

PLANT NUTRITION SOLUTIONS

2025
2026

PRODUCT CATALOGUE



Çiftçi Dostu



Çiftçi Dostu

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Proses No: 5/1 Merkez/ÇANKIRI



Alarko Agriculture



Alsera has embarked on its journey with the vision of becoming Turkey's largest greenhouse company by leveraging the country's geothermal resources infrastructure and engaging in modern, soilless greenhouse cultivation.



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In line with its goal of producing high value-added natural products and derivatives for the food industry, Alarko Food Industry carries out the production of dried fruits and vegetables.



Palmira Agro set out in 2015 with the goal of enhancing innovation, efficiency, and sustainability in agriculture. Our aim was to provide solutions that help farmers achieve higher yields with fewer inputs while promoting environmentally friendly farming practices. Closely following developments in the industry, Palmira Agro foresaw the increasing importance of microgranule fertilizers in agriculture during 2020-2021 and began investing in this field. However, the global supply chain disruptions caused by the pandemic further highlighted the significance of local production. In response, we partnered with industry experts with extensive global experience and decided to establish microgranule fertilizer production in Turkey. In 2023, we laid the foundations of our modern production facility in Çankırı Yakınkent Organized Industrial Zone.





Our Approach

OUR VISION

As Palmira Agro, we offer high-quality and environmentally friendly solutions to increase agricultural productivity and support sustainable farming. With our innovative approach and ever-evolving technologies, we aim to be a leading organization in the fertilizer industry both domestically and internationally.

While providing farmers with the most suitable products for their needs, we also prioritize the protection of natural resources and the sustainability of the ecosystem.

OUR MISSION

Our mission is to produce innovative, high value-added plant nutrition and microgranular fertilizers using the latest technologies, with a farmer-friendly approach in the agricultural sector.

We aim to help farmers become competitive in global markets through environmentally friendly products that enhance agricultural productivity and sustainability.

Production

FIRST CE-CERTIFIED HYBRID PRODUCTION TECHNOLOGY

Palmira Agro's production facility, located in Çankırı Yakınkent Organized Industrial Zone, was established on 26 decares of land with 8,300 m² of indoor space and became operational in September 2024. Equipped with state-of-the-art production lines, fully automated systems, and a team of expert engineers, we manufacture high-quality microgranular fertilizers.

Thanks to our CE-certified hybrid production technology—a first in Türkiye—our products are carefully formulated to maximize plant nutrition and soil fertility, meeting the needs of modern agriculture.

Guided by our customer-centric approach, we provide after-sales technical support, agricultural consultancy, and training services to ensure farmers achieve the best possible yields. With our expanding distribution network, we deliver quickly and reliably across Türkiye.

At Palmira Agro, we remain committed to building the future of sustainable agriculture by producing with innovative technologies, creating value for farmers, and continuously growing together.



Advanced Drying and Granulation Technology

At Palmira Agro's production facility, fluidized bed drying technology is used instead of conventional rotary drum dryers. This system prevents direct contact of fertilizers with heat during the drying stage, eliminating the risk of burning and preserving product quality. Thanks to the enhanced granulator system, homogeneous and physically superior products are achieved.

Fully Automated Packaging System

The 100% automated packaging system operates with high speed, precision, and low energy consumption, enabling Palmira Agro to deliver maximum efficiency and environmentally friendly solutions throughout its production processes.



Smart Handling and Storage Infrastructure

Palmira Agro ensures energy savings and operational efficiency in production and storage by using fully electric pallet trucks, forklifts, and reach trucks. With the integrated 3003 Pallet Very Narrow Aisle (VNA) Racking System, space optimization and organized stock management are successfully implemented thanks to the integrated WMS and CRM software.

Sustainable Production Infrastructure

Palmira Agro is equipped with a modern production infrastructure that prioritizes environmental sustainability. Wastewater is treated through a biological treatment system, while process air and dust generated during production are cleaned with a Scrubber (Washing Tower). These systems both contribute to environmental protection and ensure that the final products are dust-free and of the highest quality.



Production Powered by Renewable Energy

We are carrying out the calculation and reporting processes related to the European Union's Carbon Border Adjustment Mechanism (CBAM) in parallel with our compliance efforts for the micro-granular fertilizers we produce at our factory. With our low carbon footprint, we provide our customers with significant advantages in carbon emission costs, while our Solar Power Plant investment enables us to move confidently toward our zero-emission target.



R & D

PALMIRA APPROACH

Palmira Agro is a brand that adds value to the agricultural sector through innovative and sustainable microgranular fertilizer production tailored to the needs of modern farming. Our mission is to provide environmentally friendly and productivity-enhancing plant nutrition solutions, while positioning ourselves as the strongest partner of farmers through scientific research and R&D activities.

By developing microgranular solutions adapted to diverse climate and soil conditions, we contribute to increasing agricultural productivity, preserving the natural balance of the soil, and promoting sustainable farming practices.

01



QUALITY AND INNOVATION-DRIVEN LABORATORY

Our laboratory, equipped with high-tech devices from leading companies in the field, conducts regular analyses of all raw materials used in the facility as well as final products manufactured for end users for total customer satisfaction.

02



FAST AND ACCURATE ANALYSIS PROCESS

With advanced equipment such as ICP-OES and Nitrogen Determination Device (Kjeldahl), our laboratory performs multi-element analyses with high accuracy and in a short time.

03



OUR GOAL: ACCREDITATION AND RELIABILITY

To further enhance the reliability of our analyses, our laboratory is working towards obtaining the ISO/IEC 17025 Laboratory Accreditation Management System within 2025.

04



GRANULAR FERTILIZER STUDIES

In our laboratory, which features a mini granulator designed by the company that supplies our production technology, we carry out R&D activities for all types of granular fertilizers to meet the needs of the sector.

05



WATER EFFICIENCY

For the efficient use of water, advanced treatment systems and recycling methods are applied to achieve water savings in production. In addition, we offer specialized products and technical solutions aimed at increasing water efficiency in agricultural production, supporting farmers in adopting conscious and sustainable water management practices.

06



PLANT CLINIC

To protect plant health and improve agricultural productivity, our expert team provides specialized products developed against abiotic stress conditions and for optimized plant nutrition. We also deliver technical support for their correct and effective use, helping farmers implement conscious and successful farming practices. In this way, sustainable farming is promoted while both product quality and productivity are enhanced.

5R Philosophy



Right Source

Fertilizers are composed of balanced nutrient components tailored to the specific needs of plants.



Right Rate

Fertilizer use is regulated according to each plant's nutritional requirements, preventing excess or deficiency.



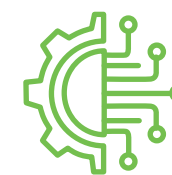
Right Time

Fertilization periods are carefully determined to match the growth stages of plants.



Right Place

Nutrients are applied to the most suitable soil zones, ensuring maximum uptake by plants.



Right Technology

Advanced technologies are used to ensure sustainable fertilizer production, enhancing agricultural efficiency while protecting the environment.

Microgranular fertilizers are formulated according to the 5R principles to support high efficiency in agricultural production. This approach ensures that plants receive the nutrients they need in the most effective way, while also promoting the conscious and balanced use of natural resources.

First, in line with the Right Source principle, fertilizer components are carefully selected and formulated with a balanced content to meet the nutritional demands of plants. The Right Rate principle ensures that each crop type receives the required amount of nutrients, preventing both overuse and deficiencies.

To enhance efficiency, the Right Timing principle aligns application periods with the growth stages of the plant. The Right Placement principle ensures that fertilizers reach the most effective areas within the soil, enabling plants to fully benefit from the nutrients.

Finally, with the Right Technology principle, production processes are developed using environmentally friendly methods and advanced technologies, maximizing agricultural effectiveness.

Built on these five strategic foundations, microgranular fertilizers continue to be one of the indispensable elements of modern and sustainable agriculture.



Our Products

- 17** PALStream Microgranular Fertilizer
Strong roots at the start,
Maximum benefit in every granule.
- 21** Specialty Products
Custom formulas, smart solutions in the field.
- 45** Base Fertilizers
Feed from the roots, harvest at the peak.
- 61** Slow-Release Fertilizers
Controlled release, steady nutrition, lasting yield.
- 73** Water-Soluble NPK Fertilizers
Dissolves in water, delivers power to your crops.
- 81** Water-Soluble Straight Fertilizers
Pure strength in every drop.



PALStream

EC FERTILIZER - NP FERTILIZER

Features

- Rapidly dissolves in the root zone, ensuring direct uptake.
- Enhances yield and quality through balanced nutrient distribution.
- Provides minimal loss in the soil with high nutrient efficiency.
- Offers cost and labor advantages with a low application dose.
- Contains environmentally friendly components for sustainable agriculture.



Mechanical Application



20 Kg



**EU TYPE EXAMINATION -
CERTIFICATE**
Regulation (EU) 2019/1009

TÜV
AUSTRIA

MODULE B - EU Type Examination
No 0906 – FPR – 20508250013446/02

PALStream is an eco-friendly and highly efficient fertilizer in microgranular form. With a granule size of 0.8–1.2 mm, it provides essential nutrients required by plants quickly and effectively. The phosphorus content is derived from Apatite-Nepheline ore, which contains significantly lower levels of heavy metals compared to other phosphorus sources worldwide. This feature minimizes the environmental impact of the product and supports sustainable agriculture.



COMPOSITION	%	w/w
Total Nitrogen (N)		11
Ammonium Nitrogen N (N-NH ₄)		11
Total Phosphorus Pentoxide (P ₂ O ₅)		51
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Water		45
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate		49
Total Sulphur Trioxide (SO ₃)		3
Total Zinc (Zn)		1

CROPS	SEED SOWING
Corn, Sunflower, Cotton	
Potato, Beet	4-5 kg/da
Vegetables	
Wheat, Canola	2-4 kg/da

PALStream

EC FERTILIZER - NP FERTILIZER

BENEFITS OF PALStream MICRO GRANULE

Rapid and Efficient Phosphorus Utilization: The phosphorus obtained from magma-based Apatite-Nepheline ore can be absorbed more quickly and efficiently by plants, promoting faster growth.

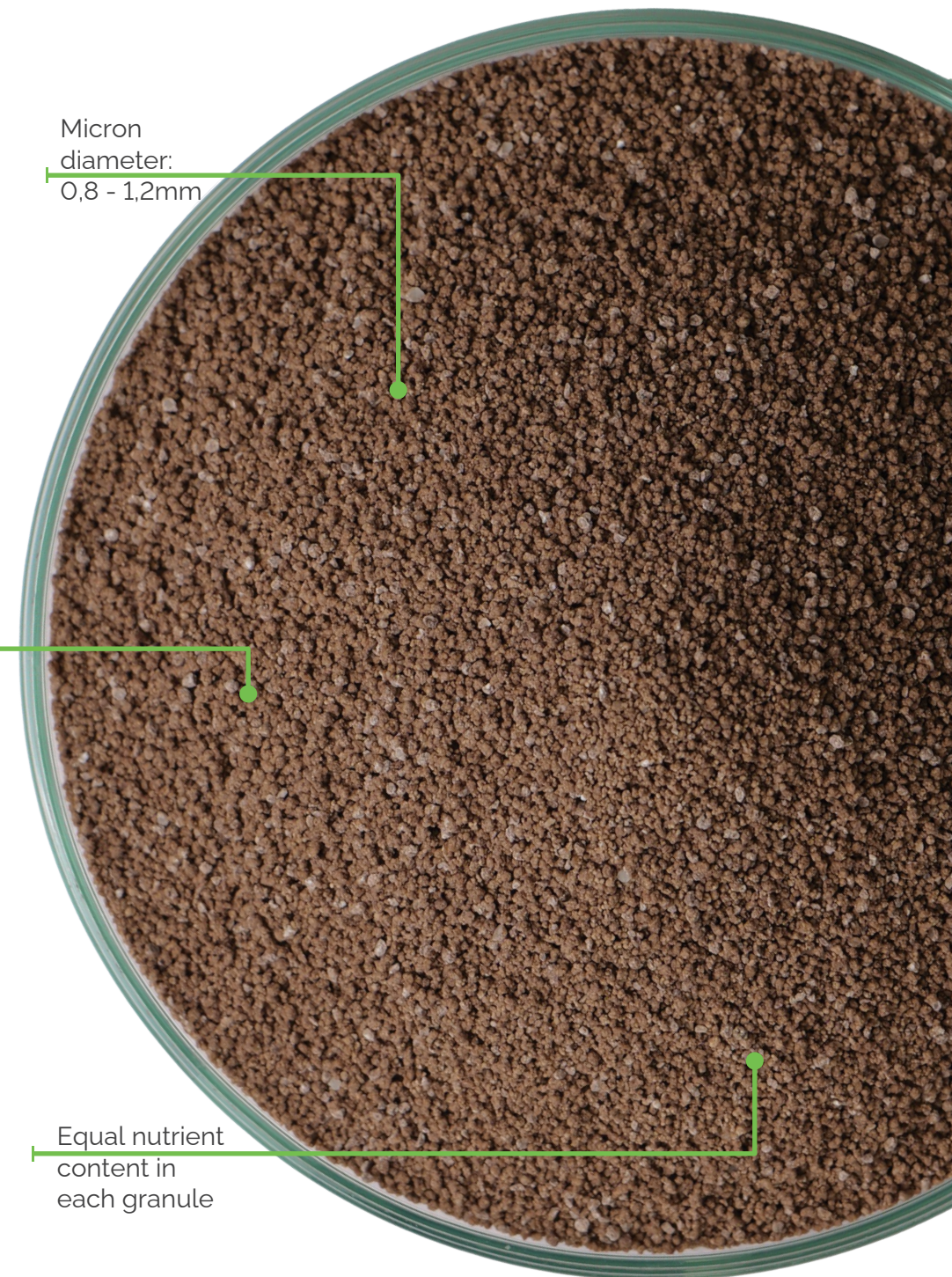
Long-Lasting Effect: Apatite-based phosphorus has a prolonged impact in the soil, as the binding process of phosphorus in the soil is slow, ensuring long-term effectiveness of the fertilizer.

Eco-Friendly Formula: With its low heavy metal content, PALStream is an environmentally friendly and sustainable option. Phosphorus is released efficiently in line with plant needs.

Rich Composition: Additional nutrients support plant development and serve as an energy source for soil microorganisms in the root zone.

Effective in All Soil Types: Demonstrates 100% solubility in both alkaline and acidic soils, effective within a pH range of 2-12, allowing its use in all soil conditions.

Seed Germination and Soil Health: Accelerates seed germination and enhances the soil's cation exchange capacity, helping plants absorb nutrients more efficiently.



Special Products

Palmira Agro's "Special Products" series is formulated with microbial contents, biologically derived substances, and microelements that support plant growth. These products facilitate the uptake of nutrients by plants in the soil while also enhancing the plant's resistance to stress conditions. With their natural and eco-friendly structure, these special solutions promote yield improvement and contribute to sustainable agricultural practices.



Albit®

NPK FERTILIZER SOLUTION

Features

- Contributes to reducing the impact of abiotic and biotic stress conditions.
- Delivers high effectiveness with a low dose.
- Strengthens the immune system, making the plant more resistant to diseases and viruses.



Seed Treatment



Fertigation



Foliar Application



250 ml



With 30 years of experience, Albit has established itself as a user-friendly product with a significant place in the agricultural world. When combined with Albit, chemical pesticides lose the stress effect they create in plants, reinforcing their primary impact and ensuring stable and enhanced performance (synergistic effect). It is compatible with all pesticides and fertilizers and can be safely used at every stage of production. Effective even at low doses, Albit provides an eco-friendly and sustainable contribution to your crop.

COMPOSITION	%	w/w
Total Nitrogen (N)		10
Nitrate Nitrogen N (N-NO ₃)		1
Urea Nitrogen N (N-NH ₂)		7,5
Ammonium Nitrogen N (N-NH ₄)		1,5
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		7
Potassium Oxide (K ₂ O) Soluble in Water		5,9

SEED TREATMENT	FOLIAR APPLICATION	FERTIGATION
100 ml/Ton	10-25 ml/da	25 ml/da

Palisium

THE POWER OF SILICON IN THIS PACKAGE

Features

- Facilitates and accelerates the uptake of trace elements.
- Enhances the germination power of seeds.
- Improves the effectiveness of biological products.
- Increases resistance against diseases and pests.



Seed Treatment



Foliar Application



500 gr



Palisium is a plant growth stimulant and natural immunity booster containing 31.5% amorphous silicon dioxide, suitable for both seed and foliar applications.

Thanks to PST (Precision Silicon Technology), monosilicic acid and amorphous silicon dioxide are combined in a single formula to provide bioavailable silicon to plants. This enables plants to become more resilient during critical growth stages and enhances their yield potential.

COMPOSITION	%	w/w
Silicon Dioxide (SiO ₂)		31,5

CROPS	Seed Treatment	Vegetative Stage
Cereals, Corn, Sunflower	50g(10l water)/ton	5-10 g/da
Rice	50g(10l water)/ton	10-15 g/da
Cotton	100g(10-15l water)/ton	10-15 g/da
Potato	100g(30l water)/ton	20-40 g/da
Leafy Greens,	50g(10l water)/ton	10 g/da
Legumes	50g(6-8l water)/ton	5-10 g/da
Vegetables	50g(6-8l water)/ton	15-20 g/da
Sugar Beet, Onion	-	10-15 g/da
Watermelon	50g(10l water)/ton	15-20 g/da
Pome Fruits	-	15g/100l
Stone Fruits	-	15g/100l

Azotovit

FERTILIZERS CONTAINING MICROORGANISMS

Features

- Provides additional nitrogen to the plant through atmospheric nitrogen.
- Increases the efficiency of chemical or organic fertilizers used by enhancing their uptake by the plant.
- Improves the organic structure of the soil.
- Activates the plant's immune system.



Seed Treatment



Fertigation



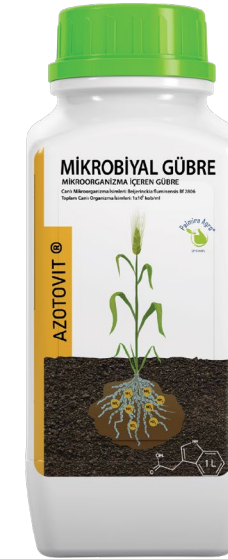
Foliar Application



1 LT



10 LT



Nitrogen makes up about 80% of the atmospheric air, but it is not in a form usable by plants. The bacterium *Beijerinckia fluminensis* fixes molecular nitrogen and, through a series of transformations, converts it into ammonium and nitrate forms that can be easily absorbed by plants. It also increases the efficiency of chemical or organic fertilizers used by enhancing their uptake by the plant.

COMPOSITION		kob/ml
Beijerinckia Fluminensis		1x10 ⁵
SEED TREATMENT	FOLIAR APPLICATION	FERTIGATION
100 ml/Ton	100 ml/da	100 ml/da

Phosphatovit

FERTILIZERS CONTAINING MICROORGANISMS

Features

- Mobilizes phosphorus and potassium bound in the soil.
- Prevents the fixation of phosphorus and potassium in the soil.
- Supports root development and enhances the plant's nutrient uptake from the soil.
- Helps plants make better use of chemical and organic fertilizers.



Seed Treatment



Fertigation



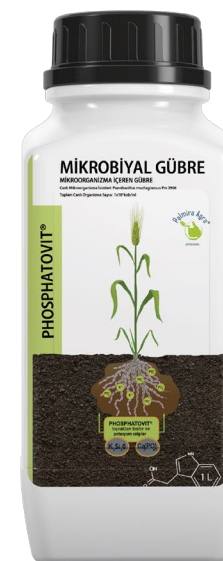
Foliar Application



1 LT



10 LT



The organic acids secreted by the bacteria promote the dissolution of phosphorus and potassium elements bound and insoluble in the soil, facilitating their conversion into forms that can be absorbed by plants.

COMPOSITION		kob/ml
Paenibacillus Mucilaginosus		1x10 ⁶
SEED TREATMENT	FOLIAR APPLICATION	FERTIGATION
100 ml/Ton	100 ml/da	100 ml/da

Lignum Power

ORGANO-MINERAL FERTILIZERS

Features

- 100% water-soluble.
- Has a high concentration content.
- Delivers high effectiveness with a low dose.



Seed Treatment



Fertigation



Foliar Application



1 Kg | 5 Kg



Enriched with chelated microelements, it is an innovative and versatile plant nutrient that promotes growth, protects the plant against stress, and improves soil structure thanks to its organic-based amino acid and sulfur content.

COMPOSITION	%	w/w
Organic Matter		24
Boron (B) Soluble in Water		0,03
Cobalt (Co) Soluble in Water		0,04
Copper (Cu) Soluble in Water		0,05
Manganese (Mn) Soluble in Water		0,04
Molybdenum (Mo) Soluble in Water		0,003
Zinc (Zn) Soluble in Water		0,05
Total Humic Acid + Fulvic Acid		75

SEED TREATMENT	FOLIAR APPLICATION	FERTIGATION
100 g/Ton	100 g/da	100 g/da

FerroActiv H4.8

IRON CHELATE - EDDHA

Features

- Provides maximum effectiveness with GS and GD technology.
- Delivers rapid action with a high ortho-ortho ratio.
- 100% water-soluble and leaves no residue.



Fertigation



5 Kg



25 Kg



FerroActiv H4.8 is a 100% water-soluble fertilizer formulated with GS and GD technology, providing iron in a fully accessible form for plants. The iron it contains is chemically bound with a chelating agent, offering maximum protection and availability for all plants.

Thanks to its high ortho-ortho isomer content, it guarantees iron uptake by plants even under the most challenging conditions.

COMPOSITION	%	w/w
Iron(Fe) Water Soluble		6
Iron (Fe) Chelated with EDTA		5,1
Iron (Fe) Chelated with orto-orto EDTA		4,8
Iron (Fe) Chelated with orto-para EDTA		0,3

CROPS	
Fruit and Citrus Trees	
In seedling cultivation	3-5 g/tree
At seedling planting	5-15 g/tree
Young trees	15-25 g/tree
Trees in production	25-50 g/tree
Old trees and trees suffering from iron deficiency	50-100 g/tree
Grapevines	
Young vineyards	10-25 g/tree
Vineyards in production	3-5 g/tree
Old vineyards and vineyards suffering from iron deficiency	5-10 g/tree
Vegetable Crops and Cut Flowers	
At the beginning of seasonal growth	1-2 g/m ²
At full growth	2-5 g/m ²



Tyson

LIQUID ORGANIC FERTILIZERS CONTAINING PLANT-BASED AMINO ACIDS

Features

- Increases nutrient availability and stimulates microbial activity.
- Enhances photosynthesis, accelerates plant metabolism, and supports root development.
- When applied directly to leaves, it promotes plant growth and increases resistance to stress factors.



Fertigation



Foliar Application



1 LT



5 LT | 20 LT



Tyson is obtained through the enzymatic hydrolysis of the biomass of the Fabaceae family. The special extraction method used ensures that the product components are not denatured and preserves a high concentration of active compounds. Being rich in short-chain nitrogen proteins, Tyson is easily absorbed. Free L-amino acids improve and catalyze photosynthesis in plants, resulting in greater translocation of metabolites to the fruits. When applied directly to leaves, Tyson promotes plant growth and increases resistance to biotic and abiotic factors; through fertigation, it activates the bacterial flora in the soil. Its application is recommended throughout the plant's life cycle.

COMPOSITION	%	w/w
Organic Matter		35
Organic Carbon (C)		19
Organic Nitrogen (N)		3,5
Free Amino Acids		13
pH		4-6

CROPS	FOLIAR APPLICATION	SOIL APPLICATION
Cereals, Field Crops, Vegetables, Pome Fruits, Stone Fruits, Citrus, Olive Trees	300-400 ml/da	0,5 - 1 L/da



Tonical

NITROGENOUS ORGANO-MINERAL LIQUID FERTILIZERS

Features

- Prevents the appearance of calcium deficiency symptoms in the plant.
- Strengthens cell walls in the fruit.
- Extends shelf life.



Fertigation



Foliar Application



1 LT



5 LT | 20 LT



Tonical is a biostimulant nutrient complex activated with calcium, containing amino acids and peptides derived from the brown seaweed *Ecklonia maxima*. Its special organic formulation transports calcium to the cell membrane, increasing the speed and efficiency of assimilation. Calcium plays a vital role in thickening and strengthening cell walls as well as in fruit setting. Tonical applications from fruit set until just before harvest improve the texture, organoleptic qualities, and shelf life of the produce. In the final product, Tonical prevents calcium deficiency-related disorders such as blossom-end rot, fruit cracking, and leaf scorch.

COMPOSITION	%	w/w
Organic Matter		26
Total Nitrogen (N)		8
Organic Nitrogen (N)		3,5
Nitrate Nitrogen N (N-NO ₃)		4,5
Calcium Oxide (CaO) Soluble in Water		8
Free Amino Acids		15
Maximum Chlorine (Cl)		1
pH		5-7

CROPS	FOLIAR APPLICATION	FERTIGATION
Cereals, Forage Crops	300-400 ml/da	-
Horticultural Crops	400-500 ml/da	0,5 - 1 lt/da
Field Crops, Vegetables, Ornamental Plants	300-400 ml/da	0,5 - 1 lt/da



Megaflor Mix

MIXTURE OF MICROPLANT NUTRIENTS

Features

- Prevents and corrects physiopathies caused by microelement deficiencies in plants.
- Promotes photosynthesis and enhances natural defense.
- Improves fruit qualities such as quality, freshness, and shelf life.



Fertigation



Foliar Application



1 Kg | 2 Kg



Megaflor Mix is a highly soluble blend of microelements recommended for preventing and correcting nutrient deficiencies in plants. Since effectively managing microelement deficiencies is crucial, these elements play a vital role in the regular development of plants and fruit set. The chelation process protects the metal ion within the microelement while enhancing uptake through roots and leaves during soil or foliar applications.

The high levels of manganese and zinc give Megaflor Mix its distinctive nutritional properties. Manganese acts as a catalyst in the synthesis cycle of enzymes involved in chlorophyll production, while zinc is an essential microelement for controlling hormonal balance and auxin levels in the plant. The use of Megaflor Mix is approved for organic farming.

COMPOSITION	%	w/w
Boron (B) Soluble in Water		2
Copper (Cu) Soluble in Water		1
Iron (Fe) Soluble in Water		2
Manganese (Mn) Soluble in Water		13
Zinc (Zn) Soluble in Water		8

CROPS	FOLIAR APPLICATION	FERTIGATION
Cereals, Ornamental Plants, Forage Crops, Horticultural Crops, Field Crops, Vegetables	100 - 300 g/L	300 - 500 g/da

Zulema

RESISTANCE REGULATORS

Features

- Improves rhizosphere conditions.
- Nourishes the microbiota and mobilizes phosphorus and microelements.
- Does not cause toxicity and leaves no residues in crops.
- Has an insect-attracting property.



Fertigation



Foliar Application



1 LT



5 LT | 20 LT

Zulema is a special soil conditioner containing biologically digested sulfur. This formulation is obtained by converting mineral sulfur into a plant-available molecular structure through the action of 'Thiobacillus' bacteria. In soil applications, it activates nutrients, rapidly improves soil conditions, and ensures better and continuous nutrient availability.

Although Zulema's primary function is as a soil conditioner, it can also be safely used in foliar applications mixed with other products. When applied to leaves, it quickly penetrates plant tissues and shows high resistance to washing. In addition, it creates a favorable environment for the colonization and development of natural symbiotic microorganisms in the soil, thereby supporting plant health. Unlike other products, Zulema does not leave stains on plant tissues, is non-phytotoxic, and leaves no residues.



COMPOSITION	%	w/w
Sulphur Trioxide (SO ₃) Soluble in Water		40

CROPS	FOLIAR APPLICATION	FERTIGATION
Cereals, Vineyards, Vegetables	350 - 450 mL/da	1-2 L/da
Ornamental Plants	250 - 400 mL/da	
Horticultural Crops	300 - 400 mL/da	
Forage Crops, Field Crops	400 - 500 mL/da	

Bos

RESISTANCE REGULATORS

Features

- Enhances the plant's defense mechanism against insects.
- Promotes healthier growth.
- Provides a glossy fruit surface.

 Foliar Application

 1 LT

 5 LT | 20 LT

Bos is a plant-based formulation containing polyunsaturated fatty acids that activate the plant's defense mechanisms. Acting effectively in the interactions between plants and harmful organisms, Bos represents a valid solution to reduce the resistance of pathogens against synthesis molecules. Plants treated with Bos appear healthier and produce fruits with a glossy surface.

In addition to being a residue-free product included in integrated pest management programs, it allows for the reduction of active ingredients and stands out for its suitability in increasingly sustainable agricultural practices. Even at high doses, Bos does not cause phytotoxic effects on plants and can be used throughout the year whenever needed.



COMPOSITION	%	w/w
Vegetable Oil Suspended in Water		%48
CROPS		SEED SOWING
Ornamental Plants, Forage Crops, Horticultural Crops, Field Crops, Vegetables		0.5 - 1L/da

Base Fertilizers

Base fertilizers are the primary source of nutrients that ensure a strong start for plants. Palmira Agro's high-quality base fertilizers are applied to the soil before sowing, supporting root development and laying the foundation for healthy and productive growth. When applied at the right time with the right composition, Palmira Agro fertilizers enhance the soil's potential and provide the plant with all the essential nutrients it needs from the very beginning.



Battiria

GRANULAR FERTILIZERS

Features

- Produced with MAS technology.
- Restores, regulates, and optimizes the soil's natural microbial activity.
- Increases nutrient availability.
- Maximizes the crop's yield potential.
- Enhances tolerance to salt stress and strengthens the plant's self-defense.



Mechanical Application



25 Kg



The Battiria series includes granular fertilizers biologically activated with innovative MAS technology and coated with natural bioactive molecules that benefit the soil microflora. The coating of the granule enhances the efficiency and sustainability of the fertilizer while promoting the regeneration of the soil's microbial population.

Mugavero's goal is to reduce the use of chemical fertilizers by increasing efficiency while ensuring equal or even higher yields, contributing to greater sustainability.

COMPOSITION	%	PRIMUS	SEMPER
Total Nitrogen (N)		16	15
Ammonium Nitrogen N (N-NH ₄)		16	10
Urea Nitrogen N (N-NH ₂)		-	5
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		20	9
Sulphur Trioxide (SO ₃) Soluble in Water		28	-
Potassium Oxide (K ₂ O) Soluble in Water		-	15
Iron (Fe) Soluble in Water		2	1

CROPS		
Field Crops, Greenhouse and Open-Field Vegetables.	15-20 kg/da	10-20 kg/da
Industrial Crops	15-20 kg/da	10-25 kg/da
Legumes	5-10 kg/da	-
Horticultural Crops	-	10-25 kg/da

Midotec

NITROGEN INHIBITOR FERTILIZERS [DMPP]

Features

- Produced with the DMPP nitrification inhibitor.
- Reduces nitrogen losses caused by leaching.
- Increases nitrogen availability.
- Provides gradual and long-lasting nutrient supply.



Mechanical Application



Slow Release



25 Kg

The Midotec series consists of slow-release granular fertilizers containing the nitrification inhibitor 3,4 DMPP. This inhibitor slows down the conversion of ammonium nitrogen to nitric nitrogen for 8–12 weeks, allowing nitrogen to remain in the soil for a longer period. Ammonium nitrogen creates an acidic environment in the lower soil layers, supporting root development and mineral uptake. Midotec fertilizers increase yield and quality with fewer applications. They are suitable for all plant species and comply with European regulations thanks to their environmentally friendly composition.



COMPOSITION	%	25-15-0	13-13-20 +(37 SO ₃)	15-28-0 +(2MgO)+(7SO ₃)+TE	21-13-8 +(30 SO ₃)
Total Nitrogen (N)		25	13	15	21
Ammonium Nitrogen N (N-NH ₄)		16	13	15	13,5
Urea Nitrogen N (N-NH ₂)		9	-	-	7,5
Ammonium Inhibitor (DMPP)		0,8	0,8	0,8	0,8
Total Phosphorus Pentoxide (P ₂ O ₅)		15	13	28	13
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate and Water		15	13	28	13
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		15	13	28	13
Magnesium Oxide (MgO) Soluble in Water		-	-	2	-
Potassium Oxide (K ₂ O) Soluble in Water		-	20	-	8
Sulphur Trioxide (SO ₃) Soluble in Water		-	37	7	30
Iron (Fe) Soluble in Water		-	-	2	-

CROPS	MECHANICAL APPLICATION	
Citrus	70-80 kg/da	70-80 kg/da
Stone Fruits	40-50 kg/da	2-4 kg/tree
Pome Fruits	30-40 kg/da	2-4 kg/tree
Vineyards	30-40 kg/da	35-45 kg/da
Olive Trees	40-50 kg/da	2-4 kg/tree
Field Crops	30-50 kg/da	25-35 kg/da
Greenhouse and Open-Field Vegetables	70-80 kg/da	25-35 kg/da
Industrial Crops	40-50 kg/da	25-35 kg/da
Green Areas and Cut Flowers	70-80 kg/da	15-25 kg/da

Complestal Bio

ORGANO-MINERAL FERTILIZERS

Features

- Has an acidifying effect on the soil.
- Improves soil structure.
- Promotes the growth and activity of microorganisms.



Mechanical Application



25 Kg



Complestal Bio is an organo-mineral fertilizer approved for use in organic farming, containing nitrogen, phosphorus, potassium, and a high level of calcium. It stands out with its homogeneous structure, low moisture content, and stability. The organic carbon content enhances soil fertility, improves its structure, and supports microbial activity.

The nitrogen derived from meat meal reaches the plant efficiently through slow release without losses, while the phosphorus from bone meal provides long-lasting effects. Thanks to mineral potassium sulfate, sugar accumulation and fruit coloring are enhanced; meanwhile, the high sulfur content slightly acidifies the soil, increasing nutrient availability. It is suitable for both base and top fertilization.

COMPOSITION	%	w/w
Total Nitrogen (N)		4
Organic Nitrogen (N)		4
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		8
Potassium Oxide (K ₂ O) Soluble in Water		12
Calcium Oxide (CaO) Soluble in Water		10
Sulphur Trioxide (SO ₃) Soluble in Water		12
Organic Carbon (C)		22

CROPS	MECHANICAL APPLICATION
Cut Flowers, Industrial Crops, Fruits	60-80 kg/da
Forage Crops	40-60 kg/da
Horticultural Crops, Field Crops	80-100 kg/da

Midotec Gold

NITROGEN INHIBITOR FERTILIZERS

Features

- Reduces nitrogen losses.
- Provides rapid effect.
- Has high solubility in crystalline form.
- Enhances nutrient uptake through its low pH effect.



Mechanical Application



Slow Release



25 Kg



Midotec Gold is a complex granular fertilizer containing slow-release nitrogen based on IBDU (Isobutylidene Diurea). The urea nitrogen is gradually released through hydrolysis, independently of microbial activity and soil temperature. This provides a rapid effect during the initial growth phase of the plant while ensuring balanced nutrient support in the subsequent development stages.

The sulfur content creates an acidifying effect in the soil, enhancing nutrient uptake, while magnesium and iron give the plant a vibrant green color and high productivity. Midotec Gold is ideal for both base and top fertilization.

COMPOSITION	%	w/w
Total Nitrogen (N)		15
Ammonium Nitrogen N (N-NH ₄)		8
Nitrate Nitrogen N (N-NO ₃)		4,5
Urea Nitrogen N (N-NH ₂)		2,5
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate and Water		9
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		8,5
Potassium Oxide (K ₂ O) Soluble in Water		15
Magnesium Oxide (MgO) Soluble in Water		2
Sulphur Trioxide (SO ₃) Soluble in Water		17
Iron (Fe) Soluble in Water		2

CROPS	MECHANICAL APPLICATION
Citrus	70-80 kg/da
Stone Fruits	40-50 kg/da
Pome Fruits	30-40 kg/da
Vineyards	30-40 kg/da
Olives	40-50 kg/da
Field Crops	30-50 kg/da
Greenhouse and Open-Field	70-80 kg/da
Vegetables	40-50 kg/da
Industrial Crops	70-80 kg/da



Complestal

NPK FERTILIZER BLENDED – CONTAINING CALCINED PHOSPHATE

Features

- It is a source of calcium and potassium.
- Enhances quality and coloring.
- Facilitates nutrient uptake.



Mechanical Application



25 Kg



Complestal is a calcium-rich fertilizer with a highly homogeneous structure. Without breaking into small fragments, it maintains high stability over time due to its low moisture content. The high potassium source derived from potassium sulfate promotes sugar accumulation and fruit coloring, thereby improving production quality.

Thanks to its high sulfur content, Complestal applies a moderate and gradual acidifying effect to the soil, enhancing the availability of nutrients that are otherwise blocked by soil colloids. Complestal is suitable for both base and top fertilization.

COMPOSITION	%	w/w
Total Nitrogen (N)		4
Urea Nitrogen N (N-NH ₂)		4
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Alkaline Ammonium Citrate		8
Potassium Oxide (K ₂ O) Soluble in Water		12
Calcium Oxide (CaO) Soluble in Water		10
Sulphur Trioxide (SO ₃) Soluble in Water		37

CROPS	MECHANICAL APPLICATION
Cut Flowers, Industrial Crops, Fruits	60-80 kg/da
Field Crops, Forage Crops	40-60 kg/da
Horticultural Crops	80-100 kg/da



Magicolor

GRANULAR FERTILIZERS

Features

- It is suitable for chlorine-sensitive cultivations.
- It is rich in microelements.
- It helps obtain greener plants.



Mechanical Application



25 Kg



Magicolor consists of highly soluble, complex granular fertilizers that can also be used in chlorine-sensitive cultivations. Containing microelements (iron, manganese, and zinc), these products promote greener plants and an overall improvement in production quality. Magicolor has a good sulfur content and low pH values, which enhance the availability of nutrients that are less mobile in the soil. Thanks to the homogeneity of its granules, Magicolor can also be easily applied in a localized manner. This feature makes Magicolor particularly suitable for basal and top fertilization in horticultural crops.

COMPOSITION	%	w/w
Total Nitrogen (N)		13
Ammonium Nitrogen N (N-NH ₄)		13
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Alkaline Ammonium Citrate		16
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		15
Potassium Oxide (K ₂ O) Soluble in Water		8
Sulphur Trioxide (SO ₃) Soluble in Water		25
Iron (Fe)		2,5

CROPS	MECHANICAL APPLICATION
Citrus, Greenhouse and Open-Field Vegetables, Green Areas and Cut Flowers	70-80 kg/da
Pome Fruits, Vineyards	30-40 kg/da
Stone Fruits, Olive, Industrial Crops	40-50 kg/da
Field Crops	30-50 kg/da

Mido Blu

GRANULAR FERTILIZERS

Features

- It is suitable for all types of cultivation.
- It provides a balanced source of primary nutrients.
- It improves the uptake of magnesium and sulfur.



Mechanical Application



25 Kg

Mido Blu contains special granular fertilizers developed for basal and top fertilization in all types of cultivation. Its granules are characterized by a homogeneous structure, high solubility, and low pH values. It increases the availability of nutrients in the soil, prevents deficiencies and physiopathies, and improves product quality.



COMPOSITION	%	w/w
Total Nitrogen (N)		12
Ammonium Nitrogen N (N-NH ₄)		12
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Alkaline Ammonium Citrate		12
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		11
Potassium Oxide (K ₂ O) Soluble in Water		17
Magnesium Oxide (MgO) Soluble in Water		2
Sulphur Trioxide (SO ₃) Soluble in Water		37
CROPS	MECHANICAL APPLICATION	
Ornamental Plants	20-40 kg/da	
Horticultural Crops,Field Crops	40-60 kg/da	
Vegetables	40-80 kg/da	

Slow Release Fertilizers

Palmira Agro's slow-release fertilizers enhance productivity by providing the nutrients required by the plant in a balanced and controlled manner throughout its growth cycle. Supported by special coating and inhibitor technologies, these products minimize nutrient losses while maintaining long-lasting effects in the soil. They reduce the need for frequent fertilization, are environmentally friendly, and are reliably preferred in sustainable agricultural practices.



PALSlow 46

EC FERTILIZER - UREA (WITH UREASE INHIBITOR) - [NBPT]

Features

- It has a high nitrogen content (46%).
- It provides long-lasting effect through slow release.
- It is an economical and effective source of nitrogen.

 Mechanical Application

 Slow Release

 25 Kg

It is a fertilizer containing slow-release nitrogen, enhanced with an NBPT inhibitor. In its stabilized urea form, this product ensures that nitrogen remains in the soil for a longer period, reducing volatilization losses and increasing nitrogen use efficiency.



COMPOSITION	%	w/w
Total Urea Nitrogen (N)		46
Urea Nitrogen with NBPT Inhibitor (N-NH ₂)		46
Urease Inhibitor (NBPT)		0,069

CROPS	SOIL APPLICATION
Field Crops, Vegetables, Horticultural Crops	5-20 kg/da

PALSlow 21

NITROGEN INHIBITOR FERTILIZERS [DMPP]

Features

- It reduces nitrogen losses.
- It prolongs nitrogen efficiency.
- It lowers labor and costs.

 Mechanical Application

 Slow Release

 25 Kg

It is a fertilizer containing slow-release nitrogen, enhanced with a DMPP inhibitor. It ensures that nitrogen can be utilized by the plant for a longer period. It minimizes nitrogen losses caused by leaching and volatilization.



COMPOSITION	%	w/w
Total Nitrogen (N)		21
Ammonium Nitrogen N (N-NH ₄)		21
Ammonium Inhibitor (DMPP)		0,8

CROPS	SOIL APPLICATION
Field Crops, Vegetables, Horticultural Crops	10-25 kg/da

PALSlow 21 CRYSTAL

NITROGEN INHIBITOR FERTILIZERS [DMPP]

Features

- It reduces nitrogen losses.
- It provides a fast effect.
- It has high solubility in crystalline form.
- It increases nutrient uptake with its low pH effect.



Fertigation



Slow Release



25 Kg

It is a fertilizer containing slow-release nitrogen, enhanced with a DMPP inhibitor. It ensures longer nitrogen utilization by the plant. It minimizes nitrogen losses caused by leaching and volatilization.



COMPOSITION	%	w/w
Total Nitrogen (N)		21
Ammonium Nitrogen N (N-NH ₄)		21
Ammonium Inhibitor (DMPP)		0,8

CROPS	SOIL APPLICATION
Horticultural Crops, Vegetables, Field Crops, Greenhouse Vegetables	3-5 kg/da

Ennnè 21

NITROGEN INHIBITOR FERTILIZERS [DMPP]

Features

- It contains the 3,4 DMPP nitrification inhibitor.
- It reduces nitrogen losses caused by leaching.
- It increases nitrogen availability.
- It has an acidifying effect.



Fertigation



Slow Release



25 Kg



Ennnè is suitable for fertigation applications in all types of plants, lawns, and fruit seedlings. It consists of slow-release fertilizers containing 3,4-DMPP (3,4-Dimethylpyrazole Phosphate). This inhibitor significantly reduces nitrogen losses caused by volatilization, nitrate leaching, and leaf burn by extending the nitrification process. To prevent caking, it is processed using a special moisture-absorption method developed by Mugavero. It stands out with high homogeneity, high solubility, and the absence of chlorine and sodium.

COMPOSITION	%	w/w
Total Nitrogen (N)		21
Ammonium Nitrogen N (N-NH ₄)		21
Ammonium Inhibitor (DMPP)		0,8

CROPS	FERTIGATION
Field Crops, Vegetables, Horticultural Crops	10-25 kg/da

Mirea 34S

UREA AMMONIUM SULFATE – WITH UREASE INHIBITOR [NBPT]

Features

- It is produced with DOS-P® technology.
- It minimizes nitrogen losses caused by volatilization.
- It reduces nitrogen losses caused by leaching.
- It increases nitrogen availability.
- It provides gradual and long-lasting nutrient supply.



Mechanical Application



Slow Release



25 Kg



Thanks to its innovative DOS-P® technology, Mirea reduces nitrogen losses from volatilization (ammonia) and leaching (nitrate) by more than 50%. This dual-inhibitor technology blocks the urease enzyme to prevent ammonia formation and suppresses *Nitrosomonas* bacteria to limit nitrate formation. In this way, it prevents excessive nitrogen availability at unsuitable times and avoids losses caused by leaching. Mirea increases the efficiency of nitrogen fertilization and boosts yield without affecting production costs. With its volatility-preventing structure, it can also be safely applied before rainfall. In addition, it is environmentally friendly and compliant with European regulations.

COMPOSITION	%	w/w
Total Nitrogen (N)		34
Ammonium Nitrogen N (N-NH ₄)		11
Urea Nitrogen N (N-NH ₂)		23
Urease Inhibitor (NBPT)		0,05
Sulphur Trioxide (SO ₃) Soluble in Water		30

CROPS	SOIL APPLICATION
Cereals, Forage Crops, Cut Flowers, Horticultural Crops, Field Crops, Vegetables	10-30 kg/da

Water Soluble NPK Fertilizers

Water-soluble NPK fertilizers are special formulations that meet the nitrogen (N), phosphorus (P), and potassium (K) needs of plants in a balanced way. Palmira Agro's products support plant growth by providing the appropriate nutrient balance for each phenological stage, increasing yield and product quality. They stand out with high solubility, fast effect, and chelated microelement content that ensures maximum absorption.





Mugasol

BLENDEN NPK FERTILIZER

Features

- It is free from chlorides.
- It is enriched with microelements.
- It provides complete and fast solubility.
- It meets macro and micro nutrient requirements.



Fertigation



25 Kg



The Mugasol series includes products characterized by complete and instant solubility, free of chlorides, and with rapid dissolution in water. Mugasol products are suitable for fertigation in plantations sensitive to chlorine or salinity, such as vineyards, onions, and tobacco. The amount of EDTA-chelated microelements meets the nutritional needs of all types of cultivation.

The Mugasol series is processed using a special moisture removal treatment in a controlled atmospheric environment developed by Mugavero to prevent caking problems.

COMPOSITION	%	3-5-40	13-40-13	16-8-24	18-18-18	20-10-20	20-20-20	15-30-15
Total Nitrogen (N)		3	13	16	18	20	20	15
Nitrate Nitrogen N (N-NO ₃)		2	4	9	10	6	6	4
Ammonium Nitrogen N (N-NH ₄)		1	9	7	8	5	4	8.5
Urea Nitrogen N (N-NH ₂)		-	-	-	-	9	10	2.5
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		5	40	8	18	10	20	30
Potassium Oxide (K ₂ O) Soluble in Water		40	13	24	18	20	20	15
Magnesium Oxide (MgO) Soluble in Water		2	-	2	2	2	2	-
Sulphur Trioxide (SO ₃) Soluble in Water		-	-	10	-	10	-	7
Boron (B) Soluble in Water		0,01	0,01	0,01	0,01	0,01	0,01	0,01
Copper (Cu) Soluble in Water		0,01	0,01	0,01	0,01	0,01	0,01	0,01
Iron (Fe) Soluble in Water		0,03	0,03	0,03	0,03	0,03	0,03	0,03
Manganese (Mn) Chelated with EDTA		0,02	0,02	0,02	0,02	0,02	0,02	0,02
Zinc (Zn) Chelated with EDTA		0,01	0,01	0,01	0,01	0,01	0,01	0,01

CROPS	FERTIGATION
Ornamental Plants, Field Crops, Horticultural Crops, Vegetables	2,5-5 kg/da

Niger

NPK FERTILIZER BLENDED

Features

- It contains humic and fulvic acids and is free of chlorine.
- It meets macro and micro nutrient requirements and enhances the moisturizing power of the rhizosphere.
- It promotes root system development and increases yield.
- It influences coloration and size.



Fertigation



Foliar Application



10 Kg



The Niger series consists of low-pH, fully water-soluble complex fertilizers containing humic and fulvic acids along with microelements. Even at low doses, they deliver high efficiency; by enhancing the plant's metabolic activities, they positively influence both quality and yield. Distinguished by high homogeneity and solubility, this series offers complete and high-performance plant nutrition.

Niger 500 is used during the vegetative stage and in periods of high nitrogen demand.

Niger 600 provides balanced macro and microelement support throughout the entire production cycle.

Niger 650 is suitable for root development after transplanting and for early vegetative stages.

Niger 700 is preferred for high potassium requirements during fruit enlargement and ripening stages.

COMPOSITION	%	500 21-7-14+TE	600 18-18-18+TE	650 11-49-6+TE	700 9-15-33+TE
Total Nitrogen (N)		21	18	11	9
Nitrate Nitrogen N (N-NO ₃)		4	5	2	6
Ammonium Nitrogen N (N-NH ₄)		10	6	9	3
Urea Nitrogen N (N-NH ₂)		7	7	-	-
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		7	18	49	15
Potassium Oxide (K ₂ O) Soluble in Water		14	18	6	33
Boron (B) Soluble in Water		0,01	0,01	0,01	0,01
Copper (Cu) Chelated with EDTA		0,01	0,01	0,01	0,01
Iron (Fe) Chelated with EDTA		0,03	0,03	0,03	0,03
Manganese (Mn) Chelated with EDTA		0,10	0,10	0,10	0,10
Zinc (Zn) Chelated with EDTA		0,10	0,10	0,10	0,10

CROPS	FERTIGATION	FOLIAR APPLICATION
Ornamental Plants, Horticultural Crops, Field Crops, Vegetables	2-3 kg/da	200-300 g/da



Idroplant

NPK FERTILIZER BLENDED

Features

- It does not contain urea.
- It is suitable for alkaline soils.
- It is suitable for chlorine-sensitive cultivations.



Fertigation



25 Kg



Idroplant offers fast water-soluble products enriched with EDTA-chelated microelements, free from urea nitrogen and chlorides. Thanks to this special formulation, it ensures proper acidification of the rhizosphere in both alkaline and non-alkaline soils, meeting the nutritional needs of all types of cultivation.

The Idroplant series is processed using a special moisture removal treatment in a controlled atmospheric environment developed by Mugavero to prevent caking problems.

COMPOSITION	%	13-40-13	16-8-24	20-10-20	18-18-18
Total Nitrogen (N)		13	16	20	18
Nitrate Nitrogen N (N-NO ₃)		4	9	6	10
Ammonium Nitrogen N (N-NH ₄)		9	7	5	8
Urea Nitrogen N (N-NH ₂)		-	-	9	-
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate and Water		40	8	10	18
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		40	8	10	18
Potassium Oxide (K ₂ O) Soluble in Water		13	24	20	18
Magnesium Oxide (MgO) Soluble in Water		-	2	2	2
Sulphur Trioxide (SO ₃) Soluble in Water		-	10	10	-
Boron (B) Soluble in Water		0,01	0,01	0,01	0,01
Copper (Cu) Chelated with EDTA		0,01	0,01	0,01	0,01
Iron (Fe) Chelated with EDTA		0,03	0,03	0,03	0,03
Manganese (Mn) Chelated with EDTA		0,02	0,02	0,02	0,02
Zinc (Zn) Chelated with EDTA		0,01	0,01	0,01	0,01

CROPS	FERTIGATION			
	1-2 kg/da	-	-	1-2 kg/da
Cereals	1-2 kg/da	-	-	1-2 kg/da
Cut Flowers, Field Crops, Forage Crops, Vegetables	1-3 kg/da	1-3 kg/da	1-3 kg/da	1-3 kg/da
Horticultural Crops	1-2 kg/da	1-2 kg/da	1-2 kg/da	1-2 kg/da

Water Soluble Straight Fertilizers

Water-soluble straight fertilizers are solutions that ensure the rapid and effective uptake of nutrients required by plants. Formulated with high purity, these fertilizers can be easily applied through irrigation systems and provide balanced nutrition suitable for the growth stages of plants. Thanks to their fast solubility, nutrients quickly reach the plant roots, thereby increasing yield and improving product quality. With their durable structure and effective content, Palmira Agro's water-soluble straight fertilizers stand out as a reliable and efficient choice in agriculture.





NOPalmira

EC FERTILIZER - NK FERTILIZER

Features

- It supports color and aroma development.
- It has a low salt content.
- It provides quality and durability in fruits.



Fertigation



Foliar Application



25 Kg

It provides plants with both potassium and nitrate sources. It particularly enhances quality parameters such as fruit set, coloration, taste, and durability. It has a low salinity risk and is rapidly absorbed.



COMPOSITION	%	w/w
Total Nitrogen (N)		13
Nitrate Nitrogen N (N-NO ₃)		13
Potassium Oxide (K ₂ O) Soluble in Water		46

CROPS	FOLIAR APPLICATION	FERTIGATION
Vegetables, Horticultural Crops, Vineyards, Citrus, GreenhouseVegetables	300-400 g/100 L	2-4 kg/da



MAPalmira

EC FERTILIZER - NP FERTILIZER

Features

- It accelerates rooting.
- It is ideal for early development.
- It activates soil phosphorus with its low pH.



Fertigation



Foliar Application



25 Kg



It is a fully water-soluble source of phosphorus that supports strong root development and vegetative growth in plants. It is suitable for drip irrigation and foliar applications. By providing rapid phosphorus support to plants during the early growth stage, it increases yield.

COMPOSITION	%	w/w
Total Nitrogen (N)		12
Ammonium Nitrogen N (N-NH ₄)		12
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate and Water		61
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		61

CROPS	FOLIAR APPLICATION	FERTIGATION
Seedlings, Vegetables, Horticultural Crops, Vineyards, Field Crops	200-300 g/100 L	2-4 kg/da



MKPalmira

EC FERTILIZER - PK FERTILIZER

Features

- It supports flowering and fruit set.
- It has a low EC value.
- It ensures safe application under hot summer conditions.



Fertigation



Foliar Application



25 Kg



It is a fully water-soluble fertilizer that supports flowering and fruit set in plants. Since it does not contain nitrogen, it is ideal especially during periods when excess nitrogen is undesirable. It is suitable for drip irrigation and foliar applications, supports healthy plant growth, and increases yield.

COMPOSITION	%	w/w
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate and Water		52
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		52
Potassium Oxide (K ₂ O) Soluble in Water		34

CROPS	FOLIAR APPLICATION	FERTIGATION
Vegetables, Greenhouse Vegetables, Vineyards, Citrus, Cut Flowers	250-300 g/100 L	2-3 kg/da



UPalmira

EC FERTILIZER - NP FERTILIZER

Features

- It increases phosphorus solubility in the soil.
- It is in a highly plant-available form.
- It is suitable for calcareous soils.



Fertigation



Foliar Application



25 Kg



It is a fully water-soluble fertilizer with a high content of nitrogen and phosphorus. It promotes root development, supports early-stage growth, and enhances phosphorus uptake in plants. It is particularly suitable for drip irrigation and foliar applications.

COMPOSITION	%	w/w
Total Nitrogen (N)		18
Urea Nitrogen N (N-NH ₂)		18
Phosphorus Pentoxide (P ₂ O ₅) Soluble in Neutral Ammonium Citrate and Water		44
Phosphorous Pentoxide (P ₂ O ₅) Soluble in Water		44

CROPS	FOLIAR APPLICATION	FERTIGATION
Vegetables, Greenhouse Vegetables, Vineyards, Citrus, Cut Flowers	250-300 g/100 L	2-4 kg/da



SOPalmira

EC FERTILIZER - POTASSIUM SULFATE FERTILIZER

Features

- It is chloride-free.
- It supports resistance against stress.
- It enhances fruit quality and aroma.



Fertigation



Foliar Application



25 Kg



With a 50% potassium content, it is a high-quality, chloride-free fertilizer. It enhances yield and quality in plants while strengthening resistance to stress conditions. It is especially ideal for crops with high sensitivity to chlorine and is suitable for drip irrigation, foliar applications, and top-dressing.

COMPOSITION	%	w/w
Potassium Oxide (K ₂ O) Soluble in Water		50
CROPS		FERTIGATION
Cut Flowers, Forage Crops, Horticultural Crops, Field Crops, Vegetables		2-5 kg/da



CNPalmira

EC FERTILIZER - CALCIUM NITRATE FERTILIZER

Features

- It increases fruit firmness and shelf life.
- It strengthens cell structure.
- It promotes root development.



Fertigation



Foliar Application



25 Kg



It is a water-soluble fertilizer containing nitrogen and calcium. Nitrogen supports the development of vegetative growth, while calcium strengthens cell walls and prevents problems such as fruit cracking and blossom-end rot. This fertilizer is particularly used in fruit cultivation, greenhouse production, and in plants experiencing calcium deficiency. It supports rapid growth and healthy plant development.

COMPOSITION	%	w/w
Total Nitrogen (N)		15.5
Nitrate Nitrogen N (N-NO ₃)		14.4
Ammonium Nitrogen N (N-NH ₄)		1.1
Additional Declaration:		
Calcium Oxide (CaO) Soluble in Water		26

CROPS	FOLIAR APPLICATION	FERTIGATION
Vegetables, Horticultural Crops, Greenhouse Vegetables, Field Crops, Vineyards	200-400 g/100 L	2-4 kg/da



MgNPalmira

EC FERTILIZER - MAGNESIUM NITRATE

Features

- It supports photosynthesis and vegetative growth.
- It helps healthy development.
- It ensures rapid magnesium uptake.



Fertigation



Foliar Application



25 Kg

It is a water-soluble fertilizer containing nitrogen and magnesium. Nitrogen supports the development of vegetative growth, while magnesium, as a key component of chlorophyll, enhances photosynthesis, supports energy production, and ensures healthy plant growth. This fertilizer is particularly used in soils with magnesium deficiency, in vegetable and fruit cultivation, greenhouse production, and leafy crops.



COMPOSITION	%	w/w
Nitrate Nitrogen N (N-NO ₃)		10
Magnesium Oxide (MgO) Soluble in Water		14.7

CROPS	FOLIAR APPLICATION	FERTIGATION
Vegetables, Horticultural Crops, Greenhouse, Vegetables, Field Crops, Vineyards	200-300 g/100 L	1-3 kg/da



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