VIVA

— SINCE 2011 — FERTILIS

More than fertilizers

SOLUTIONS FOR EFFICIENT PLANT GROWTH



PRODUCT CATALOGUE

ABOUT US

We create and produce more than fertilizers — shaping the future of agriculture together with farmers and science.

VIVA FERTILIS is an innovative fertilizer brand owned by UAB Agroconsult LT, focused on the development and production of advanced plant nutrition solutions.

FARMERS are our key partners, because only by working together we can make truly effective solutions.

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VIVA FERTILIS

COMPANY FOUNDERS



“To feel the plant, to care for the plant, to help it grow – this is what we live for.”

UAB Agroconsult LT was **established in 2011**.

The company’s founders: CEO - **Erikas Butnoris** and Commercial Director - **Marius Urmonas** initially worked with products from other European manufacturers and later steadily developed their own fertilizer production, focused on high quality standards and international markets.

This focused development laid the foundation for the Viva Fertilis brand and the company’s consistent international growth.

15 years of experience in agriculture allows us to accurately anticipate farmers’ needs and develop exceptional products.

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OUR CORE VALUES



PARTNERSHIP

We work closely with farmers, distributors, and scientists to create real value.



EXPERTISE

Solutions are developed in the field, not only in the laboratory.



FAST INNOVATION

We rapidly formulate, test, and refine products based on real market needs.



SUSTAINABILITY

We focus on reducing CO_2 footprint, improving nutrient use efficiency, and ensuring responsible production.



CUSTOMER FOCUS

We develop solutions that directly address customer needs and deliver tangible agronomic value.

VIVA FERTILIS

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WHAT MAKES OUR SOLUTION DIFFERENT



Collaboration with research institutions

Allowing us to apply scientific knowledge directly in product development.



Development & production

Advanced production technologies ensuring flexibility, quality control, and rapid adaptation to partner needs.



Flexible adaptation to local markets

Solutions adjusted to regional agronomic conditions, crops, and application practices.



Proven field performance

Products tested and proven in practical farming environments across different markets.

VIVA FERTILIS

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MARKET PRESENCE & FIELD ENGAGEMENT



Market engagement through:

- field trials
- agricultural exhibitions
- industry events

To validate solutions under real farming conditions and stay closely connected to market needs.





Direct interaction with farmers and partners allows us to continuously improve product performance and market relevance.

VIVA FERTILIS

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What do you gain by partnering with us?



Knowledge & Expertise

Strong agronomic knowledge foundation

We help you understand products, how they work, and how to use them under your local conditions.



Full Support

From onboarding to growth

We provide technical, agronomic, and market support throughout the cooperation.



Sales Team Preparation

Training, materials, and arguments

We prepare your team to confidently work with and sell our solutions.



Fast Response & Adaptability

Solutions tailored to your market

Formulations, products, and communication adapted to local needs.

We don’t just supply products — we help you successfully sell and adapt them to your market.

VIVA FERTILIS

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OUR PRODUCT PORTFOLIO

A wide range of fertilizers, biostimulants and specialized products designed to meet different plant nutrition and soil needs:

- **Liquid macro/micro fertilizers**
- **Gel fertilizers**
- **Biostimulants**
- **Biological products**
- **Inoculants**
- **Suspension fertilizers**
- **Water-soluble fertilizers**
- **Fertilizers for drones**
- **Water correctors**
- **Customized products**

Advanced production technologies and strict quality control ensure consistent performance across all VIVA FERTILIS products.



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Liquid fertilizer

CONTENTS

VIVAGEL NPK 3-31-3 +ME

This fertilizer supplies plants with the essential nutrients nitrogen (N), phosphorus (P), potassium (K) and ensures the optimal development of their aboveground parts. This unique combination of essential nutrients ensures the optimal development of plants biomass, shoots, roots, flowers and fruits.



- **Stimulates root growth and flowering**
- **Boosts plant vigour and improves their health**
- **Effectively prevents nutrient deficiencies**
- **Strengthens plant resistance to adverse growing conditions**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	4,0	2,8	40
Phosphorus pentoxide (P_2O_5), water-soluble	44,0	31,7	440
Potassium oxide (K_2O), water-soluble	4,0	2,8	40
Manganese (Mn), water-soluble	2,5	1,8	25
Zinc (Zn), water-soluble	2,5	1,8	25
L-Proline	0,15	0,1	1,5

PHYSICAL PROPERTIES:

Density	1,40–1,43 kg/l
pH	< 3,0
Colour	From pink to orange
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 2–4 l/ha

VIVA FERTILIS

VIVAGEL PK

Due to the very high content of phosphorus in combination with potassium, this fertilizer effectively supports the development of the root system, increases the growth of plant biomass, and improves their winter hardiness. Especially recommended for use in the early periods of vegetative growth (during the development of the root system).



- **Balanced composition**
- **Improves root and shoot growth**
- **Increases resistance to abiotic stress**
- **Improvement in quantity and quality of the yield**

COMPOSITION	w/v %	w/w %	g/l
Phosphorus pentoxide (P_2O_5), water-soluble	42,0	30,0	420
Potassium oxide (K_2O), water-soluble	8,0	6,0	80
Manganese (Mn), water-soluble	2,5	1,7	25
Zinc (Zn), water-soluble	2,5	1,7	25
L-Proline	0,15	0,1	1,5

PHYSICAL PROPERTIES:

Density	1,40–1,43 kg/l
pH	< 3,0
Colour	From pink to orange
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 2–4 l/ha

VIVAGEL NPK 3-44-3

Thanks to its very high phosphorus (P_2O_5) content, together with potassium (K_2O) and nitrogen (N), this fertilizer effectively supports the development of the root system, increases the biomass growth of plants, and improves their winter hardiness. It is particularly recommended for use in the early stages of vegetative growth (during the development of the root system).



- **Improves root and shoot growth**
- **The promoter of more uniform growth**
- **Increases resistance to abiotic stress**
- **Improvement in quantity and quality of the yield**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	5,0	3,1	50
Amide Nitrogen (N-NH_2)	5,0	3,1	50
Phosphorus pentoxide (P_2O_5), water-soluble	70,0	43,8	700
Potassium oxide (K_2O), water-soluble	5,0	3,1	50

PHYSICAL PROPERTIES:

Density	1,60 kg/l
pH	1,0
Colour	Green
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 2–4 l/ha

VIVAGEL UNIVERSAL +AA

This fertilizer, specially formulated to provide a balanced contribution of essential macronutrients during all stages of the vegetative cycle of the plant, spraying through the leaves or on the soil, irrigation systems. L-Proline amino acids improves permeability of nutrients, increases resistance to adverse environmental effects.



- **Balanced composition**
- **Improves root and shoot growth**
- **Improvement in quantity and quality of the yield**
- **The promoter of more uniform growth**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	13,0	10,0	130
Amide Nitrogen (N-NH_2)	13,0	10,0	130
Phosphorus pentoxide (P_2O_5), water-soluble	13,0	10,0	130
Potassium oxide (K_2O), water-soluble	13,0	10,0	130
L-Proline	0,2	0,16	2

PHYSICAL PROPERTIES:

Density	~ 1,30 kg/l
pH	10–11
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 2–4 l/ha

Irrigation system 4–8 l/ha

VIVAGEL KS

Highly concentrated liquid potassium (K) and sulphur (S) fertilizer designed to promote active plant growth, for greater yield formation and higher yield quality. Fully water-soluble fertilizer suitable for all plants.

COMPOSITION	w/v %	w/w %	g/l
Potassium oxide (K_2O) (=22 % K), water-soluble	37,0	26,2	370
Sulphur trioxide (SO_3) (=18 % S), water-soluble	65,0	46,1	650



- **Activates many enzymes**
- **Reduces water loss and wilting**
- **Helps in photosynthesis and food formation**
- **Increases quantity and quality of proteins**

PHYSICAL PROPERTIES:

Density	1,40–1,42 kg/l
pH	~ 14
Colour	Yellowish brown
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 2–4 l/ha

VIVAGEL NK

Product designed to optimize potassium absorption for active plant growth, greater yield formation and increasing resistance to drought and environmental stress. Special combination of high level of potassium and free amino acids increases the biological activity of plant, stimulates photosynthesis and prevents crops from lodging.



- **Activates many enzymes**
- **Reduces water loss and wilting**
- **Helps in photosynthesis and food formation**
- **Increases quantity and quality of proteins**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	4,0	2,7	40
Amide Nitrogen ($N\text{-}NH_2$)	4,0	2,7	40
Potassium oxide (K_2O), water-soluble	40,0	27,0	400
L-Proline	0,2	0,13	2

PHYSICAL PROPERTIES:

Density	1,47–1,50 kg/l
pH	11,0–11,3
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–3 l/ha

Irrigation system 2–4 l/ha

VIVA FERTILIS

EFFECT NS

The product is enriched with nitrogen and a higher sulphur content. Sulphur is essential for plant growth and development, as it plays an important role in photosynthesis and protein synthesis, and is a component of enzymes and amino acids.



- **Improves nitrogen uptake and utilization in plants**
- **Supports intensive photosynthesis**
- **Stimulates plant growth and increases productivity**
- **Promotes protein synthesis**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	20,0	15,1	200
Amide Nitrogen ($N\text{-}NH_2$)	6,1	4,6	61
Ammonium ($N\text{-}NH_4$)	13,9	10,5	139
Sulphur trioxide (SO_3), water-soluble	75,0	56,8	750

PHYSICAL PROPERTIES:

Density	1,30–1,35 kg/l
pH	7,0–7,3
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 1–4 l/ha

VIVAGEL K +AA

Product designed to optimize potassium absorption in leaves for active plant growth, greater yield formation and higher yield quality, with an apparent stimulatory effect in increasing resistance to drought and environmental stress. Due to the neutral pH, the product is compatible with all pesticides without losing their effectiveness, which is very important.



- **Rapid uptake through the leaf**
- **The promoter of more uniform growth**
- **Increases quantity and quality of proteins**
- **Increases resistance to abiotic stress**

COMPOSITION	w/v %	w/w %	g/l
Potassium oxide (K_2O), water-soluble	40,0	28,6	400
L-Proline	0,2	0,14	2
Organic carbon (Corg)	17,5	12,5	175
Dry matter	84,0	60,0	840

PHYSICAL PROPERTIES:

Density	1,39–1,44 kg/l
pH	6,0–6,5
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 2–3 l/ha

VIVA FERTILIS

VIVAGEL KSi

A silicon and potassium product supplemented with vegetable amino acids that improve the absorption and distribution of these two nutrients in plants. It increases plant yield and production quality, reduces the impact of UV rays on the plant, strengthens plant tissues, making plants more resistant to lodging. Promotes a more complete assimilation of nutrients from the soil and fertilizers.

COMPOSITION	w/v %	w/w %	g/l
Potassium oxide (K_2O), water-soluble	9,2	7,9	92
Silicon dioxide (SiO_2), water-soluble	10,2	8,8	102
Free amino acids	4,0	3,5	40



- **Reduces water loss and wilting**
- **Increases resistance to abiotic stress**
- **Gives plants mechanical strength**
- **Increases resistance to pests and environmental stress**

PHYSICAL PROPERTIES:

Density	1,16 kg/l
pH	11,67
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,1–0,2 l/ha

Irrigation system 0,5–1 l/ha

VIVAGEL N32

Liquid nitrogen fertilizer. It promotes vegetative growth, as nitrogen is provided in three different forms, ensuring both rapid (nitrate) and long-term (ammonium and urea) availability. Suitable for use in all liquid fertilizer systems for fruit, vegetable, nursery, and ornamental plant cultivation. Especially recommended under adverse growth conditions and during stages of increased nitrogen demand.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	42,0	32,0	420
Ammoniacal Nitrogen ($N\text{-}NH_4$)	10,5	8,0	105
Nitrate Nitrogen ($N\text{-}NO_3$)	10,5	8,0	105
Amide Nitrogen ($N\text{-}NH_2$)	21,0	16,0	210



- **50 % of slow-release nitrogen**
- **Activates many enzymes**
- **Helps faster assimilation of nitrogen in plants**
- **It is extremely versatile as a source of nitrogen**

PHYSICAL PROPERTIES:

Density	~ 1,30–1,35 kg/l
pH	6,5–7,5
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 100–200 ml/100 l water 2–3 applications

Irrigation system 5 l/ha

VIVAGEL Ca

High-quality, fast-acting liquid fertilizer designed for the correction and prevention of calcium deficiency to ensure a good-quality yield. Calcium is an essential macronutrient for the strength of cell walls and membranes, as well as for creating and maintaining structural integrity. It is a valuable, universal fertilizer used for supplementary fertilization during the growing season, particularly suitable for more acidic soils.



- **Increases stress tolerance**
- **Strengthens cell wall structure**
- **Improves root and shoot growth**
- **Readily available calcium and nitrate nitrogen**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	13,4	9,2	134
Nitrate Nitrogen (N-NO_3)	13,4	9,2	134
Calcium oxide (CaO), water-soluble	23,0	15,9	230
Calcium (Ca), water-soluble	16,4	11,3	164

PHYSICAL PROPERTIES:

Density	~ 1,45 kg/l
pH	5,5–6,5
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 2–4 l/ha

VIVAGEL Ca Mg +AA

High-quality, fast-acting liquid fertilizer with amino acids, intended for use during the plant's active growth phases, applied either through foliar spraying, soil application, or irrigation systems. It is a valuable, universal fertilizer used for supplementary fertilization during the growing season. Amino acids activate photosynthesis, increase chlorophyll levels, and support essential plant functions, making the product particularly suitable for more acidic soils.



- **Improves root development and stimulates plant growth**
- **Enhances photosynthesis and improves crop quality**
- **Ensures better water supply to plants**
- **Strengthens resistance to unfavourable growing conditions**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	13,0	9,0	130
Calcium (Ca), water-soluble	12,5	8,7	125
Calcium oxide (CaO), water-soluble	17,5	12,0	175
Magnesium (Mg), water-soluble	2,5	1,8	25
Magnesium oxide (MgO), water-soluble	4,0	2,7	40
L-Proline	0,2	0,13	2

PHYSICAL PROPERTIES:

Density	1,46 kg/l
pH	4
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

VIVAGEL Mg +AA

Liquid macronutrient fertilizer enriched with plant-available magnesium and amino acids. The product is designed to maintain optimal magnesium levels and correct deficiencies.



- **Increases plant productivity and yield quality**
- **Supports plant recovery after stress**
- **Enhances resistance to adverse environmental conditions**
- **Improves crop quality characteristic**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	7,0	5,0	70
Nitrate Nitrogen (N-NO_3)	7,0	5,0	70
Magnesium (Mg), water-soluble	6,0	4,5	60
Magnesium oxide (MgO), water-soluble	10,0	7,5	100
L-Proline	0,2	0,16	2

PHYSICAL PROPERTIES:

Density	1,37 kg/l
pH	4,2–4,4
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

Microelements

VIVA FERTILIS

CONTENTS

ALFA S (ECO)

Product is made from manganese, zinc, and copper which are complexed with amino acids. The unique formulation of naturally chelated microelements and amino acids helps to prevent micronutrient deficiencies stimulating simultaneously the metabolism of the plant. Contains essential nutrients for the formation of chlorophyll, enzymes, and proteins. A long-lasting effect.



- **Improves plant growth, increases flowering and fruiting**
- **Stimulates plant growth**
- **Helps to restore the plant in stressful situations**
- **Efficient nutrient uptake**

COMPOSITION	w/v %	w/w %	g/l
Sulphur trioxide (SO_3), water-soluble	24,5	17,1	245
Copper (Cu), water-soluble	2,7	1,9	27
Manganese (Mn), water-soluble	8,7	6,2	87
Zinc (Zn), water-soluble	5,6	3,9	56
Free amino acids	3,8	2,7	38
L-Proline	0,2	0,14	2

PHYSICAL PROPERTIES:

Density	1,40–1,43 kg/l
pH	2,0–2,1
Colour	Blue
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,7–1,5 l/ha

Irrigation system 1–3 l/ha

ALFA BRASSICA

Liquid fertilizer for fertilizing plants through leaves, specially designed for brassica crops (oilseed rape, mustard, cabbage), which will help grow a larger and better yield, providing plants with the elements they need most. It is recommended to use to prevent micronutrient deficiency. Long-lasting effect.



- **Prevents plant nutrient deficiencies**
- **Provides the absorption of the nutrients in the plant even under stress conditions**
- **Improves plant growth, increases flowering and fruiting**
- **Increases plant productivity and yield**

COMPOSITION	w/v %	w/w %	g/l
Magnesium oxide (MgO), water-soluble	4,1	2,9	41
Sulphur trioxide (SO_3), water-soluble	23,8	17,0	238
Manganese (Mn), water-soluble	8,4	6,0	84
Molybdenum (Mo), water-soluble	0,5	0,35	5
Zinc (Zn), water-soluble	1,5	1,07	15
Free amino acids	4,5	3,21	45

PHYSICAL PROPERTIES:

Density	1,40–1,43 kg/l
pH	2,4–2,6
Colour	Yellow brown
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,7–1,5 l/ha

Irrigation system 1–2 l/ha

ALFA GREEN

The product is made from magnesium, sulphur, manganese and iron, enriched with L-proline. This unique formulation not only supplies plants with essential micronutrients but also helps them recover more rapidly from environmental stress. The components in the formulation quickly give plants a deep green colour, which contributes to more efficient photosynthesis, resulting in long-lasting and visible effects.



- **Protects plants from micronutrient deficiencies**
- **Ensures efficient nutrient absorption even under stress conditions**
- **Stimulates stronger growth, improves flowering and fruit set**
- **Increases plant productivity and increases yield**

COMPOSITION	w/v %	w/w %	g/l
Magnesium oxide (MgO), water-soluble	5,0	3,5	50
Sulphur trioxide (SO_3), water-soluble	23,5	16,7	235
Iron (Fe), water-soluble	2,0	1,4	20
Manganese (Mn), water-soluble	7,0	5,0	70
L-Proline	0,2	0,14	2

PHYSICAL PROPERTIES:

Density	1,40–1,43 kg/l
pH	2,4–2,6
Colour	Green
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,7–1,5 l/ha

Irrigation system 1–3 l/ha

EFFECT B+Mo (ECO)

Liquid, concentrated and easily absorbed boron fertilizer with molybdenum. It compensates for boron and molybdenum deficiencies in plants during critical growth stages and when unfavourable conditions limit the uptake of these elements from the soil.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	6,4	4,7	64
Amide Nitrogen (N-NH_2)	6,4	4,7	64
Boron (B), water-soluble	15,0	11,0	150
Molybdenum (Mo), water-soluble	0,75	0,63	7,5



- **Quickly eliminates boron and molybdenum deficiencies**
- **Stimulates root and shoot growth**
- **Improves nitrogen uptake and nutrient use efficiency**
- **Enhances flowering and yield formation**

PHYSICAL PROPERTIES:

Density	1,36 kg/l
pH	7,5–8,5
Colour	Yellowish to brownish
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 1–4 l/ha

EFFECT MOLBOR

Liquid concentrated boron fertilizer with molybdenum, easily assimilated by plants. Compensates for boron and molybdenum deficiencies in plants during critical growth stages and under unfavourable conditions for nutrient uptake from the soil. Intended especially for crops sensitive to boron deficiency: rapeseed, sugar beet, fodder beet, potatoes, corn, legumes, fruit and vegetable crops.



- **Stimulates flowering and fruit formation**
- **Improves protein and carbohydrate metabolism**
- **Supports sucrose and starch synthesis**
- **Participates in auxin metabolism**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	5,1	4,0	51
Amide Nitrogen (N-NH_2)	5,1	4,0	51
Boron (B), water-soluble	12,0	9,4	120
Molybdenum (Mo), water-soluble	0,5	0,38	5
Free amino acids	4,0	3,1	40

PHYSICAL PROPERTIES:

Density	1,28–1,30 kg/l
pH	7,5–8,5
Colour	Yellowish to brownish
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 1–4 l/ha

EFFECT B (ECO)

Liquid micronutrient fertilizer with a high content of boron easily absorbed by plants. Recommended especially for crops sensitive to boron deficiency. It is a boron deficiency corrector.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	6,4	4,7	64
Amide Nitrogen (N-NH_2)	6,4	4,7	64
Boron (B), water-soluble	15,0	11,0	150



- **Stimulates flowering and fruit set formation**
- **Improves protein and carbohydrates metabolism**
- **Helps synthesize sucrose and starch**
- **Involved in the metabolism of auxins**

PHYSICAL PROPERTIES:

Density	1,36 kg/l
pH	7,5–8,5
Colour	Yellowish to brownish
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 1–2 l/ha

Irrigation system 1–4 l/ha

EFFECT Mo100

Liquid concentrated fertilizer with molybdenum easily absorbed by plants. The product is intended to compensate for molybdenum deficiency during critical growth stages and under unfavourable environmental conditions.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	2,4	2,0	24
Amide Nitrogen ($N\text{-}NH_2$)	1,2	1,0	12
Ammoniacal Nitrogen ($N\text{-}NH_4$)	1,2	1,0	12
Molybdenum (Mo), water-soluble	10,6	8,8	106



- **Compensates for molybdenum deficiency**
- **Stimulates symbiotic nitrogen fixation**
- **Increases photosynthesis activity**
- **Improves crop quality**

PHYSICAL PROPERTIES:

Density	1,21 kg/l
pH	4,9–5,1
Colour	Clear*
Solubility	100 % soluble
Physical state	Solution

*** Colour may change** *depending on storage conditions; however, quality parameters remain unaffected.*

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,3 l/ha

Irrigation system 0,5–0,7 l/ha

EFFECT Cu80 +AA

Liquid micronutrient fertilizer with an easily absorbable concentration of copper in a complex with amino acids. A product for the prevention and elimination of copper deficiency.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	4,7	3,8	47
Nitrate Nitrogen (N-NO_3)	4,7	3,8	47
Copper (Cu), water-soluble	8,0	6,4	80
L-Proline	0,2	0,15	2



- **Stimulates flowering and fruit formation**
- **Regulates cellular respiration**
- **Activates plant immune system**
- **Increases productivity**

PHYSICAL PROPERTIES:

Density	1,28–1,32 kg/l
pH	3,5
Colour	Blue
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

EFFECT Mn Zn +AA

Liquid micronutrient fertilizers enriched with manganese and zinc, which are easily absorbed by plants. The product is designed to maintain optimum manganese and zinc levels and to correct deficiencies.



- **Increases the efficiency of photosynthesis and all biochemical processes**
- **Increases productivity**
- **Quick and effective assimilation**
- **Corrects Mn and Zn micronutrients deficiencies**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	11,5	7,4	115
Nitrate Nitrogen (N-NO_3)	11,5	7,4	115
Manganese (Mn), water-soluble	11,5	7,4	115
Zinc (Zn), water-soluble	11,5	7,4	115
L-Proline	0,2	0,13	2

PHYSICAL PROPERTIES:

Density	1,54–1,58 kg/l
pH	< 3,5
Colour	Light red
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

EFFECT Zn235 +AA

A foliar fertilizer based on zinc nitrate, designed for the quick and effective correction of zinc deficiencies in plants. The nitrate form ensures excellent solubility and rapid zinc uptake through the leaves, allowing the product to work even under stressful growing conditions.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	11,5	7,4	115
Nitrate Nitrogen (N-NO_3)	11,5	7,4	115
Zinc (Zn), water-soluble	23,5	15,1	235
L-Proline	0,2	0,13	2



- **Very fast foliar absorption**
- **Improves chlorophyll synthesis and photosynthesis**
- **Enhances root development and enzymatic activity**
- **Effective under stressful conditions**

PHYSICAL PROPERTIES:

Density	1,56 kg/l
pH	1,0–1,5
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

EFFECT Mn100 +AA

Liquid micronutrient fertilizer enriched with plant-available manganese and amino acids. The product is designed to maintain optimal manganese levels and correct deficiencies.

COMPOSITION	w/v %	w/w %	g/l
Sulphur trioxide (SO_3), water-soluble	16,5	11,8	165
Manganese (Mn), water-soluble	10,0	7,1	100
Free amino acids	5,0	3,6	50



- **Effectively corrects manganese deficiency and maintains optimal plant levels**
- **Stimulates sugar, protein, and vitamin accumulation**
- **Improves respiration, photosynthesis, and nitrogen uptake**
- **Suitable for all manganese-sensitive crops for foliar application**

PHYSICAL PROPERTIES:

Density	1,4 kg/l
pH	< 3,5
Colour	Light red
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

EFFECT Mn235

A concentrated manganese nitrate fertilizer designed for the rapid correction of manganese deficiency and efficient manganese nutrition. The nitrate form of manganese ensures rapid foliar uptake and a long-lasting effect.

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	11,9	7,7	119
Nitrate Nitrogen (N-NO_3)	11,9	7,7	119
Manganese (Mn), water-soluble	23,5	15,0	235



- **Rapidly corrects manganese deficiency**
- **Promotes photosynthesis and chlorophyll synthesis**
- **Improves plant growth and productivity**
- **Enhances resistance to adverse growing conditions**

PHYSICAL PROPERTIES:

Density	1,55 kg/l
pH	~ 2,0
Colour	Light pink
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

EFFECT Zn100 +AA

Liquid micronutrient fertilizer enriched with easily absorbable zinc and amino acids. The product is designed to maintain optimal zinc levels and eliminate deficiencies.



- **Quickly corrects zinc deficiency during the growing season**
- **Improves carbohydrate metabolism**
- **Stimulates chlorophyll production and boosts plant energy processes**
- **Enhances plant growth and development even under stressful conditions**

COMPOSITION	w/v %	w/w %	g/l
Sulphur trioxide (SO_3), water-soluble	12,5	9,9	125
Zinc (Zn), water-soluble	10,0	7,9	100
Free amino acids	5,0	4,0	50

PHYSICAL PROPERTIES:

Density	1,26 kg/l
pH	3,0–3,5
Colour	Clear
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

EFFECT Fe175

Liquid iron sulphate fertilizer intended for plants that require higher amounts of iron – both for fertilization and for prevention, in order to protect against non-infectious chlorosis.

COMPOSITION	w/v %	w/w %	g/l
Sulphur trioxide (SO_3), water-soluble	29,8	19,6	298
Iron (Fe), water-soluble	17,5	11,5	175



- **Increases chlorophyll synthesis**
- **Stimulates plant respiration and metabolism**
- **Stimulates plant growth and development**
- **Increases resistance to adverse weather conditions**

PHYSICAL PROPERTIES:

Density	1,50–1,60 kg/l
pH	< 1
Colour	Brownish
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

Suspension fertilizer

VIVA FERTILIS

CONTENTS

ULTRA FERT

A universal, concentrated suspension containing essential micronutrients, intended for preventive foliar application and for correcting deficiencies when they become apparent during key stages of crop development. Provides a long-lasting effect.

COMPOSITION	w/v %	w/w %	g/l
Total Copper (Cu)	11,0	6,3	110
Total Manganese (Mn)	33,6	19,2	336
Total Zinc (Zn)	9,1	5,2	91



- **Suitable for a wide range of crops**
- **Increases plant productivity and crop yield**
- **Promotes plant growth, flowering and fruit formation**
- **Highly concentrated and balanced nutrient composition**

PHYSICAL PROPERTIES:

Density	1,75 kg/l
pH	8,5
Colour	Grey
Solubility	100 % soluble
Physical state	Suspension

Packaging: **1 l, 5 l, 10 l**

Dosage: **Suitable for all agricultural and horticultural crops.**
Foliar application: **0,5–1 l/ha**

VIVA FERTILIS

ULTRA Zn500 / ULTRA Zn700

A concentrated zinc fertilizer suspension intended for supplementary and preventive foliar application. Helps maintain optimal zinc levels and can be applied as soon as deficiency symptoms appear. Provides a long-lasting effect.



- **Increases productivity**
- **Activates the plant immune system**
- **Regulates cellular respiration**
- **Promotes flowering and fruit formation**

COMPOSITION ULTRA Zn500	w/v %	w/w %	g/l
Total Zinc (Zn)	50,0	32,7	500
Total Sulphur trioxide (SO_3)	20,0	13,1	200

COMPOSITION ULTRA Zn700	w/v %	w/w %	g/l
Total Zinc (Zn)	70,0	40,0	700

PHYSICAL PROPERTIES:

	ULTRA Zn500	ULTRA Zn700
Density	1,53 kg/l	1,75 kg/l
pH	8,8	7,9
Colour	White	White
Solubility	100 % soluble	100 % soluble
Physical state	Suspension	Suspension

Packaging: **1 l, 5 l, 10 l**

Dosage:
Suitable for all agricultural and horticultural crops.
ULTRA Zn500: foliar application **0,25–1 l/ha**
ULTRA Zn700: foliar application **0,1–0,5 l/ha**

ULTRA Cu350

A concentrated copper fertilizer suspension intended for supplementary and preventive foliar application. Helps maintain optimal copper levels and can be applied as soon as deficiency symptoms appear. Provides a long-lasting effect.

COMPOSITION	w/v %	w/w %	g/l
Total Copper (Cu)	35,0	24,1	350

PHYSICAL PROPERTIES:

Density	1,45 kg/l
pH	5,5
Colour	Light blue
Solubility	100 % soluble
Physical state	Suspension



- **Provides uniform coverage of leaf surfaces**
- **Resistant to wash-off, providing a longer-lasting effect**
- **Improves crop quality and yield**
- **Copper increases plant tolerance to heat and cold**

Packaging: **1 l, 5 l, 10 l**

Dosage: **Suitable for all agricultural and horticultural crops.**
Foliar application: **0,25–0,5 l/ha**

VIVA FERTILIS

ULTRA S800

A concentrated sulphur suspension fertilizer with micronutrients, intended for supplementary and preventive foliar application. Efficiently supplies plants with sulphur during key growth stages, helps prevent sulphur deficiency, improves nutrient uptake and provides a long-lasting effect. Suitable for all crops with a high sulphur requirement.

COMPOSITION	w/v %	w/w %	g/l
Total Sulphur trioxide (SO_3)	200,0	140,8	2000
Total Sulphur (S)	80,0	56,3	800



- **High sulphur concentration for rapid plant nutrition**
- **Maximises nitrogen use efficiency**
- **Enhances protein synthesis, yield and crop quality**
- **Long-lasting effect; suitable for all sulphur-demanding crops**

PHYSICAL PROPERTIES:

Density	1,42 kg/l
pH	5,5
Colour	Light yellow
Solubility	100 % soluble
Physical state	Suspension

Packaging: **1 l, 5 l, 10 l**

Dosage: **Suitable for all agricultural and horticultural crops.**
Foliar application: **0,25–0,5 l/ha**

Biostimulants

VIVA FERTILIS

CONTENTS

ACTIV START

It is a liquid biostimulant, enriched with NPK, designed to stimulate and strengthen the development of the root system, as well as the biological activity of the soil. Once the roots begin to grow, the plant will quickly absorb the nutrients and energy from the product, improving root development.



- **Stimulates the rooting and development of the plants**
- **Gives strength and energy to the crop**
- **Effectively prevents nutrient deficiencies**
- **Helps the development and activity of microbial flora**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	5,0	4,1	50
Phosphorus pentoxide (P_2O_5), water-soluble	5,0	4,1	50
Potassium oxide (K_2O), water-soluble	3,1	2,5	31
Total amino acids	11,1	9,1	111
Free amino acids	8,9	7,3	89
Humic acids	6,4	5,3	64
Fulvic acids	16,5	13,5	165
Seaweed extract	6,0	5,0	60
Alginic acid	4,4	3,6	44
Organic matter	35,3	29,0	353
Brassinosteroid	0,2	0,17	2

PHYSICAL PROPERTIES:

Density	~ 1,20–1,22 kg/l
pH	2,8
Colour	Dark brown to black
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage:

- Foliar application 0,5–1 l/ha
- Irrigation system 2–4 l/ha
- Seed treatment 1 l / 1 t seeds

AMINO +300 (ECO) / AMINO +300 VITAMINO

Plants require more amino acids during times of stress to prevent nutritional deficiencies and promote growth. AMINO +300 is a high-quality amino acid supplement that contains increased levels of lysine, proline, and glutamine, which can enhance plant growth and resistance to unfavourable conditions.



- **Improves vegetative development**
- **Increases resilience and ability to recover from stress**
- **Neutralizes the negative effects of herbicides on the crop**
- **Increases the quantity and quality of the crop**

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,25–1 l/ha; Irrigation system 0,5–2 l/ha

	COMPOSITION	w/v %	w/w %	g/l
AMINO +300	Total Nitrogen (N)	4,9	4,0	49
	Organic Nitrogen (N_{org})	4,8	3,9	48
	Total amino acids	35,9	29,4	359
	Free amino acids	34,6	28,4	346
	Fulvic acids	16,2	13,7	162
	Organic carbon (C_{org})	30,5	25,0	305
	Organic matter	19,1	15,9	191
AMINO +300 VITAMINO	Copper (Cu-EDTA), water-soluble	0,02	0,017	0,2
	Iron (Fe-EDTA), water-soluble	0,04	0,035	0,4
	Manganese (Mn-EDTA), water-soluble	0,12	0,104	1,2
	Molybdenum (Mo), water-soluble	0,003	0,0026	0,03
	Zinc (Zn-EDTA), water-soluble	0,08	0,070	0,8
	B Vitamins (B1, B2, B6)	0,03	0,026	0,3

PHYSICAL PROPERTIES:

	AMINO +300	AMINO +300 VITAMINO
Density	~ 1,22 kg/l	1,12–1,20 kg/l
pH	6,3	5,0–6,0
Colour	Dark brown, black	Dark brown, black
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

HUMIBOOST (ECO)

This concentrated biostimulant is specially designed for fertilizing plant roots and leaves to enhance growth processes and ensure optimal nutrient absorption. The included humic, fulvic, and amino acids energize plants, especially under unfavourable growing conditions.



- **Improves soil structure**
- **Reduces stress and increases crop productivity**
- **Restores and activates the beneficial microflora of the soil**
- **Stimulates the development of the root system, improves plant nutrition**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	3,0	2,5	30
Organic Nitrogen (N_{org})	3,0	2,5	30
Potassium oxide (K_2O), water-soluble	3,4	2,8	34
Total humic extract	33,2	27,4	332
Humic acids	2,1	1,7	21
Fulvic acids	31,1	25,7	311
Total amino acid content	20,1	16,6	201
Free amino acids	18,3	15,1	183
Polysaccharides	27,3	22,6	273
Organic carbon (C_{org})	30,0	24,8	300
Organic matter content (in dry matter)	103,9	85,9	1039

PHYSICAL PROPERTIES:

Density	1,21 kg/l
pH	4,8–5,2
Colour	Dark brown, black
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 2–4 l/ha

Irrigation system 4–8 l/ha

HumiKAS

Advanced liquid biostimulant designed for use either as a standalone product or as an additive to liquid nitrogen UAN (urea–ammonium nitrate) fertilizers. The product activates soil biological processes, stimulates root system development, and improves nutrient uptake. When used in combination with UAN fertilizers, it increases nitrogen use efficiency, helps retain ammonium nitrogen in the soil, and reduces nitrogen losses.



- **Stimulates root system development**
- **Improves nutrient uptake**
- **Enhances nitrogen uptake from UAN fertilizers**
- **Reduces nitrogen losses in the soil**

COMPOSITION	w/v %	w/w %	g/l
Potassium oxide (K_2O), water-soluble	4,2	3,7	42
Total humic extract	17,0	14,9	170
Fulvic acids	4,0	3,5	40
Humic acids	13,0	11,4	130

PHYSICAL PROPERTIES:

Density	1,137 kg/l
pH	10,0–11,0
Colour	Dark brown, black
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 3–5 l/ha

Irrigation system 3–5 l/ha

HUMIEXTRACT 500

With its rich composition, it nourishes plants regularly and continuously. It stimulates plant enzymes and acts as a catalyst. Provides rapid and regular growth in plants. Promotes growth of the plant roots and makes it easier for plants to uptake the nutrients from soil. Soil microorganism viability increases.



- **Increases yield and quality**
- **Improves the soil structure**
- **Supports the development and activity of microbial flora**
- **Stimulates the rooting and plants development**

COMPOSITION	w/v %	w/w %	g/l
Total Nitrogen (N)	1,6	1,2	15,6
Organic Nitrogen (N_{org})	1,6	1,2	15,6
Phosphorus pentoxide (P_2O_5), water-soluble	2,0	1,5	20
Potassium oxide (K_2O), water-soluble	4,4	3,4	44
Total humic extract	50,0	39,1	500
Humic acids	4,0	3,1	40
Fulvic acids	46,0	35,9	460
Organic carbon (C_{org})	30,9	23,8	309

PHYSICAL PROPERTIES:

Density	1,20–1,30 kg/l
pH	~ 4,76
Colour	Dark brown, black
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage:

Foliar application
2–4 l/ha

Irrigation system
4–8 l/ha

VIVA BALANCE (ECO)

It is a product of organic origin, which contains humic and fulvic acids, potassium and amino acids. Higher bioactivity than similar other products. Food for soil bacteria.



- **Balanced composition**
- **Improves root and shoot growth**
- **Increases resistance to abiotic stress**
- **Stimulates the growth of beneficial microorganisms in the root zone**

COMPOSITION	w/w %
Total Nitrogen (N)	2,0
Organic Nitrogen (N_{org})	1,9
Potassium oxide (K_2O), water-soluble	6,9
Dry matter	89,3
Organic carbon (C_{org})	35,4
Ratio (C_{org}/N)	17,4
Total humic extract	61,2
Humic acids	9,2
Fulvic acids	52,0
Free amino acids	6,7
Total amino acids	7,6
Protein	12,0

PHYSICAL PROPERTIES:

Colour	Brown
Solubility	100 % soluble
Physical state	Solid

Packaging: **1 kg, 4 kg**

Dosage:

Foliar application
1–2 kg/ha

Irrigation system
2–3 kg/ha

VIVA FERTILIS

PLANT STIM

Accumulates the effectiveness of the best biostimulants in a single product. This exclusive and innovative formula can regulate the hormonal balance in all the phenological stages of the crops, providing non-essential amino acids with an osmoregulatory and anti-stress effect.



- **Stimulates the development of the root system**
- **Stimulates cell division and chlorophyll synthesis**
- **Strengthens the resistance of plants to stress**
- **Increases and improves crop quality**

COMPOSITION	w/v %	w/w %	g/l
Seaweed extract (*Ascophyllum nodosum, Sargassum, Laminaria japonica, Ecklonia maxima*)	15,0	13,0	150
Alginic acid	2,7	2,3	27
Free amino acids	10,0	8,7	100
L-Proline	0,2	0,17	2
Fulvic acids	10,0	8,7	100
Organic carbon (C_{org})	14,5	12,3	145
N-Acetyl-L-Cysteine	1,0	0,86	10
Vitamins B	0,01	0,009	0,1

PHYSICAL PROPERTIES:

Density	1,12–1,13 kg/l
pH	10,3–10,5
Colour	Dark brown, black
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

PLANT STIM ECO

This unique and innovative formula improves plant growth and development, influences nutrient uptake, promotes root development and increases the plant's tolerance to unfavourable growing conditions, especially drought and heat.



- **Promotes strong root system formation**
- **Enhances cell division and boosts chlorophyll production**
- **Improves plant tolerance to environmental stress**
- **Contributes to higher yields and better crop quality**

COMPOSITION	w/v %	w/w %	g/l
Alginic acid	2,7	2,3	27
Free amino acids	9,8	8,3	98
Fulvic acids	20,5	17,4	205
Organic matter	25,7	22,0	257
Organic carbon (C_{org})	14,5	12,3	145

PHYSICAL PROPERTIES:

Density	~ 1,128 kg/l
pH	10,3–10,5
Colour	Brown
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

Dosage: Foliar application 0,5–1 l/ha

Irrigation system 1–2 l/ha

HARMONY

The product is specially designed to promote plant growth and improve crop quality. It contains a unique blend of phytohormones and biostimulants that ensure stronger, healthier plants and higher yields.



- **Stimulates root and shoot development at all growth stages**
- **Enhances plant resistance to environmental stress**
- **Improves nutrient absorption and helps maintain hormonal balance**
- **Promotes flower formation, fruit set, and increases yield potential**

COMPOSITION	w/v %	w/w %	g/l
Kinetin	0,07	0,07	0,7
Auxin	0,01	0,01	0,1
Betaine	0,1	0,1	1
Proline	2,0	2,0	20
Triacontanol	0,003	0,003	0,03
Brassinosteroid	0,0001	0,0001	0,001

PHYSICAL PROPERTIES:

Density	1,01 kg/l
pH	9,5
Colour	Yellow
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l**

Dosage: Foliar application 0,1 l/ha

Irrigation system 0,1 l/ha

Water-soluble fertilizer

VIVA FERTILIS

CONTENTS

STARTER GROW NPK 8-40-6

Designed to feed the roots of all plants to meet their phosphorus needs. This unique combination of essential nutrients ensures the optimal development of plants' biomass, shoots, roots, flowers and fruits.



- **Stimulates the rooting and development of the plants**
- **Supports the plant's natural resistance**
- **Effectively prevents nutrient deficiencies**
- **Helps the development and activity of microbial flora**

COMPOSITION	w/w %
Total Nitrogen (N)	8,0
Ammoniacal Nitrogen ($N\text{-}NH_4$)	8,0
Phosphorus pentoxide (P_2O_5), water-soluble	40,0
Potassium oxide (K_2O), water-soluble	6,0
Humic acids	26,0
Fulvic acids	5,0
Azotobacter chroococcum	1×10^8 CFU/g

PHYSICAL PROPERTIES:

Colour	Brown
Solubility	100 % soluble
Physical state	Solid

Packaging: **1 kg, 4 kg**

Dosage:

Foliar application
1–2 kg/ha

Irrigation system
2–4 kg/ha

VIVA FERTILIS

STARTER GROW PK 30-20

The product contains a complete complex of macro and microelements, humic substances and microorganisms. This water-soluble fertilizer acts fast and dissolves completely in water, leaving no residue. Crops can absorb the nutrients directly by roots and leaves.



- **Improves root growth and increases plant energy**
- **Supplies the main elements, especially the phosphorus needed by plants**
- **Increases microbial diversity and activity, improving soil fertility**
- **Activates the soil, increases the assimilation of nitrogen, phosphorus, potassium, silicon and calcium**

COMPOSITION	w/w %
Phosphorus pentoxide (P_2O_5), water-soluble	30,0
Potassium oxide (K_2O), water-soluble	20,0
Manganese (Mn-EDTA), water-soluble	2,1
Total humic extract	17,6
Fulvic acids	17,6
Organic matter	17,1
L-Proline	0,2
Azotobacter chroococcum	1×10^8 CFU/g

PHYSICAL PROPERTIES:

Colour	Brown
Solubility	100 % soluble
Physical state	Solid

Packaging: **1 kg, 4 kg**

Dosage: Foliar application 1–2 kg/ha

Irrigation system 1–4 kg/ha

VIVA FERTILIS

Inoculants

CONTENTS

INO WHEAT (ECO)

A high-concentration complex biological inoculant combining mycorrhizal fungi, beneficial bacteria, and biostimulant substances. Intended for the seed treatment of wheat, rye, barley, sorghum, oats, spelt, and triticale.



- **Helps plant root development**
- **Encourages the plant to use its genetic potential**
- **The hyphal network of mycorrhizal fungi helps retain more water in the soil**
- **Converts poorly soluble P and K compounds into forms available to plants**

COMPOSITION ACTIV START (5 l)	**w/v %**	**w/w %**	**g/l**
Total Nitrogen (N)	5,0	4,1	50
Phosphorus pentoxide (P_2O_5), water-soluble	5,0	4,1	50
Potassium oxide (K_2O), water-soluble	3,1	2,5	31
Total amino acids	11,1	9,1	111
Free amino acids	8,9	7,3	89
Humic acids	6,4	5,3	64
Fulvic acids	16,5	13,5	165
Seaweed extract	6,0	5,0	60
Alginic acid	4,4	3,6	44
Organic matter	35,3	29,0	353
Brassinosteroid	0,2	0,17	2

COMPOSITION INO WHEAT (1 l)	**Quantity**
Microbial complex: *Bacillus megaterium, Bacillus velezensis, Bacillus pumilus, Paenibacillus polymyxa, Bacillus licheniformis, Paenibacillus mucilaginosus.*	> 4×10^9 CFU/ml
Mycorrhizal complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum.*	

PHYSICAL PROPERTIES:

	5 l	**1 l**
Density	1,20–1,22 kg/l	1,10–1,12 kg/l
pH	2,8	5,0–6,0
Colour	Dark brown to black	Yellow
Solubility	Soluble	Soluble
Physical state	Solution	Suspension

Packaging: **5 l + 1 l** **Dosage:** Seed treatment
5 l (ACTIV START) +
1 l (INO WHEAT) to 5 t of seed

VIVA FERTILIS

INO RHIZ

A concentrated **liquid biological inoculant** containing mycorrhizal fungi, plant growth-promoting bacteria (PGPB), and biostimulating compounds. Designed for use **during planting, after transplanting, or on already growing** vegetable seedlings, fruit trees, berry plants, and ornamentals.



- **Helps plant root development**
- **Encourages the plant to use its genetic potential**
- **The hyphal network of mycorrhizal fungi helps retain more water in the soil**
- **Converts poorly soluble P and K compounds into forms available to plants**

COMPOSITION HUMIBOOST (5 l)	**w/v %**	**w/w %**	**g/l**	**COMPOSITION** INO RHIZ (1 l)	**Quantity**
Total Nitrogen (N)	3,0	2,5	30	**Microbial complex:** *Bacillus subtilis, Bacillus amyloliquefaciens, Bacillus velezensis, Bacillus mucilaginosus, Cytobacillus (Bacillus) firmus, Paenibacillus polymyxa, Priestia megaterium, Azotobacter chroococcum, Streptomyces microflavus, Paecilomyces lilacinus, Trichoderma harzianum*	> 1×10^9 CFU/ml
Organic Nitrogen (N_{org})	3,0	2,5	30		
Potassium oxide (K_2O), water-soluble	3,4	2,8	34		
Total humic extract	33,2	27,4	332		
Humic acids	2,1	1,7	21		
Fulvic acids	31,1	25,7	311		
Total amino acid content	20,1	16,6	201	**Mycorrhizal complex:** *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 10^3 spores/ml
Free amino acids	18,3	15,1	183		
Polysaccharides	27,3	22,6	273		
Organic carbon (C_{org})	30,0	24,8	300		
Organic matter content (in dry matter)	103,9	85,9	1039		

PHYSICAL PROPERTIES:

	5 l	**1 l**
Density	1,20–1,22 kg/l	1,10–1,12 kg/l
pH	2,8	5,0–6,0
Colour	Dark brown to black	Yellow
Solubility	Soluble	Soluble
Physical state	Liquid	Liquid

Packaging: **5 l + 1 l** **Dosage:** After planting or transplanting and for plants growing through an irrigation system: 5 l (HUMIBOOST) + 1 l (INO RHIZ) per 600–800 l water

VIVA FERTILIS

INO BRASSICA (ECO)

The bacterial spores coat the canola seeds and remain dormant until the seeds begin to germinate. As they germinate, bacteria colonize the root system. INO BRASSICA increases plant tolerance to abiotic stress and stimulates the production of phytohormones, so rapeseed grows healthier and more vibrant and accumulates more nutrients needed for overwintering.

COMPOSITION	Quantity
Microbial complex: *Bacillus licheniformis, Paenibacillus polymyxa, Paenibacillus mucilaginosus, Bacillus amyloliquefaciens, Bacillus velezensis*	> 1×10^{10} CFU/g



- **Increases P and K availability and uptake**
- **Increases seed germination energy even under stressful conditions**
- **Forms a strong root system rapidly**
- **Reduces biotic stress and keeps the plant healthy throughout the entire growing season**

PHYSICAL PROPERTIES:

Colour	Grey
Solubility	NOT soluble
Physical state	Powder

Packaging: **50 g**

Dosage: Seed treatment
Recommended for all Brassica family seeds

- **Rapeseed:** 50 g for 1,5 million seeds
- **Mustard:** 50 g for 10 kg of seeds
- **Sugar beet, red beet:** 50 g for 3 sowing units

VIVA FERTILIS

INO VEGETABLE (ECO)

Dry complex biological inoculant intended for application of vegetable seeds directly in a bag or seed box. Bacterial spores with mycorrhizal fungi coat vegetable seeds and remain dormant until the seeds begin to germinate. As they germinate, microorganisms colonize the root system.

COMPOSITION	Quantity
Microbial complex: *Azotobacter chroococcum, Bacillus subtilis, Cytobacillus (Bacillus) firmus, Paenibacillus mucilaginosus, Bacillus amyloliquefaciens, Bacillus velezensis, Priestia megaterium, Paenibacillus polymyxa, Streptomyces microflavus, Penicillium bilaiae, Trichoderma harzianum*	> 1×10^9 CFU/g
Mycorrhizal complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 10^3 spores/g
Organic matter	20 %



- **These bacteria and mycorrhizae stimulate faster seed germination**
- **More uniform plant growth**
- **Faster formation of strong roots**
- **Increases resistance to abiotic stress**

PHYSICAL PROPERTIES:

Colour	Grey
Solubility	NOT soluble
Physical state	Powder

Packaging: **50 g**

Dosage: Seed treatment
1 g for 100 g of seeds (Cucumbers, Tomatoes, Peppers, Onions, Carrots, Broccoli, Cauliflower, Spinach, Celery)

VIVA FERTILIS

INO CORN (ECO)

Dry complex biological inoculant designed for coating maize, sunflower seeds directly in the bag or in the seed hopper of the planter. Bacterial spores adhere to the seeds and become active only when the seeds begin to germinate. During germination, the bacteria colonize the root system.



- **Increases seed germination energy even under stress conditions**
- **Rapid formation of a strong root system**
- **Converts poorly soluble phosphorus and potassium compounds into forms available to plants**
- **The hyphal network of mycorrhizal fungi helps retain more water in the soil**

COMPOSITION	Quantity
Microbial complex: *Paenibacillus mucilaginosus, Paenibacillus polymyxa, Bacillus velezensis, Bacillus amyloliquefaciens, Azotobacter chroococcum, Trichoderma viride, Penicillium bilaiae*	> 1×10^{9} CFU/g
Mycorrhizal complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 10^{3} spores/g

PHYSICAL PROPERTIES:

Colour	Grey
Solubility	NOT soluble
Physical state	Powder

Packaging: **50 g, 1 kg**

Dosage: Seed treatment
50 g for 7–10 kg of Corn seeds

VIVA FERTILIS

INO LEGUME (ECO)

The product is intended for soybeans and legumes. It contains a mixture of bioactive nitrogen-fixing, phosphorus- and potassium-solubilizing bacteria that allow crops to reach their maximum yield potential throughout the crop cycle, contributing to greater productivity and profitability.



- **Improves soil activity**
- **Increases the assimilation of nitrogen, phosphorus, potassium**
- **Increases crop uptake of nutrients from the soil**
- **Encourages the plant to utilize its genetic potential**

COMPOSITION	Quantity
Microbial complex: *Bacillus subtilis, Bacillus velezensis, Priestia megaterium, Paenibacillus polymyxa, Paenibacillus mucilaginosa, Bradyrhizobium japonicum*	> 1×10^{9} CFU/ml
Mycorrhizal complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 10^{3} spores/ml

PHYSICAL PROPERTIES:

Density	1,10–1,12 kg/l
pH	5,0–6,0
Colour	Yellow
Solubility	Soluble
Physical state	Suspension

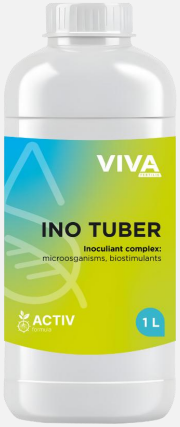
Packaging: **1 l**

Dosage: Seed treatment
0,5 l for 80–120 kg of seeds (Soybeans, Peas, Beans and other legumes)

VIVA FERTILIS

INO TUBER (ECO)

The inoculant concentrate for the inoculation of tubers of potatoes and other tuberous vegetables should be sprayed as evenly as possible to cover the entire surface of the seed. The bacterial spores coat the seed tuber and remain dormant until the seeds begin to germinate.



- **Converts poorly soluble phosphorus and potassium compounds in the soil into forms available to plants**
- **Stimulates the production of phytohormones in the plant**
- **Mycorrhizal fungi effectively supply plants with water and nutrients**
- **Increases resistance to abiotic stress**

COMPOSITION	Quantity
Microorganism complex: *Bacillus subtilis, Bacillus amyloliquefaciens, Cytobacillus firmus (formerly Bacillus firmus), Paenibacillus polymyxa, Priestia megaterium (formerly Bacillus megaterium), Penicillium bilaiae, Paecilomyces lilacinus*	> 3×10^9 CFU/ml
Mycorrhizal complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 10^3 spores/ml

PHYSICAL PROPERTIES:

Density	1,10–1,12 kg/l
pH	5,0–6,0
Colour	Yellow
Solubility	Soluble
Physical state	Liquid

Packaging: **1 l**

Dosage:

Tubers treatment
- 50 ml/100 kg **Potato tubers**
- 50 ml/20–30 kg for **Garlic seeds**
- 50 ml/5 l water and spray on the **Ginger seeds**

VIVA FERTILIS

INO FOREST

The dry complex biological inoculant INO FOREST LEAF is intended for coating the seeds of deciduous trees before sowing and INO FOREST PINE is intended for coating the seeds of coniferous trees before sowing. Bacteria and mycorrhizal spores cover the seeds and remain dormant until the seeds begin to germinate. During germination, the microorganisms colonize the root system.



- **Improves seed germination and early growth**
- **Stimulates root system development**
- **Increases resistance to unfavourable growing conditions**
- **Creates a beneficial microbial environment in the soil**

Packaging: **50 g, 1 kg**

Dosage: Seed treatment
50 g for 7–10 kg of seeds (leaf, pine)

COMPOSITION INO FOREST LEAF	Quantity
Microbial complex: *Azotobacter chroococcum, Bacillus subtilis, Bacillus megaterium, Bacillus mucilaginosus, Streptomyces microflavus, Trichoderma harzianum*	> 1×10^9 CFU/g
Mycorrhizal complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 1×10^3 spores/g
Organic matter	10 %

COMPOSITION INO FOREST PINE	Quantity
Microbial complex: *Azotobacter chroococcum, Bacillus subtilis, Bacillus megaterium, Bacillus mucilaginosus, Streptomyces microflavus, Trichoderma harzianum*	> 1×10^9 CFU/g
Mycorrhizal complex: *Rhizopogon villosulus, Rhizopogon fulvigleba, Rhizopogon luteolus, Rhizopogon amylopogon, Pisolithus tinctorius, Suillus granulatus, Scleroderma citrinum, Scleroderma cepa, Laccaria laccata, Laccaria bicolor*	> 1×10^3 spores/g
Organic matter	10 %

PHYSICAL PROPERTIES:

Colour	Grey
Solubility	NOT soluble
Physical state	Powder

INO LAWN

Dry complex biological inoculant intended for application of lawn seeds directly in a bag or seed box. Bacterial spores with mycorrhizal fungi coat lawn seeds and remain dormant until the seeds begin to germinate. As they germinate, microorganisms colonize the root system.

COMPOSITION	Quantity
Microbial complex: *Bacillus licheniformis, Bacillus subtilis, Bacillus megaterium, Bacillus mucilaginosus, Bacillus velezensis*	> 1×10^9 CFU/g
Mycorrhizae content: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	> 1×10^3 spores/g
Organic matter	10 %



- **Promotes denser and lusher lawn growth**
- **Strengthens the root system and improves nutrient uptake**
- **Increases resistance to drought and other environmental stress**
- **Enhances soil microbiological health and vitality**

PHYSICAL PROPERTIES:

Colour	Grey
Solubility	NOT soluble
Physical state	Powder

Packaging: **50 g, 1 kg**

Dosage: Seed treatment
50 g for 7–10 kg of Lawn seeds

VIVA FERTILIS

Biological products

VIVA FERTILIS

CONTENTS

BACTOMIX Destructor (ECO)

Organic residue decomposer

Complex microorganism enzyme preparation designed to accelerate the process of humification and mineralization of crop residues and to reduce the viability of pathogens. By breaking down organic residues and restoring humus, the preparation enriches the soil with nutrients and transforms them into forms that are easily absorbed by plants.



- **Acceleration of decomposition and mineralization of plant residues**
- **Improving the soil and reducing the number of pathogenic microflora**
- **The return of nutrients localized in plant residues to the soil**
- **Ensuring optimal density, moisture retention, and soil structure**

COMPOSITION	Quantity
Microbial complex: *Bacillus subtilis, Bacillus licheniformis, Bacillus pumilus, Trichoderma viride, Trichoderma harzianum, Aspergillus oryzae*	> 1×10^9 CFU/g
Total Nitrogen (N)	0,3 %
Total Potassium oxide (K_2O)	0,2 %
Total humic extract	35,7 %
Organic matter	61,0 %
Moisture	8,0 %

PHYSICAL PROPERTIES:

pH	7,25
Colour	Grey
Solubility	Soluble
Physical state	Powder

Packaging: **1 kg, 4 kg** **Dosage:** 0,5–1 kg/ha

VIVA FERTILIS

BACTOMIX Power (ECO)

Water-soluble dry microbial soil inoculant based on a complex of bacteria, mycorrhizal fungi and seaweed. It actively colonizes plant roots, improves soil structure, fixes atmospheric nitrogen and converts phosphorus, potassium and silicon into forms that are easily absorbed by plants.



- **Actively colonizes plant roots and improves the root environment**
- **Improves soil structure and restores its biological activity**
- **Fixes atmospheric nitrogen and supplements plant nutrition**
- **Converts phosphorus, potassium and silicon into easily absorbed forms**

COMPOSITION	Quantity
Microbial complex: *Azotobacter chroococcum*, *Priestia megaterium*, *Paenibacillus mucilaginosus*, *Paenibacillus polymyxa*	$1{,}7\times10^{10}$ CFU/g
Mycorrhizal fungi: *Rhizophagus intraradices*, *Septoglomus deserticola*, *Funneliformis mosseae*, *Claroideoglomus etunicatum*, *Claroideoglomus claroideum*	1×10^{3} spores/g
Total Nitrogen (N)	0,5 %
Total Potassium oxide (K_2O)	4,0 %
Alginic acid	61,2 %
Organic matter	81,7 %
Moisture	10 %

PHYSICAL PROPERTIES:

pH	10
Colour	Brown
Solubility	Soluble
Physical state	Powder

Packaging: **1 kg, 4 kg**

Dosage: 0,2–1 kg/ha

VIVA FERTILIS

BACTOMIX BACTODOC (ECO)

Water-soluble dry microbial soil inoculant based on a complex of bacteria, mycorrhizal fungi, humic and fulvic acids and free amino acids. It actively colonizes plant roots, improves soil structure and plant metabolism, fixes atmospheric nitrogen and converts phosphorus, potassium and silicon into forms that are easily absorbed by plants.



- **Actively colonizes plant roots**
- **Improves soil structure and plant metabolism**
- **Fixes atmospheric nitrogen**
- **Converts phosphorus, potassium and silicon into easily absorbed forms**

COMPOSITION	Quantity
Microbial complex: *Bacillus licheniformis*, *Bacillus pumilus*, *Bacillus amyloliquefaciens*, *Bacillus subtilis*, *Bacillus velezensis*, *Streptomyces microflavus*	$4{,}2\times10^{10}$ CFU/g
Mycorrhizal fungi: *Rhizophagus intraradices*, *Septoglomus deserticola*, *Funneliformis mosseae*, *Claroideoglomus etunicatum*, *Claroideoglomus claroideum*	1×10^{3} spores/g
Total Nitrogen (N)	0,8 %
Total Potassium oxide (K_2O)	1,1 %
Humic acids	6,6 %
Fulvic acids	49,2 %
Free amino acids	2,3 %
Organic matter	73,9 %
Moisture	12,4 %

PHYSICAL PROPERTIES:

pH	7,9
Colour	Brown
Solubility	Soluble
Physical state	Powder

Packaging: **1 kg, 4 kg**

Dosage: Foliar application 0,2 kg/ha

Irrigation system 0,2–1 kg/ha

VIVA FERTILIS

BACTOMIX TRIHO

Colonizes plant roots and produces compounds that stimulate plant growth and improve root microenvironment. Helps plants to better withstand stress and has a long-lasting performance. Solubilizes phosphates and micronutrients.

COMPOSITION	Quantity
Microbial complex: *Trichoderma harzianum, Trichoderma viride*	> 5×10^8 CFU/g

PHYSICAL PROPERTIES:

pH	6–8
Colour	Grey
Solubility	Soluble
Physical state	Powder



- **Enriches soil with beneficial microorganisms**
- **Reduces the need for chemical fertilizers and pesticides**
- **Provides sustained nutrition to plants for extended periods**
- **Stimulates root development and improves nutrient absorption**

Packaging: **50 g, 1 kg**

Dosage: Foliar application 0,7–1 kg/ha

Irrigation system 0,7–1,5 kg/ha

VIVA FERTILIS

BACTOMIX MYCO

BACTOMIX MYCO is a powdered mycorrhizal inoculant consisting of 5 types of endomycorrhizal fungi and specially formulated additives, perfectly suited to different soils, climates and plants. It helps restore soil biodiversity and ensure plant performance.

COMPOSITION	Quantity
Mycorrhizae complex: *Rhizophagus intraradices, Septoglomus deserticola, Funneliformis mosseae, Claroideoglomus etunicatum, Claroideoglomus claroideum*	500 000 spores/kg
Organic matter (humic/fulvic acids)	50 %



- **Improves plant root growth and development**
- **Enhances water and nutrient uptake in plants**
- **Increases the uptake and mobilization of phosphate in all crops**
- **Increases resistance to abiotic stress**

PHYSICAL PROPERTIES:

Colour	Brown
Solubility	Soluble
Physical state	Powder

Packaging: **1 kg, 4 kg**

Dosage: Foliar application 0,7–1 kg/ha

Irrigation system 0,7–1,5 kg/ha

VIVA FERTILIS

Water correctors

CONTENTS

ELIT LF

ELIT LF is a product that reduces the surface tension of the solution and particularly improves the dispersion of water droplets, reduces the amount of fine particles generated during spraying, which significantly reduces spray drift. A better penetration of the solution through the stomata of the plant increases the absorption of phytosanitary products.

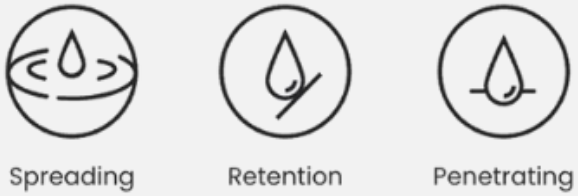
COMPOSITION	w/w %
Polyether modified trisiloxane	100

PHYSICAL PROPERTIES:

Density	~ 1,05 kg/l
pH	6,7–6,8
Colour	Clear
Solubility	100 % soluble
Physical state	Solution



- **Increases the penetration of active substances into the plant**
- **Spreads spray droplets on the leaf and improves rainfastness**
- **Increases the effectiveness of pesticides by up to 20 %**
- **The amount of water sprayed can be reduced by 30 %**



Packaging: **5 l**

Dosage: Spraying with plant growth regulators and fungicides: **50–100 ml/200 l water**
Spraying with herbicides, insecticides, fertilizers and trace elements: **100–200 ml/200 l water**

pH FOCUS

Water hardness conditioner and pH regulator that softens hard water by chelating calcium, magnesium, and iron ions, so the active substances remain stable, preventing the formation of sediments. Product lowers the pH of water, which prevents alkaline hydrolysis.



- **Lowers the pH to 6,0–6,5, which will benefit most pesticides**
- **Reduces the risk of pesticide ineffectiveness and additional costs**
- **Relatively low dosage**
- **Easy to use, liquid form**

COMPOSITION

HEDP, phosphoric acid, sulphuric acid

PHYSICAL PROPERTIES:

Density	~ 1,28–1,30 kg/l
pH	~ 1
Colour	Clear
Solubility	100 % soluble
Physical state	Solution



pH Buffering



Softening

Packaging: **1 l, 5 l, 10 l, 20 l** **Dosage:** 10–20 ml / 100 l medium hard water
20–30 ml / 100 l very hard water

ANTIFUMA

ANTIFUMA is a superior anti-foaming agent designed for use with all crop protection inputs to prevent the formation of foam in the spray tank at filling. It is also highly effective at removing foam generated during the filling process should the need arise.

COMPOSITION	W/W %
Polydimethylsiloxane	**18–22**

PHYSICAL PROPERTIES:

Density	~ 1,00–1,05 kg/l
pH	~ 6,8–8,0
Colour	Clear
Solubility	100 % soluble
Physical state	Solution



- **Easily soluble in water and easy to use**
- **May be mixed with all pesticides and fertilizers**
- **Allows the sprayer to be completely filled with the solution**
- **Fast defoaming speed, good foam suppression durability**

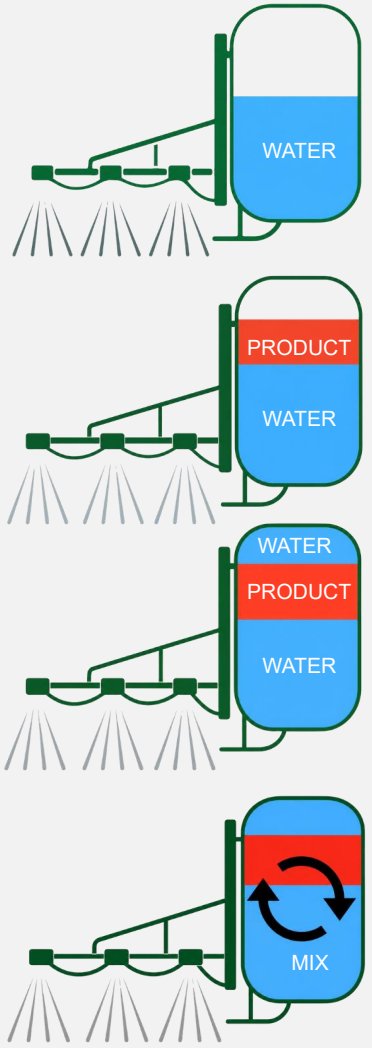


Packaging: **1 l, 5 l**

Dosage: 2–4 ml / 200 l water

PRODUCT MIXING ORDER

1. **Water conditioner**
2. **Soluble products** (Plant protection products and/or solid fertilizers)
3. **Products added in order of increasing pH** (phosphoric acid, sulphates etc.)
4. **Suspensions**
5. **Organic products**
6. **Plant protection products** (suspension concentrates, emulsion concentrates, solutions etc.)
7. **Alkaline products** (boron, potassium, silicon etc.)
8. **Bacterial products**
9. **Surface-active agent** (SAA / adjuvant)



VIVA FERTILIS

DRON PATRON

VIVA FERTILIS

CONTENTS

DRON PATRON

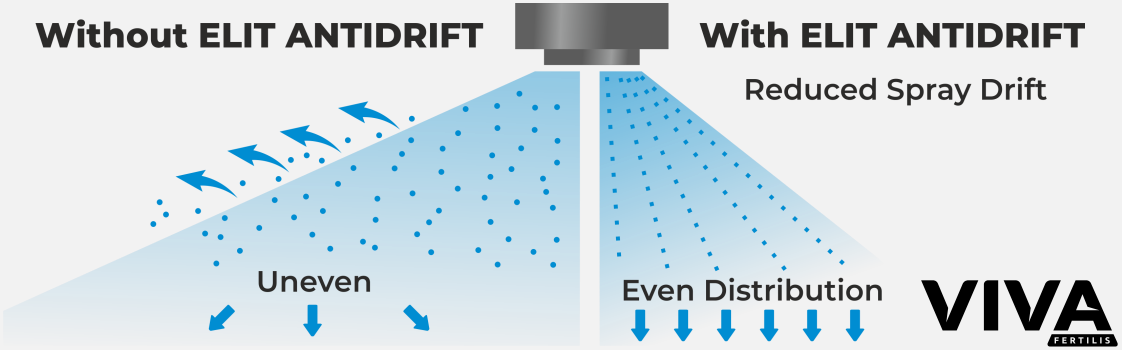
A specialized line of liquid fertilizers for drone spraying

Why choose fertilizers for drones?

- **Efficiency:** Drones can cover **50 to 100 hectares per day**, depending on the model and conditions.
- **Cost savings:** Precise application allows for **up to 30 % savings on fertilizers and pesticides.**
- **Lower water usage:** Advanced spraying technology enables up to **90 % water savings** compared to traditional methods.
- **Reduced drift:** Special additives in the formulation **minimize spray drift** and improve adhesion to plant surfaces.
- **No plant stress:** Trials have confirmed that recommended application rates do not burn leaves or stress plants—on the contrary, they help to reduce stress.

ELIT ANTIDRIFT is a polymeric adjuvant engineered to reduce the number of fine particles created during spray applications, thereby significantly reducing spray drift.

- **Actively reduces spray drift**
- **Increases spray accuracy**
- **Allows for safer applications**
- **Reduces the number of fine spray particles**



DRON PATRON ALFA S (ECO)





COMPOSITION ALFA S (5 l)	w/v %	w/w %	g/l
Sulphur trioxide (SO_3), water-soluble	24,5	17,1	245
Copper (Cu), water-soluble	2,7	1,9	27
Manganese (Mn), water-soluble	8,7	6,2	87
Zinc (Zn), water-soluble	5,6	3,9	56
Free amino acids	3,8	2,7	38
L-Proline	0,2	0,14	2

COMPOSITION ELIT ANTIDRIFT (250 ml)	w/w %
Polyether modified trisiloxane	20,0
Methyl oleate	60,0

PHYSICAL PROPERTIES:

	5 l	250 ml
Density	1,40–1,43 kg/l	~ 1,05 kg/l
pH	2,0–2,1	6,7–6,8
Colour	Blue	Clear
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

Packaging: **5 l + 250 ml** **Dosage:** Foliar application: **ALFA S** 0,7–1,5 + **ELIT ANTIDRIFT** 0,25–0,5 l/ha

DRON PATRON ALFA BRASSICA





COMPOSITION ALFA BRASSICA (5 l)	w/v %	w/w %	g/l
Magnesium oxide (MgO), water-soluble	4,1	2,9	41
Sulphur trioxide (SO_3), water-soluble	23,8	17,0	238
Manganese (Mn), water-soluble	8,4	6,0	84
Molybdenum (Mo), water-soluble	0,5	0,35	5
Zinc (Zn), water-soluble	1,5	1,07	15
Free amino acids	4,5	3,21	45

COMPOSITION ELIT ANTIDRIFT (250 ml)	w/w %
Polyether modified trisiloxane	20,0
Methyl oleate	60,0

PHYSICAL PROPERTIES:

	5 l	**250 ml**
Density	1,40–1,43 kg/l	~ 1,05 kg/l
pH	2,4–2,6	6,7–6,8
Colour	Yellow brown	Clear
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

Packaging: **5 l + 250 ml** **Dosage:** Foliar application: **ALFA BRASSICA** 0,7–1,5 + **ELIT ANTIDRIFT** 0,25–0,5 l/ha

DRON PATRON MOLBOR



COMPOSITION MOLBOR (5 l)	**w/v %**	**w/w %**	**g/l**
Total Nitrogen (N)	5,1	4,0	51
Amide Nitrogen ($N\text{-}NH_2$)	5,1	4,0	51
Boron (B), water-soluble	12,0	9,4	120
Molybdenum (Mo), water-soluble	0,5	0,38	5
Free amino acids	4,0	3,1	40

COMPOSITION ELIT ANTIDRIFT (250 ml)	**w/w %**
Polyether modified trisiloxane	20,0
Methyl oleate	60,0

PHYSICAL PROPERTIES:

	5 l	**250 ml**
Density	1,28–1,30 kg/l	~ 1,05 kg/l
pH	7,5–8,5	6,7–6,8
Colour	Yellowish to brownish	Clear
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

Packaging: **5 l + 250 ml** **Dosage:** Foliar application: **MOLBOR** 0,7–1,5 + **ELIT ANTIDRIFT** 0,25–0,5 l/ha

DRON PATRON K +AA





COMPOSITION K +AA (5 l)	w/v %	w/w %	g/l
Potassium oxide (K_2O), water-soluble	40,0	28,6	400
L-Proline	0,2	0,14	2
Organic carbon (Corg)	17,5	12,5	175
Dry matter	84,0	60,0	840

COMPOSITION ELIT ANTIDRIFT (250 ml)	w/w %
Polyether modified trisiloxane	20,0
Methyl oleate	60,0

PHYSICAL PROPERTIES:

	5 l	**250 ml**
Density	1,39–1,44 kg/l	~ 1,05 kg/l
pH	6,0–6,5	6,7–6,8
Colour	Clear	Clear
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

Packaging: **5 l + 250 ml** **Dosage:** Foliar application: **K +AA** 0,7–1,5 + **ELIT ANTIDRIFT** 0,25–0,5 l/ha

DRON PATRON PLANT STIM ECO





COMPOSITION PLANT STIM ECO (5 l)	**w/v %**	**w/w %**	**g/l**
Alginic acid	2,7	2,3	27
Free amino acids	9,8	8,3	98
Fulvic acids	20,5	17,4	205
Organic matter	25,7	22,0	257
Organic carbon (C_{org})	14,5	12,3	145

COMPOSITION ELIT ANTIDRIFT (250 ml)	**w/w %**
Polyether modified trisiloxane	20,0
Methyl oleate	60,0

PHYSICAL PROPERTIES:

	5 l	**250 ml**
Density	~ 1,128 kg/l	~ 1,05 kg/l
pH	10,3–10,5	6,7–6,8
Colour	Brown	Clear
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

Packaging: **5 l + 250 ml** **Dosage:** Foliar application: **PLANT STIM ECO** 0,7–1,5 + **ELIT ANTIDRIFT** 0,25–0,5 l/ha

DRON PATRON N32



COMPOSITION VIVAGEL N32 (5 l)	**w/v %**	**w/w %**	**g/l**
Total Nitrogen (N)	42,0	32,0	420
Ammoniacal Nitrogen ($N\text{-}NH_4$)	10,5	8,0	105
Nitrate Nitrogen ($N\text{-}NO_3$)	10,5	8,0	105
Amide Nitrogen ($N\text{-}NH_2$)	21,0	16,0	210

COMPOSITION ELIT ANTIDRIFT (250 ml)	**w/w %**
Polyether modified trisiloxane	20,0
Methyl oleate	60,0

PHYSICAL PROPERTIES:

	5 l	**250 ml**
Density	~1,30–1,35 kg/l	~ 1,05 kg/l
pH	6,5 – 7,5	6,7–6,8
Colour	Clear	Clear
Solubility	100 % soluble	100 % soluble
Physical state	Solution	Solution

Packaging: **5 l + 250 ml**

Dosage: Foliar application: **VIVAGEL N32** Tree crops (olive trees, fruit trees): 0,5–1 l/ha, Field crops (vegetables, cereals, legumes): 8–10 l/ha. + **ELIT ANTIDRIFT** 50 ml for each liter of product.

VIVA FERTILIS

Trees & shrubs

CONTENTS

PROTECTOR 4TREE

Pruning spray intended for wounds of fruit trees and ornamental plants caused by pruning, grafting, animal damage or splitting of bark. Convenient to use in hard-to-reach spots, works well both in cold and warm weather.

COMPOSITION

3-iodo-2-propynyl butyl carbamate

PHYSICAL PROPERTIES:

Density	0,627 kg/l
Colour	Brown
Physical state	Aerosol



- **Provides protection against harmful environmental effects**
- **The area covered with the sealer does not crack or dry out**
- **The sealer evenly covers smooth and uneven, wet and dry surfaces**
- **Natural brown colour of the sealant does not distort the aesthetic appearance of plants**

Packaging: **500 ml**

Dosage: Spray on the pruned branch for 2–3 seconds at a distance of 15–20 cm until it is covered with colour

ARMADURA

A tree trunk protector is an effective mechanical tool designed to safeguard the bark of tree trunks from damage by hares, mice, roe-deer, beavers, and other rodents.



- **Colourless**
- **Allows the tree trunk to breathe without affecting its growth**
- **Remains effective for many years**

Packaging: **3 kg; 10 kg**

COMPOSITION

Acrylic emulsion with sand filler

PHYSICAL PROPERTIES:

Colour	White
Physical state	Suspension

Dosage:

- Tree diameter 8–10 cm: **200–300 g** per tree
- Tree diameter 10–15 cm: **300–400 g** per tree
- Tree diameter 15–18 cm: **400–500 g** per tree

VIVA FERTILIS

Other products

CONTENTS

IZZI CLEANER

Spray tank and equipment cleaner is an advanced liquid formulation containing chelating agents, surfactants, detergents, and sequestrants. It has been specially developed for cleaning spray tanks to remove hard-to-clean residues of agricultural chemicals, deposits, and oily substances from tanks, mixing systems, nozzles, and filters.



- **No equipment damage**
- **Removes chemical residues**
- **Maintains the effectiveness of sprayers**
- **Cleans tanks, nozzles, filters, and other equipment**

COMPOSITION

15–30 % anionic surfactants, 5–15 % non-ionic surfactants, <5 % phosphonates

PHYSICAL PROPERTIES:

Density	1,08 kg/l
pH	~ 9–10
Colour	Light yellow to brown
Solubility	100 % soluble
Physical state	Solution

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l Dosage:** 100 l container: 0,25 l/50 l water

VIVA FERTILIS

MAXIMUS stabil

An additive that increases the efficiency of nitrogen fertilizers, improves crop productivity, and reduces environmental pollution. It inhibits urease activity, slows down urea decomposition, and reduces ammonia volatilization and urea-based nitrogen losses from liquid or granular synthetic fertilizers.



- **Reduces nitrogen losses by slowing urea breakdown**
- **Improves fertilizer efficiency by delivering nitrogen to roots**
- **Enhances crop yield through longer nitrogen availability**
- **Reduces environmental impact by limiting emissions and leaching**

COMPOSITION	w/w %
N-(n-butyl) thiophosphoric triamide (NBPT)	20,0

PHYSICAL PROPERTIES:

Density	1,0 kg/l
pH	7,5–7,7
Colour	Light yellow
Solubility	100 % soluble
Physical state	Solution

Dosage:

For additional foliar fertilization: **1,0–1,5 l / 1000 kg of dissolved urea**

For coating urea granules: **1,5–2,0 l / 1000 kg of granular urea**

Mixing with liquid nitrogen fertilizers (clay, loam, humus-rich, fertile soils): **0,10–0,15 l / 100 l of UAN-32**

Mixing with liquid nitrogen fertilizers (sandy and sandy loam soils): **0,10 l / 100 l of UAN-32**

Packaging: **1 l, 5 l, 10 l, 20 l, 1000 l**

VIVA FERTILIS

Let’s turn our partnership into a long-term market success.

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