants wilt. Flowering and fruiting plants fed with too much nitrogen struggle to grow and lose their flowers and fruits. High Potassium (K) rate ensures balanced growth; It helps regulate root and top growth, keeping your plants healthy and balanced. This high potassium formulation affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. It also helps transport water and sugar within the plant, making the flowers and seeds stronger and the fruits sweet and juicy. The low phosphorus content in the formulation will help reduce stretching and create more compact plants.
Plantmate 20-10-20+TE is a balanced nitrogen and potassium fertilizer applied from the beginning of fruit growth. It promotes fruit development, reduces cracking, and encourages the cultivation of hard and plump fruits. Especially; It can be used safely to fertilize plants such as Cucumber, Watermelon, Melon and Zucchini.

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	4%
Nitrate Nitrogen (N)	6%
Urea Nitrogen (N)	10%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Potassium Oxide (K2O)	20%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100-200	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150-200	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200-300	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200-300	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	250-300	4-5
Onion, Garlic	It is applied 1-2 times from tuber formation until harvest.	200-300	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250-300	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100-200	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Rice etc.), Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250-300	-
Green Spaces	It is applied 2-3 times as needed.	200-300	-

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Plantmate 16-8-24+2MgO+10SO3+TE (Nitrate Nitrogen)

FRUIT GROWTH AND MATURATION

Fertilizer selection and fertilization should be done very carefully when feeding plants grown with drip irrigation. In its production, Plantmate 16-8-24+2MgO+10SO3+TE is completely water-containing, with high nutritional value, in order to meet the needs of plants for macro plant nutrients such as N, P, K and micro elements such as B, Cu, Fe, Mn, Mo, Zn. and fast-dissolving pure raw materials were used. It has an ideal structure that can provide a suitable nutrient environment in the limited root area of the plant throughout the growing season.

Contains additional magnesium (Mg) and sulfur (S). While magnesium increases photosynthesis, the presence of sulfur in its content ensures maximum assimilation of nutritional elements by plants.

It does not contain urea nitrogen, but contains nitrate nitrogen, which facilitates ideal cation uptake and effective nitrogen use. Nitrate nitrogen should be preferred for plants that grow rapidly and require frequent fertilization. Because it becomes easier for the plant to absorb calcium and magnesium, the roots are prevented from being stressed when the soil temperature is high, and nitrogen loss through evaporation is prevented.

By using a chelating agent suitable for the properties of metallic trace elements, their uptake by plants is facilitated in a wide soil pH range.
Since it does not contain unnecessary salt elements, problem-free fertilization and high productivity are aimed during the vegetation period in salt water and soils.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	16 %
Ammonium Nitrogen (N)	6.5%
Nitrate Nitrogen (N)	9.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Potassium Oxide (K2O)	24%
Water Soluble Sulfur (SO3)	10%
Water Soluble Magnesium (MgO)	2%
Water Soluble Boron (B)	0.01%
Water Soluble Copper (Cu)	0.01%
Water Soluble Iron (Fe)	0.04%
Water Soluble Manganese (Mn)	0.02%
Water Soluble Molybdenum (Mo)	0.001%
Water Soluble Zinc (Zn)	0.02%

Method of Application and Dosages

It is a fertilizer applied directly to the soil or via a drip irrigation system.
It is suitable for greenhouse and open field vegetables, edible vegetables, fruit trees, citrus fruits and bananas, vineyards, cut flowers, and soils where potassium intake is difficult.
It is applied at 7-10 day intervals during the ripening period when the potassium need of the plants is at its highest level.
0.5-1.5 kg/da/day is applied from the soil with irrigation water. (Excluding Cereals and Green Areas) These values are recommendations. This amount; It may vary due to reasons such as climate, soil type, air temperature, type of plant, productivity status, and difference in irrigation system. Appropriate doses can be determined by expert consultants with technical knowledge on this subject, according to agricultural analysis results and the development status of the plants. Do not exceed the recommended application amount.

Plantmate 16-8-24+TE

FRUIT GROWTH AND MATURATION

It is a nitrogen and potassium based fertilizer applied starting from the growth period of the fruits. It not only encourages the formation of hard and plump fruits along with fruit development, but also contains nitrogen, phosphorus and microelements such as B, Cu, Fe, Mn, Mo and Zn required for the development of the plant. It is necessary for abundant yield and quality products. It is used from the time the plant completes its main development. It is a formulation that targets the formation of quality fruit in the plant by helping the fruit to become larger, plumper and harder, and better colored. It can be used from the fruit formation period until the end of harvest.

Plantmate 16-8-24+TE provides effective, fast and rich nutrition to your plants. The 16% Nitrogen (N) it contains provides strong, leafy growth and rich green color in your plants. Without enough nitrogen, growth slows and plants wilt. High Potassium (K) content increases overall growth; It helps regulate root and top growth, keeping your plants healthy and balanced. This High potassium formulation affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. It also helps transport water and sugar within the plant, making the flowers and seeds stronger and the fruits sweet and juicy. With its low phosphorus content, it will help reduce stretching and create more compact plants.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	16%
Ammonium Nitrogen (N)	6.5%
Urea Nitrogen (N)	9.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Potassium Oxide (K2O)	24%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Used Plants, Application Time and Amount

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100-200	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150-200	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200-300	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200-300	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	250-300	4-5
Onion, Garlic	It is applied 1-2 times from tuber formation until harvest.	200-300	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250-300	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100-200	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Rice etc.), Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250-300	-
Green Spaces	It is applied 2-3 times as needed.	200-300	-

Bu değerler tavsiye niteliğindedir. Uygun dozlar tarımsal analiz sonuçları ve bitkilerin gelişme durumuna göre bu konuda teknik bilgisi olan kişilerce belirlenebilir. Tavsiye edilen uygulama miktarını aşmayınız.

DESPERO

Water Soluble Microcrystalline Fertilizer Series

DESPERO

VEGETATIVE GROWTH AND FRUIT DEVELOPMENT

'DESPERO" DRIP IRRIGATION FERTILIZERS, in addition to NPK macro plant nutrients produced using quality raw materials, contain amino acids and vitamins, containing micro elements such as B, Cu, Fe, Mn, Mo, Zn, enriched with EDTA chelation system for fast uptake and non-binding in the soil. It is a perfect mixture that is supported by , and quickly passes into the plant body thanks to its high level of water solubility. It ensures healthy and effective growth with its formulations suitable for all stages of the plant.

It has a low pH value. It contains regulators that will positively affect the pH of the environment and soil.
It ensures high quality and large amounts of product. Plant nutrients are in a balanced and easily available form.

Despero 13-40-13+TE

Despero 10-40-10+TE

Despero 15-30-15+TE

Despero 20-10-10+TE

Despero 18-18-18+TE

Unikey Despero 20-20-20+TE

Unikey Despero 16-8-24+TE

Unikey Despero 7-6-40+TE

Ürün Adı	Toplam Azot (N)	Üre (NH2-N)	Amonyum (NH4-N)	Nitrat (NO3-N)	Fosfor (P2O5)	Potasyum (K2O)	Kükürt (SO3)	Kalsiyum (CaO)	Magnezyum (MgO)	Bor (B)	Bakır (Cu)	Demir (Fe)	Çinko (Zn)	Mangan (Mn)	Molibden (Mo)
13-40-13+TE	13	5	8	-	40	13	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
10-40-10+TE	10	-	10	-	40	10	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
15-30-15+TE	15	8,5	6,5	-	30	15	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
20-10-10+TE	20	8	12	-	10	10	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
18-18-18+TE	18	11	7	-	18	18	-	-	-	0,03	0,04	0,07	0,03	0,04	0,003
20-20-20+TE	20	16	4	-	20	20	-	-	-	0,02	0,02	0,06	0,03	0,03	0,002
16-8-24+TE	16	11	5	-	8	24	-	-	-	0,02	0,02	0,06	0,03	0,03	0,002
7-6-40+TE	7	5	2	-	6	40	-	-	-	0,02	0,02	0,06	0,03	0,03	0,002

Despero 13-40-13+TE

ROOT DEVELOPMENT AND FLOWERING

Despero 13-40-13+TE provides effective, fast and rich nutrition to your plants. One of its unique properties is its ability to dissolve easily in water. Thanks to this feature, it can be used safely in drip irrigation systems. With a higher amount of phosphorus than balanced nitrogen and potassium, it may be labeled as a flower or flower enhancer. The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; Phosphorus supports energy transfer throughout plant development for root development and flowering; Potassium is necessary for photosynthesis. It regulates many metabolic processes necessary for growth, fruit and seed development. It affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. With its micro element content, it meets the micro element needs of plants when used regularly.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	13%
Ammonium Nitrogen (N)	8%
Urea Nitrogen (N)	5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	40%
Water Soluble Phosphorus Penta Oxide (P2O5)	40%
Water Soluble Potassium Oxide (K2O)	13%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / tree
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	-
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Despero 10-40-10+TE

START, ROOTING AND ABUNDANT FLOWERING

Despero 10-40-10+TE With a higher amount of phosphorus than balanced nitrogen and potassium, it may be labeled as a flower or flower enhancer. The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; Phosphorus supports energy transfer throughout the plant for root development and flowering; Potassium is necessary for photosynthesis. It regulates many metabolic processes necessary for growth, fruit and seed development. It affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. With its micro element content, it meets the micro element needs of plants when used regularly.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	10%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	40%
Water Soluble Phosphorus Penta Oxide (P2O5)	40%
Water Soluble Potassium Oxide (K2O)	10%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / ağaç
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / ağaç
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / ağaç
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / ocak
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	-
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Despero 15-30-15+TE

ROOT DEVELOPMENT AND FLOWERING

Despero 15-30-15+TE It provides effective, fast and rich nutrition to your plants. One of its unique properties is its ability to dissolve easily in water. Thanks to this feature, it can be used safely in drip irrigation systems. Containing chelated microelements with a higher proportion of phosphorus than balanced nitrogen and potassium, it may be labeled as flower or flower enhancer. The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; phosphorus supports energy transfer throughout the plant for root development and flowering; Potassium is essential for photosynthesis and regulates many metabolic processes necessary for growth and fruit and seed development. It affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. It contains regulators that will positively affect the pH of the environment and soil.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	6.5%
Urea Nitrogen (N)	8.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Phosphorus Penta Oxide (P205)	30%
Water Soluble Potassium Oxide (K20)	15%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	150-200	50-100 gr / tree
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-150	50-100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-125	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Despero 20-10-10+TE

VEGETATIVE GROWTH AND FRUIT DEVELOPMENT

The 20% Nitrogen (N) it contains provides strong, leafy growth and rich green color in your plants. Without enough nitrogen, growth slows and plants wilt. The balanced phosphorus and potassium it contains helps root and upper growth and keeps your plants healthy and balanced. Potassium affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. It also helps transport water and sugar within the plant, making the flowers and seeds stronger and the fruits sweet and juicy.

25 KG

Garanti Edilen İçerik (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	12%
Urea Nitrogen (N)	8%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Potassium Oxide (K2O)	10%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Bitki	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Beans, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit Trees	3-4 applications after fruit set.	150-200	50-100 gr / ağaç
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / ağaç
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / ağaç
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / ocak
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Despero 18-18-18+TE

MULTI-PURPOSE BALANCED NUTRITION DURING THE PLANT DEVELOPMENT PERIOD

Despero 18-18-18+TE provides effective, fast and balanced nutrition of your plants with nitrogen, phosphorus and potassium at every stage of their development. Thanks to this balanced formulation; nitrogen promotes leaf development, while phosphorus promotes vital root systems, flower growth and eventually fruit production. Potassium is responsible for healthy cell development and plants strong enough to withstand stress conditions.
It is a formulation that meets the needs of garden plants and greenhouses for micro elements such as B, Cu, Fe, Mn, Mo, Zn as well as N, P, K macro elements and can be used safely in all kinds of drip irrigation systems as it is completely soluble in water.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	18%
Ammonium Nitrogen (N)	7%
Urea Nitrogen (N)	11%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	18%
Water Soluble Phosphorus Penta Oxide (P2O5)	18%
Water Soluble Potassium Oxide (K2O)	18%
Water Soluble Boron (B)	0.03%
Water Soluble Copper (Cu)	0.04%
Water Soluble Iron (Fe)	0.07%
Water Soluble Manganese (Mn)	0.04%
Water Soluble Molybdenum (Mo)	0.003%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / tree
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	-
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Despero 20-20-20+TE

BALANCED NUTRITION DURING THE PLANT DEVELOPMENT PERIOD

Unikey Despero 20-20-20+TE provides effective, fast and balanced nutrition to your plants at every stage of growth. In addition to macro plant nutrients such as N, P, K, it contains high levels of micro elements such as B, Cu, Fe, Mn, Mo, Zn. Its balanced formulation supports leaf development, enhances vital root systems, promotes healthy cell development, flower growth and ultimately fruit production.

Unikey Despero 20-20-20+TE, ensures that plants are strong enough to withstand any stress factor. Its ability to dissolve easily in water allows it to be used in all kinds of drip irrigation systems.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	4%
Urea Nitrogen (N)	16%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	20%
Water Soluble Phosphorus Penta Oxide (P2O5)	20%
Water Soluble Potassium Oxide (K2O)	20%
Water Soluble Boron (B)	0.02%
Water Soluble Copper (Cu)	0.02%
Water Soluble Iron (Fe)	0.06%
Water Soluble Manganese (Mn)	0.03%
Water Soluble Molybdenum (Mo)	0.002%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / tree
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	-
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Despero 16-8-24+TE

FRUIT DEVELOPMENT AND EXTENSION

25 KG

It is a nitrogen and potassium based fertilizer applied starting from the growth period of the fruits. It not only promotes the formation of hard and plump fruits along with fruit development, but also contains nitrogen, phosphorus and microelements such as B, Cu, Fe, Mn, Mo and Zn required for the development of the plant. It is necessary for abundant yield and quality products. It is used from the time the plant completes its main development. It is a formulation that targets the formation of quality fruit in the plant by helping the fruit to become larger, plumper and harder, and better colored. It can be used until the end of harvest.

Unikey Despero 16-8-24+TE provides effective, fast and rich nutrition to your plants. The 16% Nitrogen (N) it contains provides strong, leafy growth and rich green color in your plants. Without enough nitrogen, growth slows and plants wilt. High Potassium (K) content increases overall growth; It helps regulate root and top growth, keeping your plants healthy and balanced.

High potassium formulation affects all aspects of the healthy development of plants, from cold and drought tolerance to disease and pest resistance. This also helps transport water and sugar within the plant, making flowers and seeds stronger and fruits sweet and juicy. With its low phosphorus content, it will help reduce stretching and create more compact plants. One of its unique properties is its ability to dissolve easily in water. Thanks to this feature, it can be used in all kinds of drip irrigation systems.

Guaranteed Content (%w/w)

Total Nitrogen (N)	16%
Ammonium Nitrogen (N)	5%
Urea Nitrogen (N)	11%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	8%
Water Soluble Phosphorus Penta Oxide (P205)	8%
Water Soluble Potassium Oxide (K20)	24%
Water Soluble Boron (B)	0.02%
Water Soluble Copper (Cu)	0.02%
Water Soluble Iron (Fe)	0.06%
Water Soluble Manganese (Mn)	0.03%
Water Soluble Molybdenum (Mo)	0.002%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / tree
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	-
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Despero 7-6-40+TE

FRUIT MATURATION AND HARVEST PERIOD

Unikey Despero 7-6-40+TE is a premium phytonutrient formulation specially designed to eliminate and prevent potassium deficiency. It contains high potassium, low nitrogen and phosphorus. It encourages fruit development, reduces cracking, grows hard and plump fruits, and provides the nitrogen, phosphorus and microelements required for the development of the plant in the appropriate period.

This product is ideal for carbohydrate-rich plants such as potatoes, which require potassium for tuber growth.

Some prominent benefits of Unikey Despero 7-6-40+TE: It ensures early ripening, increases aroma, color, sugar content and durability of the crops. It regulates plant growth, so that the harvested fruit is in full form, of good quality and has a long shelf life.

It is completely soluble, eliminating the risk of any spray clogging. Unikey Despero 7-6-40+TE is specially designed for growers looking for instant results.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	7%
Ammonium Nitrogen (N)	2%
Urea Nitrogen (N)	5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	7%
Water Soluble Phosphorus Penta Oxide (P205)	6%
Water Soluble Potassium Oxide (K20)	40%
Water Soluble Boron (B)	0.02%
Water Soluble Copper (Cu)	0.02%
Water Soluble Iron (Fe)	0.06%
Water Soluble Manganese (Mn)	0.03%
Water Soluble Molybdenum (Mo)	0.002%
Water Soluble Zinc (Zn)	0.03%

Area, Shape, Time and Amount Used

Plant	Application Time	foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development period of the vegetable.	100-200	1 - 1.5
Fruit trees	3-4 applications after fruit set.	150-200	50-100 gr / tree
Vineyards	It should be used by dividing it into 3-4 applications during the plant development period and increasing it especially during the fruit ripening period.	150-200	1.5 - 3
Olive	By dividing the last 2-3 waterings.	125-150	50-100 gr / tree
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	100-125	50-100 gr / tree
Hazelnut	2 applications, 15-20 days apart, before June casting.	100-125	100 gr / plot
Strawberry	3-4 applications at intervals of 1 week and 10 days before the color starts to turn.	100-150	1 - 1.5
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	1.5 - 2
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications at intervals of 10-15 days immediately after flowering.	100-150	-
Cotton	Fruit growth period.	150-200	1.5 - 2

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Saf Gübre Serisi


unikeyterra

Unikey MAP 12-61-0

MONOAMMONIUM PHOSPHATE

Unikey MAP is a completely water-soluble fertilizer for all crops.

It consists of 100% plant nutrients.
It is a highly concentrated source of phosphorus for plants.
It does not contain chloride, sodium and other harmful elements for plants.
Moderately low pH (safer and less corrosive than urea phosphate).
It is suitable for foliar application and the production of fertilizer mixtures and nutrient solutions.

Unikey MAP is not only an efficient source of phosphorus, but also facilitates the uptake of naturally occurring phosphorus in the soil by the plant. This is due to the ammonium (NH4+) contained in Unikey MAP, which lowers the pH in the root zone and thus increases phosphorus availability.

Unikey MAP, a highly efficient source of phosphorus and nitrogen for plants, is recommended for use at the beginning of the growing season, when phosphorus availability is crucial for the establishment of the root system. Unikey MAP can be tank mixed with other fertilizers to meet crop nutritional needs throughout the growth cycle.
Unikey MAP is suitable for the preparation of fertilizer mixtures and the production of liquid fertilizer.
Unikey MAP should not be mixed with calcium or magnesium fertilizers.

25 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	12%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	61%
Water Soluble Phosphorus Penta Oxide (P2O5)	61%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application	
		foliar application (gr/100 lt Water)	soil application (kg/da)
Open Field Vegetables (Tomato, Pepper, Eggplant, Cucumber, Melon, Watermelon, Zucchini etc.)	Before petal opening and after petal opening with an interval of 7-10 days.	250-400	3-4
Greenhouse Vegetables (Tomato, Pepper, Eggplant, Cucumber, Melon, Watermelon, Zucchini etc.)	1 week after planting 1-2 weeks apart.	300-400	3-4
Strawberry	Before petal opening and after petal opening with an interval of 7-10 days.	300-400	3-4
Flower Cutting	The foliation period and beyond.	300-400	3-4
Soft Seed Fruits	2-3 applications 3 weeks after petal opening.	350-400	2-3
Hard Seed Fruits	2-3 applications 3 weeks after petal opening.	300-350	2-4
Citrus and Olive Trees	Before petal opening and after petal opening with an interval of 15 days.	350-400	2-4
Vineyards	Every 15 days during the season period.	250-300	2-4

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey MKP 0-52-34

MONOPOTASSIUM PHOSPHATE

Pure content is the type of fertilizer that contains the highest amount of phosphorus and potassium among fully water-soluble fertilizers. Since it does not contain nitrogen, it is extremely suitable for agricultural applications that require intensive use of fertilizer. MKP fertilizer is the most suitable source of potassium and phosphorus for plants, especially in periods when nitrogen application is avoided. This feature gives it a wide range of uses in many plants. It is suitable for use in all irrigation systems as it dissolves quickly in water without leaving any residue.

1 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Water Soluble Phosphorus Penta Oxide (P205)	52%
Water Soluble Potassium Penta Oxide (K20)	34%

Area, Form, Time and Amount of Use

It is dissolved in water and applied to the leaves and soil with irrigation water in the young and advanced stages of the plants.

Plant	Application Time	Method of Application	
		Foliar Application (gr/100 lt Water)	Drip Irrigation Kg/1000 m2
In Open Field Vegetables (Tomato, Pepper, Eggplant, Melon, Watermelon, Zucchini, etc.)	Before and after petal opening, with an interval of 7-10 days.	100 liter water 250-400gr	3-4 kg/da
In Greenhouse Vegetables (Tomato, Pepper, Cucumber, Melon, Watermelon, Zucchini, etc.)	1 week after planting, 1-2 weeks apart.	100 liter water 300-400gr	3-4 kg/da
Strawberry	Before and after petal opening, with an interval of 7-10 days.	100 liter water 300-400gr	3-4 kg/da
In Cut Flowers	Foliation period and after.	100 liter water 300-400gr	3-4 kg/da
Pome Fruits	2-3 applications 3 weeks after petal opening.	100 liter water 350-400gr	2-3 kg/da
Stone Fruits	2-3 applications 3 weeks after petal opening.	100 liter water 300-400gr	2-4 kg/da
Citrus and Olive Trees	Before petal and after petal opening, with an interval of 15 days.	100 liter water 350-400gr	2-4 kg/da
Vineyard	Every 15 days during the season.	100 liter water 250-300gr	2-4 kg/da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UNIKEY K-50 0-0-50

POTASSIUM SULFATE

It is a fertilizer with high potassium content and completely soluble in water. Its formula is K2S04. It contains potassium equivalent to 50% K20 and 18% S (54% S04).

It can be easily used with drip irrigation systems. Potassium has positive effects on fruit quality.
It is applied during the fruit browning period. It helps increase fruit plumpness and color.

1 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Water Soluble Potassium Oxide (K20)	50%

Area, Form, Time and Amount of Use

It can be used in the young and advanced stages of plants by dissolving it in water and applying it to the leaves and soil with irrigation water, or directly

Plant	Application Time	Method of Application	
		Drip Irrigation (kg/da)	Foliar Application g/100 L Water
In Greenhouse Vegetables	From fruit setting	2-4	100-200
In Open Field Vegetables	From fruit setting	3-4	100-200
Melon-Watermelon-Strawberry	From fruit setting	3-4	100-200
Apple, Pear, Quince	After the fruits reach the size of hazelnuts	3-4	200-300
Nectar, Plum, Cherry, Peach, Apricot, Sour Cherry	After the fruits reach the size of hazelnuts	3-4	200-300
Grapes, Banana, Pomegranate, Fig	From fruit setting	3-4	200-300
Citrus and Olive Trees	After the fruits reach the size of hazelnuts	4-5	200-300
Hazelnuts, Walnuts, Pistachios, Chestnuts	From fruit setting	4-5	200-300
Cotton, Corn, Sunflower, Soy, Canola	Starting from the period when the plant height is 40-50 cm	2-3	200-300
Cabbage, Radish, Carrot, Celery, Cauliflower, Onion, Garlic	During the growing period	3-4	100-200
Cereals, Legumes, Paddy	During the growing period	––	200-300
Sugar beet, Potato	During the growing period	2-3	200-300
Cut Flowers	During the growing period	3-4	100-200

Soil application base; 10-15 kg/da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey POTAS 46 13-0-46

POTASSIUM NITRATE

Potassium nitrate fertilizer is a fertilizer with two main nutrients (Nitrogen and Potassium) that can be applied to all plants through the soil, leaves and all types of irrigation systems. The 13% nitrogen in its structure is Nitrate nitrogen (NO3-N), which is the nitrogen form that plants can easily absorb and prefer. Potassium nitrate fertilizer contains 46% K2O in a water-soluble form that plants can easily absorb. The nitrate nitrogen in its structure supports the uptake of other nutritional elements (such as K+, Ca+2, Mg+2, Fe+2, Mn+2 and Zn+2), thus supporting high and quality products. Since it does not contain chlorine, sodium and heavy metals, it can be used safely in fertilizing all plants.

How to Use Potassium nitrate fertilizer, which has a crystal structure, is applied by drip irrigation, foliar application and sprinkler system.
Plants need potassium most from the fruit setting and fruit development period. Potassium applied to plants regularly and in sufficient amounts; It increases the resistance of plants to cold and drought, diseases and pests, and is effective in increasing productivity, improving quality elements and increasing the shelf life of the product.

1 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	13%
Nitrate Nitrogen (N)	13%
Water Soluble Potassium Oxide (K2O)	46%

Area, Form, Time and Amount of Use

It can be used in the young and advanced stages of plants by dissolving it in water and applying it to the leaves and soil with irrigation water, or

Plant	Application Time	Method of Application	
		Drip Irrigation (kg/da)	Foliar Application g/100 L Water
In Greenhouse Vegetables	From fruit setting	2-4	100-200
In Open Field Vegetables	From fruit setting	3-4	100-200
Melon-Watermelon-Strawberry	From fruit setting	3-4	100-200
Apple, Pear, Quince	After the fruits reach the size of hazelnuts	3-4	200-300
Nectar, Plum, Cherry, Peach, Apricot, Sour Cherry	After the fruits reach the size of hazelnuts	3-4	200-300
Grapes, Banana, Pomegranate, Fig	From fruit setting	3-4	200-300
Citrus and Olive Trees	After the fruits reach the size of hazelnuts	4-5	200-300
Hazelnuts, Walnuts, Pistachios, Chestnuts	From fruit setting	4-5	200-300
Cotton, Corn, Sunflower, Soy, Canola	Starting from the period when the plant height is 40-50 cm	2-3	200-300
Cabbage, Radish, Carrot, Celery, Cauliflower, Onion, Garlic	During the growing period	3-4	100-200
Cereals, Legumes, Paddy	During the growing period	––	200-300
Sugar beet, Potato	During the growing period	2-3	200-300
Cut Flowers	During the growing period	3-4	100-200

Soil application base; 10-15 kg/da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UNIKEY CALNIT

CALCIUM NITRATE

Tamamen suda çözünür azot ve kalsiyum gübresidir. Bitki tarafından hızlı alınabilir formdadır. Akıcı, kalıntı bırakmadan suda hızlı çözünür. Tüm sulama sistemleri için kullanımı uygundur. Bitkide meyve kalite unsurlarının iyileşmesine ve ürünün pazarda raf ömrünün uzamasına yardımcı olur.

Kalsiyum Nitrat, üst gübrelemede, her tür toprak ve iklim koşulunda tüm bitkiler için etkili gübrelerdendir. Bitkiler tarafından kalsiyum ve nitratın birlikte alınmasından dolayı bitkinin kök bölgesinde diğer gübrelerde olduğu gibi kalıntı bırakmaz. Birbirini olumlu etkileyen bu iki besin elementi toprakta tuzluluk yaratmaz.

Bitkinin kökleri tarafından besin alımı sırasında nitrat formunda azot; suda eriyebilir biçimde kalsiyum ve diğer besin maddelerinin de bitki tarafından alınmasına yardımcı olur. Özellikle killi topraklarda amonyum azotu toprak tarafından tutulabilir; böylece bitki gelişimi için geçici olarak alınamaz hale gelebilir. Buna karşılık nitrat azotu toprakta bağlanmaz. Kök bölgesinde, bitki ihtiyaç duyduğunda kolaylıkla alınabilir halde serbest olarak kalır, azot ihtiyacının hızla karşılanmasına olanak sağlar.

Kalsiyum, bitkiler tarafından çok tüketilen bir makro besin elementidir, bitki hücre duvarının yapıtaşıdır. Bitki bünyesinde hareket yeteneği çok zayıftır. Toprakta bulunan kalsiyum karbonat (kireç), bitkinin kalsiyum ihtiyacını yeterince karşılamayabilir. Bitkiler kalsiyum olmadan büyüyemez. Kalsiyum Nitrat, iyi bir bitki besini olmasının yanında toprağı ıslah edici özelliklere de sahiptir. Toprakta kil mineralleri tarafından tutulan diğer besin maddelerinin yarayışlı hale gelmesini sağlar. Suda eriyebilen kalsiyum, topraktaki kil parçacıklarının ayrışmasına ve toprağın daha gözenekli hale gelmesine yardımcı olur.

1 - 25 - 50 KG - Bigbag

Unikey CALNIT kullanımın faydaları:

Verim ve kaliteyi artırır.
Hastalık ve zararlılara karşı dayanıklılığı artırır.
Meyvelerin depolama ömrünü uzatır.
Buharlaşmaz, yıkanmaz
Alkalilik yaratmaz.
Tuzluluk etkisi yoktur.

Garanti Edilen İçerik (%w/w)

Toplam Azot (N)	15,5%
Amonyum Azotu (N)	1,2%
Nitrat Azotu (N)	14,3%
Suda Çözünür Kalsiyum Oksit (K20)	26%

Kullanıldığı Alanı, Şekli, Zamanı ve Miktarı

Bitki	Uygulama Zamanı	Uygulama Şekli	
		Yapraktan (gr/100 lt Su)	Damlama Sulama Kg/1000 m2
Açık Tarla Sebzelerinde (Domates, Biber, Patlıcan, Salatalık, Kavun, Karpuz, Kabak vb.)	Petal açım öncesi ve petal açım sonrası 7-10 gün ara ile.	100 litre suya 250-400gr	3-4 kg/da
Sera Sebzelerinde (Domates, Biber, Patlıcan, Salatalık, Kavun, Karpuz, Kabak vb.)	Dikiminden 1 hafta sonra 1-2 hafta arayla.	100 litre suya 300-400gr	3-4 kg/da
Çilek	Petal açım öncesi ve petal açım sonrası 7-10 gün ara ile.	100 litre suya 300-400gr	3-4 kg/da
Kesme Çiçekçilikte	Yapraklanma dönemi ve sonrası.	100 litre suya 300-400gr	3-4 kg/da
Yumuşak Çekirdekli Meyveler	Petal açımından 3 hafta sonra 2-3 uygulama.	100 litre suya 350-400gr	2-3 kg/da
Sert Çekirdekli Meyveler	Petal açımından 3 hafta sonra 2-3 uygulama.	100 litre suya 300-400gr	2-4 kg/da
Narenciye ve Zeytin Ağaçları	Petal açım öncesi ve petal açım sonrası 15 gün ara ile.	100 litre suya 350-400gr	2-4 kg/da
Bağlarda	Sezon dönemi boyunca 15 gün arayla.	100 litre suya 250-300gr	2-4 kg/da

Bu değerler tavsiye niteliğindedir. Uygun dozlar tarımsal analiz sonuçları ve bitkilerin gelişme durumuna göre bu konuda teknik bilgisi olan kişilerce belirlenebilir. Tavsiye edilen uygulama miktarını aşmayınız.

Unikey Sulphure WP ELEMENTAL SULFUR

ELEMENTAL SULFUR

Sulfur (S) gets its right as the fourth essential macronutrient and should be used especially in soils that are most prone to sulfur deficiency, have coarse texture, have low water retention capacity and are poor in organic matter.

Why use Unikey Sulphure WP ELEMENTAL SULFUR:

Photosynthesis depends on sulfur, which is needed to produce chlorophyll.

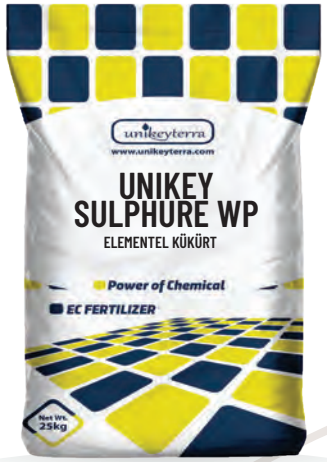
Plants also need sulfur to synthesize starches, sugars, oils, fats, and vitamins and rely on sulfur to metabolize nitrogen. Sulfur plays a central role in the synthesis of oils in oilseed plants.

In addition, the particle size of Unikey Sulphure WP enables faster SO4 formation on a larger surface area. Thus, increases in S surface area result in increased SO4 availability for your products.

Thanks to the solubility of Unikey Sulphure WP, it can pass into the root zone with filtered water. Additionally, it can be used to lower soil pH and restore calcareous soils. It can be mixed with other fertilizers.

It has very low dust content; In this way, it complies with environmental standards.

This product is particularly recommended for growers looking to optimize crop production and maximize yield potential.



25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Sulfur Trioxide (SO3)	248%

Area, Shape, Time and Amount Used

Plant	Application Time	Method of Application
All Plants	Depending on the pH-Constituent state of the soil, apply before soil preparation and mix it into the soil.	Between 50/75 kg - 300-400 gr

SUSPENSION (GEL) FORMULATIONS

SUSPENSION (GEL) FORMULATIONS

One of the most important issues for the development and productivity of plants is undoubtedly fertilization. Fertilization should be carried out according to the plant type and soil characteristics. At this point, as Unikeyterra, we offer all the fertilizer types you need. In order for your plants to grow healthily and to obtain the desired product, you can choose special SC form, concentrated, macro and micro element containing fertilizers.

These fertilizers, also called gel bucket fertilizers, consist of plant nutrients containing NPK and high quality chelated MICRO ELEMENT. In this way, it helps the development of the plant from the rooting process to the growth stage.

As "Unikeyterra", we offer formulations produced using the highest quality raw materials ground to micron size and special chelating agents with biostimulant properties developed with nano technology. Check out the product range we have prepared for you.

Despero Suspension Fertilizer Series

Fertilizer suspensions containing microelements, highly concentrated, chelated with high quality EDTA and complex organic amine acid derivatives to maximize their availability; It can be used in therapeutic and preventive applications, and in leaf and soil applications of field and garden plants. The small particle size allows ideal uptake rates. Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in.

Additionally, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. The products have low salinity allowing high plant tolerance in overdose or sensitive plant species.

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Phosphorus (P2O5)	Potassium (K2O)	Magnesium (MgO)
12-61-0+0.5MgO	12	-	12	61	-	0.5
15-25-0+0.5MgO	15	12	3	25	-	0.5
40-10-10+0.5MgO	40	37	3	10	10	0.5
27-27-27	27	21.6	5.1	27	27	-
0-30-40	-	-	-	30	40	-
0-45-55	-	-	-	45	55	-
0-15-55	-	-	-	15	55	-
9-6-40+0.5MgO	9	7	2	6	40	0.5
12-0-60+0.5MgO	12	12	-	60	-	0.5

Despero Suspension -GEL- Fertilizer Series Usage Advantages

Highly concentrated fluid suspensions for high performance in plant safety and nutrition.

It is a rich, multi-purpose fertilizer series that is fluid despite its high concentration, highly effective and formulated for soil and foliar applications in all irrigation systems.

Thanks to the high quality chelates it contains, it is highly absorbed by plants. In this way, it provides elimination of micro element deficiencies and prevents the formation of deficiencies.

It increases plant tolerance to stress conditions with the better feeding technique it offers. (Cold, drought, floods, drug toxic effects, root damage, etc.)
It gives the plant resistance to diseases.
Reduced E.C. It provides ease of use in plants sensitive to salinity.
It provides more effective nutrition than other fertilizers in soils with salinity problems.

SUSPENSION (GEL) FORMULATIONS

DESPERO JL NP 12-61-0+0.5MGO
DESPERO JL NP 15-25-0+0.5MGO
DESPERO JL NPK 40-10-10+0.5MGO
DESPERO JL NPK 27-27-27
DESPERO JL PK 0-30-40
DESPERO JL PK 0-45-55
DESPERO JL PK 0-15-55
DESPERO JL NPK 9-6-40+0.5MGO
DESPERO JL NK 12-0-60+0.5MGO

HIGH CONCENTRATION FLUID SUSPENSIONS

PLANT SAFETY AND HIGH PERFORMANCE IN FOLIAR FEEDING

LOW SALINITY

HIGH COMPATIBILITY WITH PLANT PROTECTION PRODUCTS

GREAT EASE IN TRANSPORTATION, STORAGE AND APPLICATION

DESPERO JL NP 12-61-0+0.5MGO

ROOTING AND ABUNDANT FLOWERING - LOW DOSE

Highly concentrated Gel NP fertilizer Despero JL NP 12-61-0 +0.5MgO promotes greener leaves and controlled vegetative growth with the extra magnesium it contains. It is a formulation that contains nitrogen, which provides vegetative development, as well as high phosphorus, which the plant needs in the initial development period.

With the complex growth promoters it contains, it encourages the plant to reduce adverse conditions in biotic and abiotic stress factors faced by plants and contributes to the plant's health. It supports the rooting and growth of plants with its high phosphorus (P) content.

Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and kiticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

It meets the needs of macro and micro nutrients, is completely soluble in water, and can be mixed into plant growing environments with irrigation systems.
or fertilizers applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	12%
Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P2O5)	61%
Water Soluble Phosphorus Pentaoxide (P2O5)	61%
Water Soluble Magnesium Oxide (MGO)	0.5%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL NP 15-25-0+0.5MGO

HEALTHY DEVELOPMENT - INCREASED PHOTOSYNTHESIS

Highly concentrated Gel NP fertilizer DESPERO JL NP 15-25-0+2MGO promotes greener leaves and controlled vegetative growth with the extra magnesium it contains. It is a formulation that contains nitrogen, which provides vegetative development, as well as high phosphorus, which the plant needs in the initial development period.

With the complex growth promoters it contains, it encourages the plant to reduce adverse conditions in biotic and abiotic stress factors faced by plants and contributes to the plant's health. It supports the rooting and growth of plants with its high phosphorus (P) content.

Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and kiticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

They are fertilizers that meet the needs of macro and micro nutrients, are completely soluble in water, and are mixed into plant growing environments with irrigation systems or applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	3%
Urea Nitrogen (N)	12%
Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P205)	25%
Water Soluble Phosphorus Pentaoxide (P205)	25%
Water Soluble Magnesium Oxide (MGO)	0.5%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL NPK 40-10-10+0.5MGO

VEGETATIVE DEVELOPMENT - INCREASED PHOTOSYNTHESIS

Highly concentrated new generation DESPERO JL NPK 40-10-10+2MGO fertilizer, in addition to its high nitrogen content, also contains 1/1 ratio P and K. It also helps keep the leaves greener and promotes controlled growth with extra magnesium. It is a fertilizer recommended to meet the nitrogen need of the plant during vegetative development. Considering the high nitrogen content; It is a formulation suitable for use in the early stages of plants, during flowering and pre-fruit periods.

With the complex structure of growth promoters it contains, it encourages the plant to reduce the negative conditions of biotic and abiotic stress factors faced by plants and contributes to the plant's health. Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness.

It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

They are fertilizers that meet the needs of macro and micro nutrients, are completely soluble in water, and are mixed into plant growing environments with irrigation systems or applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension

Guaranteed Content (%w/v)

Total Nitrogen (N)	40%
Ammonium Nitrogen (N)	3%
Urea Nitrogen (N)	37%
Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P205)	10%
Water Soluble Phosphorus Pentaoxide (P205)	10%
Water Soluble Potassium Oxide (K20)	10%
Water Soluble Magnesium Oxide (MGO)	0.5%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL PK 0-15-55

POWERFUL PLANT - QUALITY FRUIT

Highly concentrated Gel DESPERO JL PK 0-15-55 is a highly concentrated Gel fertilizer suitable for use in all situations where phosphorus is required in addition to the potassium needed by the plant during the fruit development period. In addition to the phosphorus and potassium it contains, it encourages the plant to reduce the negative conditions of biotic and abiotic stress factors faced by plants with its complex growth promoters and contributes to the plant's health.

It provides good color formation and increased quality elements in the fruit. It helps increase fruit size and sugar content. In addition, the phosphorus contained in it helps root development by increasing cell division.

Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

They are fertilizers that meet the needs of macro and micro nutrients, are completely soluble in water, and are mixed into plant growing environments with irrigation systems or applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P205)	15%
Water Soluble Phosphorus Pentaoxide (P205)	15%
Water Soluble Potassium Oxide (K20)	55%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL NPK 27-27-27

BALANCED AND EFFECTIVE NUTRITION

It is a highly concentrated Gel NPK fertilizer that can be used at all stages of the plant. In addition to the nitrogen, phosphorus and potassium it contains, it encourages the plant to overcome adverse conditions in the biotic and abiotic stress factors faced by plants with bio stimulants and supports the plant to remain healthy. It helps root development and increases the root density of the plant. It can be used for every plant with its balanced NPK ratio.

Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness.

It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

They are fertilizers that meet the needs of macro and micro nutrients, are completely soluble in water, and are mixed into plant growing environments with irrigation systems or applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Total Nitrogen (N)	27%
Ammonium Nitrogen (N)	5.4%
Urea Nitrogen (N)	21.6%
Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P2O5)	27%
Water Soluble Phosphorus Pentaoxide (P2O5)	27%
Water Soluble Potassium Oxide (K2O)	27%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL NPK 9-6-46+0.5MGO

GREAT EFFICIENCY - QUALITY PRODUCT

Highly concentrated Gel NPK fertilizer Despero JL NPK 9-6-46+0.5MgO, thanks to its high content of potassium as well as nitrogen, phosphorus and extra magnesium, ensures that the leaves remain greener and provides controlled growth, development of vegetative parts, good color formation and quality in the fruit. . It helps increase fruit size and sugar content. Additionally, the phosphorus contained in it also increases cell division.

Despero JL NPK 9-6-46+0.5MgO helps the plant cope with stress factors such as drought, fungal diseases, poor soil conditions, and is specially designed to provide the nutrients required during the periods when plants need high potassium and during flowering and fruit development periods. It is a highly concentrated gel formulation. Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in.

However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. Despero JL NPK 9-6-46+0.5MgO, enriched with magnesium, has versatile functions in meeting the magnesium needs of your products. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

It meets the needs of macro and micro nutrients, is completely soluble in water, and can be mixed into plant growing environments with irrigation systems.

Guaranteed Content (%w/v)

Total Nitrogen (N)	9%
Ammonium Nitrogen (N)	2%
Urea Nitrogen (N)	7%
Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P205)	6%
Water Soluble Phosphorus Pentaoxide (P205)	6%
Water Soluble Potassium Oxide (K20)	46%
Water Soluble Magnesium Oxide (MgO)	0.5%

Place of Use, Time and Dosage
According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL PK 0-30-40

GREAT EFFICIENCY - QUALITY PRODUCT

Highly concentrated Gel DESPERO JL PK 0-30-40 is a highly concentrated gel fertilizer suitable for use in all situations where phosphorus is required in addition to the potassium that the plant needs during the fruit development period. In addition to the phosphorus and potassium it contains, it encourages the plant to reduce the negative conditions of biotic and abiotic stress factors faced by plants with its complex growth promoters and contributes to the plant's health. It provides good color formation and increased quality elements in the fruit. It helps increase fruit size and sugar content. Additionally, the phosphorus contained in it helps root development by increasing cell division.

Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

They are fertilizers that meet the needs of macro and micro nutrients, are completely soluble in water, and are mixed into plant growing environments with irrigation systems or applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P205)	30%
Water Soluble Phosphorus Pentaoxide (P205)	30%
Water Soluble Potassium Oxide (K20)	40%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL NK 12-0-60+0.5MGO

FRUIT MATURATION AND HARVEST PERIOD

Highly concentrated new generation DESPERO JL NK 12-0-60+0.5MGO fertilizer is a potassium-based fertilizer applied from the period when the fruits begin to grow. It encourages fruit development, reduces cracking, encourages the growth of hard and plump fruits, and also contains the nitrogen required for the development of the plant. It increases the resistance of plants to diseases. Additionally, it promotes greener leaves and controlled growth with extra magnesium.

With the complex structure of growth promoters it contains, it encourages the plant to reduce the negative conditions of biotic and abiotic stress factors faced by plants and contributes to the plant's health. Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness. It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

It meets the needs of macro and micro nutrients, is completely soluble in water, and can be mixed into plant growing environments with irrigation systems.
or fertilizers applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Total Nitrogen (N)	12%
Urea Nitrogen (N)	12%
Water Soluble Potassium Oxide (K2O)	60%
Water Soluble Magnesium Oxide (MGO)	0.5%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL PK 0-45-55

SHORTIGNING THE INTERNODES - FLOWERING AND QUALITY

YHighly concentrated Gel DESPERO JL PK 0-45-55 is a highly concentrated gel fertilizer suitable for use in all situations where phosphorus is required as well as the potassium needed by the plant during the fruit development period. In addition to the phosphorus and potassium it contains, it encourages the plant to reduce the negative conditions of biotic and abiotic stress factors faced by plants with its complex growth promoters and contributes to the plant's health.

It provides good color formation and increased quality elements in the fruit. It helps increase fruit size and sugar content. Additionally, the phosphorus contained in it helps root development by increasing cell division. Its gelatinous structure maximizes the retention time of the product, reduces the surface tension of the leaves by facilitating the opening of stomata and cuticular absorption, thus increasing the amount of nutrients taken in. However, its gel form and non-ionic character make it compatible with most phytosanitary treatments, increasing their effectiveness.

It acts as a protective nutritional colloid, ensuring its structure and properties, preventing chemical degradation and losses resulting from evaporation or the formation of secondary compounds. This unique product is completely soluble in water and even very low application doses are sufficient to achieve optimum efficiency.

They are fertilizers that meet the needs of macro and micro nutrients, are completely soluble in water, and are mixed into plant growing environments with irrigation systems or applied directly to the soil. It can also be used for leaf fertilization. Despero Suspension contains dense nutrients.

Guaranteed Content (%w/v)

Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P2O5)	45%
Water Soluble Phosphorus Pentaoxide (P2O5)	45%
Water Soluble Potassium Oxide (K2O)	55%

Place of Use, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 200 - 250 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	At intervals of 15-20 days before flowering.	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Before and after flowering at intervals of 15-20 days.	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	Tillering Period	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Liquid Plant Nutrition Products

KEYTERRA CAOS

KEYPHOS K

UNIKEY FOSFOZINC

UNISOLIN

UNIKEY POTALEX

KEYTERRA FOS

UNIKEY KALIBOR

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Phosphorus (P205)	Potassium (K20)	Calcium (CaO)	Boron (B)	Zinc (Zn)
KEYTERRA CAOS (3-0-20)	3	3	-	-	20	-	-	-
UNIKEY POTALEX (4-0-30)	4	4	-	-	30	-	-	-
KEYPHOS K (0-30-20)	-	-	-	30	20	-	-	-
KEYTERRA FOS (4-20-0)	4	4	-	20	-	-	-	-
UNIKEY FOSFOZINC (5-25-0)	5	-	5	25	-	-	0,5	7
UNIKEY KALIBOR	-	-	-	-	-	12	0,3	-
UNISOLIN	16	16	-	-	-	-	-	-

KEYTERRA CAOS 3-0-20

NK FERTILIZER SOLUTION - EC FERTILIZER

Potassium; After nitrogen, it is the second element needed most by plants. It is a unique product that contains high amounts of potassium and the nitrogen that supports it, and is supported by uronic acid, carboxylic acid, which is involved in the formation of xylem, the carrier organ in plants, and amino acid complex compounds that increase absorption. Potassium plays an important role in plant metabolism, in the synthesis of sugar and proteins, in the transport of photosynthesis and subsequent products in the plant, and in activating enzymes. Plants need potassium, especially in the last period, to grow their fruits and fill them. It increases the resistance of plants to cold in cold weather.

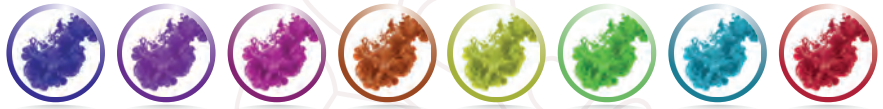
Carboxylic acid in its composition; In addition to breaking down the lime layer in the soil, it has a good cation retention capacity with its complexing feature. After the metal salts accumulated in the soil due to fertilization are broken down by carboxylic acid and become suitable for root absorption, they begin to dissolve the lock in the soil. This complex structure in an affordable form improves the soil and also improves the plant by supplementing organic matter. With the fertilization program you will apply to your soil after this stage, you will support the fertilizer absorption rate, increase in productivity and healthy plant process.

With the use of KEYTERRA CAOS 3-0-20, strong plants are formed thanks to solid tissues. It supports the formation of pigments that form color substances in plants. It is also effective in aroma formation. With KEYTERRA CAOS 3-0-20, which is used in plants especially during fruit ripening periods, maximum and homogeneous coloring (reddening) is achieved in fruits. It extends the shelf life of the fruit by ensuring its fullness and firmness.
In tomatoes and strawberries, there is very little coloration in the area close to the petals. This problem can be corrected by applying KEYTERRA CAOS 3-0-20 when the color begins to change.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Total Nitrogen (N)	3%
Urea Nitrogen (N)	3%
Water Soluble Potassium Oxide (K20)	20%



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With drip irrigation)	Foliar Application (For 100 Liters of Water)
Open Field Vegetables (Tomato, Pepper, Cucumber, Eggplant, Beans, Melon etc.)	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	3 - 5 Lt / Da	150 - 200 cc
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	3 - 5 Lt / Da	150 - 200 cc
Fruit trees	Divided into 3-4 applications after fruit set.	100 - 150 cc / tree	150 - 200 cc
Vineyards	By dividing into 3-4 applications during the plant development period, especially by dividing into 3-4 applications during the fruit ripening period, It should be used by increasing especially during the fruit ripening period.	3 - 5 Lt / Da	200 - 250 cc
Olive	Divided into the last 2-3 applications.	100 - 150 cc / tree	200 - 250 cc
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	150 - 200 cc / tree	200 - 250 cc
Strawberry	3-4 applications 7-10 days apart before the color starts to turn.	1.5 - 2 Lt / Da	150 - 200 cc
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 7-10 days during fruit growth (25-30 days before harvest).	1.5 - 2 Lt / Da	200 - 250 cc
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications every 10-15 days during fruit growth.	1.5 - 2 Lt / Da	150 - 200 cc
Cotton	1-2 applications at 7-10 day intervals at the beginning of I fall into the cocoons.	1.5 - 2 Lt / Da	200 - 250 cc
Hazelnut	2 applications, 15-20 days apart, before June casting.	150 cc / plot	150 - 200 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Potalex 4-0-30

NK FERTILIZER SOLUTION - EC FERTILIZER

Unikey Potalex stands out among other potassium fertilizers on the market with its many different and improved features. Unique formulation with increased effectiveness and content.

Main benefits of Unikey Potalex:

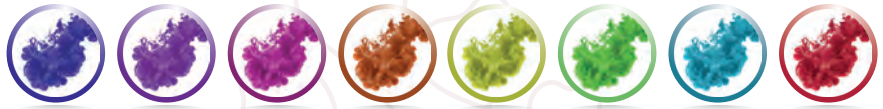
It is a unique product designed to prevent discoloration in fruits and vegetables. In addition to potassium, Unikey Potalex also contains many organic acids such as uronic acid, aldonic acid, carboxylic acid and carbonic acid. Thanks to the carboxylic acid, liquid CO2 and uronic acid it contains, it provides brighter and more vibrant colors and gives your products a natural appearance.

It makes your products more juicy and sweet. It maximizes your yield and profit by increasing the dry matter percentage, fruit weight and quality. It strengthens the resistance of your plants against diseases, pests and adverse climatic conditions. It provides extremely satisfactory results for all plant species.

Guaranteed Content (%w/w)

Total Nitrogen (N)	4%
Urea Nitrogen (N)	4%
Water Soluble Potassium Oxide (K20)	30%

1 - 5 - 20 L



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With drip irrigation)	Foliar Application (For 100 Liters of Water)
Open Field Vegetables (Tomato, Pepper, Cucumber, Eggplant, Beans, Melon etc.)	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	3 - 5 Lt / Da	150 - 200 cc
Greenhouse and Greenhouse Vegetables	It should be used by dividing the product during the development period and increasing it especially during the rapid development periods of the vegetable.	3 - 5 Lt / Da	150 - 200 cc
Fruit trees	Divided into 3-4 applications after fruit set.	100 - 150 cc / tree	150 - 200 cc
Vineyards	By dividing into 3-4 applications during the plant development period, especially by dividing into 3-4 applications during the fruit ripening period, It should be used by increasing especially during the fruit ripening period.	3 - 5 Lt / Da	200 - 250 cc
Olive	Divided into the last 2-3 applications.	100 - 150 cc / tree	200 - 250 cc
Citrus	By dividing into 3-4 applications during the fruit growth and ripening period.	150 - 200 cc / tree	200 - 250 cc
Strawberry	3-4 applications 7-10 days apart before the color starts to turn.	1.5 - 2 Lt / Da	150 - 200 cc
Sugar Beet, Potato, Carrot	2-3 applications at intervals of 7-10 days during fruit growth (25-30 days before harvest).	1.5 - 2 Lt / Da	200 - 250 cc
Wheat, Barley, Paddy, Sunflower, Corn	2-3 applications every 10-15 days during fruit growth.	1.5 - 2 Lt / Da	150 - 200 cc
Cotton	1-2 applications at 7-10 day intervals at the beginning of I fall into the cocoons.	1.5 - 2 Lt / Da	200 - 250 cc
Hazelnut	2 applications, 15-20 days apart, before June casting.	150 cc / plot	150 - 200 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

KEYPHOS K 0-30-20

POTASSIUM PHOSPHITE

KEYPHOS K 0-30-20 is a liquid fertilizer with maximum phosphorus and potassium content. Since the phosphite ions in the phosphorus content are derived from phosphorus acid, their uptake by the plant is 4 times higher than standard phosphates.

Other prominent benefits of KEYPHOS K 0-30-20:

It is rapidly absorbed from both leaves and roots. It increases body diameter, fruit weight and number. It leaves no residue. It provides excellent protection against fungal and some bacterial diseases (especially mold). (i.e., Phytophthora SPP., Plasmopara SPP., Pythium SPP., Fusarium SPP., Pseudomonas SPP., etc.). It improves the immune system against pathogens by increasing the production of phytoalexin.
It is carried in both Phloem and Xylem.
It shortens the internodes. Increases the number of eyes. Increases root volume. It increases flower and fruit setting.
It provides resistance against gumming in fruit trees. It increases resistance to diseases such as root rot and blight.
It ensures that phosphorus uptake continues in cold weather and the development of the plant does not slow down.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Water Soluble Phosphorus Penta Oxide (P2O5)	30%
Water Soluble Potassium Oxide (K2O)	20%

Usage, Time and Dosage

Plant Name	APPLICATION	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Vegetables Tomato, Pepper, Eggplant, Cucumber, Melon, Watermelon, Strawberry, Okra, Peas, Carrots, Green Vegetables, Onion, Garlic, Vineyard, Nuts, Cabbage, Celery, Broccoli, Cauliflower, Spinach, Lettuce, Parsley, Tobacco etc.	It is supplied with irrigation water from the soil. It is applied with repetitions from the transplant of the seedling until the harvest.It is applied with 30-day repeats from the beginning of vegetative development to harvest for other plants and fruit trees.		200-300 cc / da
Citrus, Apple, Cherry, Peach, Plum Walnut, Apricot, Peanut, Cherry, Pear, Almond, Nectarine, Olive etc.	It is supplied with irrigation water from the soil. It is applied with repetitions from the transplant of the seedling until the harvest. It is applied with 30-day repeats from the beginning of vegetative development to harvest for other plants and fruit trees.	1-2 Lt / Da	200-300 cc / da
Open Field Crops, Forage Crops, Industrial Crops, Sunflower, Corn, Potato, Paddy, Soybean, Peanut, Cotton, Beet, Chickpea etc.	It is applied with 2-4 repetitions throughout the entire growing season from the beginning of vegetative growth.	1 Lt / Da	50-250 cc / da
Cereals (Wheat, Barley, Oats etc.) Green area	It is applied with 1-3 repetitions during the breeding season.	-	50-250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

KEYTERRA FOS 4-20-0

NP FERTILIZER SOLUTION - EC FERTILIZER

KEYTERRA FOS 4-20-0 contains an optimum pH level that helps your plants thrive by preventing damage to flowers, delicate leaves and shoots. This unique product, supported by organic carbon, fulvic acid, carboxylic acid and amino acids, as well as its rich phosphorus content, plays an active role when plant cells need energy to perform their basic functions.

Carboxylic acid in its composition; In addition to breaking down the lime layer in the soil, it has a good cation retention capacity with its complexing feature. After the metal salts accumulated in the soil due to fertilization are broken down by carboxylic acid and become suitable for root absorption, they begin to dissolve the lock in the soil. This complex structure in an affordable form improves the soil and also improves the plant by supplementing organic matter. With the fertilization program you will apply to your soil after this stage, you will support the fertilizer absorption rate, increase in productivity and healthy plant process.

Key advantages of KEYTERRA FOS 4-20-0:

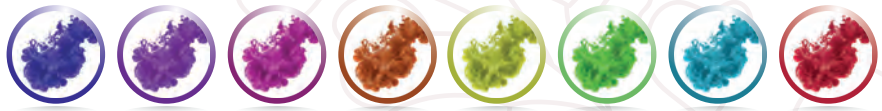
The high phosphorus it contains acts 3 - 4 times faster than ortho phosphorus, both in the soil and inside your plant. It works flawlessly, especially in cool seasons when the performance of phosphorus slows down, and meets the phosphorus needs of your plants.
ATP—Adenosine Triphosphate consists of an adenosine molecule bonded to phosphate. Induces tolerance to abiotic and biotic stress. Stimulates flower and root development.

It dissolves the lime layer accumulated in the soil and provides the nutrients that cannot be absorbed in the soil to the benefit of the plant. It helps to increase the organic matter content of the soil.

1 - 5 - 20 L

Garanti Edilen İçerik (%w/w)

Total Nitrogen (N)	4%
Urea Nitrogen (N)	4%
Water Soluble Phosphorus Penta Oxide (P2O5)	20%



Usage, Time and Dosage

Plant Name	Application Period	Foliar Application (For 100 Liters of Water)	Soil Application
Tomato, Pepper, Eggplant, Cucumber, Pumpkin, Melon, Watermelon etc.	With an interval of 10 days from the start.	150 - 200 cc	1 - 1.5 Lt / Da
Potato, Onion, Cabbage, Carrot, Sugar Beet etc.	During the development period after the first anchor.	200 - 250 cc	1 - 2 Lt / Da
Cotton, Corn, Soybean, Sunflower etc.	In the period of active development.	200 - 250 cc	1 Lt / Da
Cereals	From the Tillering.	200 - 250 cc	1 - 2 Lt / Da
Banana	In the period of active development.	200 - 250 cc	1 - 2 Lt / Da
Citrus, Fruit Trees, Olive Tree	In the period of active development.	200 - 250 cc	1 - 2 Lt / Da
Vineyards	In the period of active development.	200 - 250 cc	1 - 2 Lt / Da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Fosfozink 5-25-0+TE

NP FERTILIZER SOLUTION - EC FERTILIZER

Unikey Phosfozink is an exceptionally fast-absorbing, fast-acting and extremely balanced mixture. This magical mixture, enriched with plant growth regulators as well as nitrogen, phosphorus, zinc and boron, ensures the secretion of various hormones, especially auxin, thanks to the highly chelated zinc it contains. Thus, Unikey Phosfozinc ensures balanced growth of the internodes within the plant.

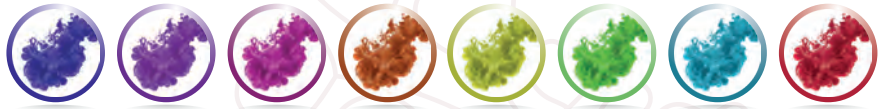
Main benefits of Unikey Fosfozink:

It increases flowering and tillering.
Its phosphorus-rich content provides the energy necessary for flowering.
It accelerates cell division and growth.
Induces tolerance to abiotic and biotic stress.
It plays a role in transporting nitrogen from the soil to the plant.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Total Nitrogen (N)	5%
Ammonium Nitrogen (N)	5%
Water Soluble Phosphorus Penta Oxide (P2O5)	25%
Water Soluble Boron (B)	0.5%
Water Soluble Zinc (Zn)	7%



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With Irrigation water)	Foliar Application (For 100 Liters of Water)
Open Field Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Melon etc.)	At intervals of 10 days throughout flowering from the start of the transplant.	2 - 2.5 Lt / Da	150 - 200 cc
Greenhouse and Greenhouse Vegetables	At intervals of 10 days throughout flowering from the start of the transplant.	2 - 2.5 Lt / Da	150 - 200 cc
Fruit trees	With an interval of 1-2 weeks during the vegetative development period.	2 - 2.5 Lt / Da	150 - 200 cc
Vineyards	In the period of active development.	2 - 3 Lt / Da	200 - 250 cc
Olive	2-3 applications by dividing before and after flowering.	2 - 3 Lt / Da	200 - 250 cc
Citrus	2-3 applications by dividing before and after flowering.	2 - 3 Lt / Da	200 - 250 cc
Hazelnut	2-3 applications during the period of active growth.	100 cc / plot	150 - 200 cc
Strawberry	2-3 applications before flowering from the start of the transplant.	2 - 3 Lt / Da	150 - 200 cc
Sugar Beet, Potato, Carrot	During the development period after the first anchor.	2 - 2.5 Lt / Da	200 - 250 cc
Wheat, Barley, Paddy, Sunflower, Corn	During the period of active development and before the spike.	2 - 3 Lt / Da	150 - 200 cc
Cotton	The beginning of combing and before flowering.	2 - 3 Lt / Da	150 - 200 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Kalibor

CALCIUM SOLUTION - REMOVAL OF TISSUE HARDNESS AND SALINITY

Boron is a critical stabilizing agent in plant tissues and must be maintained in a consistent ratio with calcium for optimum plant health, especially during the growing season. Forming a complex with lignin polycarboxylic acid—LPCA and amino acids, Unikey Kalibor facilitates calcium uptake by your plants.

Unikey Kalibor eliminates calcium deficiency with foliar application.

Some important benefits of Unikey Kalibor:
It adds pressure, strength and hardness to fruits, thus extending shelf life and preserving quality during transportation.
A powerful product particularly recommended for cotton growers for boll formation and for grape growers for strengthening fruits. It helps nutrient uptake and regulates the precipitation of toxic residues both in the soil and within the plant. It is an effective nutrient for healthy plant growth and development. Additionally, this product is used to balance the EC value of irrigation water caused by sodium salinity. It helps leach salt from the soil. The calcium it contains replaces the sodium salt coming from soil change areas and helps bring the salt into solution. Unikey Kalibor can be mixed safely with other fertilizers and pesticides.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Water Soluble Calcium Oxide (CaO)	12%
Water Soluble Boron (B)	0.3%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With Irrigation water)	Foliar Application (For 100 Liters of Water)
Open Field Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Melon etc.)	2-3 applications 10-15 days after fruit set.	1.5 - 2 Lt / Da	200 - 250 cc
Greenhouse and Greenhouse Vegetables	2-3 applications divided into active development period.	1.5 - 2 Lt / Da	200 - 250 cc
Fruit trees	2-3 applications 10-15 days after fruit set.	60 - 100 cc / tree	200 - 250 cc
Vineyards	In the period of active development.	2 - 3 Lt / Da	250 - 300 cc
Olive	Before flowering and after fruit set.	60 - 100 cc / tree	200 - 250 cc
Citrus	2-3 applications with 10-day intervals after fruit set and after harvest.	60 - 100 cc / tree	200 - 250 cc
Hazelnut	2-3 applications during the period of active growth.	100 cc / plot	200 - 250 cc
Strawberry	2-3 applications before flowering from the start of the transplant.	2 - 3 Lt / Da	200 - 250 cc
Sugar Beet, Potato, Carrot	During the development period after the first anchor.	2 - 2.5 Lt / Da	200 - 250 cc
Sugar Beet, Potato, Carrot	During the period of active development and before the spike.	1.5 - 2 Lt / Da	200 - 250 cc
Cotton	During active development and before flowering.	1.5 - 2 Lt / Da	150 - 200 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Solin

INSTANT PH REDUCER - NITROGEN FERTILIZER SOLUTION - EC FERTILIZER

This fertilizer, which has nitrogen content, has positive effects on the formation of green parts and the development of fertilization in plants. In addition, it instantly lowers the pH of the environment with the strong effect of 40% SO3 added to its content.

It is a source of liquid nitrogen that can be applied foliar and without fertilizing. It encourages the uptake of bound nutrients in the soil.

It allows the salt in the root area to go to the lower layers, lowers the pH of irrigation water, and provides maximum benefit from the applied fertilizer.

Also Uni Solin; It provides balanced nitrogen nutrition by decomposing into nitrogen, ammonium and nitrate in the form of urea. It supports fertilization after Uni Solin application. It increases grain setting, grain bed elongation and grain number in plants such as wheat, barley and corn. It helps the grapes to form enough bunches.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Total Nitrogen (N)	16%
Urea Nitrogen (N)	16%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With Irrigation water)	Foliar Application (For 100 Liters of Water)
Open Field Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Melon etc.)	At intervals of 10 days throughout flowering from the start of the transplant.	2 - 2.5 Lt / Da	150 - 200 cc
Greenhouse and Greenhouse Vegetables	At intervals of 10 days throughout flowering from the start of the transplant.	2 - 2.5 Lt / Da	150 - 200 cc
Fruit trees	With an interval of 1-2 weeks during the vegetative development period.	2 - 2.5 Lt / Da	150 - 200 cc
Vineyards	In the period of active development.	2 - 3 Lt / Da	200 - 250 cc
Olive	2-3 applications by dividing before and after flowering.	2 - 3 Lt / Da	200 - 250 cc
Citrus	2-3 applications with 10-day intervals during the growth of shoots in the spring.	2 - 3 Lt / Da	200 - 250 cc
Hazelnut	2-3 applications during the period of active growth.	100 cc / plot	150 - 200 cc
Strawberry	2-3 applications before flowering from the start of the transplant.	2 - 3 Lt / Da	150 - 200 cc
Sugar Beet, Potato, Carrot	During the development period after the first anchor.	2 - 2.5 Lt / Da	200 - 250 cc
Wheat, Barley, Paddy, Sunflower, Corn	During the period of active development and before the spike.	2 - 3 Lt / Da	150 - 200 cc
Cotton	The beginning of combing and before flowering.	2 - 3 Lt / Da	150 - 200 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni SilWet

100% NON-IONIC SURFACTANT - ORGANIC SILICONE - (100% SILICONE POLYESTER KPOPOLYMER)

100 cc

Uni SilWet is a highly concentrated 100% organic, surface-active type of silicone surfactant. This organic silicone, which is used in the production of agricultural additives such as pesticides, plant growth regulators and leaf fertilizers, and in agricultural irrigation and spraying, improves the spraying ability of liquids and also ensures their spreading and adhesion. By reducing the surface tension of the particles much more than traditional spreaders, it enables pesticides and fertilizers to spread much better and more homogeneously on the plant surface and increases its performance. Provides a perfect surface coating. It is a liquid supplement used to achieve high yield increases, improve product quality and reduce costs. This high-performance spreading adhesive product, which is mixed directly into liquids such as irrigation water, liquid fertilizers and plant growth regulators, significantly increases the wetting and effect of the liquid by providing a more balanced, faster and deeper penetration into the surface of the plant leaves, helping to maintain moisture on the surface for a long time. It will support. It also provides a more effective and reliable fight against pests.

Products supplemented with Uni SilWet ensure that the surface of all kinds of leaves and plant parts is completely wetted, increasing the uptake and retention of liquid preparations by the plant. It also prevents the used medicine or nutrient from being washed away by rain or irrigation. Uni SilWet is very effective even in very low amounts.

It is transparent as clear as water.
It is used by diluting with water at a ratio of 1:50 to 1:100.
It improves the spraying feature of the liquid and increases wetting performance.
It allows liquids to spread quickly over large areas.
It allows the liquid to be absorbed by the surface and penetrate deeply.
It allows the liquid to stick to the surface.
It provides resistance to external factors, thus reducing the use of pesticides and fertilizers.
It increases the performance of fertilizers and plant growth regulators.
It increases the effect of fungicides and similar pesticides.
It prevents stain formation caused by other liquids.
It does not leave any traces or residue on the surface.
It eliminates the lens effect caused by water droplets and prevents burns.
It also provides foam control.
It is economical.

Usage, Time and Dosage

Plant Name		Foliar Application (For 100 Liters of water)
Fruit, Citrus, Vineyard, Vegetable	(Plants that can be applied with 100 lt/da water)	10 - 30 ml
Farm plants	(Plants that can be applied with 15-30 lt/da water)	50 - 100 ml
Aircraft Applications and Applications Using Less Water	With an interval of 1-2 weeks during the vegetative development period.	50 - 100 ml
Compatibility: Uni Silwet can be used with all kinds of drug mixtures for all plants. It can also be used alone for the purpose. If the pH value of the mixture is above 9 or below 5, the effect of the product may decrease. Optimum results are seen between 5 and 9 pH values. Mixtures should be used within 24 hours at the latest after preparation.		200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

BİOSTİMULANT ÖZELLİKLİ ORGANİK SIVI ÜRÜNLER

ORGANIC LIQUID PRODUCTS WITH BIOSTIMULANT FEATURES

The organic substances they contain increase the nutrients and biological activity in the soil, thanks to the plant growth regulators that act as activators and reaction enhancers during the developmental stages of plants. It reduces sensitivity to climatic and chemical stress conditions.

Since the number of beneficial microorganisms will increase, it ensures the improvement of the soil structure and the binding of free nitrogen in the air.

Chemical changes are kept under control with the buffering effect.

The chelating effect and high cation holding capacity of organic material enable fertilization to achieve its purpose.

Unikey Pure 45 | **Unikey Amino Max 45** | **Unikey Exper** | **Unikey ZN Max**

Unikey Carbon | **Unikey Root** | **Unikey Kalsi Amino** | **Unikey Bio Humat (Powder)**

Unikey Alga-Liquid Seaweed | **Key Flora** | **UNICAL-L**

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Nitrate (NO3-N)	Ammonium (NH4-N)	Organic Nitrogen (N)	Organic Matter	Organic Carbon	Total Humic/Fulvic Acid	Fulvic Acid	Free Amino Acid	Alginic Acid	Phosphorus (P2O5)	Potassium (K2O)	Calcium (CaO)	Zinc (Zn)
UNIKEY PURE 45	1	-	-	-	1	45	14	-	-	-	-	-	5	-	-
UNIKEY CARBON	1	-	-	-	1	35	13	-	-	-	-	-	3	-	-
UNIKEY ALGA-LIQUID SEAWEED	-	-	-	-	-	20	-	-	-	-	0,6	-	3	-	-
UNIKEY AMINO MAX 45	6	-	-	-	6	45	-	5	-	33	-	-	-	-	-
KEY ROOT	8	3	2,9	-	2,1	25	-	15	15	10	-	-	-	5	-
KEY FLORA (5-15-0)	5	3	-	-	2	15	-	-	-	10	-	15	-	-	-
UNIKEY EXPER (8-0-6)	8	5	-	-	3	25	-	-	-	17	-	-	6	-	-
UNIKEY KALSI AMINO	8	-	6,9	-	1,1	10	-	-	-	6	-	-	-	12	-
UNICAL-L	10	-	10	-	-	15	-	-	-	-	-	-	-	12	-
UNIKEY ZN MAX	-	-	-	-	-	13	-	-	-	10	-	-	-	-	7
UNIKEY BIOHUMAT (POWDER)	-	-	-	-	-	43	-	70	-	-	-	-	8	-	-

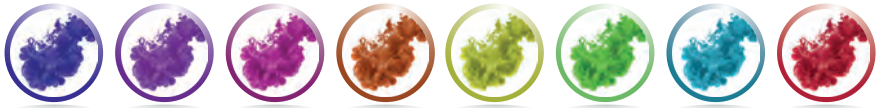
Unikey Pure 45

LIQUID ORGANIC FERTILIZER OF VEGETABLE ORIGIN

It increases the organic matter content of the soil in order to obtain high productivity by preserving soil quality and vitality.
The quality of fruits and vegetables grown in soils with increased organic matter content improves.

Unikey Pure 45 contains 45% Organic Matter, enriched with amino acids and vitamins.
It adds porosity to the soil by binding the soil particles together.
It increases the water retention capacity of soils.
It improves the physical properties of the soil and creates a suitable environment for the root development of the plant.
It increases the microorganism activity in the soil and ensures the transfer of applied fertilizers to the plant.
It accelerates the dissolution of other mineral nutrients, especially phosphorus, fixed in the soil and their transfer to the plant.

1 - 5 - 10 - 20 L



Guaranteed Content (%w/w)

Organic Matter	45%
Organic Carbon	14%
Total Nitrogen (N)	1%
Water Soluble Potassium Oxide	5%
pH	4-6

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Vegetables Greenhouse-Open Field (Cucumber, Tomato, Pepper, Eggplant, Zucchini, Lettuce, Cress, Arugula, Parsley, Cabbage, Spinach, Melon, Watermelon, Celery, Leek, Strawberry etc.)	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
All Citrus products, Apple, Pear, Peach, Cherry, Pomegranate, Plum, Quince, Cherry, Olive, Hazelnut, Almond, Walnut	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Wheat, Barley, Paddy, Sunflower, Cotton	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Corn	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Tobacco	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Potatoes, Onions	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Beets, Carrots	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Green Spaces, Park	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Vineyards	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Banana	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Pistachios	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Carbon

LIQUID ORGANIC FERTILIZER OF VEGETABLE ORIGIN - EC FERTILIZER

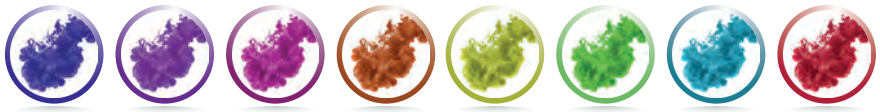
Unikey Carbon is an excellent plant growth regulator and anti-stress reliever product consisting of L-form amino acids, oligo sugars, organic acids and activators.
Unikey Carbon is a versatile fertilizer for modern agriculture that can be used at all stages of a plant's life cycle (seedling, shoot, flowering, fruit set and leafless periods). You will be satisfied with its optimum performance in achieving your various goals with this single product. Proteins of plant and animal origin are hydrolyzed by enzymatic means to obtain L-Form amino acids. Its high sugar content, enriched with sugar acids and organic acids, plays a critical role in carbohydrate synthesis and providing energy to your plants.
Unikey Carbon is an excellent product with its plant activator feature containing enzymes, nucleotides, short peptide bonds, adenine, guanine, furfuryl amino-purine.

Anti-Stress: Unikey Carbon alleviates the negative effects of improper irrigation, poor soils, high/low temperatures, drought, floods, pest attacks, disease or chemical pesticides and fertilizers on plant metabolism. Under abiotic and biotic stress conditions, applying Unikey Carbon provides your plants with the building blocks that provide resistance.
Flowering: High content of L-Proline, L-Arginine and L-Glutamic acid; It increases pollen germination, pollination and pollen tube length. Thus, Unikey Carbon maximizes your efficiency.
Rooting: It is extremely effective in auxin synthesis and rooting thanks to the L-Methionine, L-Tryptophan and Phytohormones it contains. Additionally, Unikey Carbon improves soil texture by increasing aeration porosity, permeability and water retention capacity. Therefore, soil applications of Unikey Carbon increase microorganism activity, resulting in soil nutrients uptake and enhanced growth of young branches and roots.
Fruiting: Unikey Carbon helps fruits ripen with L-Histidine, while improving fruit quality with L-Alanine, L-Valine and L-Leucine.

1 - 5 - 10 - 20 L

Guaranteed Content (%w/w)

Organic Matter	35%
Organic Carbon	13%
Total Nitrogen (N)	1%
Water Soluble Potassium Oxide (K2O)	3%
pH	4-6



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Vegetables Greenhouse-Open Field (Cucumber, Tomato, Pepper, Eggplant, Zucchini, Lettuce, Cress, Arugula, Parsley, Cabbage, Spinach, Melon, Watermelon, Celery, Leek, Strawberry etc.)	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
All Citrus products, Apple, Pear, Peach, Cherry, Pomegranate, Plum, Quince, Cherry, Olive, Hazelnut, Almond, Walnut	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Wheat, Barley, Paddy, Sunflower, Cotton	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Corn	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Tobacco	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Potatoes, Onions	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Beets, Carrots	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Green Spaces, Park	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Vineyards	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Banana	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc
Pistachios	3-4 applications during the season	1 - 2 Lt / Da	200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Alga

LIQUID SEAWEED - EC FERTILIZER

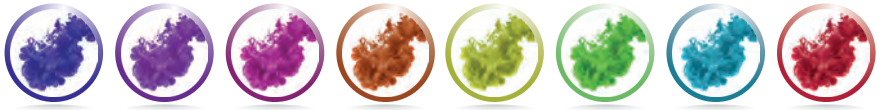
Formulation with natural biostimulant properties, containing organic compounds, nitrogen, potassium and alginic acid.
Alginic acid is produced by specially refining the beneficial seaweeds in the seas, in addition to the naturally occurring cytokinin, betaine, auxin and gibberellin; It is an organic product containing amino acids, carbohydrates, vitamins and various nutritional elements.

It provides good and strong root development in plants, allowing the roots to take in more nutrients and water from the soil. Unikey Alga, produced from natural and qualified substances, increases the amount of organic matter in the soil and helps plant roots to easily absorb plant nutrients that cannot be absorbed, thanks to its natural chelating feature. It is also a very good stress reliever. When used, it accelerates metabolic activities in plant cells. It acts directly according to plant development stages.

It stimulates the growth tips of plants and contributes to shoot development. It ensures healthy and rapid capillary root development. The plant has a strengthening effect on the immune system against pests and diseases. It delays aging in plants and contributes to healthy plant development.

Suitable for drip irrigation and foliar applications. It can be used in all kinds of fruit and vegetable production periods.
It does not leave any residue. There is no waiting period for plants.

1 - 5 - 10 - 20 L



Guaranteed Content (%w/w)

Organic Matter	20%
Water Soluble Potassium Oxide (K20)	3%
Alginic Acid	0.6%
E.C.	7.40 (dS/m)
pH	9-11

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Vegetables (Greenhouse, Open Field)	10 days after planting and 15 days apart	200 - 500 cc / da	100 - 150 cc / da
Fruit trees	3-5 applications are recommended throughout the season.	200 - 500 cc / da	100 - 150 cc / da
Wheat, Barley, Paddy, Sunflower, Cotton	Before planting and after 3-5 leaves with an interval of 15 days	200 - 500 cc / da	100 - 150 cc / da
Corn	Before planting and after 3-5 leaves with an interval of 15 days	200 - 500 cc / da	100 - 150 cc / da
Tobacco	After planting the seedlings, with life water and with an interval of 15 days throughout the season	200 - 500 cc / da	100 - 150 cc / da
Potatoes, Onions	After the plants have 3-5 leaves, with an interval of 20 days	200 - 500 cc / da	100 - 150 cc / da
Beets, Carrots	After the plants have 3-5 leaves, with an interval of 20 days	200 - 500 cc / da	100 - 150 cc / da
Green area	It is applied every 15 days during the growing period by sprinkling. Clean water is given in the last 10 minutes.	200 - 500 cc / da	100 - 150 cc / da
Vineyards	Every 15 days during the breeding period	200 - 500 cc / da	100 - 150 cc / da
Banana	With the first fertilization, with an interval of 10 days	200 - 500 cc / da	100 - 150 cc / da
Pistachios	3-5 applications are recommended throughout the season.	200 - 500 cc / da	100 - 150 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

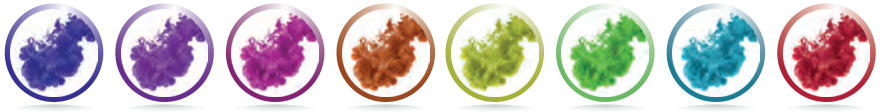
Unikey Amino Max 45

LIQUID ORGANIC FERTILIZER CONTAINING AMINOACIDS OF VEGETABLE ORIGIN

UNIKEY AMINO MAX 45 contains 33% herbal free L-Amino acids, 45% organic matter, 6% organic nitrogen content, as well as vitamins and proteins.
Amino acids are simple molecules that are part of proteins and have a complex structure by forming chains. All amino acids contain carbon, hydrogen and oxygen. Among the amino acid groups, one of the most important for plants is L-Free Amino acids.
It is a natural organic product that can be applied from leaves and drips, protecting the amino acid balance of plants and strengthening them against climatic and soil-based stress conditions.

FEATURES
Due to its raw material content of plant origin, it is absorbed into the plant very quickly.
The high amount of amino acids it contains increases the plant's resistance to stress conditions.
By encouraging chlorophyll formation, it ensures that your plant is greener and always one step ahead.
It is an indispensable source of energy for all plants.
Amino acids ensure the best vegetative and generative development of the plant with their chlorophyll synthesis, enzyme activator and chelating effects. It increases fruit quality.
It activates the micro flora in the soil and encourages rooting. With its soil regulator feature, it creates a stronger root structure and allows the plant to benefit from nutrients more effectively.
When used regularly, it removes salinity in the soil.
It is suitable for use in organic agriculture.

1 - 5 - 10 - 20 L



Guaranteed Content (%w/w)

Organic Matter	45%
Organic Nitrogen (N)	6%
Total humic acid+fulvic acid	5%
Free Amino Acids	33%
pH	2-4

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Greenhouse and Open Field Vegetables (Tomato, Pepper, Strawberries, etc.)	15 days after planting	3-4 Liter / da	100 Liter Water 250-300 g
Stone Fruits (Peaches, Cherries, Apricots)	After planting via Drip Irrigation	3-4 Liter / da	100 Liter Water 250-300 g
Seed Fruits (Apple, Pear, Quince)	Before planting in field preparation	6-8 Liter / da	100 Liter Water 250-300 g
Citrus	Starting in the spring and throughout the period	3-4 Liter / da	100 Liter Water 250-300 g
Legumes (Peas, Soy, Beans)	Field preparation before planting	4-6 Liter / da	100 Liter Water 250-300 g
Sweetcorn	Field preparation before planting	4-6 Liter / da	100 Liter Water 250-300 g
Vineyard	Field preparation before planting	4-6 Liter / da	100 Liter Water 250-300 g
Olive	With irrigation system per month	3-4 Liter / da	100 Liter Water 250-300 g

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

KEY ROOT

NITROGEN LIQUID ORGANOMINERAL FERTILIZER - EC FERTILIZER

In addition to being a liquid concentrate, KEY ROOT contains organic nitrogen, nitrate, urea nitrogen, calcium, humic/fulvic acid and free amino acids that help healthy growth. Additionally, its effectiveness is increased with auxin group growth promoters.

KEY ROOT regulates root development and cellular activity and helps increase the fertility of the soil and plants. Besides; This unique product has the effect of reducing fertilizer dependence by helping the soil absorb and store more nutrients.

1 - 5 - 10 - 20 L

Guaranteed Content (%w/w)

Organic Matter	25%
Total Nitrogen (N)	8%
Organic Nitrogen (N)	2.1%
Nitrate Nitrogen (N)	2.9%
Urea Nitrogen (N)	3%
Water Soluble Calcium Oxide (CaO)	5%
Free Amino Acids	10%
Total (Humic + Fulvic) Acid	15%
Fulvic Acid	15%
Max. Chlorine (Cl)	1.5
pH	4-6

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 2-3 applications are made until the fruit ripens.	1.5 - 2 Lt / Da	150 - 200 cc
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach etc.)	3-4 applications during vegetation period.	1 - 1.5 Lt / Da	150 - 200 cc
Tuberous Plants (Sugar Beet, Potato, Onion etc.)	One application after hoeing, second application after 15-20 days.	2 - 3 Lt / Da	200 - 250 cc
All Fruit Trees (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus, Olive, Vineyard etc.)	3-4 applications during vegetation period.	1 - 2 Lt / Da	200 - 250 cc
Industrial Plants (Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
cereals (Corn, Wheat, Barley, Paddy etc.)	Two applications during tillering and rooting.	1.5 - 2 Lt / Da	200 - 250 cc

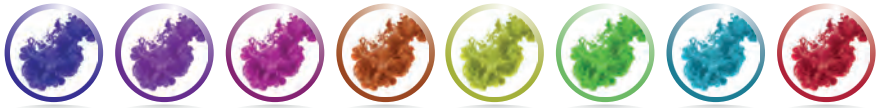
These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Key Flora

FRUIT SELLER WITH BIOSTIMULANT FEATURES

It is a very effective formulation containing (15%) organic matter, (15%) phosphorus, (5%) nitrogen and (10%) free amino acids and supported by plant growth regulators.
It contains a lot of nutrients especially necessary for fruit formation and development. It stabilizes plant growth and increases productivity. It supports the transportation of organic nutrients formed as a result of photosynthesis in plant metabolism to the cells. It ensures water balance and is effective in regular fruit setting and ripening. It is extremely beneficial for fruit colour, aroma and durability. It increases the organic matter content of the soil in order to obtain high productivity by preserving soil quality and vitality. It adds porosity to the soil by binding the soil particles together. It increases the water retention capacity of soils. By improving the physical properties of the soil, it prepares a suitable environment for exhausted root development. It increases the microorganism activity in the soil and ensures the transfer of applied fertilizers to the plant. It dissolves other mineral nutrients, especially phosphorus, fixed in the soil and carries them to the plant.

1 - 5 - 10 - 20 L



Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	5%
Urea Nitrogen (N)	3%
Organic Nitrogen (N)	2%
Total Phosphorus Penta Oxide (P205)	15%
Water Soluble Phosphorus Penta Oxide (P205)	15%
Free Amino Acids	10%
Max. Chlorine (Cl)	0.5
pH	2-4

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 2-3 applications are made until the fruit ripens.	1.5 - 2 Lt / Da	150 - 200 cc
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach etc.)	3-4 applications during vegetation period.	1 - 1.5 Lt / Da	150 - 200 cc
Tuberous Plants (Sugar Beet, Potato, Onion etc.)	One application after hoeing, second application after 15-20 days.	2 - 3 Lt / Da	200 - 250 cc
All Fruit Trees (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus, Olive, Vineyard etc.)	3-4 applications during vegetation period.	1 - 2 Lt / Da	200 - 250 cc
Industrial Plants (Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
cereals (Corn, Wheat, Barley, Paddy etc.)	Two applications during tillering and rooting.	1.5 - 2 Lt / Da	200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Exper

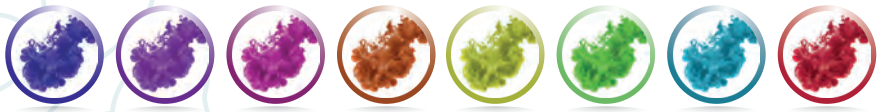
LIQUID ORGANOMINERAL FERTILIZER WITH NK - RESISTANCE TO STRESS CONDITIONS

It is a product with excellent content where amino acids, organic compounds and vitamins meet with potassium. It can be applied with all kinds of products using foliar and drip irrigation systems. The amino acids contained in Unikey Exper accelerate the absorption of potassium by the plant and ensure that it reaches the necessary cells. Stress factors such as cold, heat, salinity and drought negatively affect potassium intake, and Unikey Exper applications performed in such cases ensure easy intake of potassium.
Potassium increases the sugar content in the plant and has quality enhancing effects such as color, aroma, ripening, hardness and storage resistance in the fruit. Compared to normal potassium solutions, its effect on the plant lasts longer in foliar and drip irrigation applications.

1 - 5 - 10 - 20 L

Guaranteed Content (%w/w)

Organic Matter	25%
Total Nitrogen (N)	8%
Urea Nitrogen (N)	5%
Organic Nitrogen (N)	3%
Water Soluble Potassium Oxide (K2O)	6%
Free Amino Acids	17%
Max. Chlorine (Cl)	0.6
pH	6-8



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 2-3 applications are made until the fruit ripens.	1.5 - 2 Lt / Da	150 - 200 cc
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach etc.)	3-4 applications during vegetation period.	1 - 1.5 Lt / Da	150 - 200 cc
Tuberous Plants (Sugar Beet, Potato, Onion etc.)	One application after hoeing, second application after 15-20 days.	2 - 3 Lt / Da	200 - 250 cc
All Fruit Trees (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus, Olive, Vineyard etc.)	3-4 applications during vegetation period.	1 - 2 Lt / Da	200 - 250 cc
Industrial Plants (Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
cereals (Corn, Wheat, Barley, Paddy etc.)	Two applications during tillering and rooting.	1.5 - 2 Lt / Da	200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Kalsi Amino

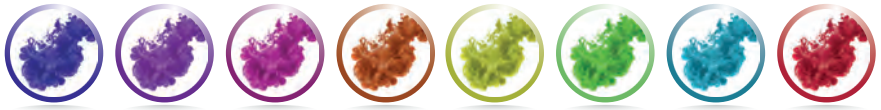
NITROGEN LIQUID ORGANOMINERAL FERTILIZER - EC FERTILIZER

Unikey Calci Amino is very easy to pass into the plant with its much higher calcium content than amino acid, nitrate nitrogen and similar ones. It makes a difference with its fast transport feature through the lamellae. In normal cases, the uptake rate of calcium by plants is very low. Ca transport in xylem tissue does not occur by mass flow, indicating that calcium is immobile in plant cells. Its portability depends largely on sweating. When the pores called stomata, which ensure the balance of the plants and nutrient absorption, are opened, transpiration begins and water is carried from the roots to the upper parts, and calcium is withdrawn in this mechanism. In other words, stomata must be opened in order for calcium to be transported to the cells. Stomata do not open or the plant cannot transpirate; Very hot weather conditions and winter are the periods when calcium deficiencies are most common. Unikey Calci Amino contains high amounts of free amino acids (6%); By strengthening the pores, it ensures controlled gas exchange, the plant breathes and begins to absorb nutrients. Therefore, calcium is withdrawn. Even if the weather is closed, the stomata open, the plant begins to sweat, and calcium is transported by the movement of water. It helps cell division, cell elongation and strengthening cell walls in the plant. It ensures the formation of healthy plants and solid tissue. It increases the plant's resistance to stress due to adverse weather conditions (heat, cold, frost, etc.). It prevents the formation of fruit symptoms caused by deficiency (tomato bottom rot, apple bitter spot, etc.). It increases the quality of the fruit and extends its storage and shelf life. It supports hairy root formation by acting at the growth tips.

1 - 5 - 10 - 20 L

Guaranteed Content (%w/w)

Organic Matter	10%
Total Nitrogen (N)	8%
Nitrate Nitrogen (N)	6.9%
Organic Nitrogen (N)	1.1%
Water Soluble Calcium Oxide (CaO)	12%
Free Amino Acids	6%
Max. Chlorine (Cl)	0.5
pH	4-6



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 2-3 applications are made until the fruit ripens.	1.5 - 2 Lt / Da	150 - 200 cc
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach etc.)	3-4 applications during vegetation period.	1 - 1.5 Lt / Da	150 - 200 cc
Tuberous Plants (Sugar Beet, Potato, Onion etc.)	One application after hoeing, second application after 15-20 days.	2 - 3 Lt / Da	200 - 250 cc
All Fruit Trees (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus, Olive, Vineyard etc.)	3-4 applications during vegetation period.	1 - 2 Lt / Da	200 - 250 cc
Industrial Plants (Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
cereals (Corn, Wheat, Barley, Paddy etc.)	Two applications during tillering and rooting.	1.5 - 2 Lt / Da	200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unical-L

NITROGEN LIQUID ORGANOMINERAL FERTILIZER - EC FERTILIZER

Containing organic matter, vitamins, amino acids, easily absorbable calcium and nitrate nitrogen, superior quality Unical-L removes excess salinity and chalkiness with its special formula and low pH, allowing nutrients to be taken up by the plant with the support of organic matter. It helps cell division, cell elongation and strengthening cell walls in the plant. It ensures the formation of healthy plants and solid tissue. It increases the plant's resistance to stress caused by adverse weather (heat, cold, frost, etc.). It prevents the formation of fruit symptoms caused by deficiency (tomato bottom rot, apple bitter spot, etc.). It increases the quality of the fruit and extends its storage and shelf life. It supports hairy root formation by acting at the growth tips.

1 - 5 - 10 - 20 L

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	10%
Nitrate Nitrogen (N)	10%
Water Soluble Calcium Oxide (CaO)	12%
Max. Chlorine (Cl)	0.5
pH	5-7

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With drip irrigation)	Foliar Application (For 100 Liters of Water)
Tomato, Eggplant, Pepper	In the nursery (2 applications) During the development period	2 - 4 Lt / Da	200 - 300 cc
Melon, Watermelon, Cucumber etc. (cucurbitaceae)	In the early development period - Before the first water - At the beginning of the arm throw - In the fruiting period	2 - 4 Lt / Da	200 - 300 cc
Cherry, Peach, Apple, Pear, Apricot, Plum Nectarine etc. On deciduous trees	Immediately after pruning - When buds awake - After flowering or at first fruit set In the fruit ripening period - After the fruit is picked.	2 - 4 Lt / Da	200 - 300 cc
Vineyard	Immediately after pruning - When eyes are awakening - Before flowering - During pruning - After harvest	2 - 4 Lt / Da	200 - 300 cc
Olive	Pruning or after - Before flowering - On summer shoot	2 - 4 Lt / Da	200 - 300 cc
Cotton	With 8-10 leaves (only in rows of plants) - Before combing and flowering period - First cocoon period	2 - 4 Lt / Da	200 - 300 cc
Citrus	Before flowering - After flowering - Before June casting - Immediately after harvest	2 - 4 Lt / Da	200 - 300 cc
Potato	First emergence period - Before first water - At the beginning of flowering - After flowering	2 - 4 Lt / Da	200 - 300 cc
Cabbage, Cauliflower, Broccoli, Brussels Sprouts, Winter Crops and Lettuce	15-20 days after the early development period (2-3 applications are made)	2 - 4 Lt / Da	200 - 300 cc
Srtawberry	At the end of the winter period - Before and after flowering - 15-20 days apart during the harvest	2 - 4 Lt / Da	200 - 300 cc
Cut flowering	At the beginning of the rose awakening period - Bud sprouting - Every 20 days during the development period	2 - 4 Lt / Da	200 - 300 cc
in arboriculture	2 applications during development periods	2 - 4 Lt / Da	200 - 300 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey ZN Max

TRACE ELEMENT ADDED LIQUID ORGANOMINERAL FERTILIZER

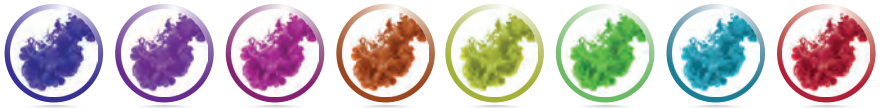
Unikey ZN Max, with its organic structure, supported by amino acid derivatives, and 7% zinc (Zn) content, has been specially formulated to maximize fast and complete uptake. This unique EDTA chelated product is a rich source of zinc. It is also supported by organic acids and amino acids. Unikey ZN Max prevents and treats yellowing of leaves caused by zinc deficiency while amending the soil for lasting results.

Unikey ZN Max increases the absorption ability of stomata by ensuring that the entire plant surface is covered. It ensures rapid transport of elements within the tissue. The natural molecular structure of this formula is able to penetrate the barriers created by the outer surface of cells that prevent the penetration of traditional chelates. Apart from correcting zinc deficiencies, it promotes auxin production, thus eliminating irregularities in the growth of cells and germination of seeds.

1 - 5 - 10 - 20 L

Guaranteed Content (%w/w)

Organic Matter	13%
Water Soluble Zinc (Zn)	7%
Free Amino Acids	10%
Max. Chlorine (Cl)	0.5
pH	4-6



Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with drip irrigation)	Foliar Application (For 100 Liters of Water)
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 2-3 applications are made until the fruit ripens.	1.5 - 2 Lt / Da	150 - 200 cc
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach etc.)	3-4 applications during vegetation period.	1 - 1.5 Lt / Da	150 - 200 cc
Tuberous Plants (Sugar Beet, Potato, Onion etc.)	One application after hoeing, second application after 15-20 days.	2 - 3 Lt / Da	200 - 250 cc
All Fruit Trees (Peach, Apricot, Cherry, Plum Apple, Pear, Quince, Citrus, Olive, Vineyard etc.)	3-4 applications during vegetation period.	1 - 2 Lt / Da	200 - 250 cc
Industrial Plants (Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	2-3 applications from the period when the plant height is 15-20 cm.	1.5 - 2 Lt / Da	200 - 250 cc
cereals (Corn, Wheat, Barley, Paddy etc.)	Two applications during tillering and rooting.	1.5 - 2 Lt / Da	200 - 250 cc

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Bio Humat

POTASSIUM HUMAT

BIO HUMAT is an excellent product for soil reclamation and gives life to the soil and plants with its high content of organic matter (43%), humic and fulvic acid as well as potassium in its composition.
BIO HUMAT has a fast-dissolving (100% soluble) structure.
It increases seed germination.
It regulates the physical and chemical structure of soils and supports plant root development.
It increases permeability in heavy-textured soils and water retention capacity in light-textured soils.
It provides increased yield and quality by facilitating the absorption of plant nutrients into the plant. BIO HUMAT is an ideal soil conditioner.
BIOHUMAT can be used on all types of plants by mixing it with all kinds of fertilizers except calcium nitrate, through foliar, sprinkler irrigation and drip irrigation.
It acts as an organic catalyst.

1 - 5 - 10 KG

Unikey Bio Humate:

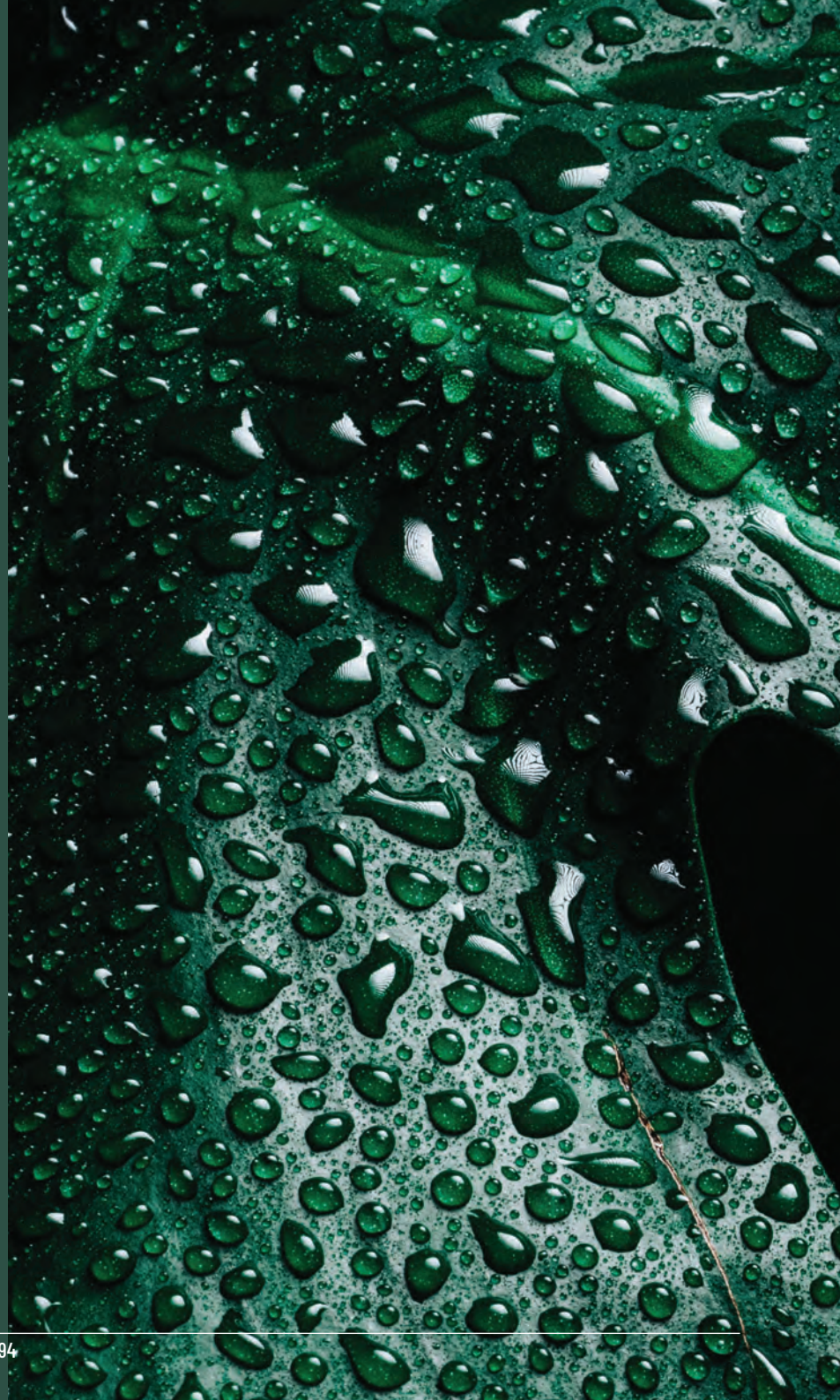
It improves soil structure.
Increases nutrient absorption.
By increasing ion exchange in the soil, it releases phosphorus, calcium and trace elements held by clay minerals and enables them to be used by plants.
Stimulates microbial activity.
It stabilizes pH.
Increases stress tolerance.
It increases root penetration and improves seed germination.

Guaranteed Content (%w/w)	
Organic Matter	43%
Water Soluble Potassium Oxide (K20)	8%
Total (Humic + Fulvic) Acid	70%
Max. Moisture	20
pH	9-11

Areas of Use and Form: Application from the soil before planting.

Plant Name	**Application Method and Times**	**Administration dose gr/da from soil**	**Administration dose gr/da foliar**
Farm plants Cereals, Corn, Soy, Cotton Tobacco, Sunflower, Peanut, Forage Crops, Sugar Beet etc.	Before Planting: The product can be used by mixing with liquid fertilizers or directly with solid fertilizers. It can also be used by mixing with herbicides applied before and after planting. During Sowing: It can be mixed with liquid and solid fertilizers and applied to the soil, or it can be applied alone to the seed bed.	200-500 gr/da (Into the seed bed orto the root area of the plant)	25 - 50 gr / da
in vegetables Tomato, Pepper, Eggplant, Cucumber Beans, Melon, Peas, Watermelon, Zucchini, Onion, Garlic, Carrot, Cabbage, Strawberries, Spinach, Celery, Lettuce, Potatoes etc.	1- During transplanting of seedlings: 250 grams per 100 liters of water. is placed and the roots of the seedlings are dipped into the content and planted. 2- During vegetative growth: It is applied by adding drip irrigation or sprinkler water. If it is to be used in drip or sprinkler water, the recommended dose should be used after mixing it in at least 10-15 liters of water.	200-500 gr/da (Into the seed bed orto the root area of the plant)	25 - 50 gr / da
Nurseries and Greenhouses	It is applied to the soil with irrigation and drip water in each planting period. If it is to be administered via drip or sprinkler water, it should be dissolved thoroughly in 10-15 liters of water and used.	200-500 gr/da (Into the seed bed or to the root area of the plant)	25 - 50 gr / da
Fruits Apple, Pear, Peach, Apricot, Plum, Cherry, Sour Cherry, Almond, Tangerine, Grapefruit, Olive etc.	Three applications are recommended. 1- Just before bud and flowering. 2- In fruit formation 3- It is applied to the soil in the middle of the season when the fruits continue to grow.	200-500 gr/da (Into the seed bed or to the root area of the plant)	25 - 50 gr / da
Green Fields	Starting from spring, at intervals of 20-30 days.	200-500 gr / da	25 - 50 gr / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.



MİKRO ELEMENT İÇERİKLİ GÜBRELER

Fertilizer Series with Micro Element Content

Micronutrients are nutrients that plants need in very low amounts but are vital. In case of deficiency of these nutrients, which are involved in many vital functions such as enzymatic processes, reproduction, pollination, photosynthesis, protein synthesis, respiration, disease and pest resistance; Diseases, deformities and major productivity losses are observed.

Micro elements; They are essential for healthy plant growth and development. They are absolutely necessary for various metabolic and enzymatic activities to occur in the plant. In cases of intensive agriculture, element deficiencies should be prevented and in cases of deficiency, it should be applied to products grown in alkaline and salty environments. Trace elements that may be unusable to the plant due to various factors in the soil are applied to the plant from the leaves or soil in the correct combination and chelated form.
Products sensitive to micro element deficiency; fruit trees, vegetables, field crops and ornamental plants.

Symptoms of microelement deficiency manifest themselves in the form of chlorosis in plants, deformed spots or drying on the leaves. Plant growth and development slows down, negatively affecting yield and quality.

POWDERED MICRO ELEMENT FERTILIZERS

LIQUID MICRO ELEMENT FERTILIZERS

GEL (SUSPENSION) MICRO ELEMENT FERTILIZERS

Product Name	Phosphorus (P205)	Potassium (K20)	Boron (B)	Copper (Cu)	Iron (Fe)	EDDHA Chelated Iron (Fe)	Zinc (Zn)	Manganese (Mn)	Manganese (Mn)
UNI MOB FLO (0-21-13)	21	13	5	-	-	-	-	-	7
UNIKEY MOB ZN	-	-	4	-	-	-	12	-	4
UNUKEY ZINMOBOR	-	-	8	-	-	-	5	-	11
UNIKEY MOB FZN	-	-	4	-	2	-	10	-	5
UNIKEY MICRO COMBI	-	-	0,50	1	4	-	1	4	0,10
UNIKEY DIAMOND COMBI	-	-	0,60	1	5	-	8	4	0,04
UNIKEY BZN	-	-	6	-	-	-	14	-	-
UNUKEY ZINC 15	-	-	-	-	1	-	15	-	-
UNIKEY DIAMOND IRON	-	-	-	-	6	4,8	-	-	-
UNIKEY FERROSTRONG	-	-	-	-	6	4,8	-	-	-

Uni Mob Flo 0-21-13+TE

ROOT DEVELOPMENT, FLOWERING AND FRUIT SET

Uni Mob Flo has been specifically designed in 100% water-soluble powder form, as the uptake of nutrients from the leaves is much faster than the uptake from the roots. Therefore, foliar feeding is highly recommended when rapid correction of deficiencies is required. This premium product is an easy-to-use and cost-effective way to provide your plants with the nutrition they need at any stage of their growth cycle. It provides powerful and easily absorbed sources of nutrients.

Uni Mob Flo guarantees you find the right micronutrients for the growth, flowering or fruiting stages. It promotes pollen formation and improves flower quality by ensuring the intake of nutrients that plants need for flowering. Thus, plants produce higher quality and more vibrant flowers. It prevents flower drop, prevents cold and heat stress, and meets the phosphorus and potassium needs of the plant thanks to the high amount of phosphorus and potassium it contains. It is enriched with amino acids and vitamins. It is suitable for use from leaves and soil.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Neutral Ammonium Citrate and Water Soluble Phosphorus Pentaoxide (P2O5)	21%
Water Soluble Phosphorus Pentaoxide (P2O5)	21%
Water Soluble Potassium Oxide (K2O)	13%
Water Soluble Boron (B)	5%
Water Soluble Molybdenum (Mo)	7%

Usage, Time and Dosage

Plant	Application Time	Method of Application	
		Foliar Application (gr/100 lt water)	Soil Application (kg/da)
In Greenhouse and Open Field Vegetables; Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf stage of the plants until harvest.	100-200	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit setting.	150-200	3-5
Grapes, Bananas, Pomegranates, Figs, Citrus Fruits, Olives, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200-300	4-5
Hazelnuts, Walnuts, Pistachios, Chestnuts etc.	It is applied 3-4 times with an interval of 20 days starting from fruit setting.	200-300	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 1-2 times from the 4-5 leaf stage of the plants until harvest.	150-200	3-5
Onion, Garlic etc.	It is applied 1-2 times from tuber formation until harvest.	150-200	3-5
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	150-200	3-5
Cut Flowers	It is applied 2-3 times with an interval of 30 days during the development period.	150-200	3-5
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Paddy etc.) Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf stage of the plants until harvest.	150-200	3-5
Green Fields	It is applied 2-3 times as needed.	200-300	2-3

Unikey Mob ZN 4-4-12

BORON (B), MOLYBDENUM (Mo) and ZINC (Zn) MICRO PLANT NUTRIENTS MIXTURE

Produced with high quality raw materials, the formulation is absolutely essential for the productivity of plants; Boron, molybdenum and zinc are offered in different proportions. It is aimed to provide alternative feeding and treatment opportunities that will meet the deficiency symptoms of these three elements observed in plants and the demands of different plant species.

Unikey Mob ZN -1/1/3 formulation. Unikey Mob ZN, which can be absorbed by the plant, is completely EDTA chelated and contains 1/1 ratio of 4% Molybdenum (Mo), 4% Boron (B) and a high amount of 12% Zinc (Zn), is designed as an organic product to distinguish it from other products on the market and to increase its effectiveness. It is supported with compounds and amino acids.

Unikey Mob ZN contains molybdenum (Mo); It is an absolutely essential plant nutrient element for very important functions in nitrogen and phosphorus metabolism, which increases plant production. It also plays a role in the uptake of iron and phosphorus. Since it enables the reduction of nitrate nitrogen to ammonium nitrogen, deficiency symptoms; It is similar to nitrogen deficiency symptoms. In molybdenum deficiency, soil-borne diseases progress more easily in the plant, flowers fade, the plant becomes stunted, vitamin C formation is prevented, and the amount of chlorophyll decreases. Necrosis occurs in the growth cone of example plants, cauliflower. Molybdenum is an important element on the productivity of legume plants. Mo is vital for the process of symbiotic nitrogen (N) fixation by Rhizobia bacteria in legume root modules.

Moreover, Mo content; It prevents nitrate accumulation in the leaves of your plants and ensures that it is used in protein production for normal development.

B (Boron): It is a plant nutrient element that is very active in the germination and elongation of pollen (flower pollen), increasing fruit set, calcium transport, formation of sugar and carbohydrates, formation of plant growth hormones, and prevention of necrosis and fruit spots in buds. In its deficiency; Insufficiencies in fertilization and fruit formation, deaths in the growth cone, deformities in the leaves, and cracking and decay in the trunk are observed.

Zn (Zinc): It is also included in growth hormones in plants. It increases flowering and fruit set and prevents fruit drop. It provides homogeneous development in plants by encouraging root development. It helps plants to be resistant to cold and heat. In its deficiency, fruit buds, flowering and flower set decrease, and early leaf fall occurs. The most obvious deficiency symptom; dwarf plants and rosettes on the terminal leaves.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Boron (B)	4%
Water Soluble Molybdenum (Mo)	4%
Water Soluble Zinc (Zn)	12%

Usage, Time and Dosage

Plant Name	Application Period	Foliar Application Soil Application	Soil Application (Kg/Da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100 - 200 gr	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150 - 200 gr	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200 - 300 gr	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200 - 300 gr	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250 - 300 gr	4-5
Onion, Garlic etc.	It is applied 1-2 times from tuber formation until harvest.	200 - 300 gr	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250 - 300 gr	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100 - 200 gr	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Paddy etc.) Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250 - 300 gr	2-3
Green Spaces	It is applied 2-3 times as needed.	200 - 300 gr	2-3

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Zinmobor 5-11-8

BORON (B), MOLYBDENUM (Mo) and Zinc (Zn) MICRO PLANT NUTRIENTS BLEND

YIn the formulation produced with high quality raw materials, it is absolutely necessary for the productivity of plants; Boron, molybdenum and zinc are offered in different proportions. It is aimed to provide alternative nutrition and treatment opportunities that will respond to the deficiency symptoms of these three elements observed in plants. Uni Zinmobor, which can be taken by plants, is completely EDTA chelated, contains 11% Molybdenum (Mo), 8% Boron (B) and a high level of 5% Zinc (Zn), in order to distinguish it from other products on the market and increase its effectiveness; It is supported by organic compounds and amino acids. Uni Zinmobor contains molybdenum (Mo); It is an absolutely essential plant nutrient element for very important functions in nitrogen and phosphorus metabolism, which increases plant production. It also plays a role in the uptake of iron and phosphorus. Since it enables the reduction of nitrate nitrogen to ammonium nitrogen, deficiency symptoms are similar to nitrogen deficiency symptoms. In molybdenum deficiency, soil-borne diseases progress more easily in the plant, flowers fade, the plant becomes stunted, vitamin C formation is prevented, and the amount of chlorophyll decreases. Necrosis occurs in the growth cone of example plants, cauliflower. Molybdenum is an important element on the productivity of legume plants. Mo is vital for the process of symbiotic nitrogen (N) fixation by Rhizobia bacteria in legume root modules. Moreover; Mo content prevents nitrate accumulation in the leaves of your plants and ensures that it is used in protein production for normal development.

B (Boron): It is a plant nutrient element that is very active in the germination and elongation of pollen (flower dust), increasing fruit set, transporting calcium, formation of sugar and carbohydrates, formation of vegetative growth hormones, and preventing necrosis and fruit spots in buds. In its deficiency; Insufficiencies in fertilization and fruit formation, deaths in the growth cone, deformities in the leaves, and cracking and rotting in the trunk are observed.

Zn (Zinc): It is also included in growth hormones in plants. It increases flowering and fruit set and prevents fruit drop. It provides homogeneous development in plants by encouraging root development. It helps plants to be resistant to cold and heat. In its deficiency, fruit buds, flowering and flower set decrease, and early leaf fall occurs. The most obvious deficiency symptom; dwarf plants and rosettes on the terminal leaves.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Boron (B)	8%
Water Soluble Molybdenum (Mo)	11%
Water Soluble Zinc (Zn)	5%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (Kg/Da)	Foliar Application (100 Liters of Water)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	0.5 - 1	150 - 200 gr
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	0.5 - 1	150 - 200 gr
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	0.5 - 1	150 - 200 gr
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	0.5 - 1	100 - 200 gr
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	0.5 - 1	150 - 200 gr
Onion, Garlic etc.	It is applied 1-2 times from tuber formation until harvest.	0.5 - 1	100 - 200 gr
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	0.5 - 1	150 - 200 gr
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	0.5 - 1	150 - 200 gr
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Rice etc.) Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	0.5 - 1	100 - 200 gr
Green Spaces	It is applied 2-3 times as needed.	0.5 - 1	100 - 200 gr

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Mob FZN 5-4-2-10

BORON (B), IRON (Fe), MOLYBDENUM (Mo) and ZINC (Zn) MICRO PLANT NUTRIENTS MIXTURE

Unikey Mob FZN provides and strengthens the missing nutrients of your plant by ensuring rapid absorption of zinc, boron, iron and molybdenum from the leaves. In addition to increasing the phytonutrient potential of your plant, the EDTA and Citric Acid it contains strengthen the antioxidative defense system, reducing sensitivity to soil and climatic stresses, while improving plant growth, chlorophyll content and gas exchange properties.

Unikey Mob FZN supports many metabolic reactions in all crop types with its zinc content. Provides a constant and continuous source of Zn for optimum growth and maximum yield. With its boron content, it provides fertilization, sugar and carbohydrate formation, supports the structural and functional integrity of plant cell membranes, and protein and amino acid formation. It also contains iron, which is a component of many enzymes involved in energy transfer, nitrogen reduction and fixation, and lignin formation. It optimizes plant development thanks to its molybdenum content, which is necessary for the synthesis and activity of the nitrate reductase enzyme. Mo is vital for the process of symbiotic nitrogen (N) fixation by Rhizobia bacteria in legume root modules. Moreover; Mo content prevents nitrate accumulation in the leaves of your plants and ensures that it is used in protein production for normal development.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Boron (B)	4%
Water Soluble Iron (Fe)	2%
Water Soluble Molybdenum (Mo)	5%
Water Soluble Zinc (Zn)	10%

Usage, Time and Dosage

Plant Name	Application Period	Foliar Application Soil Application	Soil Application (Kg/Da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100 - 200 gr	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150 - 200 gr	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200 - 300 gr	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200 - 300 gr	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250 - 300 gr	4-5
Onion, Garlic etc.	It is applied 1-2 times from tuber formation until harvest.	200 - 300 gr	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250 - 300 gr	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100 - 200 gr	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Paddy etc.) Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250 - 300 gr	2-3
Green Spaces	It is applied 2-3 times as needed.	200 - 300 gr	2-3

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Micro Combi

FAST ABSORPTION MICRO ELEMENT COMBINATION

It is easily separated from its counterparts by being enriched with the addition of organic compounds and amino acids, and can be easily absorbed by plants in a wide pH range with its EDTA chelating feature; It is a high quality product containing vital micro elements such as iron, manganese, zinc, copper, boron and molybdenum, which supports efficiency and quality in plant production.

Unikey Micro Combi; It allows your plant to quickly absorb iron, zinc, boron, copper, molybdenum and manganese. In addition to increasing the assimilation potential of your plant, the EDTA and Citric Acid it contains strengthen the antioxidative defense system, improving plant growth, chlorophyll content and gas exchange properties while reducing soil and climatic stress. Unikey Micro Combi; It also contains iron, which is a component of many enzymes involved in energy transfer, reduction and fixation of nitrogen, and lignin formation. With its zinc content, it causes many metabolic reactions in all crop types. A constant and continuous supply of Zn is required for optimum growth and maximum yield. It contains manganese, which makes an important contribution to various biological systems including photosynthesis, respiration and nitrogen assimilation. Mn also plays a role in pollen germination, pollen tube growth, stem cell elongation, and resistance to root pathogens. It supports the structural and functional integrity of plant cell membranes with its boron content. Thanks to its copper content, it contributes to enzymatic activities, chlorophyll and seed production in plants. It strengthens the immune system of your plants against diseases such as ergot, which can cause significant yield losses in small grains. It optimizes plant development thanks to its molybdenum content, which is necessary for the synthesis and activity of the nitrate reductase enzyme. Mo content prevents nitrate accumulation in the leaves of your plants and ensures

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Boron (B)	0.5%
Water Soluble Copper (Cu)	1%
Water Soluble Iron (Fe)	4%
Water Soluble Manganese (Mn)	4%
Water Soluble Molybdenum (Mo)	0.1%
Water Soluble Zinc (Zn)	1%

Usage, Time and Dosage

Plant Name	Application Period	Foliar Application Soil Application	Soil Application (Kg/Da)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	It is applied 4-5 times from the 4-5 leaf period of the plants until the harvest.	100 - 200 gr	2-5
Apple, Pear, Quince, Peach, Cherry, Sour Cherry, Apricot, Nectarine, Plum etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	150 - 200 gr	3-5
Grape, Banana, Pomegranate, Fig, Citrus, Olive, Tea etc.	It is applied 3-4 times with an interval of 20 days after flowering.	200 - 300 gr	4-5
Hazelnut, Walnut, Pistachio, Chestnut etc.	It is applied 3-4 times with an interval of 20 days starting from fruit set.	200 - 300 gr	2-3
Cabbage, Radish, Carrot, Celery, Cauliflower etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250 - 300 gr	4-5
Onion, Garlic etc.	It is applied 1-2 times from tuber formation until harvest.	200 - 300 gr	2-3
Sugar Beet, Potato etc.	It is applied 1-2 times from tuber formation until harvest.	250 - 300 gr	4-5
Cut Flowering	It is applied 2-3 times with an interval of 30 days during the development period.	100 - 200 gr	2-3
Cotton, Corn, Sunflower, Soybean, Canola, Cereals (Wheat, Barley, Oats, Rye, Paddy etc.) Legumes, Forage Crops etc.	It is applied 1-2 times from the 4-5 leaf period of the plants until the harvest.	250 - 300 gr	2-3
Green Spaces	It is applied 2-3 times as needed.	200 - 300 gr	2-3

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Diamond Combi

MICRO ELEMENT COMBINATION WITH INCREASED ZINC EFFECTIVENESS

It is easily separated from its counterparts by being enriched with the addition of organic compounds and amino acids, and can be easily absorbed by plants in a wide pH range with its EDTA chelating feature; It is a high quality product containing vital micro elements such as iron, manganese, zinc, copper, boron and molybdenum, which supports efficiency and quality in plant production.

Unikey Diamond Combi; It allows your plant to quickly absorb iron, zinc, boron, copper, molybdenum and manganese. In addition to increasing the assimilation potential of your plant, the EDTA and Citric Acid it contains strengthen the antioxidative defense system, improving plant growth, chlorophyll content and gas exchange properties while reducing soil and climatic stress. Unikey Diamond Combi; It also contains iron, which is a component of many enzymes involved in energy transfer, reduction and fixation of nitrogen, and lignin formation. With its zinc content, it causes many metabolic reactions in all crop types. A constant and continuous supply of Zn is required for optimum growth and maximum yield. It contains manganese, which makes an important contribution to various biological systems including photosynthesis, respiration and nitrogen assimilation. Mn also plays a role in pollen germination, pollen tube growth, stem cell elongation, and resistance to root pathogens. It supports the structural and functional integrity of plant cell membranes with its boron content. Thanks to its copper content, it contributes to enzymatic activities, chlorophyll and seed production in plants. It strengthens the immune system of your plants against diseases such as ergot, which can cause significant yield losses in small grains. It optimizes plant development thanks to its molybdenum content, which is necessary for the synthesis and activity of the nitrate reductase enzyme. Mo content prevents nitrate accumulation in the leaves of your plants and ensures that it is used in protein production for normal development.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Boron (B)	0.6%
Water Soluble Copper (Cu)	1%
Water Soluble Iron (Fe)	5%
Water Soluble Manganese (Mn)	4%
Water Soluble Molybdenum (Mo)	0.04%
Water Soluble Zinc (Zn)	8%

Usage, Time and Dosage

Plant Name	Application Period	With Irrigation Water Usage Dose	Foliar Usage Dose In 100 Lt Water
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	In planting seedlings, 1-2 applications at the beginning of flowering 20-25 days apart.	500-1000 gr/da	200 gr
Greenhouse and Greenhouse Vegetables	In planting seedlings, 1-2 applications at the beginning of flowering 20-25 days apart.	500-1000 gr/da	200 gr
In Fruit Trees	In planting seedlings, 1-2 applications at the beginning of flowering 20-25 days apart.	30 - 150 gr / tree	200 gr
Vineyards	just before birth	1 - 2 kg / da	250 gr
Olive	Before and after flower	30 - 150 gr / tree	200 gr
Citrus	Before and after flower	30 - 150 gr / tree	200 gr
Hazlenut	Before and after flower	100 gr / plot	200 gr
Strawberry	1-2 applications before flowering 20-25 days apart	500 - 800 gr / da	200 gr
Potatoes, Carrots	before flower	1 - 1.5 kg / da	200 gr
Sugar beet	Before the tuber formation period	1 - 1.5 kg / da	200 gr
Wheat, Barley, Paddy, Sunflower, Corn	Before the tillering period	1 - 1.5 kg / da	200 gr
Cotton	before flowering	500-1000 gr/da	200 gr

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey BZN 6-14

BORON (B) and ZINC (Zn) MICRO PLANT NUTRIENTS MIXTURE

Produced with high quality raw materials, the formulation is absolutely essential for the productivity of plants; Boron and zinc are offered in different proportions. Observed in plants; It is aimed to provide alternative nutrition and treatment opportunities that will respond to the deficiency symptoms of these two elements and the demands of different plant species. Thanks to boron and zinc, it has positive effects on flowering and fruit set in plants. It increases productivity by preventing blind flower formation.

Unikey BZN, which can be taken by plants, is completely EDTA chelated, contains 6% boron (B) and a high level of 14% zinc (Zn), and is supported with organic compounds and amino acids to distinguish it from other products on the market and to increase its effectiveness.
Unikey BZN includes;
B (Boron): It is a plant nutrient element that is very active in the germination and elongation of pollen (flower pollen), increasing fruit set, calcium transport, formation of sugar and carbohydrates, formation of plant growth hormones, and prevention of necrosis and fruit spots in buds. In its deficiency, inadequacies in fertilization and fruit formation, death in the growth cone, deformities in the leaves, and cracking and decay in the trunk are observed.
Zn (Zinc): It is also included in growth hormones in plants. It increases flowering and fruit set and prevents fruit drop. It provides homogeneous development in plants by encouraging root development. It helps plants to be resistant to cold and heat. In its deficiency, fruit buds, flowering and flower set decrease, and early leaf fall occurs. The most obvious deficiency symptom; dwarf plants and rosettes on the terminal leaves.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Boron (B)	6%
Water Soluble Zinc (Zn)	14%

Kullanım Yeri, Zamanı ve Dozu

Plant Name	Application Time	Foliar Application Gram/Decare (100 liter water)	Drip Irrigation Gram/Decare (1 tons water)
Tomato, Pepper, Eggplant, Cucumber, Strawberry	Starting from Seedling Planting	150	250-500
Watermelon, Pumpkin, Melon, Vineyard, Kiwi, Banana	Before flowering, before flowering, while the eyes are awakening, from prenatal	100-150	250-500
Cherry, Sour Cherry, Peach, Apricot, Plum, Apple, Pear, Quince	During the pink bud period	100	250-500
Citrus and Olives	During the pink bud period	100-150	250-500
Potato, Sugar beet, Carrot	Before flowering	150	250-500
Corn, Sunflower	Starting from the period when the plant height is 15-20 cm	150	250-500
Wheat, Barley, Paddy, Cotton	In the early development period from the tillering period	100-150	250-500
Beans, Chickpeas, Lentils	Before flowering	100	250-500
Hazelnuts, Walnuts, Pistachios, Pistachios	Before fllowering	100-150	250-500
Onion, Garlic	Starting from the period when the plant height is 15-20 cm	100	250-500
Vegetables with edible leaves (Lettuce, Cabbage, Lettuce, etc.) Green fields, Cut Flowers	In early development	100	250-500

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Zinc 15

IRON (Fe) and ZINC (Zn) MICRO PLANT NUTRIENTS BLEND

Unikey Zinc 15 is a first-class zinc source that is easily soluble in water and can be easily absorbed by your plants, EDTA chelated, and whose effectiveness is increased with organic compounds and amino acids. Zinc, an important microelement in plant nutrition, plays an important role in the activation of enzymes, protein synthesis and carbohydrate metabolism. It prevents plants from becoming stunted and increases plant height and stem thickness.

It prevents yellowing, premature shedding and shrinkage of leaves. It increases the number of shoots and fruit set in fruit trees, prevents fruit deformities, and increases the market value of the product. It increases tillering in cereals, prevents the yellowing of grass in meadows and pastures, encourages rapid growth and abundant grass formation. It significantly increases the yield in all plants.

Unikey Zinc 15 is a very effective food in eliminating jaundice (chlorosis) and zinc deficiencies.
You can use Unikey Zinc 15 starting from seedlings until mid-season application, which can be done by irrigation or foliar spraying.
This product can be used for all cultivated plants. Suitable for hydroponic farming.

1 - 5 - 10 KG

Guaranteed Content (%w/w)

Water Soluble Iron (Fe)	1%
Water Soluble Zinc (Zn)	15%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (Kg/Da)	Foliar Application (For 100 Liters of Water)
Greenhouse and Open Field Vegetables; Melon, Watermelon, Strawberry etc.	From the beginning of the flower and after the first fruits at intervals of 10-15 days	0.5 - 1	150 - 200 gr
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach, etc.)	At intervals of 15-20 days from the period when it has 3-4 leaves	0.5 - 1	150 - 200 gr
Tuberous Plants (Melon, Watermelon, Pumpkin, Potato, Onion, etc.)	From the period of 4-6 leaves and at intervals of 10-15 days after the first fruits	0.5 - 1	150 - 200 gr
Vineyards & Strawberry	As shoot growth begins, after flowering, before I fall	0.5 - 1	100 - 200 gr
Hard Core Fruit Trees (Peach, Apricot, Cherry, Plum etc.)	Before flowering, when the fruits reach the size of a walnut	0.5 - 1	150 - 200 gr
Soft Core Fruit Trees (Apple, Pear, Quince etc.)	Before flowering, when the fruits reach the size of a walnut	0.5 - 1	100 - 200 gr
Citrus, Olive, Hazelnut, Kiwi etc.	Before flowering, when the fruits reach the size of a walnut	0.5 - 1	150 - 200 gr
Industrial Crops (Corn, Cotton, Sunflower, etc.)	At intervals of 15-20 days starting from the 5-6 leaf period	0.5 - 1	150 - 200 gr
All Legumes (Chickpeas, Beans, Lentils, Soybeans, Sunflower etc.)	In the 5-6 leaf period and after 15-20 days	0.5 - 1	100 - 200 gr
Cereals (Wheat, Barley, Paddy etc.)	During tillering and before flowering	0.5 - 1	100 - 200 gr

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Diamond Iron

IRON CHELATE - EDDHA

Unikey Diamond Iron is a 100% water soluble, excellent formulation with Fe 6% EDDHA (4.8% ortho-ortho) chelation, maintaining its stability in a wide range of Ph (4-11).

Plants produce the nutrients and energy necessary for their development through photosynthesis. Light energy is absolutely necessary for the photosynthesis process. Chlorophyll is the pigment responsible for capturing sunlight. The element Iron (Fe) is necessary for the synthesis of chlorophyll pigment, which is responsible for the photosynthesis process.
Photosynthesis is the most important energy process occurring on Earth. Through photosynthesis, solar energy turns into food in plants. Therefore, the production capacity of plants depends on the effectiveness of the sun.
In iron deficiency; Light green color and yellowing appearing on the plant leaves are observed. Initially, leaf veins are green and interveins are yellow. In advanced deficiencies, all the leaves turn yellow and photosynthesis stops.

Unikey Diamond Iron maintains its stability in a wide pH range and provides the best results with its low dosage and high performance compared to other iron-containing preparations.

1 - 5 KG

Guaranteed Content (%w/w)

Water Soluble Iron (Fe)	6%
Iron (Fe) chelated with EDDHA	4.8
pH range where EDDHA Chelate is stable	4-11

Usage, Time and Dosage

Plant Name	Application Period	Soil Application Young Plant Period	Soil Application Full Yield Period
Tomato, Pepper, Eggplant, Cucumber, Pumpkin, Melon, Watermelon, Strawberry, Bean, Pea etc.	2 applications 5 days apart from the beginning of flower	60-100 gr / 100 m2	60-100 gr / 100 m2
Citrus, Fruit Trees, Olive Trees	2 applications 10 days apart from the beginning of flower	5-15 gr / tree	30-60 gr / tree
Cotton, Corn, Soybean, Sunflower, Peanut, Chickpea etc.	2 applications 7 days apart from the beginning of flower	60-100 gr / 100 m2	60-100 gr / 100 m2
Cereals	From the tillering	60-100 gr / 100 m2	60-100 gr / 100 m2
Banana	2 applications before the flower is seen and at the beginning	5-15 gr / tree	30-60 gr / tree
Potato, Onion, Garlic, Cabbage, Carrot, Sugar Beet etc.	2 applications 7 days apart from the beginning of flower	60-100 gr / 100 m2	60-100 gr / 100 m2
Vineyard	2 applications before and after flower	3-7.5 gr / tree	10-20 gr / tree
Cut Flowering	Vegetative growth period and after 2 applications	200 - 250 gr / 100 m2	200 - 250 gr / 100 m2
Tobacco, Tea, Nuts etc.	2 applications before and after flower	3-7.5 gr / tree	10-20 gr / tree

*** The following order should be followed in application :**
The tank to be used is 1/2 - 1/3 filled with water. The product is added to the water with slow and constant stirring. It is recommended to use the prepared mother solution without delay.
The mother solution should be covered and protected from sunlight.

Unikey FerroStrong

IRON CHELATE - EDDHA

Unikey FerroStrong is a 100% water soluble, excellent formulation with Fe 6% EDDHA (4.8% ortho-ortho) chelation, maintaining its stability in a wide range of Ph (4-11).

Plants produce the nutrients and energy necessary for their development through photosynthesis. Light energy is absolutely necessary for the photosynthesis process. Chlorophyll is the pigment responsible for capturing sunlight. The element Iron (Fe) is necessary for the synthesis of chlorophyll pigment, which is responsible for the photosynthesis process.
Photosynthesis is the most important energy process occurring on Earth. Through photosynthesis, solar energy turns into food in plants. Therefore, the production capacity of plants depends on the effectiveness of the sun.
In iron deficiency, light green color and yellowing of plant leaves are observed. Initially, leaf veins are green and interveins are yellow. In advanced deficiencies, all the leaves turn yellow and photosynthesis stops.

Unikey FerroStrong maintains its stability in a wide pH range and provides the best results with its low dosage and high performance compared to other iron-containing preparations.

1 - 5 KG

Guaranteed Content (%w/w)

Water Soluble Iron (Fe)	6%
Iron (Fe) chelated with EDDHA	4.8
pH range where EDDHA Chelate is stable	4-11

Usage, Time and Dosage

Plant Name	Application Period	Soil Application Young Plant Period	Soil Application Full Yield Period
Tomato, Pepper, Eggplant, Cucumber, Pumpkin, Melon, Watermelon, Strawberry, Bean, Pea etc.	2 applications 5 days apart from the beginning of flower	60-100 gr / 100 m2	60-100 gr / 100 m2
Citrus, Fruit Trees, Olive Trees	2 applications 10 days apart from the beginning of flower	5-15 gr / tree	30-60 gr / tree
Cotton, Corn, Soybean, Sunflower, Peanut, Chickpea etc.	2 applications 7 days apart from the beginning of flower	60-100 gr / 100 m2	60-100 gr / 100 m2
Cereals	From the tillering	60-100 gr / 100 m2	60-100 gr / 100 m2
Banana	2 applications before the flower is seen and at the beginning	5-15 gr / tree	30-60 gr / tree
Patates, Soğan, Sarımsak, Lahana, Havuç, Şeker Pancarı vb.	2 applications 7 days apart from the beginning of flower	60-100 gr / 100 m2	60-100 gr / 100 m2
Vineyard	2 applications before and after flower	3-7.5 gr / tree	10-20 gr / tree
Cut Flowering	Vegetative growth period and after 2 applications	200 - 250 gr / 100 m2	200 - 250 gr / 100 m2
Tobacco, Tea, Nuts etc.	2 applications before and after flower	3-7.5 gr / tree	10-20 gr / tree

*** The following order should be followed in application :**
The tank to be used is 1/2 - 1/3 filled with water. The product is added to the water with slow and constant stirring. It is recommended to use the prepared mother solution without delay.
The mother solution should be covered and protected from sunlight.

LIQUID MICRO ELEMENT FERTILIZERS

Micronutrients are nutrients that plants need in very low amounts but are vital. Diseases, deformities and major productivity losses are observed in the deficiency of these nutrients, which play a role in many vital functions such as enzymatic processes, reproduction, pollination, photosynthesis, protein synthesis, respiration, disease and pest resistance.

Micro elements; They are essential for healthy plant growth and development. They are absolutely necessary for various metabolic and enzymatic activities to occur in the plant. In cases of intensive agriculture, element deficiencies should be prevented and in cases of deficiency, it should be applied to products grown in alkaline and salty environments. Trace elements that may be unusable to the plant due to various factors in the soil are applied to the plant from the leaves or soil in the correct combination and chelated form.
Products sensitive to micro element deficiency; fruit trees, vegetables, field crops and ornamental plants.

Microelement deficiency symptoms manifest themselves as chlorosis in plants, deformed spots or drying on leaves. Plant growth and development slows down, negatively affecting yield and quality.

Product Name	Boron (B)	Copper (Cu)	Iron (Fe)	EDDHA Chelated Iron (Fe)	Zinc (Zn)	Manganese (Mn)	Molybdenum (Mn)
UNIKEY FER ZINC	-	-	2	-	2	-	-
UNIKEY BORMAX	11	-	-	-	-	-	-
UNIKEY FER MAX	-	-	6	6	-	-	-
UNIKEY CUMAX	-	10	-	-	-	-	-

Unikey Fer Zinc 2-2

IRON (Fe) and ZINC (Zn) LIQUID MICRO PLANT NUTRIENTS MIXTURE - EC FERTILIZER

Unikey Fer Zinc is specially formulated to maximize rapid and complete uptake. This is a unique product supported by EDTA chelated, organic compounds and amino acids. It is an effective source of iron and zinc. Unikey Fer Zinc corrects symptoms caused by zinc and iron deficiency while amending the soil for lasting results. Unikey Fer Zinc supports plant height, trunk, leaf and branch development.

Nitrogen and magnesium increase its effectiveness. It positively affects quality by preventing leaf and fruit drop. Provides dark green leaves and healthy bud development. It is used on all fruits, vegetables, olives, field and garden plants. It is very effective in the formation and development of cocoons, especially in cotton cultivation.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Water Soluble Iron (Fe)	2%
Water Soluble Zinc (Zn)	2%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with Irrigation Water)	Foliar Application (For 100 Liters of Water)
Cotton	15-20 days intervals before flowering	200 - 250 cc / da	100 -150 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 - 250 cc / da	100 -150 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 - 250 cc / da	100 -150 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince, Citrus, Olive, Vineyard, Hazelnut, Pistachio etc.)	It is applied in two or three repetitions with the onset of development.	200 - 250 cc / da	100 -150 cc / da
Industrial Plants (Corn, Cotton, Sunflower etc.)	At intervals of 15-20 days starting from the 5-6 leaf period	200 - 250 cc / da	100 -150 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the 5-6 leaf period and after 15-20 days	200 - 250 cc / da	100 -150 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period	200 - 250 cc / da	100 -150 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Bormax

ROOT DEVELOPMENT AND FRUIT SET

It is an effective formulation that is ethanolamine chelated and contains 11% Boron. Boron enters the structure of the cell wall and increases its resistance. Since it is necessary for the development of meristematic tissue, it is also responsible for the germination of seeds and flowering stages of plants. It controls the carbohydrate transport mechanism in the plant. It plays an important role in protein synthesis.

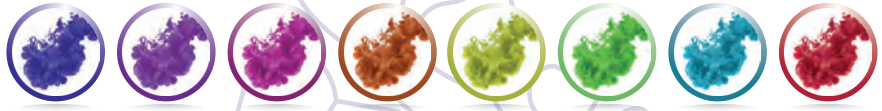
Boron deficiency first manifests itself with a significant slowdown in growth points. The shape of young leaves is distorted, swellings and depressions appear on their surfaces, most of the time, the tip growth points die and plant growth stops. Flower and fruit formation declines. Fruits are small in size and of low quality. Root growth is significantly reduced. In sugar beet, the leaves curl, become stunted, and turn brown or black. The sugar content and product are low. Cracked and rough surfaces and a hollow or corky appearance in tomatoes, cauliflower, apples and citrus fruits are signs of insufficient boron. In vines, especially pollination is negatively affected. The grains remain small and sour.

Especially in sandy, acidic soils, it is necessary to fertilize these soils with boron-containing fertilizers due to the leaching of boron. Emphasis should be placed on liming acid soils as it reduces the availability of boron. As the amount of lime and pH increases, the availability of boron decreases.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Boron Ethanolamine	11%
ETHANOLAMINE CHELATED	



Usage, Time and Dosage

Plant Name	Application Period	Foliar Application (For 100 Liters of Water)
Sugar beet	It is applied when the crop has sufficient volume. If necessary, it is repeated after an interval of 10-14 days.	150 - 200 cc / da
Strawberry	At the white shoot stage and early stages of flowering	100 - 200 cc / da
Melon	When the crop reaches a height of 15 – 30 cm and bears 2 to 5 cm fruit	100 - 200 cc / da
legumes	When the crop reaches a length of 15 – 30 cm	100 - 200 cc / da
Sunflower	It is applied when the crop has sufficient volume.	100 - 200 cc / da
Olive-tree	It is applied in the spring before flowering.	100 - 200 cc / da
Fruit trees	It is applied before flowering, when the shoots open, after ripening and in the first swelling stages of the fruit.	100 - 200 cc / da
Vineyards	At the phenological stage of visible panicles and when the inflorescences are separated	150 - 200 cc / da
Flowers and Ornamental Plants	It is applied in the early stages of sprouting and during sprouting.	250 - 500 cc / da
Soil Application	Depending on the need of the crop, 300 - 400 cc / da is applied.	

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Fer Max

FERROUS FERTILIZER SOLUTION - EC FERTILIZER

Unikey Fer Max is a high availability formulation complexed with EDTA chelated 6% Iron (Fe) as well as organic compounds and amino acid derivatives. Iron, which is an important nutrient element for plants, turns into water-insoluble iron hydroxide or iron carbonate compounds in calcareous and high pH soils and becomes useless for plants. Taking iron ion into the plant body and eliminating the iron element deficiency in plants is possible by providing this ion in water-soluble form. Lack of or insufficient intake of iron ions into the plant body causes iron deficiency chlorosis in plants. It is a high-end product adapted to eliminate iron deficiency and prevent or treat chloride. Thanks to its complex structure, it is rapidly absorbed from the leaves and is effective in a wide pH range in soil applications. It meets the plant nutrient needs of plants with its 100% water solubility. It prevents and helps treat nutrient deficiency symptoms such as yellowing of leaves or stems, curling and spotting on leaves. Unikey Fer Max is an effective and residue-free liquid iron source for leaf and base application. It works even in alkaline soils and provides healthy production and increased efficiency.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Water Soluble Iron (Fe)	6%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with Irrigation Water)	Foliar Application (For 100 Liters of Water)
Cotton	15-20 days intervals before flowering	200 - 250 cc / da	100 -150 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 - 250 cc / da	100 -150 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 - 250 cc / da	100 -150 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince, Citrus, Olive, Vineyard, Hazelnut, Pistachio etc.)	It is applied in two or three repetitions with the onset of development.	200 - 250 cc / da	100 -150 cc / da
Industrial Plants (Corn, Cotton, Sunflower etc.)	At intervals of 15-20 days starting from the 5-6 leaf period	200 - 250 cc / da	100 -150 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the 5-6 leaf period and after 15-20 days	200 - 250 cc / da	100 -150 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period	200 - 250 cc / da	100 -150 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey CuMax

SYSTEMIC LIQUID COPPER - PLANT NUTRITION AND PROTECTION TOGETHER

Unikey CuMax contains 10% Copper (Cu), all organic and chelated with salicylic acid. Since it is a systemic product, it is completely taken up by the plant and transported into the plant body in a very short time after it is applied. It does not wash away and therefore does not create heavy metal stress in the soil. It is carried to all organs in plants, from root to leaf and from leaf to root. After use, it is quickly absorbed by the plant and eliminates copper deficiency, while it plays a role in photosynthesis by supporting enzyme production in the plant.

It is suitable for both foliar and soil application and can be applied to fruit trees as a protectant against fungal and bacterial diseases. Since it is completely absorbed into the plant, it does not get washed away by rain. It both nourishes and protects the plant. It increases flower formation and fruit set. The salicylic acid (SA) it contains increases the photosynthetic rate and seed germination while stimulating the synthesis of secondary metabolites such as flavonoids and anthocyanins that protect plants from oxidative stress.

1 - 5 - 20 L

Guaranteed Content (%w/w)

Water Soluble Copper (Cu)	10%

Usage, Time and Dosage

Plant Name	Application Period	Foliar Application (For 100 Liters of Water)	Soil Application
Vegetables (Open Field) Tomato, Pepper, Cucumber, Eggplant, Beans, Zucchini etc.	2-3 applications after the seedling clings to the soil	100 -150 cc / da	1 Lt / da
Greenhouse and Greenhouse Vegetables	2-3 applications after the seedling clings to the soil	100 -150 cc / da	1 Lt / da
Tuberous Plants	From the exit to the first anchor	100 -150 cc / da	1 Lt / da
Industrial Crops (Corn, Sunflower, Wheat, Anise, Cotton, Paddy etc.)	When the plant is 10-15 cm from emergence, 2-3 applications	100 -150 cc / da	1 Lt / da
Hard Seed Fruits	2-3 applications throughout the season	100 -150 cc / da	1 Lt / da
Soft Seed Fruits	2-3 applications throughout the season	100 -150 cc / da	1 Lt / da
Citrus	2-3 applications throughout the season	100 -150 cc / da	1 Lt / da
Strawberry	After the seedling is attached to the soil, throughout the harvest	100 -150 cc / da	1 Lt / da
Vineyard	2-3 applications until the fruit color turns after the shoots are 10-15 cm.	100 -150 cc / da	1 Lt / da
Banana	2 applications during the season	100 -150 cc / da	1 Lt / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

GEL (SUSPENSION) MICRO ELEMENT FERTILIZERS

Micronutrients are nutrients that plants need in very low amounts but are vital. Diseases, deformities and major productivity losses are observed in the deficiency of these nutrients, which play a role in many vital functions such as enzymatic processes, reproduction, pollination, photosynthesis, protein synthesis, respiration, disease and pest resistance.

Micro elements; They are essential for healthy plant growth and development. They are absolutely necessary for various metabolic and enzymatic activities to occur in the plant. In cases of intensive agriculture, element deficiencies should be prevented and in cases of deficiency, it should be applied to products grown in alkaline and salty environments. Trace elements that may be unusable to the plant due to various factors in the soil are applied to the plant from the leaves or soil in the correct combination and chelated form.
Products sensitive to micro element deficiency; fruit trees, vegetables, field crops and ornamental plants.

Symptoms of microelement deficiency manifest themselves in the form of chlorosis in plants, deformed spots or drying on the leaves. Plant growth and development slows down, negatively affecting yield and quality.

Product Name	Organic Matter	Sulfur (SO3)	Calcium (CaO)	Magnesium (MgO)	Boron (B)	Copper (Cu)	Iron (Fe)	Zinc (Zn)	Manganese (Mn)	Molybdenum (Mo)
DESPERO JL GOLD COMBI	-	-	-	-	0,60	1	5	8	4	0,050
DESPERO JL MICRO	25	5	-	2	-	0,08	0,20	0,30	0,20	-
PROFESSIONIAL FER JL	-	-	-	-	-	-	15	-	-	-
PROFESSIONIAL ZN JL	-	-	-	-	-	-	-	20	-	-
PROFESSIONIAL MN JL	-	-	-	-	-	-	-	-	17	-
PROFESSIONIAL CU JL	-	-	-	-	-	17	-	-	-	-
PROFESSIONAL CAL JL	-	-	18	-	-	-	-	-	-	-
UNIKEY SULFUR SC 80	-	80	-	-	-	-	-	-	-	-

DESPERO JL GOLD COMBI

BORON (B), COPPER (Cu), IRON (Fe), MANGANESE (Mn), MOLYBDENUM (Mo) and ZINC (Zn) LIQUID MICRO PLANT NUTRIENTS MIXTURE

DESPERO JL GOLD COMBI contains the 6 micronutrients needed by plants in higher amounts than its counterparts, in a complex chemical structure that plants can easily absorb and benefit from, and shows high performance in both base and foliar application. It is designed as an effective and superior quality concentrated high fluidity suspension gel fertilizer to perfectly meet the micronutrient needs of your plants.

DESPERO JL GOLD COMBI is a high quality, concentrated, homogeneous suspension (gel) fertilizer that does not contain chlorine, sodium and heavy metals. This product contains micronutrients in a balanced formulation that can be easily absorbed by plants and that you may need at every stage to achieve optimum results.

It is enriched with high-quality adjuvants (phenol compounds, organic and aminoside) that improve the properties of the working fluid. Supports application through all fertilization systems such as drip systems, low throw sprinklers, center pivots and spray units. Micronutrients are important for the development and immune systems of plants. Each micro element is responsible for different enzymes and biological functions within the plant.

Guaranteed Content (%w/v)

Water Soluble Boron (B)	0.9%
Water Soluble Copper (Cu)	1.5%
Water Soluble Iron (Fe)	7.5%
Water Soluble Manganese (Mn)	6%
Water Soluble Molybdenum (Mo)	0.075%
Water Soluble Zinc (Zn)	12%

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (with Irrigation Water)	Foliar Application (For 100 Liters of Water)
Cotton	15-20 days intervals before flowering	200 - 250 cc / da	100 -150 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 - 250 cc / da	100 -150 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits.	200 - 250 cc / da	100 -150 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince, Citrus, Olive, Vineyard, Hazelnut, Pistachio etc.)	It is applied in two or three repetitions with the onset of development.	200 - 250 cc / da	100 -150 cc / da
Industrial Plants (Corn, Cotton, Sunflower etc.)	At intervals of 15-20 days starting from the 5-6 leaf period	200 - 250 cc / da	100 -150 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the 5-6 leaf period and after 15-20 days	200 - 250 cc / da	100 -150 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period	200 - 250 cc / da	100 -150 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

DESPERO JL MICRO

SECONDARY AND TRACELEMENT ADDED LIQUID ORGANOMINERAL FERTILIZER - EC FERTILIZER

DESPERO JL MICRO is designed as an effective and superior quality concentrated high-fluidity suspension gel fertilizer to perfectly meet the micronutrient needs of your plants. DESPERO JL MICRO is a high quality, concentrated, homogeneous suspension (gel) fertilizer that does not contain chlorine, sodium and heavy metals. This series contains highly absorbable, chelated microelements that help balance high soil pH, sulfur and maximum nutrient efficiency for your plants. DESPERO JL MICRO contains micronutrients in a balanced formulation that can be easily absorbed by plants and that you may need at every stage to achieve optimum results. It is enriched with high-quality adjuvants (phenol compounds, organic and aminoside) that improve the properties of the working fluid. Supports application through all fertilization systems such as drip systems, low throw sprinklers, center pivots and spray units.
Micronutrients are important for the development and immune systems of plants. Each micro element is responsible for different enzymes and biological functions within the plant.

Guaranteed Content (%w/v)

Organic Matter	32%
Water Soluble Magnesium Oxide (MGO)	2.5%
Water Soluble Sulfur Trioxide (SO3)	6.5%
Total Sulfur Trioxide (SO3)	6.5%
Water Soluble Copper (Cu)	0.10%
Water Soluble Iron (Fe)	0.2%
Water Soluble Manganese (Mn)	0.25%
Water Soluble Zinc (Zn)	0.40%
Max. Chlorine	1%
pH	5-7

Usage, Time and Dosage

Plant Name	Application Period	Soil Application (With Drip Irrigation)	Foliar Application (For 100 L Water)
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber Eggplant, Bean, Strawberry etc.)	Starting one week after the seedlings are transplanted, 2-3 applications are made until the fruit ripens.	1.5 - 2 lt / Da	150-200 ml
Leaf Eaten Winter Vegetables (Curly, Lettuce, Cabbage, Spinach etc.)	3-4 applications are made during vegetation.	1.5 - 2 lt / Da	150-200 ml
Tuberous Plants (Sugarbeet, Potato, Onion etc.)	1 application after the anchor, the second application 15-20 days later.	2 - 3 lt / Da	200-250 ml
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	3-4 applications are made during vegetation.	1 - 2 lt / Da	200-250 ml
Industrial Plants (Cotton, Sunflower etc.)	2-3 applications from the period when the plant height is 15-20 cm	1.5 - 2 lt / Da	200-250 ml
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	2-3 applications during the growth period.	1.5 - 2 lt / Da	200-250 ml
Cereals (Corn, Wheat, Barley, Paddy etc.)	2 applications during tillering and rooting	————	200-250 ml

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

PROFESSIONAL FER JL

FERROUS FERTILIZER SOLUTION - EC FERTILIZER

Professional FER JL is a highly concentrated suspension (gel) fertilizer with 15% Iron (Fe) content to prevent iron deficiency. It is enriched with high-quality adjuvants (phenol compounds, organic and aminoside) that improve the properties of the working fluid.

Especially; It is recommended against iron deficiency in fruit trees, viticulture, pistachios, strawberries, greenhouse and open field vegetable production, all kinds of agricultural production and ornamental plants. Professional FER JL is environmentally friendly and completely biodegradable. The innovative iron complex is a safe, non-burning, high-yield, easy-to-use, fully biodegradable, non-corrosive suspension fertilizer.

Professional FER JL is a fast and long-acting EDDHA iron chelate that can be used in all types of soil conditions and can be taken in a wide pH range.

Iron (Fe) is an important plant nutrient element that helps chlorophyll formation in plants and accelerates photosynthesis. Iron (Fe), which is the most deficient in cultivated plants and plant production, shows symptoms (yellowed and shrunken leaves) as a result of high pH, high lime rate in the soil, binding by phosphorus or other plant nutrients, excessive moisture and consumption by the plants. Professional FER JL helps eliminate the deficiency thanks to its fast and long-lasting EDDHA chelated iron, which can be used in all types of soil conditions, can be taken in a wide pH range, and is effective for a long time. It allows iron to be taken into the plant without being retained by soil colloids.

Guaranteed Content (%w/v)

Water Soluble Iron (Fe)	22%

Usage, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Foliar Application; 100 - 150 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	15-20 days intervals before flowering	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period.	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

PROFESSIONAL ZN JL

ZINC FERTILIZER SUSPENSION - EC FERTILIZER

Professional ZN JL is a concentrated fertilizer containing 20% zinc in suspension. It is extremely effective in preventing or improving Zinc deficiencies in field and garden plants. It supports root development, fruit color and yield.

Professional ZN JL contains Zinc, an important component of various enzymes that are responsible for carrying out many metabolic reactions in plants. It is enriched with high-quality adjuvants (phenol compounds, organic and amino acids) that improve the properties of the working fluid.

If specific enzymes were not found in plant tissue, growth and development would stop. In zinc-deficient plants, carbohydrate, protein and chlorophyll formation is significantly reduced.

Highlights of Professional ZN JL:

Provides fast and effective zinc nutrition.
It is in a form that plants can take.
It ensures a constant supply of zinc required for optimum growth and maximum yield.

Professional ZN JL is a highly recommended product in fertilization programs, especially in fruit trees, vineyards, tomatoes, grains, **corn and potato production and in case of excessive application of phosphate fertilizers.**

Guaranteed Content (%w/v)

Total Zinc (Zn)	30%

Usage, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 100 - 150 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	15-20 days intervals before flowering	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period.	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

PROFESSIONAL MN JL

MANGANESE FERTILIZER SUSPENSION - EC FERTILIZER

Professional MN JL is a concentrated fertilizer containing 17% Manganese (Mg) in suspension. It is extremely effective in preventing or improving Manganese deficiencies in field and garden plants. Highly concentrated fluid suspension allows lower salinity, higher application rates for plant safety and high performance in foliar feeding. It has high compatibility with plant protection products. Enriched with high-quality adjuvants (phenol compounds, organic and amino acids) that improve the properties of the working fluid

The micronutrient manganese is involved in many enzyme systems within the plant. Deficiencies are common in a wide variety of crops. Manganese can be absorbed from the soil, and foliar applications are often a routine part of crop production. Low manganese status affects young leaves and active growing points. Plants show slow growth and low vigor. Young leaves show a distinctive mottled interveinal chlorosis. Manganese deficiency restricts the conversion of sunlight into plant energy, resulting in slow growth rates, poor development, and low tolerance to both biotic and abiotic stress. Low manganese status is often associated with alkaline soils and cold, wet growing conditions.

Professional MN JL is a highly concentrated single-element suspension liquid fertilizer designed to eliminate manganese deficiency.

Professional MN JL is formulated using high quality mineral elements to provide the following benefits. It minimizes handling, packaging, transportation and application rates. It can be mixed in a wide range of tanks with agricultural chemicals. It is enriched with plant growth regulators to optimize performance.

Guaranteed Content (%w/v)

Total Manganese (Mn)	25%

Usage, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 100 - 150 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	15-20 days intervals before flowering	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period.	200 -250 cc / da

PROFESSIONAL CU JL

COPPER FERTILIZER SUSPENSION - EC FERTILIZER

PROFESSINAL CU JL is a concentrated fertilizer in suspension containing 17% copper.
It is a supporting element for preventive and curative treatment of field and garden plants.
If PROFESSINAL CU JL is applied to the leaves, it is easily absorbed and transported downwards by the phloem to the entire plant and roots. If applied to the roots, it is easily absorbed and carried upwards by the xylem. There is no residue problem. It is very quickly absorbed systemically by the plant. It strengthens the immune system of plants and provides resistance to diseases in the plant. It activates the natural defense system of the plant and encourages the accumulation of some compounds and phytoalexins with antimicrobial properties. It is a copper solution complexed with gluconic acid that can be used for fungal and bacterial disease (root and stem rot) control, especially against fire blight.

Some functions of Cu in PROFESSINAL CU JL:

While it is especially active in photosynthesis, it acts as a catalyst in respiration and its deficiency can reduce respiration rates.
Its presence is effective in the formation of the cell wall.
Cu intensifies the oxidation of phenol compounds to quinones, wound healing and pigment formation.
It is an extremely effective product in regulating auxins and reproduction.
It is enriched with high-quality adjuvants (phenol compounds, organic and amino acid) that improve the properties of the working fluid.

Guaranteed Content (%w/v)

Total Copper (Cu)	25%

Usage, Time and Dosage

According to plant type and period;
Soil Application; 200 - 250 cc/da/day
Leaf Application; 100 - 150 cc/100 L water

Plant Name	Application Period	Soil Application
Cotton	15-20 days intervals before flowering	200 -250 cc / da
Greenhouse and Outdoor Vegetables (Tomato, Pepper, Cucumber, Eggplant, Bean, Strawberry etc.)	Before and after flowering 15-20 days apart	200 -250 cc / da
Tuberous Plants (Zucchini, Potato, Onion, etc.) Melon, Watermelon	From the period before and after flowering and at intervals of 15-20 days after the first fruits	200 -250 cc / da
All Fruit Trees (Peach, Apricot, Cherry, Plum, Apple, Pear, Quince etc.)	It is applied in two or three repetitions with the onset of development.	200 -250 cc / da
Industrial Crops (Corn, Cotton, Sunflower etc.)	From the 5-6 leaf period, at intervals of 15-20 days.	200 -250 cc / da
All Legumes (Chickpeas, Beans, Lentils, Soy, etc.)	In the period of 5-6 leaves and after 15-20 days.	200 -250 cc / da
Cereals (Wheat, Barley, Paddy etc.)	During the tillering period.	200 -250 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

PROFESSIONAL CAL JL

CALCIUM CHLORIDE SOLUTION - EC FERTILIZER

Professional JL is a suspension containing 18% CaO for the provision of curative and preventive nutrients to horticultural and agricultural crops. It is enriched with high-quality adjuvants (phenol compounds, organic and aminoside) that improve the properties of the working fluid. Plants need high amounts of calcium for their healthy development. It is a product in suspension concentrated form that contains the highly concentrated Calcium (Ca) compound in its purest form. It does not have caustic properties in high doses. By being found in the structure of plant cell walls, it provides the formation of a stronger tissue. It is effective in preventing damage and losses that may occur during transportation and storage by increasing the shell structure and durability of fruits. The product can be used to correct conditions of acidic pH, salinity or high EC values, it is intended for foliar and soil application by spraying.

It is especially suitable for apples, stone fruits, vineyards and vegetables.
Concentrated calcium fertilizer in suspension containing 18% calcium oxide.
It is recommended for preventive and curative treatment of agricultural and horticultural plants.
Highly concentrated fluid suspension.
It ensures product safety and high performance in leaf feeding.
Low salinity allows higher application rates.
It is a special product that has high compatibility with plant protection products.

Guaranteed Content (%w/v)

Water Soluble Calcium Oxide (CaO) 28%

Usage, Time and Dosage

Plant Name	Application Period	Drip Irrigation	Foliar Application
Open Field Vegetables, Tomato, Pepper, Eggplant, Cucumber, Bean, Melon etc.	2-3 applications 10-15 days after fruit set	1.5 - 2 Lt / Da	200 - 250 cc / da
Greenhouse and Greenhouse Vegetables	2-3 applications divided into active development period	1.5 - 2 Lt / Da	200 - 250 cc / da
Fruit trees	2-3 applications 10-15 days after fruit set	60-100 cc / ağaç	200 - 250 cc / da
Vineyards	During active development	2 - 3 Lt / Da	250 - 300 cc / da
Olive	Before flowering and after fruit set.	60-100 cc / tree	200 - 250 cc / da
Narenciye	2-3 applications with 10 days interval after fruit set and after harvest	60-100 cc / tree	200 - 250 cc / da
Hazelnut	2-3 applications during the active growth period	100 cc / plot	200 - 250 cc / da
Strawberry	2-3 applications before flowering from the start	2 - 3 Lt / Da	200 - 250 cc / da
Sugar Beet, Potato, Carrot	During the development period after the first anchor and before the spike	2 - 2.5 Lt / Da	200 - 250 cc / da
Wheat, Barley, Paddy, Sunflower, Corn	During the active development period and before the spike	1 - 1.5 Lt / Da	200 - 250 cc / da
Cotton	During active development and before flowering	1.5 - 2 Lt / Da	150 - 200 cc / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Sulfur SC

PH REDUCING EFFECT - SALINITY REMOVING

Unikey Sulfur SC 80 is a special systemic formulation that acts very quickly on soil and plants, thanks to its micronized and liquefied elemental sulfur, concentrated and high fluidity. It removes salinity and lime from the soil and quickly lowers the pH. It converts the lime (CaCo3) in the soil into usable calcium (CaO) and carbon dioxide (CO2). It is activated as soon as it meets water, and unlike other forms of sulfur, it does not require factors such as soil temperature or bacterial activity to activate. Unikey Sulfur SC 80 makes available macro and micro plant nutrients that are accumulated and bound in the soil because they cannot be absorbed. It meets the sulfur needs of plants. It protects the plant against fungal factors in the soil, root and crown diseases and increases microorganism activity.

Unikey Sulfur SC 80 is four times more effective than similar sulfur forms because it is in elemental form. The fact that the sulfur (SO3) rate in the liquid sulfur in its formulation is 80% makes it much more effective. It can be easily used in all kinds of soil reclamation. Only the amount to be applied during use should be determined according to the soil pH level and the structure of the soil.

Unikey Sulfur SC 80 can be easily used in dripping, sprinkling, spraying and spraying systems since its particle diameter is less than 5 microns. When foliar application is made by spraying, the rate to be used can be adjusted to 250 ml/decare or 100 lt of water, and in the drip irrigation system, it can be set to 0.5-1 L/da with drip irrigation.

While liquid sulfur improves the soil, it provides easy intake of nutrients required for plants as it is a macronutrient element.
While the plants develop healthily, it brings with it an increase in soil fertility and productivity.
Sulfur is involved in the synthesis of hormones and enzymes in the plant.
Sulfur is a building block in the synthesis of amino acids, coenzymes, enzymes and proteins in plants.
Sulfur is responsible for the synthesis of many basic protein building blocks such as cysteine, cystine and methionine.
The substance that increases nitrogen fixation in plants is sulfur, which accelerates nitrate and carbohydrate metabolism.
Sulfur is responsible for the synthesis of chlorophyll, which is necessary for photosynthesis in plants.

Guaranteed Content (%w/w)

Elemental Sulfur (SO3)	80%

Usage, Time and Dosage

Plant Name	Application Period	Foliar Application	Soil Application
Garden plants	2-3 applications 10-15 days after fruit set	250 - 300 cc / 100 lt	1 - 3 lt / da
Plum, Cherry, Apricot, Peach, Olive, Vineyard, Citrus, Almond, Pomegranate, Apple	2-3 applications divided into active development period	250 - 300 cc / 100 lt	1 - 3 lt / da
Farm plants	2-3 applications 10-15 days after fruit set	150 cc / 100 lt	1 - 3 lt / da
Peanut, Corn, Potato, Wheat, Tomato, Sunflower, Lettuce	During active development	150 cc / 100 lt	1 - 3 lt / da
Greenhouse Plants	Before flowering and after fruit set.	100 - 150 cc / 100 lt	1 - 3 lt / da
Tomatoes, Cucumbers, Beans	2-3 applications with 10 days interval after fruit set and after harvest	100 - 150 cc / 100 lt	1 - 3 lt / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

ORGANOMINERAL FERTILIZER SERIES

ORGANOMINERAL FERTILIZER SERIES

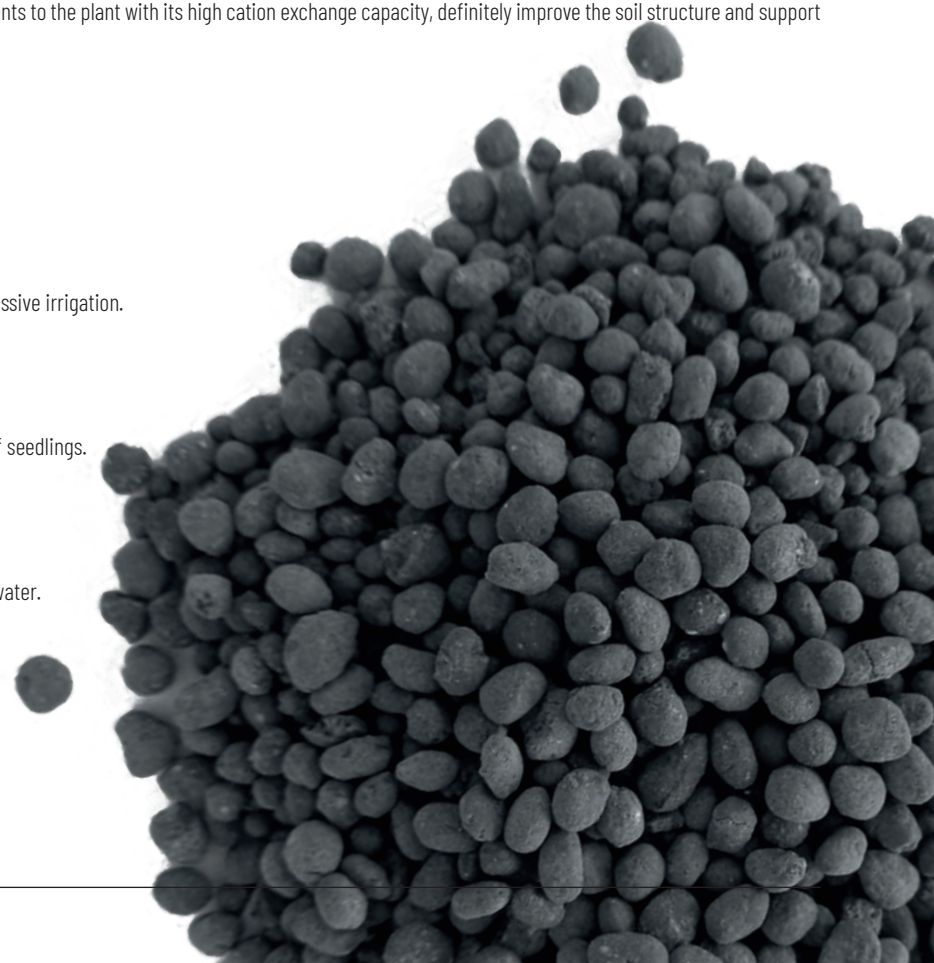
It is accepted that the amount of soil organic matter should be between 3-5% in order for many reactions to occur quickly in the soil, for air and water to enter and exit easily, and for the creatures living in the soil to be nourished. Humus is the organic matter of the soil. Humus: It is organic matter (based on leonardite) that is naturally formed by the decomposition of plant matter underground for thousands of years. It regulates soil texture and structure with the humic and fulvic acids it contains and encourages vegetative development in the plant. Humus ensures that granular fertilizer integrates with the soil and sticks to it. With this feature, it provides superiority to other coated fertilizers.

Soil organic matter is the food source for microorganisms living in the soil. Microorganisms are workers who work for us for free. They enable the soil to swell, aerate and increase its water retention capacity, and also take part in reactions that affect the ion and cation exchange capacities of nutrients. They affect the transport of nutritional elements and change their valence. This will ultimately provide us with good root development, good nutrition, high yield and high profit with high quality.

In recent years, the rainfall regime has decreased considerably; Our ORGANOMINERAL FERTILIZER series, produced in accordance with the vegetative development periods of plants, using quality raw materials, with many other features that retain moisture in the soil, support the transportation of applied plant nutrients to the plant with its high cation exchange capacity, definitely improve the soil structure and support agricultural production, are your biggest supporter. will be...

Benefits of Unicarbon Organomineral Fertilizers:

It balances the water retention and aeration capacity of the soil.
It improves the soil structure, encourages capillary rooting and plant root development.
It increases microbiological activity in the soil and therefore the availability of nutrients.
It helps reduce the salinity of the soil.
It prevents sudden pH changes in the soil.
It has a buffering effect on the soil. It reduces the toxic effects of incorrect fertilizer applications.
It prevents nutrients, especially nitrogen, from being washed out of the soil by excessive rainfall and excessive irrigation.
It increases the soil's capacity to retain nutrients and carry them to the plant.
It prevents phosphorus from binding (fixation) with lime in the soil.
It ensures the release of macronutrient elements fixed in the soil.
It makes the microelements that are useless in the soil useful by keeping them in the form of clay.
It ensures increased soil temperature, early germination of seeds, and healthy and strong development of seedlings.
It prevents the formation of a creamy layer in the soil.
It reduces soil loss caused by erosion.
By using Unicarbon fertilizers every year, the amount of organic matter (humus) in the soil is increased.
With the use of UniCarbon fertilizer, drought stress of the plant is reduced at first emergence.
With all these features of Unicarbon, it protects the soil structure and prevents contamination of groundwater.



GARANTİ EDİLEN İÇERİK (% w/w)	8.21.0+TE	12.22.0+TE	P25 (10-25-0)	8-8-0	10.15.10+TE	11.11.11+TE	15.15.15	5-0-20	Round Combi	10.10.10	6-16-6	P21 (8-21-0)	N-30	N-20
Organic Matter	15	15	15	20	15	15	15	15	15	15	15	15	20	20
Total Humic/Fulvic Acid	5	6	6	7	10	8	10	5	10	6	6	5	10	10
Total Nitrogen (N)	8	12	10	8	10	11	15	5	-	10	6	8	30	20
Total Ammonium Nitrogen (NH4-N)	8	9	10	8	5,5	4	5,5	-	-	2	6	4	-	-
Total Urea Nitrogen (NH2-N)	-	9	-	-	4,5	7	9,5	5	-	8	-	4	30	20
Total Phosphorus Pentaoxide (P205)	21	22	25	8	15	11	15	-	-	10	16	21	-	-
Water Soluble Phosphorus Pentaoxide (P205)	20	20	21	7	13	9,5	13	-	-	5	6	9	-	-
Total Potassium Oxide (K20)	-	-	-	-	10	11	15	20	-	10	6	-	-	-
Total Sulfur Trioxide (S03)	15	15	15	-	15	11	-	-	-	-	-	-	-	15
Total Zinc (Zn)	0,1	0,2	-	-	0,02	0,1	-	-	5	-	-	-	-	-
Total Boron (B)	-	-	-	-	0,02	-	-	-	1	-	-	-	-	-
Total Iron (Fe)	-	-	-	-	0,5	-	-	-	4	-	-	-	-	-
Total Magnesium (MgO)	0,1	0,2	-	-	0,002	0,1	-	-	5	-	-	-	-	-
pH	5,5-7,5	5,5-7,5	5-7	6-8	6-8	5,5-7,5	6-8	5,5-7,5	6-8	6-8	6-8	6-8	6,5-8,5	6-8

UniCarbon 8-21-0+TE

NP SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

YOrganomineral fertilizer containing high phosphorus, balancing nitrogen and zinc can be used for subsoil fertilization of all field and garden (vegetable - fruit) plants. With the sulfur it contains, the soil increases nutrient uptake by regulating soil pH in areas with high lime content.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	8%
Ammonium Nitrogen (N)	8%
Total Phosphorus Penta Oxide (P2O5)	21%
Water Soluble Phosphorus Pentaoxide (P2O5)	20%
Total Sulfur Trioxide (SO3)	15%
Water Soluble Sulfur Trioxide (SO3)	0.1%
Total Zinc (Zn)	0.1%
Total (Humic+Fulvic) Acid	5%
Max. Chlorine (Cl)	0.5
Max. Moisture	20
pH	5.5 - 7.5

Areas of Use and Dosage: Applied to the soil before planting.

Plant	Dosage Soil Application (kg/da)
Hard and Pome Fruit Trees (According to Age)	1-4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Edible Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Areas	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grapes (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1.4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 12-22-0

NP SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

It is a special NP organomineral base fertilizer containing nitrogen, phosphorus and zinc, enriched with organic matter.

Thanks to the high organic matter in its structure, it contributes significantly to the fertility of the soil and the availability of nutrients in areas poor in organic matter. The nitrogen (N), phosphorus (P2O5) and sulfur (SO3) it contains are in a form that can be easily absorbed by plants. It helps to obtain high efficiency and quality products in all field crops, fruits and vegetables.

High efficiency and quality product
Wheat high in protein and gluten
Fruits and vegetables rich in vitamins
High oil content in oil crops
Disease and pest resistance
Cold and drought resistance
Increased soil fertility
Improved nutritional intake

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	9%
Urea Nitrogen (N)	3%
Total Phosphorus Penta Oxide (P2O5)	22%
Water Soluble Phosphorus Pentaoxide (P2O5)	20%
Total Sulfur Trioxide (SO3)	15%
Water Soluble Sulfur Trioxide (SO3)	0.1%
Total Zinc (Zn)	0.2%
Total (Humic+Fulvic) Acid	6%
Max. Chlorine (Cl)	0.3%
Max. Moisture	20
pH	5.5 - 7.5.

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon P25

NP SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

UniCarbon P25-10.25.0+Zn

It helps to enrich the soil in terms of basic nutrients by meeting its nitrogen and phosphorus needs. It contributes to better rooting of the plant thanks to the phosphorus and zinc it contains. It increases tillering in cereals. It helps the rapid development of the product. It helps to obtain abundant crops by ensuring that the grains of the ear are larger and fuller. The sulfur it contains helps accelerate the uptake of macro and micro elements by balancing the soil pH. It is active in wheat, corn, cotton and grain agriculture.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	10%
Total Phosphorus Penta Oxide (P2O5)	25%
Water Soluble Phosphorus Pentaoxide (P2O5)	21%
Total Sulfur Trioxide (SO3)	15%
Water Soluble Sulfur Trioxide (SO3)	0.1%
Total Zinc (Zn)	0.1%
Total (Humic+Fulvic) Acid	6%
Max. Chlorine (Cl)	0.5%
Max. Moisture	20
pH	5-7

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 8-8-0

NP SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

UniCarbon 8-8-0 as a new generation organomineral fertilizer:

It enriches the soil with the organic matter it contains,
Helps water retention and permeability,
It protects your plant from stress with the humic and fulvic acids it contains,
It contributes to the development of roots and other organs.
Additionally, this product facilitates and increases the intake of macro and micronutrients. With balanced amounts of nitrogen and phosphorus, it can be labeled as flower or flower enhancer. Phosphorus is necessary for seeds to germinate and young plants to develop good root growth. This formulation is recommended for grains and vegetables with high phosphorus needs. In addition; It stimulates tillering and accelerates maturation. The nitrogen it contains stimulates green leaf growth and supports fruit and seed development. In addition, the sulfur it contains regulates soil pH so that your plant's roots can receive all the nutrients it needs to survive.

UniCarbon 8-8-0 prevents nutrient lock-in and makes the soil suitable for vegetative propagation.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	20%
Total Nitrogen (N)	8%
Ammonium Nitrogen (N)	8%
Total Phosphorus Penta Oxide (P2O5)	8%
Water Soluble Phosphorus Pentaoxide (P2O5)	7%
Total (Humic+Fulvic) Acid	7%
Max. Chlorine (Cl)	0.2
Max. Moisture	20
pH	6-8

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1-4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1.4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 10-15-10

WATER SOLUBLE HIGH RATES OF PHOSPHORSUS AND ORGANIC POTASSIUM - SOLID ORGANOMINERAL FERTILIZER WITH NPK

UniCarbon 10-15-10 Compound Organomineral Fertilizer provides the macronutrients needed by plants; Nitrogen N, Phosphorus P, Potassium K and micro elements; It is designed to achieve maximum efficiency in granular fertilizer applications, meeting iron Fe, Zinc Zn, Boron B, together with humic and fulfic acid, which meet the organic matter needs of the soil. UniCarbon 10-15-10 meets the NPK required by fruits, vineyards, olives, vegetables, field crops, lawn and landscape plants throughout the year. The trace elements it contains create a suitable chemical balance, high-quality nutrition and strong plant tissue.

UniCarbon 10-15-10 is an ideal organomineral fertilizer containing high levels of N P K and natural humus. Humic and fulvic acids in the structure of humus in its organic matter content contribute positively to the soil structure and facilitate the uptake of plant nutritional elements, ensuring balanced nutrition of the plant throughout the entire growing period.

The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; phosphorus supports energy transfer throughout the plant for root development and flowering; Potassium is essential for photosynthesis and regulates many metabolic processes necessary for growth and fruit and seed development. In addition, the sulfur it contains regulates soil pH so that your plant's roots can receive all the nutrients it needs to survive. The iron it contains is effective in the formation of chlorophyll, zinc is involved in many enzyme activities, and boron is necessary for healthy flowers and fertilization.

1 - 5 - 10 - 20 - 25 - 50 KG
Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	5.5%
Urea Nitrogen (N)	4.5%
Total Phosphorus Penta Oxide (P2O5)	15%
Water Soluble Phosphorus Pentaoxide (P2O5)	13%
Water Soluble Potassium Oxide (K2O)	10%
Total Sulfur Trioxide (SO3)	15%
Water Soluble Sulfur Trioxide (SO3)	15%
Water Soluble Boron (B)	0.02%
Total Iron (Fe)	0.5%
Total Zinc (Zn)	0.02%
Total (Humic+Fulvic) Acid	10%
Max. Chlorine (Cl)	0.5%
Max. Moisture	20
pH	6-8

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 11-11-11

SOLID ORGANOMINERAL FERTILIZER WITH NPK - EC FERTILIZER

UniCarbon 11-11-11 Composite Organomineral Fertilizer, macro nutrients needed by plants; It is designed to achieve maximum efficiency in granular fertilizer applications, containing nitrogen N, phosphorus P, potassium K and micro elements zinc Zn, meeting the organic matter need of the soil together with humic and fulfic acid. UniCarbon 11-11-11 meets the NPK required by fruits, vineyards, olives, vegetables and field crops throughout the year.

UniCarbon 11.11.11 is an ideal organomineral fertilizer containing high levels of N P K and natural humus. Humic and fulvic acids in the structure of humus in its organic matter content contribute positively to the soil structure and facilitate the uptake of plant nutrients, ensuring balanced nutrition of the plant throughout the growing period.

The nitrogen it contains stimulates green leaf growth and supports fruit and seed development; Phosphorus supports energy transfer throughout the plant for root development and flowering; Potassium is essential for photosynthesis, regulating many metabolic processes necessary for growth, fruit and seed development. In addition, the sulfur it contains regulates soil pH, so your plant can get all the nutrients it needs to survive. Zinc takes part in many enzyme activities.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	11%
Ammonium Nitrogen (N)	4%
Urea Nitrogen (N)	7%
Total Phosphorus Penta Oxide (P205)	11%
Water Soluble Phosphorus Pentaoxide (P205)	9.5%
Total Sulfur Trioxide (SO3)	11%
Water Soluble Sulfur Trioxide (SO3)	5%
Total Zinc (Zn)	0.1%
Total (Humic+Fulvic) Acid	8%
Max. Chlorine (Cl)	0.5%
Max. Moisture	20
pH	5.5 - 7.5

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / Plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 15-15-15

SOLID ORGANOMINERAL FERTILIZER WITH NPK- EC FERTILIZER

UniCarbon 15-15-15 as a new generation organomineral fertilizer:

It enriches the soil with the organic matter it contains,
Helps water retention and permeability,
It protects your plant from stress with the humic and fulvic acids it contains,
It contributes to the development of roots and other organs.
Additionally, this product facilitates and increases the intake of macro and micronutrients.

UniCarbon 15-15-15 prevents nutrient lock-in and makes the soil suitable for vegetative propagation.
UniCarbon 15-15-15, which contains balanced nitrogen, phosphorus and potassium and whose effectiveness is increased with organic material, provides effective nutrition in vegetable, fruit trees, corn, cotton, sunflower and paddy agriculture.

1 - 5 - 10 - 20 - 25 - 50 KG
Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	5.5%
Urea Nitrogen (N)	9.5%
Total Phosphorus Penta Oxide (P2O5)	15%
Water Soluble Phosphorus Pentaoxide (P2O5)	13%
Water Soluble Potassium Oxide (P2O5)	15%
Total (Humic+Fulvic) Acid	10%
Max. Chlorine (Cl)	10
Max. Moisture	20
pH	6-8

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 5-0-20

SOLID ORGANOMINERAL FERTILIZER WITH NK - EC FERTILIZER

It is an organomineral formulation containing high amounts of Potassium and the Nitrogen that supports it.
It is a fertilizer that provides results for fruit size and quality, especially for fruit, olives and vineyards. It can be used in all other plants during the period when potassium need is high.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	5%
Urea Nitrogen (N)	5%
Water Soluble Potassium Oxide (K2O)	20%
Total (Humic+Fulvic) Acid	5%
Max. Chlorine (Cl)	0.5
Max. Moisture	20
pH	5.5 - 7.5

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	0.5 - 1.5 kg / tree
In All Greenhouse Vegetables	20-25
Outdoor Vegetables and Leafy Winter Vegetables	15-20
In All Industrial Plants	15-20
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	20-25
Grape (Vineyard)	25-30
Potatoes	25-30
Banana	80-100
Hazelnut	0.5 - 1 kg / plot

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Round Combi

SECONDARY AND TRACE ELEMENT ADDED SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

It is a perfect composition in organomineral structure, containing both microelements and organic matter. It contains; It is a powerful plant nutrient source with 15% OM + 5% Magnesium (Mg) + 5% Zinc (Zn) + 4% Iron (Fe) + 1% Boron (B).
Microelements are among the absolutely essential nutritional elements needed by the plant for healthy and abundant productivity. For plants, these nutritional elements are at least as important as macro elements (Nitrogen, Phosphorus, Potassium, etc.). Their deficiencies in plants cause serious yield losses, and their absence causes plant death. The availability of microelements is most affected especially by changes in soil pH. The organic substances it contains improve the soil pH and support the transport of elements to the plant.
It supports growth and development by providing balanced nutrition to the plant with the zinc, iron, boron and magnesium elements in its composition. Increases plant height, number of branches and leaf area. It encourages abundant flowering, grain setting and fruit set. It minimizes fruit drop. With these features, it significantly increases efficiency and quality.
It prevents yellowing in plants and increases product quality.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Magnesium Oxide (MgO)	5%
Water Soluble Boron (B)	1%
Total Iron (Fe)	4%
Total Zinc (ZN)	5%
Total (Humic+Fulvic) Acid	10%
Max. Chlorine (Cl)	0.5
Max. Moisture	20
pH	6-8

Areas of Use and Dosage: It is applied to the soil before planting.

Plant		Dosage Soil application (kg/da)
Hard and Pome Fruit Trees (According to Age)	With Base Fertilizer After Budding	10-15 200-250 gr /tree
In Greenhouses	With Base Fertilizer	15-20
In Outdoor Vegetables	With Base Fertilizer	10-15
In the Vineyards	With Base Fertilizer When Deficiency Is Seen	10-15 150 - 200 gr / omca
Potato, Banana	With Base Fertilizer	15-20

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 10-10-10

SOLID ORGANOMINERAL FERTILIZER WITH NPK CONTAINING GROUND SOFT PHOSPHATE ROCK - EC FERTILIZER

10-10-10 fertilizer, which contains high amounts of Leonardite-derived organic matter and Humic+Fulvic acid in its structure, increases the fertility of the soil and ensures high and quality products.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	2%
Urea Nitrogen (N)	8%
Total Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Phosphorus Pentaoxide (P2O5)	5%
Water Soluble Potassium Oxide (P2O5)	10%
Total (Humic+Fulvic) Acid	6%
Max. Chlorine (Cl)	9
Max. Moisture	20
pH	6-8

Areas of Use and Dosage: It is applied to the soil before planting.

Plant	Dosages Soil application (kg/da)
Hard and Pome Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Edible Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Areas	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grapes (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon 6-16-6

SOLID ORGANOMINERAL FERTILIZER WITH NPK CONTAINING GROUND SOFT PHOSPHATE ROCK - EC FERTILIZER

Thanks to the elements it contains, it meets the plant's basic nutritional needs. It prevents the formation of the soil layer by minimizing it. It increases the amount of organic matter in the soil. With its natural chelating feature, thanks to the humic and fulvic acid it contains, it dissolves the nutrients bound in the soil and brings them to the plant. It prevents the formation of salinity in the soil as it breaks down the lime dissolved in water and turns it into calcium. It helps to obtain high tonnage and quality products.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	6%
Ammonium Nitrogen (N)	6%
Total Phosphorus Penta Oxide (P2O5)	16%
Water Soluble Phosphorus Pentaoxide (P2O5)	6%
Water Soluble Potassium Oxide (K2O)	6%
Total (Humic+Fulvic) Acid	6%
Max. Chlorine (Cl)	6
Max. Moisture	20
pH	6-8

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon P21 8-21-0

NP SOLID ORGANOMINERAL FERTILIZER CONTAINING GROUND SOFT PHOSPHATE ROCK - EC FERTILIZER

UniCarbon P21 8-21-0 as a new generation fertilizer:

It enriches the soil with the organic matter in its structure,
Helps water retention and permeability,
It protects your plant from stress with the humic and fulvic acids it contains and contributes to the development of roots and other organs.
Additionally, this product facilitates and increases the intake of macro and micronutrients. The sulfur it contains regulates soil pH so that your plant can receive all the nutrients it needs to survive. UniCarbon P21 prevents nutrient lock-in and makes the soil suitable for crop production.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	15%
Total Nitrogen (N)	8%
Ammonium Nitrogen (N)	4%
Urea Nitrogen (N)	4%
Total Phosphorus Penta Oxide (P2O5)	21%
Water Soluble Phosphorus Pentaoxide (P2O5)	9%
Total (Humic+Fulvic) Acid	5%
Max. Chlorine (Cl)	0.5
Max. Moisture	20
pH	6-8

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1 - 4 kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 kg / plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon N20

NITROGENOUS SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

It is a high quality, organomineral base and top fertilizer containing urea nitrogen blended with organic matter, which can be used in all cultivated plants, and contains 20% organic matter in its structure. Thanks to the sulfur it contains, it balances the pH and facilitates the absorption of other fertilizers. It contributes to increasing the amount of organic matter in the soil.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Organic Matter	20%
Total Nitrogen (N)	20%
Urea Nitrogen (N)	20%
Total Sulfur Trioxide (SO_3)	15%
Water Soluble Sulfur Trioxide (SO_3)	0.1%
Total (Humic+Fulvic) Acid	10%
Max. Chlorine (Cl)	0.5
Max. Moisture	20
pH	6-8

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Wheat, Barley, Sunflower, Soybean, Peanut	30-40
Corn, Cotton	40-60
Open Field Vegetables	40-60
Greenhouse Vegetables	50-70
Hard and Soft Core Fruit Trees (According to Age)	1-4 kg / tree
Watermelon, Sugar Beet, Grape (Vineyard)	40-60
Strawberry (All Season)	50-60
Carrot, Radish, Onion, Artichoke	20-40
Potatoes	40-50
Banana	50-70

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniCarbon N30

NITROGENOUS SOLID ORGANOMINERAL FERTILIZER - EC FERTILIZER

It is a high quality organomineral base and top fertilizer containing urea nitrogen blended with organic matter and containing 20% organic matter in its structure. Thanks to the sulfur it contains, it balances the pH and makes it easier to absorb other fertilizers. It contributes to increasing the amount of organic matter in the soil. It is a base and top organomineral fertilizer that can be used in all cultivated plants.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

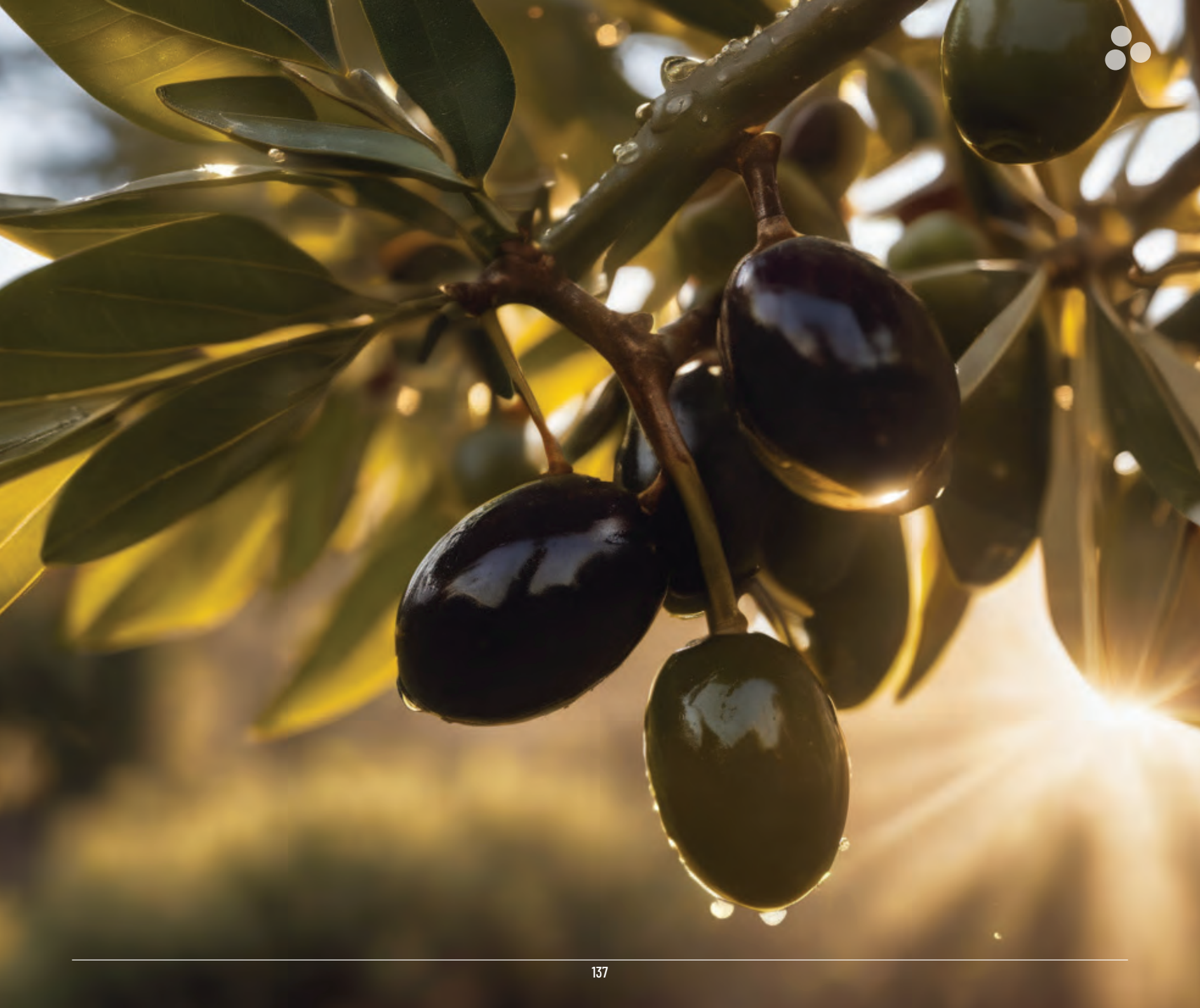
Guaranteed Content (%w/w)

Organic Matter	20%
Total Nitrogen (N)	30%
Urea Nitrogen (N)	30%
Total (Humic+Fulvic) Acid	10%
Max. Chlorine (Cl)	0.5
Max. Moisture	20
pH	6.5 - 8.5

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Wheat, Barley, Sunflower, Soybean, Peanut	30-40
Corn, Cotton	40-60
Open Field Vegetables	40-60
Greenhouse Vegetables	50-70
Hard and Soft Core Fruit Trees (According to Age)	1-4 kg / tree
Watermelon, Sugar Beet, Grape (Vineyard)	40-60
Strawberry (All Season)	50-60
Carrot, Radish, Onion, Artichoke	20-40
Potatoes	40-50
Banana	50-70

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.



Slow Release Granular Fertilizers

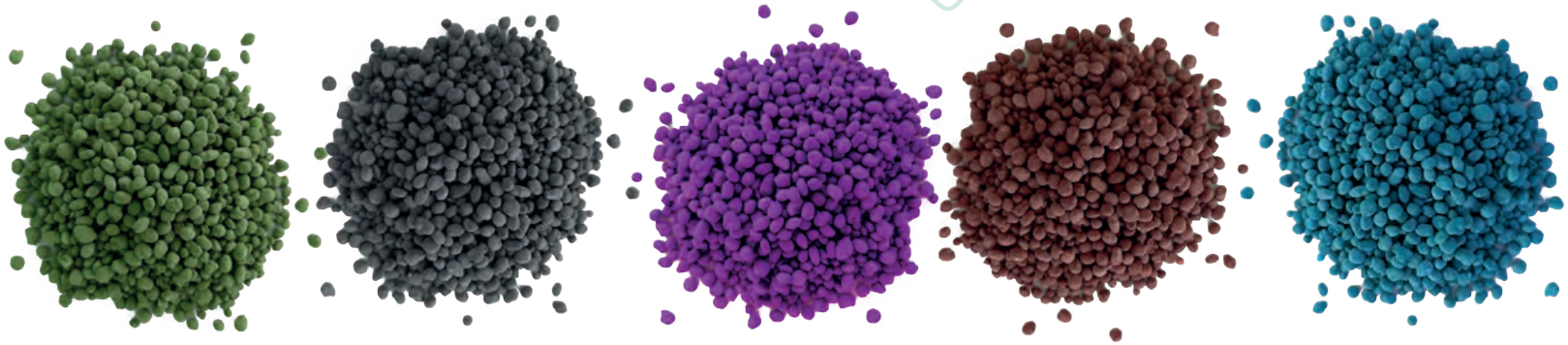
SLOW / LONG RELEASE FERTILIZER SERIES

TECHNICAL INFORMATION

In very rainy and excessively irrigated regions where mineral fertilizers, especially nitrogenous fertilizers, are used, nitrate nitrogen leaching occurs in the soil due to the light texture (sandy-loam) of the soil. In addition, nitrogen loss occurs as nitrogenous fertilizers in the form of ammonium (NH_4) are converted into nitrogen gases in the process of being converted into nitrate (NO_3) by the action of microorganisms in the soil. A similar situation is seen in urea fertilizer. While nitrogen is converted by bacteria into Ammonium (NH_4) form, which plants can absorb, nitrogen loss occurs in the form of ammonia (NH_3) gas. Although there is no leaching loss of other elements such as phosphorus and potash, these plant nutrients become substances that are difficult to absorb by being bound (fixed) by lime and clay minerals in the soil. In order to prevent these losses and difficulties, slow-release fertilizers can be produced by various methods.

Slow-release fertilizers are fertilizers that contain nutrients that dissolve slowly in water or release slowly. Slow-release fertilizers deliver nutrients to plants gradually over time. The rate of nutrient release depends on bacterial activity in the soil, which in turn varies with soil temperature and moisture.
Generally, nutrients in slow-release fertilizers remain available in the soil for 6 to 8 weeks.
Slow-release fertilizers are a type of fertilizer that is accepted and recommended all over the world. Slow release fertilizers are fertilizers with colored granule formulations.

Benefits:
Long-term and effective feeding with slow release feature.
It provides resistance against diseases with continuous and balanced nutrition.
N.P.K washing and bonding losses are minimal.
It reduces fertilization costs by reducing the number and amount of application.
Promotes effective feeding.
With the nitrogen inhibitor production technology used in slow-release fertilizer production, it is aimed for the plant to benefit from the fertilizer to the maximum extent.



Unislow Slow Release Fertilizer Types

UniSlow Slow Release Fertilizers, which use different nitrogen inhibitors to provide maximum effect according to the nitrogen form, process the conversion of urea to ammonium nitrogen and ammonium nitrogen to nitrate nitrogen; It minimizes nitrogen losses by delaying it for 6 to 10 weeks, depending on soil temperature and nitrogen bacterial activity in the soil. Thus, it is ensured that the plant benefits from the given nitrogen at the maximum level.

This is of great importance both in terms of reducing input costs in agricultural production and protecting the natural environment. Moreover; One of the key benefits of this product range is their safety, with a lower risk of burns to plants.

In short, UniSlow Slow Release Fertilizers: Reduces fertilizer costs by reducing the number and amount of application. It delays nitrification and reduces nitrate accumulation in the plant. Thus, the nutritional quality of fruits, vegetables and grains is improved and their storage life is extended. With a balanced ammonium source (NH4+), it reduces the pH in the root zone to ideal levels, and thanks to the nitrogen inhibitor, this ideal level is maintained for a long time. Thus, the uptake of phosphorus and microelements bound in the soil by plants increases. It encourages feeding. Significant energy savings are achieved compared to the use of Nitrate (NO3-) in the plant. With this extra energy, flowering and yield increase is achieved by stimulating the synthesis of phytohormones and polyamines. Depending on the macro and micronutrient requirements of your products, this product line offers a variety of formulation options.

Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Total Phosphorus (P2O5)	Water Soluble Phosphorus (P2O5)	Total Potassium (K2O)	Total Sulfur (SO3)	Magnesium (MgO)	Zinc (Zn)	Iron (Fe)	Boron (B)	Nitrogen Inhibitor
UNISLOW 12-32-0+15 SO3	15	15	15	20	15	15	15	15	15	15	15	20
UNISLOW 20-10-10+10 SO3	5	6	6	7	10	8	10	5	10	6	6	10
UNISLOW 13-16-8+15 SO3+2 MgO+TE	8	12	10	8	10	11	15	5	-	10	6	20
UNISLOW 12-12-17+15 SO3+2 MgO+TE	8	9	10	8	5,5	4	5,5	-	-	2	6	-
UNISLOW N46 46-0-0	-	9	-	-	4,5	7	9,5	5	-	8	-	20
UNISLOW N21 21-0-0	21	22	25	8	15	11	15	-	-	10	16	-

UniSlow 12-32-0+15SO3

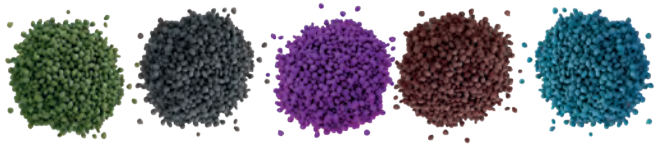
DICYANDIAMIDE INHIBITOR (DCD) - EC FERTILIZER

Compound Fertilizer with Ammonium DCD Inhibitor, rich content of nitrogen, phosphorus and sulfur minerals, providing effective and safe use.
It is an underground fertilizer that provides excellent root and flower formation with its 12% Ammonium Nitrogen and 32% high Phosphorus content.
You can use the formulation containing slow and regular release Nitrogen, Phosphorus and Sulfur, especially in the fertilization of Wheat, Barley, Corn, Potato, Artichoke and plants that need high phosphorus.

When nitrogen applied to the soil through fertilization is given before the plant can use it; It is washed away and lost in gaseous form. When nitrogen dissolves rapidly in the soil with temperature and humidity; The part that is not used by plants is washed away from the soil with rainfall or irrigation water, especially in the form of nitrate. In gaseous form, loss in the form of ammonia gas occurs during the breakdown of ammonium nitrogen into nitrite and nitrate.

UniSlow 12.32.0 minimizes nitrogen loss by extending the nitrification process thanks to its improved ammonium inhibitor DCD nitrogen technology. The usage period of nitrogen is extended to 6-10 weeks due to the effect of the inhibitor. Thus, productivity and quality are positively affected by more effective feeding. Ammonium nitrogen, which remains around the fertilizer granule for a longer period of time, instantly lowers the pH in the plant root area and is found in the soil and fertilizer formulation; It prepares the environment for the transition of phosphorus to thrust.

It prevents pollution caused by nitrate accumulation with its environmentally friendly technology. It prevents nitrate accumulation in the plant and minimizes the risk of burning. It does not harm beneficial bacteria. It reduces costs by reducing the number of applications in fertilization.
It gives effective results especially in grapes, olives, hazelnuts, pistachios, landscaping and grass growing. It is also suitable for use on other fruit, garden and field plants.



1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N-NH4)	12%
Dicyandiamide (DCD)	0.39%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	32%
Water Soluble Phosphorus Penta Oxide (P2O5)	28%
Total Sulfur Trioxide (SO3)	15%

Usage Areas and Dosage: It is used in every period as needed.

Plant	Dosage soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1-4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / Plot

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniSlow 20-10-10+10SO3

DICYANDIAMIDE INHIBITOR (DCD) - EC FERTILIZER

Unislow 20-10-10 is a slow-release starter base NPK fertilizer in granular form containing Nitrogen (stabilized Ammonium and Urea), Phosphorus, Potassium and Sulfur in absorbable form.
Localization of Urea Nitrogen and stabilized Ammonium Nitrogen allows plants to meet their nitrogen needs for a large period of time throughout the vegetative cycle.

With its high nitrogen, balanced phosphorus and potassium ratio and the sulfur it contains, it provides healthy root and stem development, homogeneous flower and quality fruit formation in the advanced stages. In calcareous (alkaline) soils, it lowers the high pH value of the soil to suitable values for plant growth, thanks to the sulfur it contains and the slow release feature and ammonium remaining in the root zone for a longer time.

It can be used in all plant production, especially hazelnut, olive, vineyard and vegetable farming. It is the ideal formulation for edible vegetables, landscaping and lawn areas.

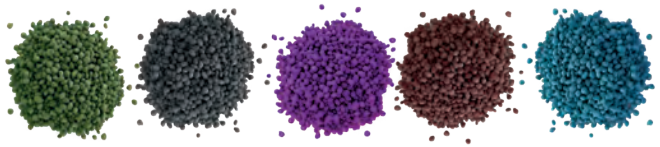
1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N-NH4)	3.5%
Urea Nitrogen	16.5%
Dicyandiamide (DCD)	0.48%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Potassium Oxide (K2O)	10%
Water Soluble Sulfur Trioxide (K2O)	10%

Areas of Use and Dosage: It is used in every period as needed.

Plant	Dosage
	Soil application (kg/da)
Hard and Pome Fruit Trees (According to Age)	1-4 Kg / Tree
In Cut Flowers	40-50
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Edible Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Areas	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grapes (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / Plot



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniSlow 13-16-8+2MgO+15SO3+TE

DICYANDIAMIDE INHIBITOR (DCD) - EC FERTILIZER

Unislow 13.16.8 is a slow-release starter base NPK fertilizer in granular form, containing nitrogen (stabilized Ammonium and Urea), Phosphorus, Potassium, Sulfur, Magnesium, which is insufficient in our soil, and high content Iron (4 Fe), in available form. It is a granulated slow-release soil fertilizer formulation rich in macro and micro elements formulated for various growth periods of plants.

Thanks to the advanced technology nitrogen inhibitor DCD chelate, the Ammonium Nitrogen it contains becomes stable in the soil. It slowly turns into Nitrate Nitrogen and is completely absorbed by the plant without being subjected to washing or evaporation.

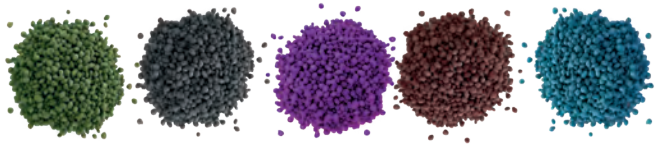
Unislow 13.16.8, with its strong nutrient content, encourages fast and effective root development without increasing soil salinity. Since it is slow-release, its leaching from the soil is very low. The ideal pH value of the formulation is the sulfur it contains and the Ammonium that stays around the fertilizer granule for a longer period of time, instantly lowering the pH in the plant root area and other elements bound in the soil and in the fertilizer; It ensures the passage of phosphorus to the plant. DCD inhibitor minimizes the gasification and washing of nitrogen. The high concentration of 4% Iron and Magnesium in its content allows darker green coloration in the leaves, increases photosynthesis, and therefore increases the yield and quality of the products. Depending on its granule form, it can be used in deep soils or in band applications and can be absorbed by the roots at any time. It improves the physical structure of the plant and provides higher yield.

Make sure your autumn fertilizer contains nitrogen and plenty of potassium. Potassium strengthens the cell wall of your plants and increases the salt content in plant cells, lowering the freezing point of cell sap and reducing the risk of your plants being damaged by frost. It gives effective results especially in grapes, olives, hazelnuts, pistachios, landscaping and grass growing. It is also suitable for use on other fruit, garden and field plants.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	13%
Ammonium Nitrogen (N-NH4)	6%
Urea Nitrogen	7%
Dicyandiamide (DCD)	0.42%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	16%
Water Soluble Phosphorus Penta Oxide (P2O5)	14%
Water Soluble Potassium Oxide (K2O)	8%
Total Magnesium Oxide (MgO)	2%
Total Sulfur Trioxide (SO3)	15%
Total Iron (Fe)	4%



Areas of Use and Dosage: It is used in every period as needed.

Plant	Dosage Soil application (kg/da)
Hard and Pome Fruit Trees (According to Age)	1-4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Edible Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Areas	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grapes (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / Plot

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniSlow 12-12-17+2MGO+15SO3+TE

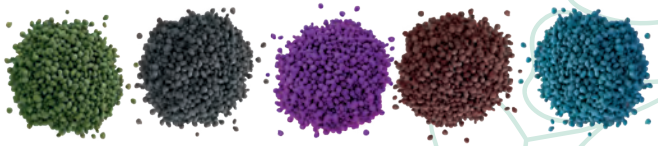
DICYANDIAMIDE INHIBITOR (DCD) - EC FERTILIZER

Unislow 12-12-17 is a slow-release starter base fertilizer in granular form containing Nitrogen, Phosphorus, Potassium, Sulfur, Magnesium, Boron and Zinc in absorbable form. Thanks to the advanced technology nitrogen inhibitor DCD chelate, the Ammonium Nitrogen it contains becomes stable in the soil. It slowly turns into Nitrate Nitrogen and is completely absorbed by the plant without being subjected to washing or evaporation.

Unislow 12-12-17, with its strong nutrient content, encourages fast and effective root development without increasing soil salinity. Since it is slow-release, its leaching from the soil is very low. The DCD inhibitor used in its formulation with its ideal pH value and sulfur content minimizes the gasification and washing of nitrogen. It prevents the phosphorus element from binding.

It is a granulated slow-release soil fertilizer formulation rich in macro and micro elements formulated for various growth periods of plants. Depending on its granule form, it can be used in deep soils or in band applications and can be absorbed by the roots at any time.

It improves the physical structure of the plant and provides higher yield. Make sure your autumn fertilizer contains nitrogen and plenty of potassium. Potassium strengthens the cell wall of your plants and increases the salt content in plant cells, lowering the freezing point of cell sap and reducing the risk of your plants being damaged by frost.



1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N-NH4)	4.8%
Urea Nitrogen (N-NH2)	7.2%
Dicyandiamide (DCD)	0.40%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	12%
Water Soluble Phosphorus Penta Oxide (P205)	11%
Water Soluble Potassium Oxide (K20)	17%
Total Magnesium Oxide (MGO)	2%
Total Sulfur Trioxide (SO3)	15%
Water Soluble Boron (B)	0.01%
Total Zinc (ZN)	0.5%

Areas of Use and Dosage: It is used in every period as needed.

Plant	Dosage
	Soil application (kg/da)
Hard and Pome Fruit Trees (According to Age)	1-4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Edible Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grapes (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / Plot

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniSlow N46

N- (n-butyl) thiophosphorictriamide INHIBITOR (NBPT) - EC FERTILIZER

UniSlow-46, which contains a urease inhibitor (NBPT), prevents gaseous ammonia (NH3) losses by delaying the hydrolysis of UREA and slowing down its conversion to ammonium (NH4+) nitrogen. By slowing down the conversion to ammonium, nitrification, that is, the process of breaking down ammonium into nitrate by bacteria, will be prolonged, thus nitrate leaching will also be prolonged. will be less. It can continue its effectiveness in the soil for up to 2 -4 weeks even when there is not enough rainfall.

Thus, it is ensured that plants benefit from the given nitrogen at the maximum level. UniSlow N46 reduces fertilizer costs by reducing the number and amount of application of nitrogenous fertilizer. UniSlow 46 in short, . It delays nitrification and reduces nitrate accumulation in the plant. Thus, the nutritional quality of fruits, vegetables and grains is improved and their storage life is extended. With a balanced ammonium source (NH4+), it brings the pH in the root zone to ideal levels, and thanks to the NBPT inhibitor, this ideal level is maintained for a long time. Thus, the uptake of phosphorus and microelements bound in the soil by plants increases.

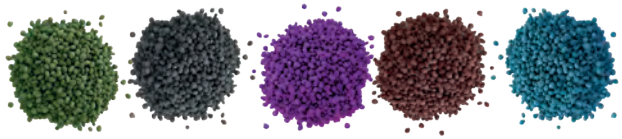
1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Urea Nitrogen (N)	46%
N-(n-butyl)thiophosphorictriamide (NBPT)	0.06%

Areas of Use and Dosage: It is used in every period as needed.

Plant	Dosage	Method of Application
	Soil application (kg/da)	
Cut Flowering	15-20	3 recurrence
Hard and Soft Core Fruit Trees (According to Age)	15-20	2 recurrence or 0.05 - 1 Kg / Tree
In All Greenhouse Vegetables	20-25	3 recurrence
Outdoor Vegetables and Leafy Winter Vegetables	15-20	3 recurrence
In All Industrial Plants	20-25	2 recurrence
In All Grains and Green Fields	20-30	2 recurrence
Watermelon, Melon, Carrot, Radish, Strawberry	20-25	2 recurrence
Grape (Vineyard)	15-20	2 recurrence or 100-150 gr / Omca
Potatoes	15-20	2 recurrence
Banana	15-20	2 recurrence or 0.05 - 1 Kg / Tree
Hazelnut	15-20	2 recurrence or 0.05 - 1 Kg / Tree



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UniSlow N21

AMMONIUM SULFATE NITRIFICATION INHIBITOR [DCYANDIAMIDE (DCD)] EC FERTILIZER

UniSlow 21 is designed to increase fertilizer efficiency and reduce leaching and runoff. Thanks to the nitrogen inhibitor it contains; It minimizes nitrogen losses by delaying the conversion of ammonium nitrogen (NH4+) to nitrate nitrogen (N03-) for 6 to 10 weeks, depending on your soil temperature. Thus, more nitrogen becomes available for your product, providing maximum benefit while minimizing the environmental impact.

The plant, which is fed with the ammonium form of nitrogen for a longer period of time, instantly lowers the pH in the root area (Ph around the granule remains below 7), creating an environment that facilitates the uptake of other nutrients. Losses caused by washing with rain and irrigation water are minimal in Unislow N21.

It is a slow-release, 100% water-soluble ammonium nitrogen in crystal form with DCD inhibitor that can be applied with sprinkler and drip irrigation systems in all plant patterns. Apart from 21% ammonium nitrogen, it also contains sulfur. It regulates soil pH values due to ammonium nitrogen and available sulfur.

It can be used in all fruit and vegetable farming, especially citrus fruits and those that require ammonium nitrogen.
When used with drip irrigation systems; It should be applied at 3-5 kg/da depending on the plant type and development status.

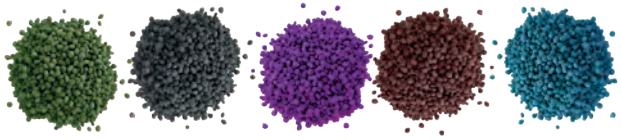
1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Ammonium Nitrogen (N)	21%
Dicyandiamide (DCD)	0.51%

Areas of Use and Dosage: It is used in every period as needed.

Plant	Dosage Soil application (kg/da)	Method of Application
Paddy	20-30	2 recurrence
Cut Flowering	15-20	3 recurrence
Hard and Soft Core Fruit Trees (According to Age)	15-20	2 recurrence or 0.05 - 1 Kg / Tree
In All Greenhouse Vegetables	20-25	3 recurrence
Outdoor Vegetables and Leafy Winter Vegetables	15-20	3 recurrence
In All Industrial Plants	20-25	2 recurrence
In All Grains and Green Fields	20-30	2 recurrence
Watermelon, Melon, Carrot, Radish, Strawberry	20-25	2 recurrence
Grape (Vineyard)	15-20	2 recurrence or 100-150 gr / Omca
Potatoes	15-20	2 recurrence
Banana	15-20	2 recurrence or 0.05 - 1 Kg / Tree
Hazelnut	15-20	2 recurrence or 0.05 - 1 Kg / Tree



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

GRANÜL GÜBRE SERİSİ

GRANULAR FERTILIZERS

They are produced in a wide variety of formulations to meet the base fertilizer needs that may arise depending on the product to be grown, estimated yield and soil-plant analysis to be performed.

KEYSTART PLUS

Unikey TSP 44 TRIPLE SUPERPHOSPHATE

Uni Professional P25 5-25-0

Uni Professional P21 8-21-0

Uni Professional 12-30-12+(12SO3)+TE

Uni Professional 10-20-20+(20 SO3)

Uni Professional 20-10-10+ (10 SO3) +TE

Uni Professional 25-5-10

Round Granular 15-15-15+15SO3+Zn

Unikey Round Granular 15-15-15+15SO3

Unikey Round Granular 12-12-17+17 SO3

Unikey Potash 50 POTASSIUM SULFATE

Round Granular K-25 5-0-25+5MGO+15SO3

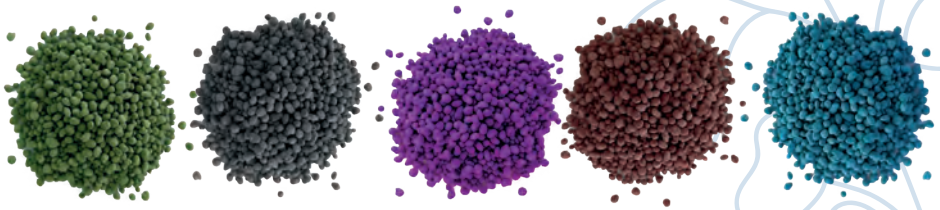
Uni Professional K-30 5-0-30

Uni Professional N33 Urea Ammonium Sulfate

Uni Professional N30 Urea Ammonium Sulfate

Key Granulated Urea

Key AS 21 Ammonium Sulfate



Product Name	Total Nitrogen (N)	Urea (NH2-N)	Ammonium (NH4-N)	Total Phosphorus (P205)	Water-Soluble Phosphorus (P205)	Total Potassium (K20)	Total Sulfur (S03)	Magnesium (MgO)	Zinc (Zn)	Iron (Fe)	Manganese (Mn)
KEY START PLUS (Micro Granule) 12-44-0+5 S03+2 MgO+TE	12	-	12	44	40	-	5	2	1	0,30	0,30
UNIKEY TSP 44 0-44-0	-	-	-	44	40	-	-	-	-	-	-
UNI PROFESSIONAL P 25 5-25-0	5	5	-	25	17	-	-	-	-	-	-
Uni Professional P21 8-21-0	-	-	-	-	-	-	-	-	-	-	-
UNI PROFESSIONAL 12-30-12+12 S03+0,5 Zn	12	-	12	30	28	12	12	-	0,5	-	-
UNI PROFESSIONAL 10-20-20+20 S03	10	2,5	7,5	20	17	20	20	-	-	-	-
UNI PROFESSIONAL 20-10-10+10 S03+TE	20	16,5	3,5	10	9	10	10	-	0,05	0,5	-
UNI PROFESSIONAL 25-5-10	25	23	2	5	4,5	10	-	-	-	0,05	-
ROUND GRANULAR 15-15-15+15 S03+Zn	15	9,5	5,5	15	14	15	15	-	0,50	-	-
ROUND GRANULAR 15-15-15+15 S03	15	10	5	15	13	15	15	-	-	-	-
ROUND GRANULAR 12-12-17+17 S03	12	9,5	2,5	12	10	17	17	-	-	-	-
UNIKEY POTAS 50 0-0-50	-	-	-	-	-	-	-	-	-	-	-
ROUND GRANULAR K 25 5-0-25+15 S03+5 MgO	5	5	-	-	-	15	15	5	-	-	-
UNI PROFESSIONAL K 30 5-0-30	5	5	-	-	-	-	-	-	-	-	-
UNI PROFESSIONAL N 33 Urea Ammonium Sulfate-Water Soluble	33	24	9	-	-	15	15	-	-	-	-
UNI PROFESSIONAL N 30 Urea Ammonium Sulfate-Water Soluble	30	26	4	-	-	15	15	-	-	-	-
Key Granulated Urea	30	26	4	-	-	-	15	-	-	-	-
Key AS 21 Ammonium Sulfate	-	-	-	-	-	-	-	-	-	-	-

KEYSTART Plus

12-44-0 + 1.5 MGO + 1 ZN + 0.3 MN + 0.3 FE + 5 SO3

SEED GERMINATION AND FAST ROOT DEVELOPMENT - MICRO GRANULE

1-5-10-25 KG

Phosphorus is immobile in the soil and is bound to various factors, making it difficult for it to pass into the plant. If it cannot be transported to the root rhizosphere, the plant cannot benefit from phosphorus and its development will be poor.

Keystart Plus is a special micro-granular subsoil fertilizer formulation formulated for the initial period of field crops, rich in nitrogen, magnesium, zinc, iron, manganese and sulfur as well as phosphorus. It encourages seed emergence and the initial development of plant roots with the help of very small grains applied on the row, right next to the seed bed. It provides rapid plant growth with the ammonium nitrogen form it contains. Keystart Plus contains the absolute necessary nutrients for rapid metabolic development and optimum root sprouting. Its content is complexed with herbal organic plant growth promoters.
It minimizes the effect of stress conditions during the planting period.

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	12%
Phosphorus Pentaoxide (P2O5)	44%
Water Soluble Phosphorus Pentaoxide (P2O5)	40%
Magnesium Oxide (MgO)	1.5%
Zinc (Zn)	1%
Manganese (Mn)	0.3%
Iron (Fe)	0.3%
Sulfur Tri Oxide (SO3)	5%

Usage and Dosage

Plant	Application Time	Administration dose
Cereals (Wheat, Barley, Oats, Rye)	Seed sowing period	3-4 kg /da
Corn, Cotton, Paddy	Seed sowing period	4-5 kg /da
Vegetables (Tomato, Pepper, Eggplant, Cucumber)	Seed sowing period	4-5 kg /da
Tuberous and Edible Roots (Potato, Beet, Carrot, Onion, Garlic, Radish)	Seed sowing period	4-5 kg /da
Oil Crops (Sunflower, Soybean, Canola, Sesame, Peanut, Safflower, etc.)	Seed sowing period	50-70
Legumes (Beans, Chickpeas, Lentils, Beans, Peas, etc.)	Seed sowing period	3-4 kg /da
Vegetables with edible leaves and flowers (Lettuce, Parsley, Spinach, Cabbage, Cauliflower, Broccoli etc.)	Seed sowing period	3-4 kg /da
Banana, Citrus, Olive	Seed sowing period	150 gr / sapling
Soft and Hard Core Fruits (Apple, Pear, Cherry, Peach etc.)	Seed sowing period	150 gr / sapling

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey TSP 44 TRIPLE SUPERPHOSPHATE

EC FERTILIZER

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Unikey TSP 44 contains 43-44% phosphorus. It is in granule form that does not contain nitrogen and has a high phosphorus content. More than 90% of the phosphorus it contains dissolves in water and becomes quickly available for plant uptake. Phosphorus is important for root development in plants, strengthening the plant body and making the plant resistant to diseases and pests; It shortens the harvest time by promoting flower development and seed maturity.

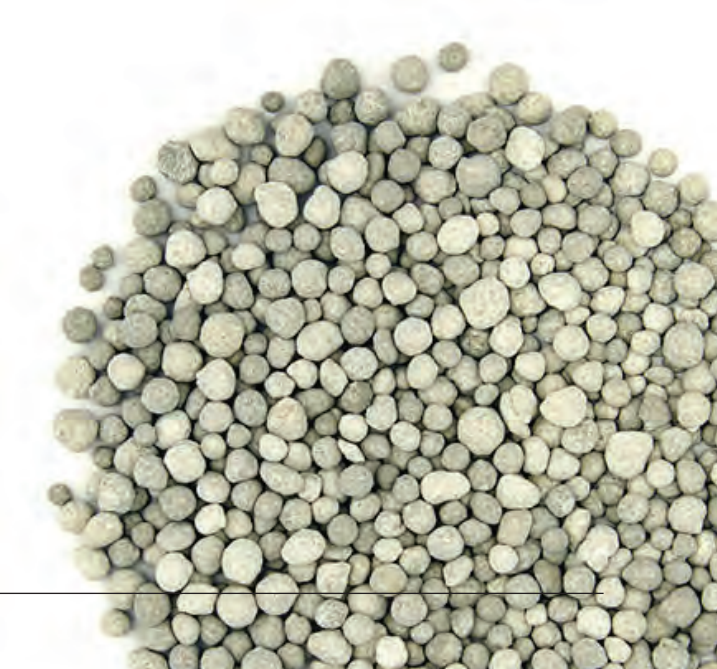
In phosphorus deficiency, the plant remains stunted, blooms late, and flower and seed formation is poor. The leaves first turn dark green, then red and purple. In addition, fruit formation is small and the shelf life of the product is shortened. It is used as base fertilizer in all plants (cereals, corn, cotton, hazelnuts, vineyards, bananas, etc.) to meet the phosphorus need. It increases subsoil water and nutrient uptake capacity by ensuring healthy root development.

Guaranteed Content (%w/w)

Neutral Ammonium Citrate Soluble Phosphorus Penta Oxide (P205)	44%
Water Soluble Phosphorus Penta Oxide (P205)	40%

Usage and Dosage: Application to the soil before planting.

Plant	Method of Application soil application (kg/da)
Wheat, Barley, Sunflower, Paddy	30-40
Corn, Cotton	40-50
Sugar Beet, Onion, Peanut	40-50
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Potatoes	100-120
Open Field Vegetables	40-50
Greenhouses	50-60
Hard and Soft Core Fruit Trees (According to Age)	1-4 Kg / Tree
Citrus (By Age)	1-4 Kg / Tree
Olive (According to Age)	1-4
Apple (By Age)	1-4
Grape (Vineyard)	40-50
Banana	60-70
Hazelnut	1-4 Kg / Plot
Tea	40-50



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

UNI PROFESSIONAL P 25 5-25-0

EC FERTILIZER

Unikey Professional P 25 contains 5% Nitrogen (N) and 25% Phosphorus (P205) as the effective substance in its structure.
With its high phosphorus content as well as urea nitrogen, it can be used for subsoil fertilization of all field and garden (vegetable - fruit) plants.

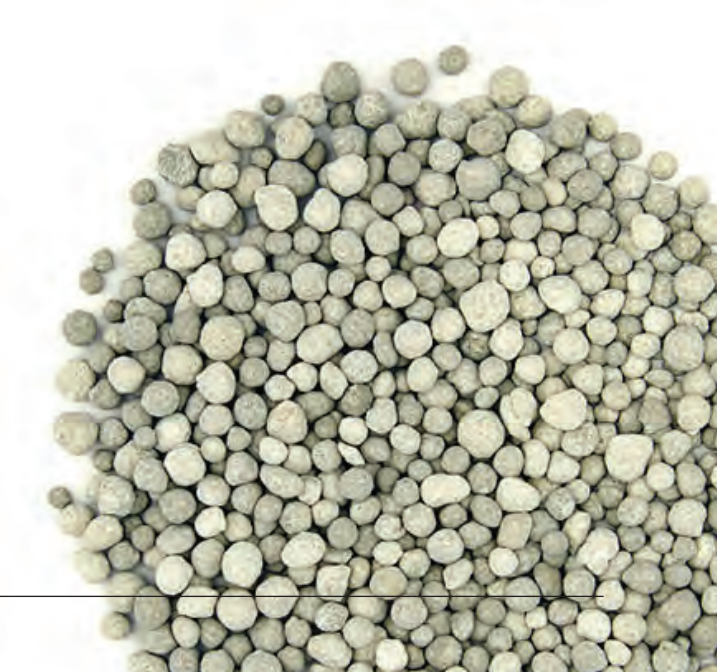
25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	5%
Urea Nitrogen (N)	5%
Phosphorus Penta Oxide (P205) Soluble with Mineral Acids	25%
Phosphorus Penta Oxide (P205) Soluble in 2% Formic Acid	17%

Areas of Use and Dosage: Applied to the Soil Before Planting

Plant	Method of Application
	Soil application (kg/da)
Hard and Pome Fruit Trees (According to Age)	1-4 Kg / tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Edible Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Areas	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grapes (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / plot
Tea	40-50



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional P21 8-21-0

NP FERTILIZER BLENDED - EC FERTILIZER

Uni Professional P21 contains 8% Nitrogen (N) and 21% Phosphorus (P205) as effective substances.
With its high phosphorus content as well as urea nitrogen, it can be used for subsoil fertilization of all field and garden (vegetable - fruit) plants.

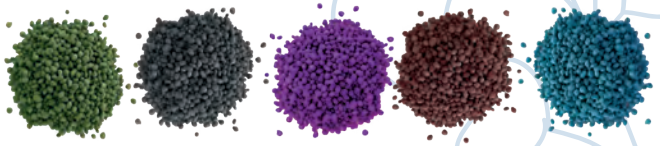
25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	8%
Urea Nitrogen (N)	8%
Phosphorus Penta Oxide (P205) Soluble with Mineral Acids	21%
Phosphorus Penta Oxide (P205) Soluble in 2% Formic Acid	14%

Areas of Use and Dosage: Applied to the Soil Before Planting

Plant	Method of Application soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1-4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / Plot
Tea	40-50



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional 12-30-12+(12SO3)+Zn

FIVE NUTRIENT-SULFUR AND ZINC COMPOSED FERTILIZER

Uni Professional 12-30-12+(12SO3)+Zn provides ideal plant nutrition for sugar beet, and is suitable for use as a base fertilizer in cereals, potatoes, cotton, corn, peanuts, canola, sunflower, legumes, fruit trees, vegetables and greenhouses, depending on the plant and soil requirements.

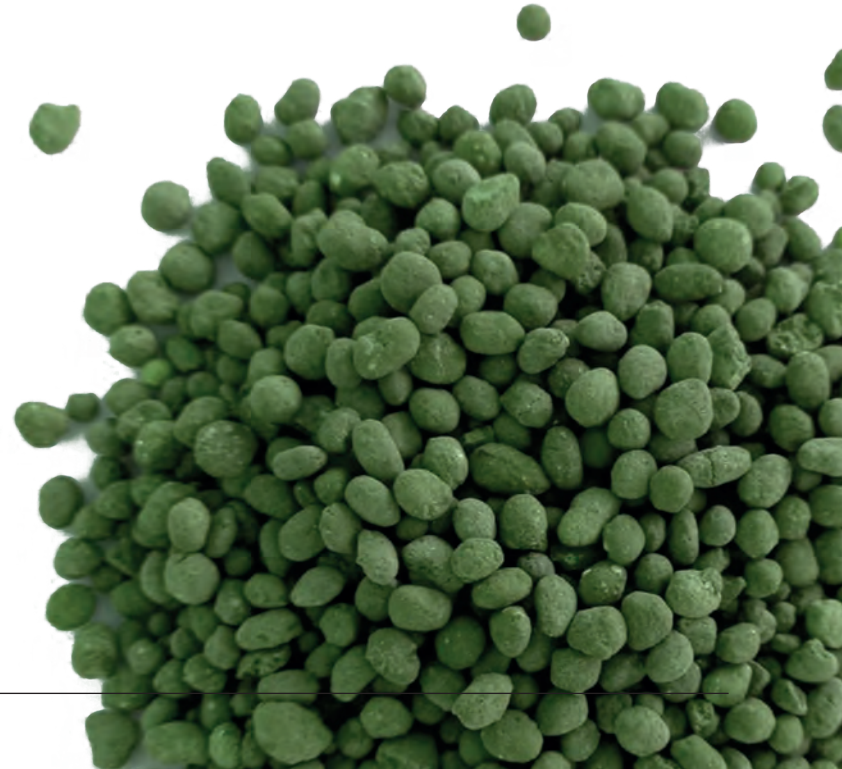
1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	12%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	30%
Water Soluble Phosphorus Penta Oxide (P2O5)	28%
Water Soluble Potassium Oxide (K2O)	12%
Total Sulfur Trioxide (SO3)	12%
Water Soluble Zinc (Zn)	0.5%

Areas of Use and Dosage: It is applied to the soil before planting.

Plant	Application Time
In Hard and Soft Core Fruit Trees (According to Age)	1 -4 Kg / Tree
Open Field Vegetables and Leafy Winter Vegetables	40-50 Kg / da
In All Greenhouse Vegetables	50-60 Kg / da
In All Industrial Plants	40-50 Kg / da
Grains and Green Fields	30-40 Kg / da
Watermelon, Melon, Carrot, Radish, Strawberry	40-50 Kg / da
Grape (Vineyard)	60-80 Kg / da
Potatoes, Bananas	40-50 Kg / da
Hazelnut	1-4 Kg / Plot



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional 10-20-20+(20 SO3)

NPK Fertilizer Blended

Uni Professional 10-20-20+(20 SO3) is a granular subsoil fertilizer that contains high concentrations of Phosphorus and Potassium, and also contains Nitrogen concentration, which helps your plant convert other nutrients into usable building blocks.

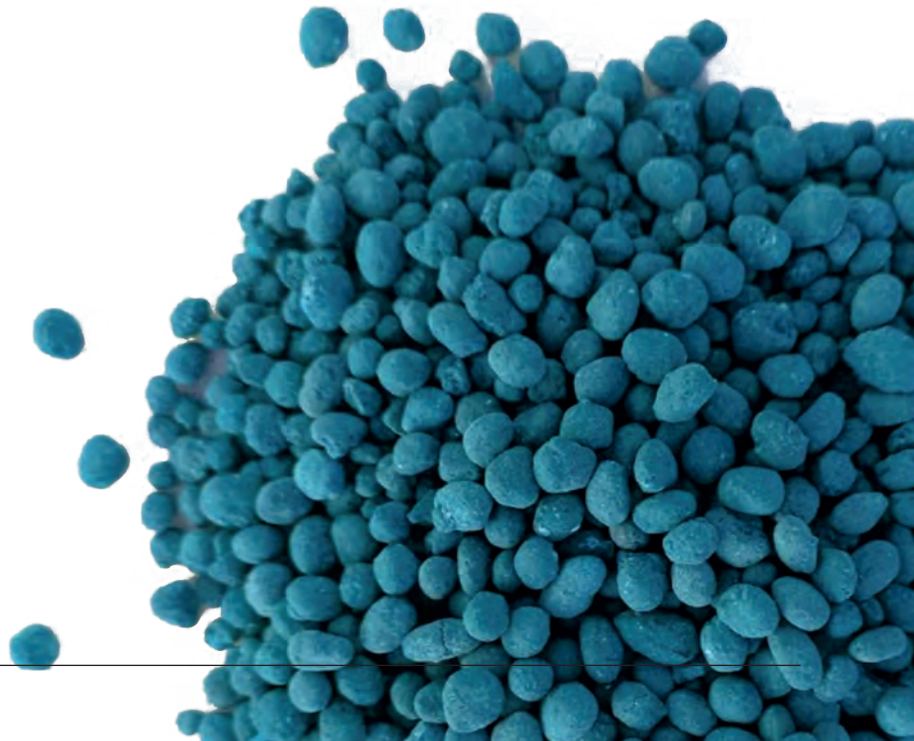
1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	10%
Ammonium Nitrogen (N)	7.5%
Urea Nitrogen (N)	2.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	20%
Water Soluble Phosphorus Penta Oxide (P2O5)	17%
Water Soluble Potassium Oxide (K2O)	20%
Total Sulfur Trioxide (SO3)	20%

Areas of Use and Dosage: It is applied to the soil before planting.

Plant	Application Time
In Hard and Soft Core Fruit Trees (According to Age)	1 -4 Kg / Tree
Open Field Vegetables and Leafy Winter Vegetables	50-70 Kg / da
In All Greenhouse Vegetables	40-50 Kg / da
In All Industrial Plants	50-60 Kg / da
Grains and Green Fields	25-35 Kg / da
Watermelon, Melon, Carrot, Radish, Strawberry	40-50 Kg / da
Grape (Vineyard)	90-110 Kg / da
Potatoes, Bananas	120-140 Kg / da
Hazelnut	1-4 Kg / Plot



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional 20-10-10+ (10 SO3) +TE

NPK Fertilizer Blended

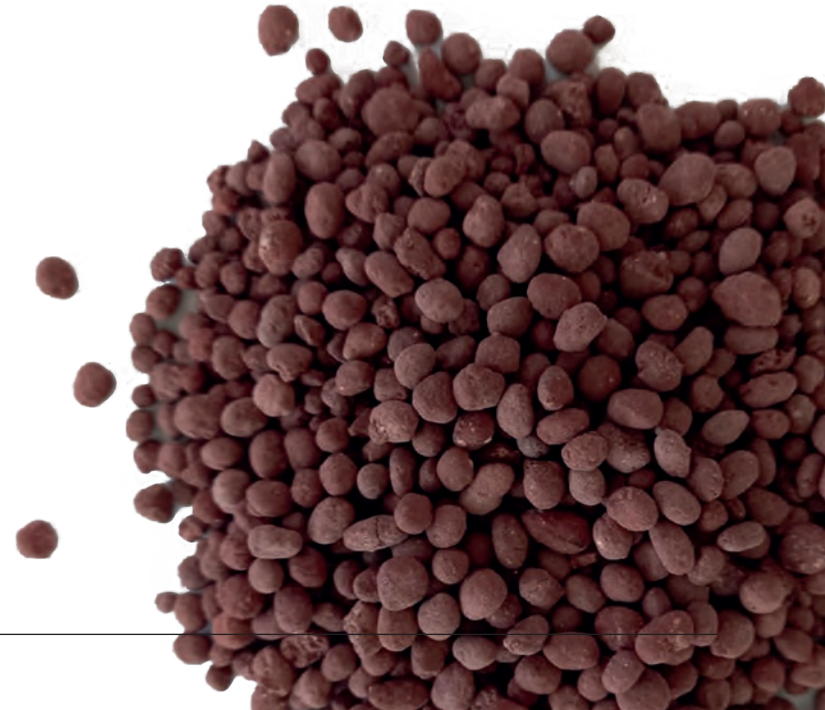
Uni Professional 20-10-10+ (10 SO3) +TE provides effective, fast and rich nutrition to your plants. It is highly recommended for growing leafy vegetables as it contains higher amounts of nitrogen, sulfur, iron and zinc, as well as balanced phosphorus and potassium.

In addition, depending on the plant needs and soil requirements, Olive, Hazelnut, Vineyard, Orchard and Greenhouse plants are suitable for use in landscape areas. Your plants need nitrogen throughout their lives, especially in the early stages of their growth, from planting to flowering. Nitrogen stimulates green leafy growth and supports fruit and seed development. Phosphorus supports energy transfer throughout the plant for root development and flowering, Potassium is required for photosynthesis and regulates many metabolic processes necessary for growth, fruit and seed development. This affects all aspects of plants' well-being, from cold and drought tolerance to disease and pest resistance.

25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	20%
Ammonium Nitrogen (N)	3.5%
Urea Nitrogen (N)	16.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	10%
Water Soluble Phosphorus Penta Oxide (P205)	9%
Water Soluble Potassium Oxide (K20)	10%
Total Sulfur Trioxide (SO3)	10%
Water Soluble Iron (Fe)	0.05%
Water Soluble Zinc (Zn)	0.05%



Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Method of Application
All Fruit Trees (According to Age)	30 - 40 Kg / da
	1.5 - 3 Kg / tree
	0.5 - 1 Kg / tree
Outdoor Vegetables and Field Crops (Excluding Cereals and Green Fields)	40 - 50 Kg / da
In All Greenhouse Vegetables	50 - 60 Kg / da

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional 25-5-10

NPK Fertilizer Blended - EC FERTILIZER

Uni Professional 25-5-10 can also be used to fertilize plants with high phosphorus content in the soil or plants with lower phosphorus needs, especially tea and hazelnuts. It can also be used easily on edible vegetables, potatoes and grass areas. The nitrogen it contains helps plants grow and develop in a healthy and balanced way.

Phosphorus and potassium create appropriate branches and tillering, making the plant resistant to external influences. The reason why the nitrogen content in the fertilizer is higher than the phosphorus and potassium is that the tea plant removes more nitrogen from the soil. Nitrogen is directly related to the quality of the tea leaf. (Beautiful color and brew, highly aromatic tea leaves, high yield hazelnuts)

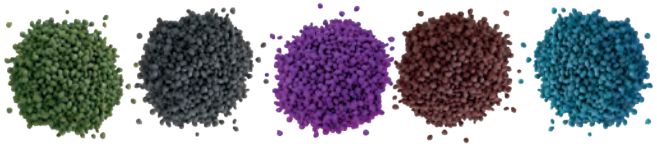
25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	25%
Ammonium Nitrogen (N)	2%
Urea Nitrogen (N)	23%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P205)	5%
Water Soluble Phosphorus Penta Oxide (P205)	4.5%
Water Soluble Potassium Oxide (K20)	10%

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Method of Application
	soil application (kg/da)
All Fruit Trees (By Age)	30-40
	1,5 - 4 Kg / Tree (Big)
	0,5 - 1 Kg / Tree (Scrub)
Outdoor Vegetables and Field Crops	40-60
All Greenhouse Vegetables	50-60
Tea	50-70



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Round Granular 15-15-15+15SO3+Zn

FIVE NUTRIENT-SULFUR AND ZINC COMPOSED FERTILIZER

These are the three main nutrient fertilizers most commonly used for initial fertilization in field crops, vegetable and fruit cultivation. Since it contains nitrogen, phosphorus and potassium, it helps improve the fertility of the soil in soils that are deficient in these nutrients. The zinc it contains helps the root development of plants and has positive effects on yield and quality.

Round Granular 15-15-15+15SO3+Zn is a preferred fertilizer in fruit and vegetable cultivation, especially field crops such as corn, sunflower, sugar beet and potatoes. Its nitrogen, phosphorus and potassium contents are balanced. When the granules applied during subsoil fertilization dissolve with soil water, all three nutrients released are easily absorbed by the plants by quickly coming into contact with the plant roots.

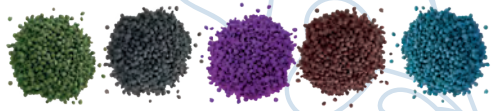
1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	5.5%
Urea Nitrogen (N)	9.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	15%
Water Soluble Phosphorus Penta Oxide (P2O5)	14%
Water Soluble Potassium Oxide (K2O)	15%
Total Sulfur Trioxide (SO3)	15%
Water Soluble Zinc (Zn)	0.5%

Usage Areas and Dosage: It is applied from the soil before planting.

Plant	Method of Application soil application (kg/da)
Hard and Soft Core Fruit Trees (According to Age)	1-4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1-4 Kg / Plot
Tea	40-50



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Round Granular 15-15-15+15S03

NPK Fertilizer Blended - EC FERTILIZER

These are the three main nutrient fertilizers most commonly used for initial fertilization in field crops, vegetable and fruit cultivation. Since it contains nitrogen, phosphorus and potassium, it helps improve the fertility of the soil in soils that are deficient in these nutrients.

Unikey Round Granular 15-15-15+15S03 is a preferred fertilizer in fruit and vegetable cultivation, especially field crops such as corn, sunflower, sugar beet and potatoes. Its nitrogen, phosphorus and potassium contents are balanced. When the granules applied during subsoil fertilization dissolve with soil water, all three nutrients released are easily absorbed by the plants by quickly coming into contact with the plant roots.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

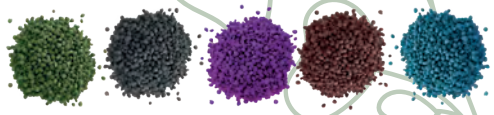
Guaranteed Content (%w/w)

Total Nitrogen (N)	15%
Ammonium Nitrogen (N)	5%
Urea Nitrogen (N)	10%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	15%
Water Soluble Phosphorus Penta Oxide (P2O5)	13%
Water Soluble Potassium Oxide (K2O)	15%
Total Sulfur Trioxide (SO3)	15%

Usage and Dosage: It is applied to the soil before planting.

It is used as base fertilizer and/or top fertilization. Have soil and leaf analysis done to determine the best application rate. The values in the table are recommendations to give an idea and may vary depending on the plant nutrients in the soil and the needs of the plant variety. Actual doses can be determined by people with technical knowledge on this subject, according to the analysis results and the development status of the plants. Do not exceed the recommended application amount.

Plant	Method of Application
	soil application (kg/da)
In Hard and Soft Core Fruit Trees (According to Age)	1 -4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1 - 4 Kg / Plot
Tea	40-50



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Round Granular 12-12-17+17 S03

NPK Fertilizer Blended - EC FERTILIZER

Unikey Round Granular 12-12-17+17S03 is a formulation containing the three main nutrients required for initial fertilization in the cultivation of field crops, vegetables and fruits. Since it contains nitrogen, phosphorus and potassium, it helps improve the fertility of the soil in soils that are deficient in these nutrients. With the sulfur it contains, it supports the regulation of Ph in soils with high lime content, increasing nutrient uptake efficiency and therefore yield potential.

25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	12%
Ammonium Nitrogen (N)	2.5%
Urea Nitrogen (N)	9.5%
Neutral Ammonium Citrate and Water Soluble Phosphorus Penta Oxide (P2O5)	12%
Water Soluble Phosphorus Penta Oxide (P2O5)	10%
Water Soluble Potassium Oxide (K2O)	17%
Total Sulfur Trioxide (SO3)	17%

Plant	Method of Application
	soil application (kg/da)
In Hard and Soft Core Fruit Trees (According to Age)	1 -4 Kg / Tree
In All Greenhouse Vegetables	60-80
Outdoor Vegetables and Leafy Winter Vegetables	40-50
In All Industrial Plants	50-60
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	40-50
Grape (Vineyard)	60-80
Potatoes	100-120
Banana	120-150
Hazelnut	1 - 4 Kg / Plot
Tea	40-50

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Unikey Potas 50 POTASSIUM SULFATE

GRANULATE FERTILIZER WITH POTASSIUM AND SULFUR CONTENT

Unikey Potash 50 is a granular fertilizer that contains 50% potassium (K20) and can be in granule or powder form. It also contains 16-20% of 18 sulfur (S) in the form of sulfate (S04), which can be taken directly by the plant.

Potassium consumption increases in plants, especially after fruit set. Potassium is found in the structure of proteins. In fruit; It balances the acid-sugar ratio, affects coloration and taste, prevents fruit drop, increases resistance to diseases and pests, and increases resistance to frost and cold. Additionally, it prevents crop lodging, which causes yield losses, by increasing the straw quality in cereals.

Potassium sulfate can be used in all kinds of agricultural production. However, it is especially recommended for use in vegetables, potatoes, citrus fruits and vineyards.

1 - 5 - 10 - 20 - 25 - 50 KG - Bigbag

Guaranteed Content (%w/w)

Water Soluble Potassium Oxide (K20)	50%

Usage and Dosage: Soil application before planting and when needed.

Plant	Method of Application soil application (kg/da)
In Hard and Soft Core Fruit Trees (According to Age)	0.5 - 1.5 Kg / Tree
In All Greenhouse Vegetables	20-25
Outdoor Vegetables and Leafy Winter Vegetables	15-20
In All Industrial Plants	15-20
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	20-25
Grape (Vineyard)	25-30
Potatoes	25-30
Banana	80-100
Hazelnut	0.5 - 1 Kg / Plot

Round Granular K-25 5-0-25+5MGO+15SO3

NK Fertilizer Blended - EC FERTILIZER

Round Granular K-25 is enriched with magnesium, which contains high potassium, nitrogen and sulfur in a supporting ratio, and also increases photosynthesis, activates enzymes and affects phosphorus uptake.

It has a fruit enlarging, aroma, color and quality enhancing, and yield enhancing effect. Round Granular K-25 fertilizer can be preferred on all plants, especially potatoes, onions, legumes, sugar beets and vineyards.

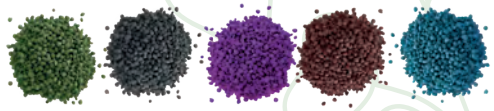
25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	5%
Urea Nitrogen (N)	5%
Water Soluble Potassium Oxide (K2O)	25%
Water Soluble Magnesium Oxide (MGO)	5%
Water Soluble Sulfur Tri Oxide (SO3)	15%

Usage and Dosage: Soil application before planting and when needed.

Plant	Method of Application soil application (kg/da)
In Hard and Soft Core Fruit Trees (According to Age)	0.5 - 1.5 Kg / Tree
In All Greenhouse Vegetables	20-25
Outdoor Vegetables and Leafy Winter Vegetables	15-20
In All Industrial Plants	15-20
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	20-25
Grape (Vineyard)	25-30
Potatoes	25-30
Banana	80-100
Hazelnut	0.5 - 1 Kg / Plot



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional K-30 5-0-30

NK FERTILIZER BLENDED - EC FERTILIZER

Uni Professional K-30 is a granular formulation containing a high amount of potassium (30%). It forms the basis of high efficiency and quality in the plant. Quality and high content potassium in its content; It takes part in the basic metabolic activities of plants such as photosynthesis, enzyme activity and protein synthesis.

It provides stomatal control in plants, that is, it increases drought resistance by reducing water loss. It increases rooting and provides more effective uptake of water and nutrients. In addition to increasing fruit quality and durability, it provides resistance to diseases. It gives plants resistance to adverse climatic conditions (excessive rainfall, frost, drought, wind, etc.). Flowering occurs much more healthily and at maximum level. It allows plants to mature faster. It helps to use nitrogen in the soil more effectively.

25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	5%
Urea Nitrogen (N)	5%
Water Soluble Potassium Oxide (K2O)	30%

Usage and Dosage: Soil application before planting and when needed.

Plant	Method of Application soil application (kg/da)
In Hard and Soft Core Fruit Trees (According to Age)	0.5 - 1.5 Kg / Tree
In All Greenhouse Vegetables	20-25
Outdoor Vegetables and Leafy Winter Vegetables	15-20
In All Industrial Plants	15-20
In All Grains and Green Fields	30-40
Watermelon, Melon, Carrot, Radish, Strawberry	20-25
Grape (Vineyard)	25-30
Potatoes	25-30
Banana	80-100
Hazelnut	0.5 - 1 Kg / Plot

These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional N33 Urea Ammonium Sulfate

100% WATER SOLUBLE - NITROGEN GRANULAR FERTILIZER CONTAINING UREA AND AMMONIUM SULFATE

25 - 50 KG

Uni Professional N33 is a nitrogen top fertilizer with a fast-acting special formulation containing 9% Ammonium nitrogen, 24% Urea nitrogen and 15% Sulfur.
Thanks to two different nitrogen forms in the formulation; It provides both rapid (ammonium) and continuous nitrogen (Urea) feeding.

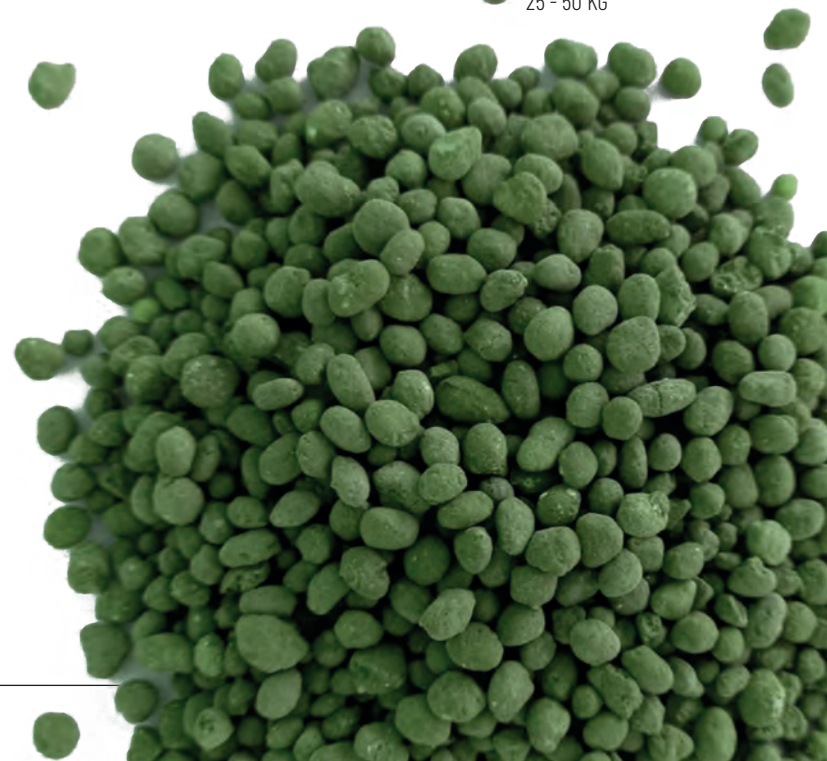
It can be used as overhead spraying when two different nitrogen sources are needed for plant nutrition. Thanks to its high solubility in water, it can be easily used in sprinkler and drip irrigation systems for upper nitrogen feeding in all plant patterns. It has no explosive or flammable properties.

Guaranteed Content (%w/w)

Total Nitrogen (N)	33%
Ammonium Nitrogen (N)	9%
Urea Nitrogen (N)	24%
Water Soluble Sulfur Tri Oxide (SO3)	15%

Usage and Dosage

Plant	Method of Application soil application (kg/da)
Wheat, Barley, Sunflower, Soybean, Peanut	30-40
Corn, Cotton	40-60
Open Field Vegetables	40-60
Greenhouse Vegetables	50-70
Hard and Soft Core Fruit Trees (According to Age)	1-4 kg / tree
Watermelon, Sugar Beet, Grape (Vineyard)	40-60
Strawberry (All Season)	50-60
Carrot, Radish, Onion, Artichoke	20-40
Potatoes	40-50
Banana	50-70



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

Uni Professional N30

Urea Ammonium Sulfate

NITROGEN FERTILIZER CONTAINING AMMONIUM SULFATE

Uni Professional N30 is a granular nitrogen top fertilizer that provides nitrogen quickly with its ammonium form, continuously with its Urea form, and supports the uptake of sulfur and urea.
In cases where urea and ammonium nitrogen are needed, it can be used as top sprinkling or during the throat filling period.

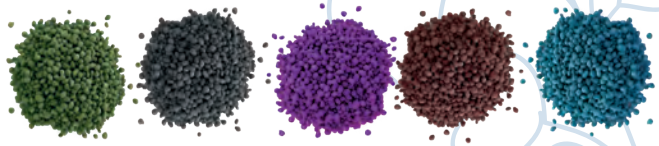
25 - 50 KG

Guaranteed Content (%w/w)

Total Nitrogen (N)	30%
Ammonium Nitrogen (N)	4%
Urea Nitrogen (N)	26%
Water Soluble Sulfur Tri Oxide (SO3)	15%

Usage and Dosage

Plant	Method of Application
	Soil application (kg/da)
Wheat, Barley, Sunflower, Soy, Peanut	30-40
Corn, Cotton	40-60
Open Field Vegetables	40-60
Greenhouse Vegetables	50-70
Hard and Pome Fruit Trees (According to Age)	1-4 kg / tree
Watermelon, Sugar Beet, Grapes (vineyard)	40-60
Strawberries (All Season Long)	50-60
Carrot, Radish, Onion, Artichoke	20-40
Potatoes	40-50
Banana	50-70



These values are recommendations. Appropriate doses are determined by agricultural analysis results and It can be determined by people with technical knowledge on this subject, depending on the development status of the plants. Do not exceed the recommended application amount.

KEY GRANULATED UREA 46%

NITROGEN FERTILIZER CONTAINING AMMONIUM SULFATE

Urea fertilizer has the highest nitrogen content among nitrogenous fertilizers, has a granular structure, is white in color, odorless, easily soluble in water, and contains 46 kg per 100 kg. It is a fertilizer containing nitrogen.
It is a more economical fertilizer in terms of unit nitrogen.
Urea fertilizer can be applied successfully to the soil in various ways, as well as in irrigation water or by spraying.

It positively affects the stem, green parts and root development of plants.

In nitrogen deficiency, plant development slows down and grain and fruit yield losses occur. In advanced stages, yellowing occurs on the lower leaves of the plant. In continuous nitrogen deficiencies, the leaves turn brown and development is weakened.

Urea can be easily applied to all plants. It can also be used in autumn and spring fertilization and during the growth periods of the plant.
In top fertilization, covering with soil cultivation after application will prevent possible nitrogen losses.

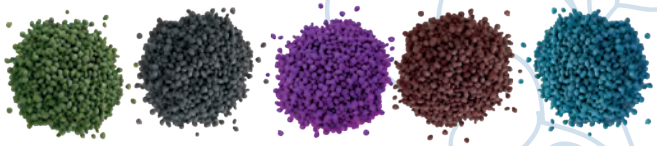
25 - 50 KG

Guaranteed Content (%w/w)

Urea Nitrogen (N)	46%

Usage and Dosages

Consult your dealer and agricultural expert for correct fertilizer use. It is recommended to use fertilizer after soil and/or leaf analysis.



KEY AS 21 Ammonium Sulfate

NPK Fertilizer Blended - EC FERTILIZER

Ammonium Sulfate fertilizer is a fertilizer that contains 21% nitrogen (N) in the form of ammonium (NH4) and 24% sulfur (S) in the form of sulfate (SO4) that plants can absorb. Ammonium Sulfate fertilizer is a type of fertilizer in crystal or granular structure that is light yellow, gray, light brown and mostly white in color. It is also popularly called sugar fertilizer because it is generally white in color and fine-grained.

Thanks to the sulfur it contains, it helps meet the sulfur needs of plants...
Since it is an acidic fertilizer, it is recommended to be used in calcareous soils.

Ammonium Sulphate fertilizer is usually used during planting. Thus, it accelerates the growth of plants, and the nitrogen it contains in the form of ammonium (NH4) ensures that the phosphorus in the soil is more easily absorbed by the plant.

25 - 50 KG

Guaranteed Content (%w/w)

Ammonia Nitrogen (N)	21%

Usage and Dosages

Consult your dealer and agricultural expert for correct fertilizer use. It is recommended to use fertilizer after soil and/or leaf analysis.