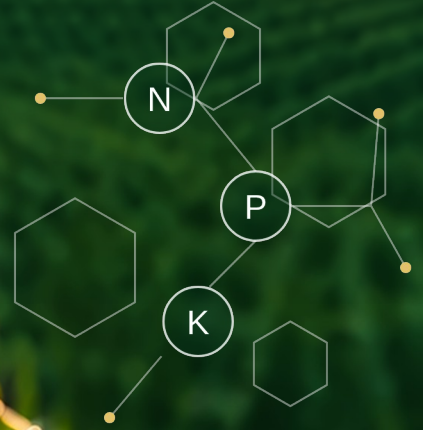


PRODUCT CATALOGUE 2026

NPK • NP • NK • SPECIALTY NUTRITION

BALANCED NUTRITION.
STRONGER HARVESTS.



HEALTHY SOIL
VIBRANT CROPS
BRIGHTER FUTURE

OUR PRODUCTION CAPACITY AND QUALITY COMMITMENT

Who we are

Greenforce Gübre A.Ş. is a fertilizer manufacturer based in Mersin, Türkiye, specializing in agricultural productivity and balanced plant nutrition. We develop granular NPK, NP and NK fertilizers enriched with micronutrients, suited to different soil types, climatic conditions and crop requirements.

Our production capacity

We are expanding our current monthly production capacity of **4,000 tonnes**, with the aim of increasing it to **8,000 tonnes**.

Our production line comprises the following stages: precision dosing, grinding, homogeneous mixing, mechanical granulation, screening, quality control and packaging.

Our product

Raw materials are carefully ground, precisely dosed and blended homogeneously. The mixture, prepared with a controlled moisture content, is formed into granules under high mechanical pressure. The pressure and the heat naturally generated during the process allow the raw materials to bond physically.

During screening, granules that are insufficiently compacted, fragile or outside specification are separated from the final product and returned to the production line. This process reduces raw-material losses while producing durable, even and homogeneous granules.

Production built on resource efficiency

No natural gas is used for process purposes in our production. Low water consumption is prioritized, while closed grinding and controlled screening systems are designed to reduce dust emissions. Returning off-specification granules to the production process also limits waste and raw-material losses.

Our quality commitment

In every production batch, we:

- Guarantee the declared nutrients in the appropriate proportions,
- Achieve a homogeneous nutrient distribution throughout the batch,
- Keep the final moisture at a level that adds no unnecessary weight to the product,
- Reach a granule crushing strength of approximately 50 N,
- Minimize the amount of broken granules and dust in the bags,
- Maintain a uniform and consistent granule size.

A note on responsible use

Even the richest fertilizer formulation may not deliver the expected results when applied to unsuitable soil, at the wrong time or in the wrong amount. We therefore recommend carrying out a soil analysis before choosing a fertilizer and using a formulation matched to the soil's nutrient deficiencies, the intended crop and the target yield.

Accurate analysis, the right formulation and correct application are the foundations of high yield and sustainable agriculture.

THE BASICS OF PLANT NUTRITION: N–P–K

Healthy plant development begins with supplying the right nutrient in a balanced way at the right growth stage. N–P–K are the three main macronutrients governing growth, rooting, flowering and yield formation.

Element	Nutrient sources used	Main function in the plant	Observed effect on the crop
N – Nitrogen	Urea $\text{CO}(\text{NH}_2)_2$ Ammonium sulfate $(\text{NH}_4)_2\text{SO}_4$ DAP $(\text{NH}_4)_2\text{HPO}_4$	Supports the formation of leaves, stems, shoots and proteins.	Rapid growth • Vigorous vegetative development • Dark green leaves • Tillering • High biomass
P_2O_5 – Phosphorus	DAP $(\text{NH}_4)_2\text{HPO}_4$ Rock phosphate $\text{Ca}_5(\text{PO}_4)_3\text{F}$	Supports root development, energy transfer, emergence vigour and early growth.	Strong rooting • Rapid emergence • Good establishment of seedlings • Early flowering • Balanced maturation
K_2O – Potassium	MOP KCl SOP K_2SO_4	Regulates water balance, sugar transport, yield development and resistance to environmental stress.	Large, well-filled produce • Intense colour • Good taste and aroma • Firm texture • Long shelf life • Drought resistance

Differences between nitrogen sources

Urea nitrogen: Provides a high nitrogen concentration and supports rapid vegetative growth.

Ammonium sulfate nitrogen: Supplies nitrogen together with the sulfur needed for protein production.

DAP nitrogen: Supplied with phosphorus, it particularly supports rooting and early development.

Differences between phosphorus sources

DAP phosphorus: Highly water-soluble and taken up by the plant more quickly.

Rock phosphate: Dissolves more slowly and provides long-lasting phosphorus supply, particularly in acidic soils.

Differences between potassium sources

MOP: An economical, highly concentrated potassium source suited to cereals and field crops.

SOP: Chloride-free; preferred for fruit, vegetables and chloride-sensitive crops to improve taste, colour and quality.

KEY NUTRIENTS BY GROWTH STAGE

Growth stage	Priority nutrients	Expected contribution
Before sowing and planting	$\text{P}_2\text{O}_5 + \text{N} + \text{K}_2\text{O}$	Vigorous establishment and balanced base fertilization
Rooting stage	$\text{P}_2\text{O}_5 + \text{Zn}$	Rapid root formation and vigorous development of young plants
Vegetative growth	$\text{N} + \text{S} + \text{MgO}$	Leaves, stems, chlorophyll and rapid growth
Before flowering	$\text{P}_2\text{O}_5 + \text{B} + \text{Zn}$	Flower formation, pollen development and fertilization
Fruit and grain formation	$\text{K}_2\text{O} + \text{CaO} + \text{MgO}$	Filling, colour, firmness and crop quality
Maturation stage	K_2O	Taste, aroma, sugar balance and shelf life

SECONDARY MACRONUTRIENTS AND MICRONUTRIENTS

While N–P–K forms the basis of plant nutrition, sulfur, magnesium, calcium and micronutrients help the plant use nutrients more efficiently, produce a quality crop and complete its various development processes.

SECONDARY MACRONUTRIENTS

Element	Nutrient sources used	Main function in the plant	Observed effect on the crop
S – Sulfur	Ammonium sulfate $(\text{NH}_4)_2\text{SO}_4$ Kieserite $\text{MgSO}_4 \cdot \text{H}_2\text{O}$ SOP K_2SO_4	Involved in the formation of proteins, amino acids, enzymes and oils, while supporting nitrogen utilization.	High protein content • Vigorous growth • Oil content • Taste and aroma • Efficient nitrogen use
SO_3 – Sulfur equivalent	Raw materials containing sulfates	Not a separate nutrient; it is the technical expression of total sulfur as SO_3 .	$\text{S} \times \text{approximately } 2.5 = \text{SO}_3$
MgO – Magnesium	Kieserite $\text{MgSO}_4 \cdot \text{H}_2\text{O}$ Dolomite $\text{CaMg}(\text{CO}_3)_2$	The central element of chlorophyll; it supports photosynthesis.	Dark green leaves • Intense photosynthesis • Sugar production • Balanced maturation
CaO – Calcium	Calcium carbonate CaCO_3 Dolomite $\text{CaMg}(\text{CO}_3)_2$ Rock phosphate	Supports the development of cell walls and young plant tissue.	Firm fruit • Strong stems • Even shape • Transport resistance • Long shelf life

MICRONUTRIENTS

Element	Nutrient source used	Main function in the plant	Observed effect on the crop
Zn – Zinc	Zinc sulfate monohydrate $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$	Involved in enzyme activity, growth hormones and the development of roots and shoots.	Vigorous roots • Healthy shoots • Tillering • Balanced leaf development • Grain formation
B – Boron	Borax $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$ or boric acid H_3BO_3	Involved in pollen development, flower fertilization, sugar transport and fruit set.	Vigorous flowering • High fruit set • Even shape • Sugar transport
Fe – Iron	Iron sulfate FeSO_4	Supports chlorophyll formation, respiration and enzyme systems.	Intensely green leaves • Reduced risk of yellowing • Efficient photosynthesis
Mn – Manganese	Manganese sulfate MnSO_4	Involved in photosynthesis, enzyme activity and nutrient metabolism.	Healthy leaves • Balanced growth • Intense photosynthesis
Cu – Copper	Copper sulfate $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	Supports enzyme activity, protein production and the strengthening of plant tissue.	Resilient plant tissue • Strong stems • Balanced growth
Mo – Molybdenum	Sodium molybdate $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	Helps the plant use nitrates and supports nitrogen fixation in legumes.	Efficient nitrogen use • Vigorous legume development • Protein formation

SPECIAL NUTRIENTS ADDED ACCORDING TO THE FORMULATION

- + **S**: Supports nitrogen utilization, protein production, oil content and crop aroma.
- + **MgO**: Strengthens leaf colour, chlorophyll formation and photosynthesis.
- + **CaO**: Supports plant tissue, firmness, shape and shelf life of the produce.
- + **Zn**: Contributes to rooting, tillering, shoot development and grain formation.
- + **B**: Supports flowering, fertilization, fruit set and even produce formation.
- + **ME**: Completes enzyme and metabolic activity through iron, manganese, copper, molybdenum and other micronutrients.

RIGHT NUTRIENT — RIGHT STAGE — HIGH CROP QUALITY

Every formulation is prepared according to the plant's growth stage, the soil structure and the targeted crop quality. The appropriate product and application rate must be determined based on soil analysis, the crop, the target yield, irrigation and climatic conditions.



NPK 15-15-15 + 7S

Balanced NPK fertilizer enriched with sulfur for versatile base fertilization

GUARANTEED ANALYSIS

N	15%
P ₂ O ₅	15%
K ₂ O	15%
S	7.08%
SO ₃	17.68%
MgO	0.40%
CaO	0.60%

PRODUCT CHARACTERISTICS

Its balanced nitrogen, phosphorus and potassium content is designed for base fertilization before sowing or transplanting. It supports rooting, vegetative growth, flowering and yield formation in a balanced way.

TECHNICAL PURPOSE OF THE FORMULATION

Equal N, P₂O₅ and K₂O levels provide balanced basic nutrition from sowing or transplanting onwards. Sulfur supports nitrogen utilization and protein formation, while MgO and CaO support chlorophyll and the development of young tissue.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 15%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 15%	Rooting, energy transfer, emergence vigour and seedling establishment
K ₂ O 15%	Water balance, plant resilience and yield formation
S 7.08%	Nitrogen utilization and formation of proteins, amino acids and enzymes
MgO 0.40%	Chlorophyll formation and photosynthesis
CaO 0.60%	Root tips, cell walls and development of young tissue

APPLICATION TIMING

Apply before sowing or transplanting as a base fertilizer. If required, a second application may be made during early growth.

MAIN CONTRIBUTION TO THE PLANT

Supports balanced rooting, vegetative growth, flowering and yield formation.

RECOMMENDED CROPS



Rice



Maize



Wheat



Vegetables



Legumes



Fruit trees



Field crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NPK 15-15-15 + 10S + 0.5Zn

Balanced NPK fertilizer enriched with sulfur and zinc for base fertilization

GUARANTEED ANALYSIS

N	15%
P ₂ O ₅	15%
K ₂ O	15%
S	10%
SO ₃	25%
Zn	0.50%

PRODUCT CHARACTERISTICS

Its balanced NPK content, enriched with sulfur and zinc, is designed for base fertilization before sowing or transplanting. It supports rooting, emergence vigour and yield formation, particularly in zinc-deficient soils.

TECHNICAL PURPOSE OF THE FORMULATION

Equal N, P₂O₅ and K₂O levels provide balanced basic nutrition. Sulfur supports nitrogen utilization and protein formation, while zinc supports enzyme activity, growth hormones and the development of roots and shoots.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 15%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 15%	Rooting, energy transfer, emergence vigour and seedling establishment
K ₂ O 15%	Water balance, plant resilience and yield formation
S 10%	Nitrogen utilization and formation of proteins, amino acids and enzymes
Zn 0.50%	Enzyme activity, growth hormones, root and shoot development

APPLICATION TIMING

Apply before sowing or transplanting as a base fertilizer. If required, a second application may be made during early growth.

MAIN CONTRIBUTION TO THE PLANT

Supports balanced rooting, vegetative growth and yield; zinc strengthens the vigour of young plants.

RECOMMENDED CROPS



Rice



Maize



Wheat



Vegetables



Legumes



Fruit trees



Zinc-deficient soils

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.

NPK 15-15-15 + 10S + 2MgO

Balanced NPK fertilizer enriched with sulfur and magnesium for base fertilization

GUARANTEED ANALYSIS	
N	15%
P ₂ O ₅	15%
K ₂ O	15%
S	10%
SO ₃	25%
MgO	2%

PRODUCT CHARACTERISTICS

Its balanced NPK content, enriched with sulfur and magnesium, is designed for base fertilization before sowing or transplanting. It supports rooting, chlorophyll formation and yield, primarily in magnesium-deficient soils.

TECHNICAL PURPOSE OF THE FORMULATION

Equal N, P₂O₅ and K₂O levels provide balanced basic nutrition. Sulfur supports nitrogen utilization and protein formation, while magnesium, the central element of chlorophyll, supports photosynthesis and sugar production.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 15%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 15%	Rooting, energy transfer, emergence vigour and seedling establishment
K ₂ O 15%	Water balance, plant resilience and yield formation
S 10%	Nitrogen utilization and formation of proteins, amino acids and enzymes
MgO 2%	Central element of chlorophyll; photosynthesis and sugar production

APPLICATION TIMING

Apply before sowing or transplanting as a base fertilizer, primarily in magnesium-deficient soils.

MAIN CONTRIBUTION TO THE PLANT

Supports balanced rooting, vegetative growth and yield; magnesium strengthens leaf colour and photosynthesis.

RECOMMENDED CROPS



Rice



Maize



Wheat



Vegetables



Legumes



Fruit trees



Magnesium-demanding crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NPK 17-17-17 + 2.5S

High-concentration balanced NPK fertilizer for high-yielding crops

GUARANTEED ANALYSIS

N	17%
P ₂ O ₅	17%
K ₂ O	17%
S	2.52%
SO ₃	6.29%
MgO	0.40%
CaO	0.60%

PRODUCT CHARACTERISTICS

Its high nutrient density, with equal nitrogen, phosphorus and potassium levels, is designed for base fertilization of demanding crops. It supports strong roots, rapid growth, flowering and high yield.

TECHNICAL PURPOSE OF THE FORMULATION

High, equal N, P₂O₅ and K₂O levels meet the substantial requirements of high-yielding crops from sowing or transplanting onwards. Sulfur supports nitrogen utilization and protein formation; MgO and CaO contribute to chlorophyll and tissue strength.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 17%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 17%	Rooting, energy transfer, emergence vigour and seedling establishment
K ₂ O 17%	Water balance, crop quality and formation, stress resistance
S 2.52%	Nitrogen utilization and formation of proteins, amino acids and enzymes
MgO 0.40%	Chlorophyll formation and photosynthesis
CaO 0.60%	Cell walls, stem strength and development of young tissue

APPLICATION TIMING

Apply before sowing or transplanting as a base fertilizer. For long-season crops, the dose may be split during early vegetative growth.

MAIN CONTRIBUTION TO THE PLANT

Its high nutrient density supports strong roots, rapid growth, flowering and high yield.

RECOMMENDED CROPS



Rice



Maize



Potatoes



Vegetables



Bananas



Fruit trees



Industrial crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NPK 11-22-16 + 3.4S

Phosphorus-rich NPK fertilizer for rooting and vigorous establishment

GUARANTEED ANALYSIS

N	11%
P ₂ O ₅	22%
K ₂ O	16%
S	3.40%
SO ₃	8.50%
MgO	0.60%
CaO	3.19%

PRODUCT CHARACTERISTICS

Its phosphorus-rich content is designed for sowing and transplanting. It supports the formation of strong roots, a balanced start and plant resilience.

TECHNICAL PURPOSE OF THE FORMULATION

The high P₂O₅ content supports root system formation at sowing and transplanting. K₂O contributes to water balance and plant resilience, while CaO supports root tips and the development of young tissue.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 11%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 22%	Rooting, energy transfer, emergence vigour and seedling establishment
K ₂ O 16%	Water balance, plant resilience and yield formation
S 3.40%	Nitrogen utilization and formation of proteins, amino acids and enzymes
MgO 0.60%	Chlorophyll formation and photosynthesis
CaO 3.19%	Root tips, cell walls and development of young tissue

APPLICATION TIMING

Apply at sowing or seedling transplanting as a base fertilizer. It is particularly intended for rooting and early growth.

MAIN CONTRIBUTION TO THE PLANT

High phosphorus promotes strong rooting, while potassium supports crop resilience and subsequent yield formation.

RECOMMENDED CROPS



Rice



Maize



Potatoes



Groundnuts



Legumes



Vegetables



Transplanted crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NPK 12-24-12 + 4S + 0.5Zn

Phosphorus-rich starter fertilizer with zinc for rooting and emergence

GUARANTEED ANALYSIS

N	12%	SO ₃	9.74%
P ₂ O ₅	24%	MgO	0.60%
K ₂ O	12%	CaO	3.13%
S	3.90%	Zn	0.50%

PRODUCT CHARACTERISTICS

Its phosphorus-rich, zinc-enriched content is designed for base fertilization before or together with sowing. It supports root development, emergence vigour, tillering and zinc utilization by the plant.

TECHNICAL PURPOSE OF THE FORMULATION

The high P₂O₅ content ensures rapid rooting and vigorous emergence. Zinc supports enzyme activity and the development of young plants, particularly in zinc-deficient soils, while sulfur, MgO and CaO complete the starter nutrition.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 12%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 24%	Rooting, energy transfer, emergence vigour and tillering
K ₂ O 12%	Water balance, plant resilience and yield formation
S 3.90%	Nitrogen utilization and formation of proteins, amino acids and enzymes
MgO 0.60%	Chlorophyll formation and photosynthesis
CaO 3.13%	Root tips, cell walls and young tissue
Zn 0.50%	Enzyme activity, growth hormones, root and shoot development

APPLICATION TIMING

Apply before or together with sowing as a base fertilizer. Use during rooting and early growth, when zinc demand is highest.

MAIN CONTRIBUTION TO THE PLANT

Supports root development, emergence vigour, tillering and zinc utilization by the plant.

RECOMMENDED CROPS



Maize



Rice



Wheat



Sorghum



Millet



Legumes



Zinc-deficient soils

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.

UAS 32.75-0-0 + 12S

High-concentration sulfur-containing nitrogen fertilizer for top-dressing

GUARANTEED ANALYSIS	
N	32.75%
P ₂ O ₅	0%
K ₂ O	0%
S	12%
SO ₃	30.15%

PRODUCT CHARACTERISTICS

Its high nitrogen content, combined with sulfur, is designed for top-dressing after emergence. It stimulates leaf and stem growth during tillering and the rapid vegetative growth phase.

TECHNICAL PURPOSE OF THE FORMULATION

The highly concentrated nitrogen meets the crop's high requirements during tillering and vegetative growth. Sulfur supports protein and chlorophyll formation and improves the efficiency of the applied nitrogen.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 32.75%	Formation of leaves, stems, shoots and proteins; tillering and biomass
S 12%	Formation of proteins, amino acids and chlorophyll; efficient nitrogen use
SO ₃ 30.15%	Technical expression of total sulfur as SO ₃ (S × approximately 2.5)

APPLICATION TIMING

Apply after emergence as a top-dressing. Use during tillering and rapid vegetative growth, before rainfall or irrigation.

MAIN CONTRIBUTION TO THE PLANT

High nitrogen promotes rapid leaf and stem growth, while sulfur supports protein and chlorophyll formation.

RECOMMENDED CROPS



Wheat



Rice



Maize



Sorghum



Millet



Canola



Sunflower



Forage crops



Grassland

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NP 20-20-0 + 10S + 0.5Zn

Sulfur-containing NP fertilizer with zinc for vigorous rooting and establishment

GUARANTEED ANALYSIS

N	20%	SO ₃	23.58%
P ₂ O ₅	20%	Zn	0.50%
K ₂ O	0%	CaO	1.30%
S	9.43%	MgO	0.87%

PRODUCT CHARACTERISTICS

Its sulfur-containing NP composition, enriched with zinc, is designed for base fertilization at sowing in zinc-deficient areas. It supports root growth, tillering, enzyme activity and stress tolerance in young plants.

TECHNICAL PURPOSE OF THE FORMULATION

P₂O₅ and nitrogen ensure rooting and establishment, while zinc (0.5%) supports enzyme activity, growth hormones and the development of young plants. Sulfur, CaO and MgO complete the starter nutrition.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 20%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 20%	Rooting, energy transfer, emergence vigour and tillering
S 9.43%	Nitrogen utilization and formation of proteins, amino acids and enzymes
Zn 0.50%	Enzyme activity, growth hormones, root and shoot development
CaO 1.30%	Root tips, cell walls and young tissue
MgO 0.87%	Chlorophyll formation and photosynthesis

APPLICATION TIMING

Apply during sowing as a base fertilizer. Intended for rooting and early growth in zinc-deficient areas.

MAIN CONTRIBUTION TO THE PLANT

Supports root growth, tillering, enzyme activity and stress tolerance in young plants.

RECOMMENDED CROPS



Maize



Rice



Wheat



Sorghum



Millet



Zinc-sensitive cereals

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.

NP 20-20-0 + 10S + 0.5Zn + 0.2B

Sulfur-containing NP fertilizer with zinc, boron and magnesium for flowering and fertilization

GUARANTEED ANALYSIS

N	20%	Zn	0.50%
P ₂ O ₅	20%	B	0.20%
K ₂ O	0%	CaO	0.98%
S	9.36%	MgO	0.65%
SO ₃	23.40%		

PRODUCT CHARACTERISTICS

Its sulfur-containing NP composition, enriched with zinc, boron and magnesium, is designed for base fertilization at sowing or transplanting. Boron prepares the crop for the pre-flowering stage.

TECHNICAL PURPOSE OF THE FORMULATION

P₂O₅ and nitrogen ensure rooting and establishment; zinc supports the development of young plants. Boron supports flower development, pollen viability and fertilization, while MgO strengthens chlorophyll formation.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 20%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 20%	Rooting, energy transfer, emergence vigour and tillering
S 9.36%	Nitrogen utilization and formation of proteins, amino acids and enzymes
Zn 0.50%	Enzyme activity, growth hormones, root and shoot development
B 0.20%	Pollen development, flower fertilization, sugar transport and fruit set
CaO 0.98%	Root tips, cell walls and young tissue
MgO 0.65%	Chlorophyll formation and photosynthesis

APPLICATION TIMING

Apply during sowing or transplanting as a base fertilizer. Boron helps prepare the crop for the pre-flowering stage.

MAIN CONTRIBUTION TO THE PLANT

Supports rooting, chlorophyll formation, flower development, pollen viability and fertilization.

RECOMMENDED CROPS



Groundnuts



Soybean



Sunflower



Canola



Cotton



Legumes



Vegetables



Boron-demanding crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NK 25-0-8 + 2MgO + ME

Nitrogen and potassium fertilizer with magnesium and micronutrients for vegetative growth

GUARANTEED ANALYSIS

N	25%	Fe	0.5%
P ₂ O ₅	0%	Mn	0.10%
K ₂ O	8%	B	0.01%
S	9.93%	Cu	0.01%
SO ₃	24.83%	Zn	0.01%
MgO	2%	Mo	0.001%
CaO	0.9%		

PRODUCT CHARACTERISTICS

Its nitrogen- and potassium-rich composition, enriched with magnesium and micronutrients, is designed for the vegetative growth period after rooting. It supports leaves and stems, produce quality and photosynthesis.

TECHNICAL PURPOSE OF THE FORMULATION

Nitrogen supports leaf and stem development; potassium improves the quality, colour and shelf life of the produce. Magnesium and micronutrients (Fe, Mn, B, Cu, Zn, Mo) support chlorophyll, photosynthesis and enzyme activity.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 25%	Formation of leaves, stems, shoots and proteins
K ₂ O 8%	Water balance, sugar transport, produce quality and shelf life
S 9.93%	Nitrogen utilization and formation of proteins, amino acids and enzymes
MgO 2%	Central element of chlorophyll; photosynthesis and sugar production
CaO 0.9%	Cell walls, fruit firmness and young tissue
Fe · Mn · B · Cu · Zn · Mo	Chlorophyll, enzyme activity, fertilization and nutrient metabolism

APPLICATION TIMING

Apply after rooting, during vegetative growth. The dose may be split at the start of fruit or tuber formation.

MAIN CONTRIBUTION TO THE PLANT

Nitrogen supports leaf and stem growth; potassium supports produce quality; magnesium and micronutrients support photosynthesis.

RECOMMENDED CROPS



Potatoes



Tomatoes



Peppers



Bananas



Citrus



Fruit trees



Leafy vegetables



Industrial crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.



NP 20-20-0 + 2.5MgO + 10SO₃

NP fertilizer enriched with magnesium for chlorophyll and photosynthesis

GUARANTEED ANALYSIS

N	20%
P ₂ O ₅	20%
K ₂ O	0%
S	4%
SO ₃	10%
MgO	2.5%

PRODUCT CHARACTERISTICS

Its magnesium-enriched NP composition is designed for base fertilization at sowing or during early growth, primarily in magnesium-deficient soils. It supports rooting, chlorophyll formation and vegetative growth.

TECHNICAL PURPOSE OF THE FORMULATION

P₂O₅ supports rooting and establishment; nitrogen promotes vegetative growth. Magnesium (2.5% MgO), the central element of chlorophyll, supports photosynthesis, while sulfur improves nitrogen utilization.

MAIN FUNCTIONS OF THE NUTRIENTS

Element	Function
N 20%	Formation of leaves, stems, shoots and proteins
P ₂ O ₅ 20%	Rooting, energy transfer, emergence vigour and tillering
S 4%	Nitrogen utilization and formation of proteins, amino acids and enzymes
SO ₃ 10%	Technical expression of total sulfur as SO ₃
MgO 2.5%	Central element of chlorophyll; photosynthesis and sugar production

APPLICATION TIMING

Apply at sowing as a base fertilizer or during early growth. Give priority to magnesium-deficient soils.

MAIN CONTRIBUTION TO THE PLANT

Phosphorus supports rooting; magnesium supports chlorophyll and photosynthesis; nitrogen promotes vegetative growth.

RECOMMENDED CROPS



Maize



Rice



Wheat



Legumes



Leafy vegetables



Magnesium-demanding crops

Professional use note: Base fertilizers must not come into direct contact with seed and should be placed at an appropriate distance within the root zone. Application rates must be determined according to soil analysis, crop variety, target yield, rainfall and irrigation conditions. Products containing boron must be used only at the specified rate.

OUR CERTIFICATIONS

Our management systems and production processes are certified by independent certification bodies. Scope: production, import and export of all types of chemical, liquid and organic fertilizers and fertilizer raw materials.



ISO 9001:2015

Quality management system

Certificate No. 09.26.20651.100478.U



ISO 14001:2015

Environmental management system

Certificate No. 14.26.20651.2000288.U



ISO 45001:2018

Occupational health and safety

Certificate No. 45.26.20651.3000238.U



ISO 10002:2018

Customer satisfaction management

Certificate No. SQS.10002.734



ISO 31000:2018

Risk management system

Certificate No. SQS.31000.735



ISO 22716:2017 GMP

Good manufacturing practices (GMP)

Certificate No. SQS.22716.736

Certificate scope: production, import and export of all types of chemical, liquid and organic fertilizers and fertilizer raw materials. Certification bodies: FQC (First Quality Certification) and SQS International Certification.



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COMPANY

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CERTIFICATIONS

ISO 9001

ISO 14001

ISO 45001

ISO 10002

ISO 31000

GMP 22716