



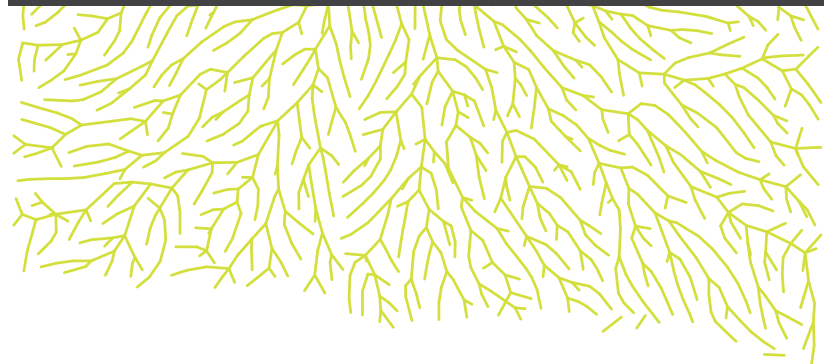
LAS RAÍCES

Agricultural Technologies S.L.

*Broaden Your Vision
Deepen Your Roots.*



*Advanced Plant
Nutrition Solutions*

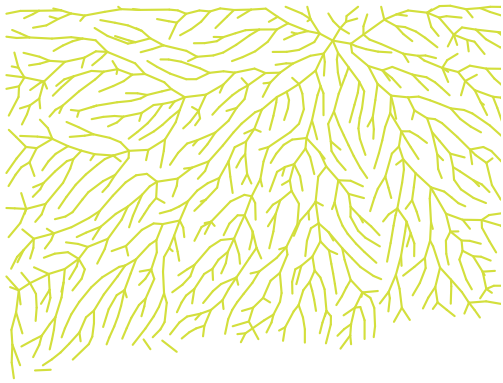


www.las-raices.com



Leading
the Way in
**Modern
Agriculture**
Innovation & Excellence





ABOUT US

Las Raíces Agricultural Technologies is a Spanish company specialized in advanced plant nutrition solutions for modern agriculture.

Combining agronomic expertise, innovation, and European quality standards, we develop high-performance fertilizers designed to improve crop productivity, plant resilience, and soil vitality.

Our mission is to deliver efficient and sustainable agricultural technologies that help growers achieve stronger results in an evolving agricultural landscape.

Our products abide by:



“Rooted in
Innovation.
Driven by
Results.”





OUR VISION

To enrich the roots of the agricultural and food industry's tree from choosing the optimum seed to delivering and harvesting it at its best quality.

OUR MISSION

Empowering sustainable agriculture through innovative fertilizers and premium seeds, while fostering growth and resilience for farmers world wide.

Special Fert



VerdeRaiz

Liquid organic fertilizer rich in NK for application by fertigation, with a high content of **organic matter** that Facilitates a better **soil structure**, Improves Soil Fertility, improves **nutrient absorption and plant functions**.

Fulvic Acids	27,00 % w/w
Total Nitrogen (N)	0,80 % w/w
Organic Nitrogen (N)	0,80 % w/w
Potassium (K ₂ O) water soluble	5,00 % w/w
Organic Carbon (C)	18,50 % w/w
C/N Ratio	23,13
Organic Matter	32,00 % w/w
pH	5,00
Density	1,20 g/cc

HumoRaiz

Organic product based on a formulation of liquid **humic** and **fulvic acids** extracted from carefully selected **natural leonhardite**. HumoRaiz increases the solubility of **metallic elements** through **carboxylic groups**.

HumoRaiz 16

Total Humic Extract (THE)	16,00 % w/w
Humic acids	10,00 % w/w
Fulvic acids	6,00 % w/w
Potassium (K ₂ O) water soluble	4,00 % w/w
pH	11,50
Density	1,12 g/cc

HumoRaiz 26

Total Humic Extract (THE)	26,00 % w/w
Humic acids	10,00 % w/w
Fulvic acids	16,00 % w/w
Potassium (K ₂ O) water soluble	8,00 % w/w
pH	11,50
Density	1,18 g/cc



Special Fertilizers

CalRaiz

Fully soluble liquid product formulated with **calcium complexed** with **organic** acids, such as **heptagluconates** and lignosulfonates, suitable for both foliar and **root application**. It has been developed to provide calcium effectively and to counteract the negative effects caused by excess sodium in soils and irrigation water.

Calcium Oxide (CaO) water soluble	10,00 % w/w
Complexing agent: LS y AHG,	
pH	3,50
Density	1,38 g/cc
Stable in pH ranges 2-8	

AminoRaiz

High content of **free amino acids** in **levorotatory** form (L-amino acids), formulated as a fertilizer for both foliar and **root application**. It is a **protein hydrolysate** in liquid form that directly provides the plant with essential amino acids, promoting **greater vegetative development**, especially in periods of high physiological demand or under adverse climatic conditions.

Thanks to its amino acid and **peptide content**, it helps **improve crop tolerance** to stressful situations such as low temperatures, drought, pest attacks, or oxidative stress, and helps **optimize the efficiency** of conventional fertilization

AminoRaiz 14

Free aminoacids	14,00 % w/w
Total Nitrogen (N)	2,60 % w/w
Organic Nitrogen (N)	2,30 % w/w
pH	9,00
Density	1,20 g/cc

AminoRaiz 24

Free aminoacids	24,00 % w/w
Total Nitrogen (N)	4,30 % w/w
Organic Nitrogen (N)	3,90 % w/w
pH	9,00
Density	1,24 g/cc

MaxiRaiz

Organic biofertilizer whose unique formulation has been designed to **optimize** both **plant vigor** and **nutrition** in all types of crops. Its high content of **enzymatically double-hydrolyzed amino acids**, together with its fulvic acid fraction, acts synergistically to **effectively nourish the plant and promote soil transformation**. This combination provides the plant with the specific amino acids it needs at each stage of its vegetative development and **improves the availability and assimilation of nutrients**.

Free amino acids	24,00 % w/w
Total nitrogen (N)	4,00 % w/w
Organic nitrogen (N)	4,00 % w/w
Total humic extract (THE)	20,00 % w/w
Fulvic acids (FA)	20,00 % w/w
Organic matter	50,00 % w/w
Organic carbon (C)	30,00 % w/w
Polysaccharide	10,00 % w/w
pH	9,00
Density	1,24 g/cc



Special Fertilizers

RaizPlus

Combines in a single product the properties of **double enzymatic hydrolysis amino acids** with the **qualities of algae** (Ascophyllum Nodosum), which **activate** the **physiological processes** of plants.

Ascophyllum Nodosum seaweed extract

Alginic acid	1,50 % w/w
Mannitol	0,50 % w/w
Free Aminoacids	10,00 % w/w
Total Nitrogen (N)	1,50 % w/w
Organic Nitrogen (N)	1,50 % w/w
Boron (B)	0,80 % w/w
pH	9,00
Density	1,21 g/cc

FrutaRaiz

Acts by **promoting fruit set** and **fattening and its yields**. In addition, it promotes homogeneous flowering thanks to its high content of biologically **active amino acids, potassium** and **phosphorus** in the form of **pyrophosphate**.

Phosphorus in the form of pyrophosphate has biostimulant properties that, combined with the nutrient content of FrutaRaiz, make it especially useful for certain stages of crops.

It is especially useful for crops that simultaneously have fruits in the fattening phase along with flowers because it favors both processes, but it can be used in either phase.

Free aminoacids	5,00 % w/w
Total Nitrogen (N)	0,50 % w/w
Organic Nitrogen (N)	0,50 % w/w
Phosphorus Pentoxide (P_2O_5)	15,60 % w/w
Potassium Oxide (K_2O)	20,60 % w/w
Boron (B) water soluble	0,70 % w/w
Iron (Fe) EDHSA chelated	0,05 % w/w

Manganese (Mn) EDTA chelated	0,03 % w/w
Zinc (Zn) EDTA chelated	0,02 % w/w
Copper (Cu) DTA chelated	0,002 % w/w
pH	9,50
Density	1.43 g/cc

Foliar Application: 200-300 cc/hl
Root Application: 6-8 L/ha

RaizColor

Liquid solution **rich in micronutrients**, with selected **amino acids** (L-methionine) that **increases the concentration of sugars** (BRIX Degrees) in different fruits, improving the production and quality of crops.

It is especially indicated for application during the **ripening phase** of any fruit.

Free amino acids	3,00 % w/w
Potassium (K ₂ O) water soluble	7,00 % w/w
Magnesium (MgO) soluble in water	2,00 % w/w
Boron (B) water soluble	0,50 % w/w
pH	9,00
Density	1,19 g/cc

ViralRaiz

Bioactivator whose main ingredient consists of free amino acids from a double hydrolysis of plant proteins, to which seaweed extract and micronutrients have been added that act as activators of the physiological processes of the treated plants throughout the crop cycle.

It acts as a nutritional element that supports the rooting phase of the plant. The seaweed extract helps to develop a larger secondary root system that will reach a greater surface area and the amino acids will help create more root hairs that will better absorb water and nutrients.

Ascophyllum nodosum seaweed extract

Free amino acids	12,00 % w/w
Total Nitrogen (N)	2,20 % w/w
Organic Nitrogen (N)	2,00 % w/w
Alginic Acid	1,50 % w/w
Mannitol	0,50 % w/w
pH	10,00
Density	1,25 g/cc

Boron (B)	0,05 % w/w
Copper (Cu) *	0,02 % w/w
Iron (Fe) **	0,60 % w/w
Manganese (Mn) *	0,30 % w/w
Molybdenum (Mo) *	0,02 % w/w
Zinc (Zn) *	0,06 % w/w

AlgaRaiz

Soluble liquid vegetable fertilizer, whose active matter is made up of marine algae (*Ascophyllum nodosum*), which act as activators of the physiological processes of the treated crops throughout the production cycle.

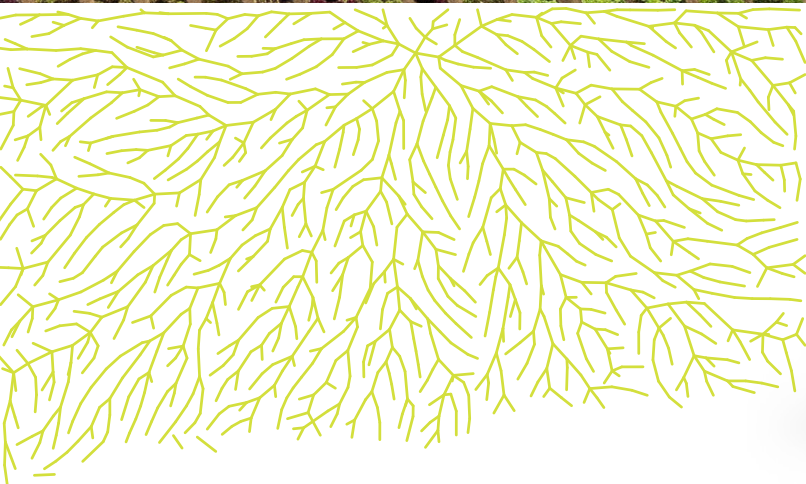
They constitute a nutritional source that promotes rooting, vegetative development and fruiting. Seaweed extracts increase crop yield and the assimilation of organic nutrients from the soil, prolong the fruit ripening period, improve seed germination, favor root development, increase stress conditions and contribute to alleviate salt stress. Thanks to the compounds present in Algavell, its use is recommended mainly in the early stages of sprouting, flowering and fruit ripening.

Ascophyllum nodosum seaweed extract

Alginic acid	1,50 % w/w
Mannitol	0,50 % w/w
Potassium oxide (K ₂ O) water soluble	4,50 % w/w
Magnesium (MgO) water soluble	0,10 % w/w
pH	10,00
Density	1,10 g/cc

Calcium (CaO) water soluble	0,20 % w/w
Sulfur (SO ₃) water soluble	0,40 % w/w
Boron (B) water soluble	0,003 % w/w

MicroRaiz



MicroRaiz Combo

Liquid mixture of microelements complexed with **Gluconic Acid**, effective in all types of soils and crops. It is a **corrector of multiple Fe, Mn and Zn** deficiencies that can be applied directly to the soil diluted in irrigation water as well as in hydroponic crops and also through foliar applications.

Iron (Fe) water soluble	4,00 % w/w
Manganese (Mg) water soluble	2,00 % w/w
Zinc (Zn) water soluble	2,00 % w/w
Chelating Agent: Gluconic Acid	
pH	2,50
Density	1,35 g/cc
Stable in pH range 2-8	

MicroRaiz Ca-B

product designed to stimulate plant activity and prevent or correct calcium deficiencies, formulated with amino acids, calcium and boron. It is especially recommended during periods of intense growth, as it is rapidly absorbed and translocated to the plant organs with the highest activity and nutrient demand.

Free Aminoacids	10,00 % w/w
Total Nitrogen (N)	6,40 % w/w
Organic Nitrogen (N)	2,00 % w/w
Nitric Nitrogen (N)	4,40 % w/w
Calcium Oxide (CaO) water soluble	8,00 % w/w
Boron (B)	0,50 % w/w
pH	4,50
Density	1,35 g/cc

MicroRaiz Iron

Iron chelate especially recommended for application both **foliar** and root to prevent and correct **iron deficiencies**. The iron in MicroRaiz Iron is chelated liquid by **EDDHA**.

Iron (Fe) water soluble	6,00 % w/w
Chelating Agent: EDDHSA	
pH	2,50
Density	1,25 g/cc
Stable in pH range 2-8	

Soluble Micro-granulated Iron with **high purity** and with a variation of **Ortho-Ortho** quantities. Corrector for Iron deficiencies, for basic soil via drip irrigation. Effective in many cultures: Fruits, Vegetables, floral, tropical and ornamental.

Iron (Fe)	Fe 4,8	Fe 3,2	Fe 2,0
Water soluble	6,00 % w/w	6,00 % w/w	6,00 % w/w
EDDHA	6,00 % w/w	6,00 % w/w	6,00 % w/w
EDDHA (ortho-ortho isomer)	4,80 % w/w	3,20 % w/w	2,00 % w/w

pH: 8,9 (dissolution 10%)

MicroRaiz **Copper**

Copper deficiency corrector, formulated from **copper sulfate** and complexed with **gluconic acid**, which has proven to be effective for the prevention of deficiency states of this metal.

Copper (Cu) water soluble	7,00% w/w
Complexing Agent: Gluconic Acid (GA)	
pH	3,00
Density	1,25 g/cc
Stable in pH range 2-8	

MicroRaiz **Mn**

Exceptional liquid **manganese corrector** complexed with **Heptagluconic Acid**, characterized by its **rapid absorption**, being used as a source of manganese when deficiency states of said element are observed as a consequence of deficiencies and imbalances in the assimilation of manganese, as well as **preventively** in crops that are heavy consumers or sensitive to its deficiency.

Manganese (Mn)	8,00 % w/w
Chelating Agent: Heptagluconic Acid (HGA)	
	3,00
Density	1,40 g/cc
Stable in pH range 2-8	

MicroRaiz **Mg**

Complexed with **gluconic acids**, formulated to ensure safe and completely harmless foliar application. Its **high magnesium concentration** makes it highly effective as a **nutritional corrector**, allowing it to efficiently prevent and correct deficiencies of this element.

Magnesium Oxide (MgO)	10,00 % w/w
Complexing Agent: GA	
pH	6,00
Density	1,25 g/cc

MicroRaiz **Boron**

Boron deficiency corrector, complexed with **ethanolamine** and presented as a highly concentrated liquid solution.

Boron (B)	10,00 % w/w
Complexing Agent: ethanolamine	
pH	7,50
Density	1,30 g/cc
Stable in pH range 2-8	

MicroRaiz **Zn**

Exceptional liquid **Zinc corrector** chelated with **EDTA**, characterized by its **rapid absorption**, used as a source of zinc when deficiency states of said element are observed as a consequence of deficiencies and imbalances in the assimilation of zinc, as well as preventively in crops who are heavy consumers or sensitive to their deficiency.

Zinc (Zn) water soluble	15,00 % w/w
Chelating agent: EDTA	
pH	4,50
Density	1,30 g/cc
Stable in pH range 2-8	

MicroRaiz **Mol**

Molybdenum-based solution designed to prevent and **correct deficiencies** of this micronutrient in all types of crops. Its formulation with **carboxylic acids** improves the availability and assimilation of molybdenum by the plant.

Molybdenum (Mo)	8,00 % w/w
pH	9,00
Density	1,30 g/cc

MicroRaiz **Mg Zn**

Corrector of manganese and zinc deficiencies complexed with **heptagluconic acids**, which allows greater stability of both, favoring better assimilation and more effective distribution throughout the plant. Both micronutrients are involved in **chlorophyll synthesis** and **photosynthesis**, as well as in the **formation of growth hormones**, such as auxin.

Manganese (Mn) water soluble	8,00 % w/w
Zinc (Zn) water soluble	6,00 %w/w
Complexing Agent: AHG	
pH	5,00
Density	1,50 g/cc
Stable in pH range 2-8	

MicroRaiz **BorMol**

Liquid fertilizer formulated to **correct Boron and Molybdenum** deficiencies in plants. Thanks to the complexing agents used, MicroRaiz BorMol is absorbed more efficiently both by **root** and **foliar application**.

Boron (B) water soluble	9,00 %w/w
Molybdenum (Mo) water soluble	3,00 %w/w
pH	7,50
Density	1,38 g/cc

Micro Raiz

MicroRaiz Silicon

Root application, formulated with **silicon** that has very important **strengthening** and **protective** properties. MicroRaiz Silicon has two clearly differentiated effects, **nutrient regulation** and **mechanical protection** against external aggressions. This effect translates into a **reduction** in **diseases** and an **improvement** in general condition.

Silicon (SiO ₂)	23,00 % w/w
Potassium (K ₂ O)	10,00 % w/w
pH	8,00
Density	1,30 g/cc

MicroRaiz Ca

Invigorating product designed to prevent and **correct calcium deficiencies**. It is especially recommended during periods of intense growth and development, as it is **rapidly absorbed** and transported to the plant organs with the highest metabolic activity and nutritional demand.

Calcium Oxide (CaO) water soluble	14,00 % w/w
Chelated Agent: EDTA	
pH	5,50
Density	1,35 g/cc

MicroRaiz Potas

Potassium supplement formula that does not **contain nitrogen**. It can be applied as **foliar** spray or dissolved in irrigation water.

MicroRaiz Potas is a potassium deficiency corrector, presented as a highly concentrated liquid solution. Its use prevents and corrects potassium deficiency states.

Potassium Oxide (K ₂ O) water soluble	33,00 % w/w
Chelating Agent: EDTA	
pH	12,00
Density	1,50 g/cc
Chloride Free	

MicroRaiz Multiple

specialised product that prevents and **corrects calcium** and **boron** deficiencies. Its rapid absorption **strengthens young tissues**, improves fruit firmness and uniformity, and **increases plant resistance to abiotic and biotic factors**. Its application from the early stages until fruit formation ensures a balanced supply of nutrients, promoting healthier, more productive and higher quality crops.

Total Nitrogen (N)	10,00 % w/w
Nitric Nitrogen (N)	9,50 % w/w
Ureic Nitrogen (N)	0,50 % w/w
Calcium Oxide (CaO) water soluble	12,00 % w/w
Potassium Oxide (K ₂ O) water soluble	5,00 % w/w
Magnesium Oxide (MgO) water soluble	2,00 % w/w
Boron (B) water soluble	0,80 % w/w
pH	3,00
Density	1,55 g/cc

RaizNPK



Raiz NPK



Raiz NPK 17-17-17

Total Nitrogen (N)	12,50 % w/w (17,00 % w/v)
Ammoniacal Nitrogen (N)	1,30 % w/w (1,80 % w/v)
Ureic Nitrogen (N)	11,20 % w/w (15,20 % w/v)
Phosphorus (P ₂ O ₅)	12,50 % w/w (17,00 % w/v)
Potassium (K ₂ O)	12,50 % w/w (17,00 % w/v)
Iron (Fe) EDTA chelated	0,10 % w/w (0,14 % w/v)
Manganese (Mn) EDTA chelated	0,10 % w/w (0,14 % w/v)
Zinc (Zn) EDTA chelated	0,10 % w/w (0,14 % w/v)
pH	8,50
Density	1,36 g/cc

Raiz NPK 5-5-33

Total Nitrogen (N)	24,60 % w/w (33,00 % w/v)
Nitric Nitrogen (N)	6,15 % w/w (8,25 % w/v)
Ammoniacal Nitrogen (N)	6,15 % w/w (8,25 % w/v)
Ureic Nitrogen (N)	12,30 % w/w (16,50 % w/v)
Phosphorus (P ₂ O ₅)	3,70 % w/w (5,00 % w/v)
Potassium (K ₂ O)	3,70 % w/w (5,00 % w/v)
Iron (Fe) EDTA chelated	0,10 % w/w (0,14 % w/v)
Manganese (Mn) EDTA chelated	0,10 % w/w (0,14 % w/v)
Zinc (Zn) EDTA chelated	0,10 % w/w (0,14 % w/v)
pH	5,50
Density	1,34 g/cc

Raiz NPK 7-20-7

Total Nitrogen (N)	5,70 % w/w (7,00 % w/v)
Nitric Nitrogen (N)	2,20 % w/w (2,70 % w/v)
Ureic Nitrogen (N)	3,50 % w/w (4,30 % w/v)
Phosphorus (P ₂ O ₅)	16,30 % w/w (20,00 % w/v)
Potassium (K ₂ O)	5,70 % w/w (7,00 % w/v)
Iron (Fe) EDTA chelated	0,10 % w/w (0,14 % w/v)
Manganese (Mn) EDTA chelated	0,10 % w/w (0,14 % w/v)
Zinc (Zn) EDTA chelated	0,10 % w/w (0,14 % w/v)
pH	5,00
Density	1,23 g/cc

Raiz NPK 21-0-7

Total Nitrogen (N)	5,50 % w/w (7,00 % p/v)
Ureic Nitrogen (N)	5,50 % w/w (7,00 % p/v)
Potassium (K ₂ O)	16,40 % w/w (21,00 p/v)
Iron (Fe) EDTA chelated	0,10 % w/w (0,14 % p/v)
Manganese (Mn) EDTA chelated	0,10 % w/w (0,14 % p/v)
Zinc (Zn) EDTA chelated	0,10 % w/w (0,14 % p/v)
pH	11,00
Density	1,28 gr/cc

Raiz NPK 28-16-4

Total Nitrogen (N)	3,00 % w/w (4,00 % w/v)
Ureic Nitrogen (N)	2,40 % w/w (3,20 % w/v)
Ammoniacal Nitrogen (N)	0,60 % w/w (0,80 w/v)
Phosphorus (P ₂ O ₅)	11,80 % w/w (16,00 % w/v)
Potassium (K ₂ O)	20,70 % w/w (28,00 % w/v)
Iron (Fe) EDTA chelated	0,10 % w/w (0,14 % w/v)
Manganese (Mn) EDTA chelated	0,10 % w/w (0,14 % w/v)
Zinc (Zn) EDTA chelated	0,10 % w/w (0,14 % w/v)
pH	8,50
Density	1,38 g/cc

Organo Raiz



Our products abide by:



OrganoRaiz 80

Organic fertilizer of vegetable origin with a high content of **free amino acids** (80%). It acts as an activator of **physiology** and **hormonal** processes. It stimulates the chlorophyll function of the plant and **accelerates** the vegetative development of crops. It favors and activates the assimilation of trace elements and **reinforces** the action of fungicides and insecticides.

Free amino acids	80,00 % w/w
Total nitrogen (N)	13,50 % w/w
Organic nitrogen (N)	12,00 % w/w
Ammoniacal nitrogen (N)	1,50 % w/w
pH (solution 1,00 %)	4,50

OrganoRaiz Optimum

Liquid organic fertilizer rich in NK for **fertigation** applications with high **organic matter** content that facilitates **better soil** structure, Improves **soil fertility**, improves the **absorption** of macro and micro elements.

Total nitrogen (N)	2,00 % w/w
Organic nitrogen (N)	2,00 % w/w
Potassium (K ₂ O) soluble in water	5,00 % w/w
Organic carbon (C)	20,50 % w/w
C/N ratio	10,25
Organic matter	35,00 % w/w
pH	5,50
Density	1,25 g/cc

OrganoRaiz Doble A

Combines **amino acids** derived from a double enzymatic hydrolysis with the beneficial properties of **Ascophyllum nodosum** algae. It is formulated with **potassium**, a key element to activate enzymes and generate ATP, as well as **boron**, essential for **flowering**, **sugar mobilization** and **nitrogen metabolism**.

Seaweed extract Ascophyllum nodosum	
Free amino acids	10,00 % p/p
Total nitrogen (N)	2,00 % p/p
Organic nitrogen (N)	2,00 % p/p
Alginate acid	2,00 % p/p
Mannitol	0,80 % p/p
Boron (B) water soluble	0,80 % p/p
Potassium (K ₂ O) water soluble	1,00 % p/p
pH	8
Density	1,16 g/cc

OrganoRaiz Potas

Formulated to supply **potassium** as a complement to the normal fertilizer, which does not contain nitrogen and chloride. It can be applied by **foliar** application or dissolved in **irrigation** water.

Potassium oxide (K ₂ O) water soluble	20,00 % p/p
Sulfur trioxide (SO ₃) water soluble	18,00 % p/p
pH	7,00
Density	1,30 g/cc
Chloride free	

OrganoRaiz **Max**

Organic biofertilizer designed to **optimize vigor** and **nutrient supply** in all types of crops. Its formulation, rich in **amino acids** from bio fermentation, provides the specific amino acids that the plant needs in each vegetative phase, promoting healthy growth.

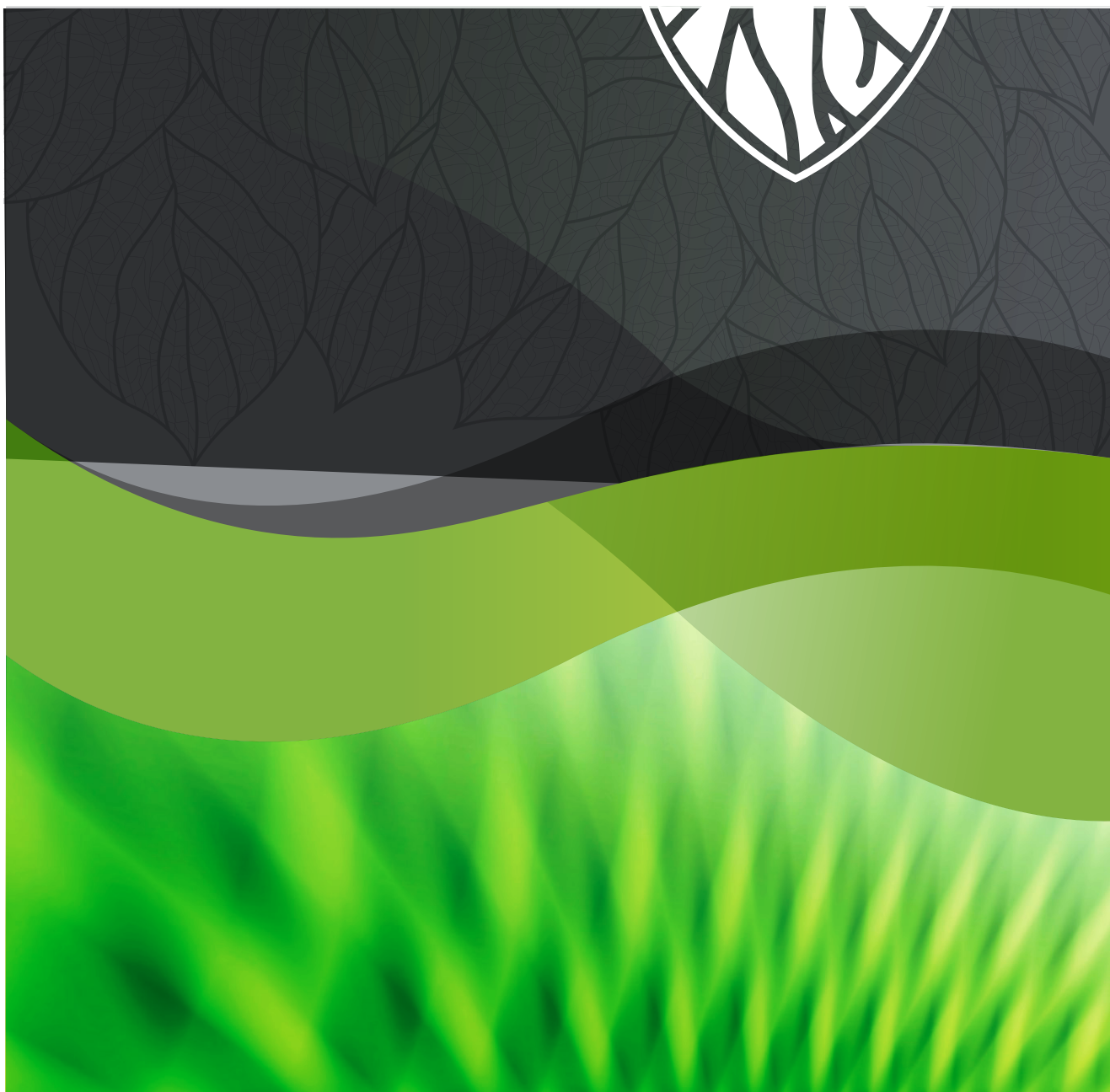
Free amino acids	10,00 % w/w
Total nitrogen (N)	7,00 % w/w
lOrganic nitrogen (N)	3,50 % w/w
Ammoniacal nitrogen (N)	3,50 % w/w
Organic matter	45,00 %w/w
Total organic carbon	26,00 % w/w
C/N	4,00 % w/w
Carbohydrates	50,00 % w/w
Polysaccharides	7,00 % w/w
pH	5,50
Density	1,25 g/cc





Cultivating the Future of Agriculture





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