

AGRARIUS[🌿]

WE HAVE BEEN SUPPORTING POLISH FARMERS FOR 20 YEARS



READY FOR

20
AGRARIUS



INNOVATIONS
VARIED CONDITIONS
TODAY
YOUR NEEDS
CHANGE

Why choose AGRARIUS?

Higher Yields

Thanks to our technology, farmers can maximize the potential of their crops. As a result, yields can increase by up to 50%.

Sustainable Solutions

We offer proven and tested products that help achieve better results while simultaneously reducing production costs.

Savings on Fertilization

Our innovative solutions allow for a reduction in expenses associated with the use of expensive chemical fertilizers.



ORGANIKA-AGRARIUS was founded in 2006 with the simple goal of combining the knowledge of scientists with the experience of farmers and creating products that really help in their daily work.

As a result, the unique preparation nanogro was created, which became a breakthrough in stimulation, regeneration and strengthening of plants. It was ORGANIKA-AGRARIUS that was the first to market preparations based on beneficial soil micro-organisms that improve soil structure and support crops in healthy growth.

Today, our products are helping farmers across Poland and successfully reaching foreign markets. Our field advisers work hand in hand with farmers – they visit farms, advise and help achieve better results with savings in production.

Twenty years of ORGANIKA-AGRARIUS is a history of work, trust and common development with Polish agriculture. Thank you for being with us; together we are creating the future of agriculture!

2006

The company
ORGANIKA-AGRARIUS
is founded.

2009

Launch of humic acids
and preparations based
on marine algae.

2008

Launch of the nanogro
product – the leading
preparation of the company.

2017

New head office with office rooms and storage facilities.

2024

Expansion to foreign markets and brand rebranding.



2016

First microbiological products released on the market.

2019

Expansion of the range with liquid fertilisers, solutions for the fruit industry and fertiliser lime.



PRODUCT CATALOG 2026



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Stimulants and Supporting products

Plant growth stimulants are innovative products designed to support plant development and yield. They aid plants weakened by adverse weather conditions, strengthen their resilience and durability, and directly enhance regeneration and efficient crop production capabilities.



Find out more on our website:
www.agrarius.eu/spwen/





AGRARIUS

nanogro
aqua

STYMULATOR WZROSTU
kompleksowo wpływa na metabolizm roślin
zwiększając ich odporność, na warunki stresowe,
przyczynia się do wzrostu plonów



500 ml

START TO STAR HARVEST

nanogro aqua

WELCOME TO THE PLANET NANUS – WHERE PLANT GROWTH REACHES FOR THE STARS!

On the planet Nanus, plants gain strength to face the most difficult conditions. It is here that nanogro aqua penetrates deep into the cells like a light beam, activating the natural defence system and accelerating the metabolism of plants. The roots go deeper, the shoots and leaves develop faster, and the flowering and fruiting proceeds with extraordinary intensity, as if attracting energy from the stars themselves. Nanus is a planet where plants grow stronger, healthier, and yield more abundantly – crossing cosmic boundaries.

COMPOSITION:

Sulfates of elements (N, P, K, S, Mg, Ca, Na, Fe, Cu, Zn, Mn, B, Si) at nanomolar concentrations, next-generation humic acids derived from lignin processing.

DOSAGE:

CULTIVATION	DOSE	APPLICATION
Agricultural crops	250 ml/up to 200 l of water/ha	1-2 treatments per season
Fruit trees and shrubs	375 ml/up to 400 l of water/ha	2-4 treatments per season
Vegetables and herbal plants	250-375 ml/up to 200 l of water/ha	2-4 treatments per season
Ornamental plants	25 ml/up to 20 l of water	1-2 treatments per season



Available packages:

250 ml | 5 L

MECHANISM:

Nanogro is an original and highly effective product based on nanomolar concentrations of several elements, prepared using an innovative method. It acts as a unique „vaccine” that strengthens plant immunity. Its action focuses on directing the plant’s internal mechanisms toward defensive and anti-stress responses.

The addition of highly active humic substances to nanogro further enhances plant resilience by promoting rapid nourishment and stress reduction. Nanogro activates natural defense processes in the plant, such as the accumulation of nutrients in cells, the development of a strong root system, thickening and strengthening of cell walls, improving overall plant health, and creating additional protective barriers (such as waxes, hairs, etc.).

The effect of nanogro is demonstrated in rapid plant growth and improved quantity and quality of the yield (higher starch, sugar, protein, and oil content, etc.). This has been confirmed by years of research and practical experience. Nanogro also supports the plant’s resistance to stress and accelerates recovery from damage (e.g., frost, mechanical, and chemical damage). In nanogro, it’s not only the composition that is central to its action, but above all, our technology for the proper preparation of sulfates in an optimal formulation, concentration, and activation. This ensures that they immediately penetrate the plant, triggering a response at the intracellular level. The combination of ingredients in the correct proportions, along with their preparation through special procedures, allows nanogro’s components to penetrate the cell and be captured by signaling proteins, which activates the plant’s defense mechanisms. This defensive response manifests in the production of hormones by the plant, the uptake of nutrients, and the accumulation of reserve substances. The result is better nourishment of the plant, denser cytoplasm, and stronger cell sap (increased tolerance to low temperatures, reduced damage after frost). The effects of nanogro are long-lasting, as the acquired resistance and strengthening of the plant persist throughout its growing season.

BENEFITS OF USE:



Promotes increased root mass and above-ground plant growth.



Ensures higher yields with excellent quality.



Strengthens plant resistance to stress conditions.



COSMIC

REGENERATION OF PLANTS





Naturalny Plon XM

PLANET ALGORION – WHERE NATURE REGENERATES CROPS!

On the planet Algorion, life flows in the rhythm of the ocean. Plants derive their energy from marine algae extract, which acts like a cosmic regeneration elixir. After each stress, they return to full strength, rebuild roots, strengthen shoots and create new green tissues. Natural Yield ensures that crops on Algorion not only survive, but also regain vitality faster than you could possibly imagine. It is a planet where nature never gives up – even under the greatest pressure.

COMPOSITION:

50% seaweed extract (amino acids – full spectrum), alginic acid, iodine, mannitol, phytoalexins, laminarin, and polyamines. 50% next-generation humic acids derived from processed lignin, trace elements (N, P, K, S, Mg, Ca, Na, Fe, Cu, Zn, Mn, B, Si) in minimal quantities, dry matter 10%, pH 8.0-10.0.

DOSAGE:

CROP	DOSE	APPLICATION
Agricultural crops	1 l/200-300 l of water/ha	2-4 times per season.
Vegetable crops	1-2 l/300-450 l of water/ha	2-4 times per season.
Fruit trees, shrubs, and strawberries	2-3 l/400-600 l of water/ha	3-4 times per season: before flowering, after flowering, 1-2 times during fruit growth.
Watering young plants	0,1 l/10-15 l of water.	
Frost/heat protection	As per the table above, apply 2-3 days before expected frost or heat. Regeneration can be repeated after 7-10 days.	
Regeneration after damage from plant protection products	As per the table above, apply immediately after noticing symptoms.	



Available packages:

250 ml | 1 L | 5 L | 20 L

MECHANISM:

Naturalny Plon XM is a plant growth stimulant that provides immediate support for plant regeneration after damage caused by chemicals, hail, frost, and drought. This innovative biostimulant is absolutely unique in its composition, combining a full spectrum of plant amino acids, *Ascophyllum nodosum* seaweed extract, and next-generation humic substances. It represents a breakthrough in agrotechnology – a product that is quickly absorbed by the plant and immediately impacts its recovery.

It can be used in agricultural, vegetable, and orchard crops, as well as in ornamental plant and herb cultivation. This unique formulation, containing seaweed, amino acids, and humic substances, effectively supports crop growth and has a positive impact on plants. It works holistically, promoting the formation of root hair zones and inducing the development of lateral branches. As a result, plants are able to make better use of water and nutrients from the soil, leading to higher quality yields.

Regular use also contributes to a noticeable improvement in yield performance. The seaweed-based biostimulant has regenerative properties, making it suitable for use in crops that have been damaged by herbicides or other external factors, such as rainfall, drought, or low temperatures. The seaweed extract further enhances the plant's resistance to stress.

BENEFITS OF USE:



Regenerates crops after chemical, mechanical, and environmental damage.



Increases the efficiency of the photosynthesis process.



Supports the formation of new root hairs and improves plant health.



nanogro forte superstart

FOR SEED AND PLANTING MATERIAL TREATMENT

A specialized product designed for treating seeds, tubers, bulbs, and roots. The growth stimulator begins working from the moment of seed, bulb, and tuber germination, enhancing their resistance, promoting uniform germination, and making them more resilient to environmental stresses. Additionally, it improves metabolism and root development, ensuring proper water and nutrient supply to the plants. It can be used as an additive to standard chemical seed treatment.

COMPOSITION:

Sulfates of elements (N, P, K, S, Mg, Ca, Na, Fe, Cu, Zn, Mn, B, Si) in nanomolar concentrations, humic acids of the latest generation derived from lignin processing.

APPLICATION:

Winter and spring cereals, rapeseed, corn, legumes, and others: 250 ml per 1 ton of seeds. Grasses: 1 liter per 1 ton of seeds.

nanogro forte superstart ZIEMNIAK

POTATO SEEDLING TREATMENT

A plant growth stimulator designed for treating potato tubers. It accelerates sprouting, stimulates root and stolon growth, and enhances the overall metabolism of young plants and tubers, inducing their resistance to diseases and stress. The treatment with this growth stimulator contributes to an increase in both the quantity and quality of the tubers and promotes their uniformity.

COMPOSITION:

A concentrated preparation containing sulfates of elements (N, P, K, S, Mg, Ca, Na, Fe, Cu, Zn, Mn, B, Si) in nanomolar concentrations, along with the latest generation humic acids.

APPLICATION:

Potato seedling treatment: 1 liter per 1 ton of tubers. Add to the seed treatment mixture, mix thoroughly, and proceed with the usual treatment process.



Available packages:

250 ml | 5 L



Available packages:

1 L | 5 L

Naturalny Plon

BIOSTIMULATOR

Naturalny Plon is a plant growth enhancer that provides immediate support for plant regeneration after damage caused by chemicals, hail, frost, and drought. This innovative biostimulator is truly unique in its composition, combining a full spectrum of amino acids, an extract of the marine algae *Ascophyllum nodosum*, and the latest generation humic substances. It represents a groundbreaking advancement in agricultural technology – a product that is rapidly absorbed by plants and has an immediate effect.

COMPOSITION:

50% seaweed extract (amino acids – full spectrum), alginic acid, iodine, mannitol, phytoalexins, laminarin, and polyamines. 50% humic acids of the latest generation derived from processed lignin.

APPLICATION:

For agricultural, vegetable, and orchard crops: 100-200 g/200-600 l of water/ha. For regeneration after damage: 200 g/200-600 l of water/ha. Recommended for use in fertigation.



Available packages:

200 g | 1 kg | 5 kg | 10 kg

Lignohumat Super

HUMIC ACIDS

A concentrated humic product of the latest generation, consisting of a mixture of highly active humic acids (humic and fulvic). It is designed to improve soil structure, fertility, quality, and moisture retention, while also supporting plant growth, rooting, and yield. It is intended for use as a soil application or for fertigation.

COMPOSITION:

Humic acids (90%), including humic acids and approximately 15-20% fulvic acids, along with trace amounts of potassium, sulfur, and micronutrients.

APPLICATION:

Soil application: 2-3 weeks before sowing or planting, 1 kg/200-300 l of water/ha. Recommended for use in fertigation.



Available packages:

500 g | 1 kg | 5 kg | 10 kg



Microbiological Preparations

High-quality microbiological preparations with targeted action and high concentration contain carefully selected strains of microorganisms, such as bacteria, fungi, and Actinomycetes. The purpose of using microbiological preparations is to support plant growth and nutrition, break down organic matter, and improve soil structure.



Find out more on our website:
www.agrarius.eu/pmen/



CROPS

WITHOUT BORDERS





bi complex max ECO

PLANET MAXIMUS – WHERE THE SOIL PROVIDES MAXIMUM POTENTIAL!

Maximus is a fertile planet on which the soil pulsates with life. Here billions of micro-organisms work continuously, decomposing organic matter and releasing nutrients from it to power plants from the roots to the tops of the stems. bi complex max makes the crops on Maximus grow in perfect harmony – stronger, more resistant and ready for any cosmic stress. It is a world where soil fertility is the driving force of the entire agricultural universe.

COMPOSITION:

Bacillus subtilis, *Bacillus megaterium*, *Bacillus azotofixans* at in concentration of at least 1×10^9 CFU per 1 gram of product.

DOSAGE:

CROP	DOSE	APPLICATION
Field Crops	1 kg/200-350 l of water/ha	1-2 times per season.
Vegetable Crops (field)	1 kg/200-350 l of water/ha	2-4 times per season.
Protected vegetables	50 g/60-100 m ²	2-10 times per season (every 10-14 days).
Fruit Trees and Shrubs	1 kg/400-600 l of water/ha	3-4 times per season.
Strawberries, Raspberries	1 kg/200-400 l of water/ha	3-4 times per season.

It does not replace basic fertilization. **Recommended for use in fertigation.**



Available packages:

100 g | 1 kg | 5 kg

Microbiological
fertilising product

MECHANISM:

The bi complex max product contains concentrated rhizosphere microorganisms that accelerate plant growth, facilitate fruit set, improve crop resistance, and positively impact yield size. This microbiological product naturally improves the phytosanitary condition of the soil and strengthens plants. The microbiological fertilizer, based on carefully selected *Bacillus species*, aids in the decomposition of organic residues and supports the provision of nutrients to plants.

Bacillus bacteria are very common in our climatic zone. These saprophytic bacteria naturally break down organic compounds of plant origin, particularly pectins and carbohydrates. *Bacillus* bacteria produce mucus that increases soil moisture within the root systems of plants, as well as cover the roots with a special protective film that shields them from the adverse effects of drought and stabilizes soil colloids.

Bi complex max naturally contributes to the reduction of pathogenic bacteria and fungi, significantly improving the phytosanitary condition of crops and soil structure. The phosphorus bacteria in the product make phosphorus available to plants from immobilized and bound forms, including phosphates, phosphonates, and phosphites. This allows for the acquisition of up to 20-40 kg of phosphorus in its pure form per hectare of crop, significantly enhancing both the quantity and quality of the yield. Nitrogen-solubilizing bacteria, on the other hand, make nitrogen from the atmosphere available to plants, providing up to 50 kg/ha. The action of the product strengthens soil fertility, improving its structure and health, and significantly boosts yield.

BENEFITS OF USE:



Provides plants with essential nutrients for development.



Strengthens plants while reducing their susceptibility to diseases and stress.



Positively affects plant health throughout the entire growth cycle.



bi azot ECO

NITROGEN- SOLUBILIZING BACTERIA

Bi azot is a high-quality microbiological soil fertilizer that is unique on the Polish market. It contains the special nitrogen-solubilizing bacteria *Bacillus azotofixans*. This product enriches the soil with nitrogen from the atmosphere (up to 50 kg/ha during the growing season), positively influencing plant growth and yield. Its effectiveness has been confirmed through research.

COMPOSITION:

Bacillus azotofixans in a concentration of at least 1×10^9 CFU per 1 gram of the product.

APPLICATION:

Field crops: 0,5-1 kg/200-350 l of water/ha, 1-2 times per season. **Open field vegetables:** 0,5-1 kg/200-350 l of water/ha, 1-2 times per season. **Protected vegetables:** 25 g/100 m², 2-3 times per season. **Fruit trees and shrubs:** 0,5-1 kg/400-600 l of water/ha, 1-2 times per season. **Strawberries, raspberries:** 0,5-1 kg/200-400 l of water/ha, 2-3 times per season.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

Microbiological
fertilising product

bi fosfor ECO

PHOSPHOR- SOLUBILIZING BACTERIA

The microbiological fertilizer bi fosfor contains phosphor-solubilizing bacteria that makes phosphorus available to plants from the soil, positively supporting their growth, yield, and health. The *Bacillus megaterium* bacteria also beneficially affect soil fertility and structure improvement. These microorganisms can make up to 40 kg of phosphorus available per hectare during the growing season.

COMPOSITION:

Bacillus megaterium in a concentration of at least 1×10^9 CFU per 1 gram of the product.

APPLICATION:

Agricultural crops: 0,5-1 kg/200-350 l of water/ha, 1-2 times per season. **Open field vegetables:** 0,5-1 kg/200-350 l of water/ha, 1-2 times per season. **Protected vegetables:** 25 g/100 m², 1-2 times per season. **Fruit trees and shrubs:** 0,5-1 kg/400-600 l of water/ha, 1-2 times per season. **Strawberries, raspberries:** 0,5-1 kg/200-400 l of water/ha, 1-2 times per season.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

Microbiological
fertilising product

bi protect ECO

PLANT HEALTH

A high-quality soil microbiological fertilizer that accelerates the decomposition of organic matter, based on soil bacteria *Bacillus subtilis*. Billions of bacteria in the product improve the sanitary condition of the soil (naturally limiting the presence of pathogenic fungi) and make nutrients available to plants, while also supporting their growth and yield.

COMPOSITION:

Bacillus subtilis in a concentration of at least 5×10^9 CFU per 1 gram of product.

APPLICATION:

Agricultural crops: 0,5-1 kg/200-350 l of water/ha, 1-2 times per season. **Open field vegetables:** 0,5-1 kg/200-350 l of water/ha, 1-2 times per season. **Protected vegetables:** 50 g/100 m², 2-5 times per season. **Fruit trees and shrubs:** 0,5-1 kg/400-600 l of water/ha, 3-4 times per season. **Strawberries, raspberries:** 0,5-1 kg/200-400 l of water/ha, 3-4 times per season.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

Microbiological
fertilising product

bi słoma ECO

CROP RESIDUES

A specially developed microbiological preparation designed to accelerate the decomposition of straw and other post-harvest residues. The action of the bi słoma preparation, based on specific strains of *Bacillus* bacteria specializing in the breakdown of lignin and cellulose, as well as non-pathogenic soil fungi from the *Trichoderma* sp., focuses on the effective and rapid decomposition of hard-to-decompose plant residues such as straw, stems, roots, and leaves.

COMPOSITION:

Bacillus sp., *Trichoderma* sp. in a concentration of at least 1×10^{10} CFU/spores per 1 gram of product.

APPLICATION:

Agricultural crops: 1-2 kg/250-400 l of water/ha, for shredded post-harvest residues and straw. **Orchard crops:** 1-2 kg/600-1000 l of water/ha, for soil with fallen leaves and fruit. **Vegetable crops:** 1-2 kg/600-1000 l of water/ha, for shredded residues and soil.



Available packages:

1 kg | 5 kg | 20 kg

Microbiological
fertilising product



bi safe ECO

IMPROVEMENT OF THE SOIL'S BIOLOGICAL CONDITION

The action of the product is aimed at improving the microbiological life of the soil and increasing the availability of macro and micronutrient forms. It contains concentrated forms of rhizosphere microorganisms that enhance soil health and structure. These microorganisms are responsible for the transformations of nitrogen, phosphorus, potassium, and other nutrients, while also improving the phytosanitary condition of the crops and naturally reducing the occurrence of pathogens in the plants.

COMPOSITION:

Carefully selected and tailored strains:
Bacillus sp., *Trichoderma* sp., *Streptomyces* sp. in a concentration of at least 1×10^9 CFU/spores per 1 gram of product.

APPLICATION:

Application to the soil before sowing and planting, as well as in autumn after harvest, on soil with post-harvest residues in the form of a spray, at a dose of 1-2 kg/250-350 l of water/ha.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

Microbiological
fertilising product

bi versum

PLANT HEALTH

A specialized microbiological preparation for soil application, improving soil fertility, biological condition, and structure. It contains non-pathogenic fungi from the *Trichoderma* sp., isolated from fertile soil, which naturally reduce the number of soil pathogens. The product is particularly recommended for use in horticultural crops.

COMPOSITION:

Carefully selected strains of non-pathogenic fungi from the *Trichoderma* sp. in a concentration of at least 1×10^9 spores per 1 gram of product.

APPLICATION:

Agricultural crops: 2-5 kg/250-350 l of water/ha, 1-2 times per season. **Orchard crops:** 5-10 kg/350-1000 l of water/ha (depending on the crop), 1-2 times per season. **Vegetable crops:** 2-5 kg/250-600 l of water/ha, 2-5 times per season.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

bi system24 ECO

MICROBIOLOGICAL PREPARATION WITH SOIL YEAST ADDITION

Bi system24 is an innovative and unique preparation that demonstrates exceptionally broad activity in supporting plant growth and development, as well as improving soil quality. It combines the potential of specialized PGPB (Plant Growth-Promoting Bacteria) strains and a unique strain of yeast *Yarrowia lipolytica*. Its wide range of actions actively makes nutrients available to plants and enhances soil fertility.

COMPOSITION:

PGPB bacteria and *Yarrowia lipolytica* in a concentration of at least 1×10^9 CFU per 1 gram of product.

APPLICATION:

Agricultural crops: 1 kg/200-350 l of water/ha, 1-2 times per season. **Vegetable crops:** 1-2 kg/200-600 l of water/ha, 1-2 times per season. **Protected crops:** 50 g/100 m², 2-4 times per season. **Orchard crops:** 1-2 kg/200-600 l of water/ha, 1-2 times per season.



Available packages:

1 kg | 5 kg

Microbiological
fertilising product

bi root

REDUCTION OF PEST PRESENCE

A soil microbiological preparation that naturally reduces the presence of pests feeding on plant roots, root collars, stems, and leaves. Specially selected microorganisms in bi root colonize the soil and plants, enhancing their resistance to pest attacks such as cabbage fly, root weevils, caterpillars, corn borer, thrips, spider mites, whiteflies, aphids, and other pests.

COMPOSITION:

Specially selected strains of *Bacillus* sp. in a concentration of at least 1×10^9 CFU per 1 gram of product.

APPLICATION:

Agricultural crops: 1 kg/250-350 l of water/ha, 2-3 times per season. **Vegetable and fruit crops:** 2 kg/300-500 l of water/ha, 2-5 times per season. **Watering vegetable seedlings and soaking seedlings:** 25 g/10 l of water.



Available packages:

100 g | 1 kg | 5 kg | 20 kg



bi terra

PREVENTS SOIL PESTS

A specialized, soil-applied microbiological product based on carefully selected microorganisms naturally occurring in the soil. The product promotes the natural reduction of soil pests in agricultural, vegetable, and fruit crops, such as wireworms, larvae of rootworms, root weevils, grubs, and other soil pests.

COMPOSITION:

Carefully selected strains of *Bacillus* sp. bacteria and non-pathogenic saprophytic fungi, in a concentration of at least 1×10^9 CFU/spores per 1 gram of product.

APPLICATION:

Agricultural crops: 1 kg/250-350 l of water/ha, 2-3 times per season. **Vegetable and fruit crops:** 2 kg/300-500 l of water/ha, 2-5 times per season.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

bi clean

BACTERIA THAT REDUCE ANIMAL MANURE ODOR

A microbiological preparation based on specially selected microorganisms that are non-pathogenic to livestock, resistant to uric acid and the chemical compounds found in animal manure. It reduces the strong odor of manure in barns, pigsties, poultry houses, and stables. It also facilitates the mineralization and decomposition of manure.

COMPOSITION:

A specially selected mixture of *Bacillus* sp. in a concentration of at least 1×10^9 CFU per 1 gram of the product.

APPLICATION:

Dissolve 20 g of the preparation in 10 liters of warm, non-chlorinated water. Leave it at room temperature for 20 minutes and stir. **Initial Application:** Apply evenly using a sprayer or spraying system (if available), at a rate of 10 liters of solution per 1 m^3 of manure. **Subsequent applications:** Every 14 days, apply 10 liters of the working solution per 1 m^3 of manure.



Available packages:

1 kg | 5 kg | 20 kg

bi clean HOME

BACTERIA FOR SEPTIC TANKS

Bacteria for septic tanks and biological, household wastewater treatment systems, based on selected, non-pathogenic microorganisms, resistant to the action of uric acid and chemical compounds found in waste. Used as an additive to household wastewater, it supports its breakdown and reduces strong odors in septic tanks and toilets.

COMPOSITION:

A specially selected blend of *Bacillus* sp. in a concentration of at least 1×10^9 CFU per 1 gram of product.

APPLICATION:

Preparation of the working solution:

First application: Dissolve the product in 20 g/10 l of lukewarm water per 1 m^3 of wastewater. **Subsequent applications:** Every 14-21 days, use 10 g/10 l of water per 1 m^3 of septic tank.

We highly recommend the product *bi clean DRAIN* - ask our advisors about it!



Available packages:

100 g | 1 kg

bi ferment

ADDITIVE FOR DIGESTATE FROM BIOGAS PLANTS

A specialized microbiological additive for digestate mass or liquid used as fertilizer in agricultural crops. It enriches the soil with unique strains of microorganisms that contribute to more efficient use of the nutrients in the digestate by plants, as well as improving soil quality and structure.

COMPOSITION:

Five strains of bacteria from the species *Bacillus megaterium*, *Bacillus subtilis*, *Bacillus licheniformis*.

APPLICATION:

Apply as a spray or watering at a rate of 1-3 kg per hectare of cultivated area, regardless of the amount of liquid/digestate mass used.



Available packages:

20 kg



bi compost

BACTERIA FOR COMPOSTING

Specially selected microorganisms for composting. They are designed to accelerate the decomposition of organic matter in compost bins and piles. They prevent rotting of waste and improve the quality of compost while neutralizing its unpleasant odor.

COMPOSITION:

A specially selected mixture of *Bacillus* sp. bacteria, in a concentration of at least 1×10^9 CFU per 1 gram of the product.

APPLICATION:

Preparation of working solution: dissolve 20 g of the product in 10 liters of lukewarm water. Leave at room temperature for 20 minutes and stir. **First application:** When setting up the compost bin or pile, spread the solution in the amount of 10 liters per 1 m^3 of compost. **Subsequent applications:** Every 14-21 days, apply 10 liters of the solution per 1 m^3 of compost.



Available packages:

100 g | 1 kg | 5 kg | 20 kg

bi wood

ACCELERATES THE DECOMPOSITION OF WOOD RESIDUES

This product is designed for use in orchards and forestry plantations to break down organic matter that contains high levels of lignin and cellulose, such as dead roots, trunks, branches, and leaves. The high activity of saprophytic bacteria and fungi accelerates the decomposition of organic matter, transforming it into mineral nutrients and humus.

COMPOSITION:

A specially selected blend of various strains of *Bacillus* sp. bacteria and saprophytic fungi from the *Trichoderma* sp. in a concentration of at least 1×10^9 CFU/spores per 1 gram of product.

APPLICATION:

Spraying plantations (soil and trunks): 3 kg per 500-1000 l of water per hectare. **Watering trunks:** 2,5 g per 0,5-1 l of water per trunk.



Available packages:

1 kg | 5 kg

bi seed ECO

SEED TREATMENT

A specialized microbiological fertilizer used for seed treatment of cereals, other agricultural crops, vegetables, as well as tubers, bulbs, and roots. The preparation increases the number of microorganisms around the plant and naturally protects it spherically against fungal pathogen attacks. The microorganisms contained in bi seed create a protective barrier on the surface of the seeds, preventing the proliferation of other potentially pathogenic microorganisms.

COMPOSITION:

Highly active, effective, and carefully selected strains of PGPR bacteria, in a concentration of at least 1×10^9 CFU per 1 gram of the product.

APPLICATION:

Cereals, corn, grasses, vegetables: 100 g/100 kg of seeds.
Potato tubers: 200 g/1 t of potato tubers.
Onions, roots, garlic cloves: 10 g/10-20 l of water.



Available packages:

100 g | 500 g | 1 kg | 5 kg

Microbiological
fertilising product

bi water

BACTERIA FOR WATER PONDS

The product is used for the biological purification of water reservoirs such as ponds, lakes, aquariums, and swimming pools. It inhibits the proliferation of algae and prevents the formation of sediment deposits, without harming the animal organisms present in the water bodies.

COMPOSITION:

Appropriately selected strains of *Bacillus* sp. bacteria, in a concentration of at least 1×10^9 CFU per 1 gram of product.

APPLICATION:

The product is most effective at temperatures between $+20^\circ\text{C}$ and $+30^\circ\text{C}$. **Closed water tanks, ponds:** **First use:** 1 g of the product per 1 m^2 of pond surface with a depth of up to 3 meters. **Preventive application:** 1 g of the product per 1 m^2 of surface, twice a month. **Aquariums:** Mix the product with water in a ratio of 1 g/500 ml of water/ 1 m^3 .



Available packages:

100 g | 1 kg | 5 kg | 20 kg



bi hydro control NEW!

Preparation supporting health and yielding

Microbiological fertiliser for all crops, where *Bacillus* bacteria are embedded in natural, micro-ground clinoptilolite. Thanks to this technology, the preparation works effectively even at low humidity, supporting plant growth, crop health and improving soil structure. Clinoptilolite is rich in silicon and forms a protective microfilm on the leaves, protecting micro-organisms from drought, UV and extreme temperatures.

COMPOSITION:

Bacteria of the genus *Bacillus* sp., in an amount of not less than 1×10^9 JTK per 1 g of product.

DOSAGE:

1 kg/ha 1-2 times a season in the form of foliar spraying.



Available packages:

1 kg | 5 kg

Microbiological
fertilising product

beet protect NEW!

Microbiological fertilising product for use in beet, soya and celery

A microbiological fertiliser containing specially selected strains of bacteria, for use on sugar beet, beetroot, and fodder beet, as well as other plants from the goosefoot family, as well as soybeans and celery. The bacteria contained in the preparation naturally reduce the occurrence of pathogenic fungi (of the genus *Cercospora*) that cause Cercospora leaf spot. In addition, they support the decomposition of organic matter in the soil, reducing the risk of Cercospora leaf spot transmission by crop residues, and strengthen the natural resistance of plants by settling plants and soil.

COMPOSITION:

Bacteria of the genus *Bacillus* sp., in an amount of not less than 3×10^9 JTK per 1 g of product.

DOSAGE:

1 kg/ha.



Available packages:

1 kg | 5 kg | 20 kg

Microbiological
fertilising product

rape protect NEW!

Microbiological product for use on rapeseed and brassicas

Rape protect is a microbiological fertiliser product intended for rapeseed and other brassicas. It contains selected strains of *Bacillus* bacteria that improve the condition of plants, support soil health and reduce pathogens such as *Plasmodiophora brassicae* (club root) and *Sclerotinia sclerotiorum* (sclerotium rot). The micro-organisms colonise the roots, rhizosphere, and shoots, secreting metabolites that are antagonistic to pathogens and supporting nutrient uptake. The preparation also increases resistance to stress, improves vigour and supports the yielding of plants.

COMPOSITION:

Bakterie z rodzaju *Bacillus* sp. w ilości nie mniejszej niż 2×10^9 JTK w 1 g produktu.

DOSAGE:

1 kg/ha.



Available packages:

1 kg | 5 kg | 20 kg

Microbiological
fertilising product

potato protect NEW!

Microbiological fertilising preparation for use in potato cultivation

Microbiological fertiliser containing specially selected strains of bacteria, for use in potato cultivation. The bacteria contained in the preparation naturally reduce the occurrence of pathogens such as potato blight, potato cancer, alternaria and rhizoctonia occurring in potato cultivation. In addition, they support the decomposition of organic matter in the soil, they strengthen the natural resistance of plants by settling both the plants themselves and the soil around them.

COMPOSITION:

Bacteria of the genus *Bacillus* sp., in an amount of not less than 2×10^9 JTK per 1 g of product.

DOSAGE:

1 kg/ha.



Available packages:

1 kg | 5 kg | 20 kg

Microbiological
fertilising product



bi soya

BACTERIA FOR SOYBEAN INOCULATION

Pure cultures of symbiotic bacteria *Bradyrhizobium japonicum* immobilized on sterilized, crushed peat, used for seed inoculation of soybeans. These bacteria are involved in the formation of nodules on the plant roots, ensuring their development, increasing resistance to stress conditions, and improving both the quantity and quality of the yield.

COMPOSITION:

Specially selected symbiotic bacteria *Bradyrhizobium japonicum* in a concentration of at least 2×10^9 CFU per 1 gram of product, immobilized on sterilized, crushed peat, intended for soybeans.

APPLICATION:

Soybeans: 3 kg per 1 ton of seeds.



Available packages:

1 kg

bi lupin

BACTERIAL INOCULANT FOR LUPINE

Specially selected pure cultures of symbiotic bacteria *Rhizobium lupini* intended for inoculation of seeds of white, yellow, narrow-leaved lupine, and sweet lupine. The product strengthens plants, increases their yield, and enhances the protein content in the seeds.

COMPOSITION:

Pure cultures of symbiotic bacteria *Rhizobium lupini* in a concentration of at least 2×10^9 CFU per 1 gram of product.

APPLICATION:

White and yellow lupine: 3 kg per 1 ton of seeds.

Narrow-leaved lupine and sweet lupine: 2,5 kg per 1 ton of seeds.



Available packages:

1 kg

bi bean

BACTERIAL VACCINE FOR BEANS

Carefully selected pure cultures of symbiotic bacteria *Rhizobium phaseoli* inoculated onto sterilized, ground peat, intended for seed inoculation of beans. The product enhances yield efficiency, improves resistance to unfavorable environmental conditions, and increases both the quantity and quality of the bean crop.

COMPOSITION:

Pure cultures of symbiotic bacteria *Rhizobium phaseoli* in a concentration of at least 3×10^9 CFU per 1 gram, fixed on sterilized, finely ground peat.

APPLICATION:

Beans: 3-3,5 kg per 1 ton of seeds.



Available packages:

1 kg

bi symbio

BACTERIA FOR SEED INOCULATION OF PEA, BROAD BEAN, VETCH AND CLOVER

A bacterial vaccine based on pure cultures of symbiotic *Rhizobium leguminosarum* bacteria, which play a role in the formation of nodules on plant roots. The product is intended for seed inoculation of peas, field peas, clover, broad beans, vetch, and lentils. The symbiotic bacteria in the product interact with the root system of leguminous plants, providing them with nitrogen and improving both the yield and quality of the crop.

COMPOSITION:

Pure cultures of symbiotic bacteria *Rhizobium leguminosarum* in a concentration of at least 3×10^9 CFU per 1 gram of the product.

APPLICATION:

Peas, chickling vetch, vetch, clover, faba beans, field beans: 2 kg per 1 ton of seeds. **Lentils:** 2,5-3 kg per 1 ton of seeds.



Available packages:

1 kg

SILICON

STABILITY IN ANY CONSTELLATION OF CONDITIONS!

When crops face drought, heat, and pressure from diseases and pests, silicon becomes their effective ally. Although it was not considered necessary for a long time, today farmers and scientists emphasise its key role. This element, common in the Earth's crust, acts as an invisible shield: it strengthens immunity, improves the condition of plants and helps them to survive difficult conditions. At AGRARIUS, we combine these conclusions with practice.

Silicon - Benefits for plants

NATURAL PROTECTIVE BARRIER

Silicon forms a thin microfilm on the surface of the leaves, which acts as a shield. It makes it difficult for pathogens to penetrate into the interior of the plant, and for pests to feed. As a result, plants are naturally isolated from infections and mechanical damage.

RESISTANCE TO STRESS AND EXTREME CONDITIONS

A high content of silicon in plant tissues increases their resistance to the effects of heat, drought and excessive solar radiation. Silicon reduces transpiration and protects plants from sunburn and water loss.

STRENGTHENING OF CELL WALLS

Reinforced with silicon from the inside, plant tissues better tolerate the effects of wind, rain or hail because they are more resistant to mechanical damage. Plant tissues become more durable and flexible.

BETTER METABOLISM AND MORE INTENSE PHOTOSYNTHESIS

Silicon stimulates metabolic changes and increases the content of chlorophyll in the leaves, which translates into more effective photosynthesis. Plants accumulate energy faster, make better use of nutrients and produce higher quality yields.

BIOLOGICAL STABILITY OF MICRO-ORGANISMS

Silicon prolongs the activity of beneficial micro-organisms, protecting them from UV radiation, drying and temperature fluctuations. The element, in conjunction with microbiological preparations, supports the development of beneficial microflora on plants and in soil.

14

Si

Silicon

28.085

Thanks to silicon products, plants better withstand heat, drought and pressure from pathogens and pests, and the yield maintains high quality during growth and after harvest. This is an advantage that easily converts into profitability of production.

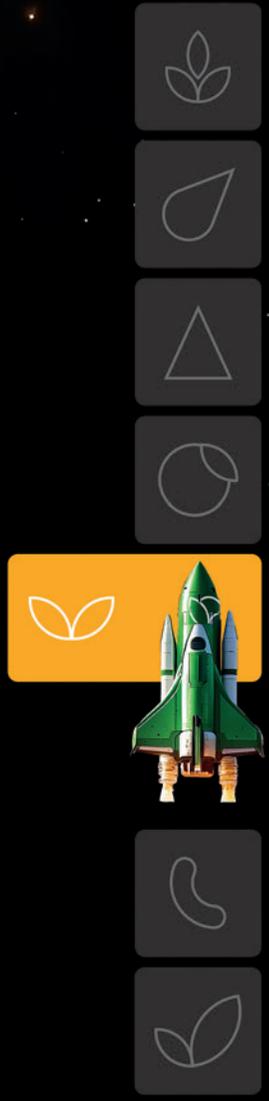


Fertilisers

Fertilizers offered by AGRARIUS are created using the latest technologies and specialized mechanisms. Each crop requires special treatment in terms of fertilization and the need for macro and micronutrients. Soil fertilization provides the essential nutrients for plants, while foliar application supplements the necessary micronutrients during the growing season.



Find out more on our website:
www.agrarius.eu/nen/



SILICON

SHIELD FOR PLANTS



AgrarSi MAX ECO NEW!

FERTILISER CONTAINING ULTRA-GROUND SILICATE

AgrarSi MAX is an ultra-ground silicate of clinoptilolite origin – a volcanic rock in which each particle has been reduced to a size of up to 5 microns. Such small fractions of natural silicon act as nano-shields, quickly penetrating the structures of plants and strengthening their cell walls. As a result, tissues become stiffer, and plants better tolerate drought, extreme temperatures, diseases and mechanical damage. AgrarSi MAX creates a biomineral immunity armour that increases the adaptation and quality of the crop. The zeolite structure also acts as a thermal insulator, limiting leaf temperature fluctuations and reducing stress. The preparation supports nutrition, stabilises hydration, binds moisture and activates natural defence mechanisms of plants, at the same time reducing oxidative stress and protecting cells from ageing.



Available packages:

1 kg | 5 kg

COMPOSITION:

Natural ultra-ground silicate - natural rock of clinoptilolite origin, including: Silicon SiO_2 67,6%, Aluminium Al_2O_3 11,8%, Iron Fe_2O_3 1,3%, Calcium CaO 3%, Magnesium MgO 0,55%, Manganese MnO 0,2%, Sulphur SO_3 0,2%, Titanium TiO_2 0,16%.

DOSAGE:

1-1.5 kg/ha 1-2 times a season in the form of foliar spraying.

PLANET AGRARSIS – WHERE SILICON BUILDS IMMUNITY!

On the planet Agrarsis, plants grow as strong as rock, and their leaves shine like shields protected by silicon energy. It was here that AgrarSi and AgrarSi MAX were born – fertilisers containing natural, easily absorbable silicon, which strengthens plant structures from the inside. Both products form the common planet Agrarsis – a world in which silicon is not only an element, but the foundation of the strength and safety of the crop.

In this mineral land, immunity is the standard – stems are stiffer, leaves are less susceptible to damage, and the whole plant stands firm against diseases, pests and adverse conditions. Agrarsis is a planet for those who want their crops not to bend under stress, but to stand firm like its silicon landscape. With AgrarSi and AgrarSi MAX, your plants will move to a higher level of resistance – straight from another world.

AgrarSi ECO NEW!

FERTILISER CONTAINING MICRO-GROUND ZEOLITE

AgrarSi is a preparation with a high content of silicon based on natural zeolite - micro-ground volcanic rock (up to 20 microns), rich in easily absorbable silicon. It supports plants in environmental stress conditions such as drought, extreme temperatures or pathogen pressure. Thanks to H_2O Control technology, zeolite stores water in the soil and gradually releases it, improving the water balance and reducing the effects of drought. The silicon contained in the preparation strengthens plant tissues, reduces transpiration and protects against excessive drying – especially in light soils and simplified cultivation systems.



Available packages:

1 kg | 5 kg

COMPOSITION:

Natural micro-ground zeolite - a rock of volcanic origin, including: Silicon SiO_2 67,6%, Aluminium Al_2O_3 11,8%, Iron Fe_2O_3 1,3%, Calcium CaO 3%, Magnesium MgO 0,55%, Manganese MnO 0,2%, Sulphur SO_3 0,2%, Titanium TiO_2 0,16%.

DOSAGE:

1-1.5 kg/ha 1-2 times a season in the form of foliar spraying.

ADVANTAGES OF USE:



Contains natural silicon and increases the resistance of plants to diseases and pests.



Immunises plants to environmental stresses, e.g. drought, extreme temperatures, mechanical damage.



Strengthens cell walls and supports nutrient uptake and water transport.



A ROOT THAT GIVES AN ADVANTAGE





POWERCOP

PLANET POWERION – WHERE ROOTS HAVE POWER!

On Powerion, everything starts below the surface. A vast network of roots envelops it like a cosmic web, giving plants energy and stability. POWERCOP is the source of this power – it strengthens the root system, allowing plants to draw more water and nutrients. On Powerion, each plant stands firmly, as if anchored in the starry ground, ready to face the most difficult conditions. It is a planet where strength really flows from the depths.

COMPOSITION:

Dry matter 10% (including 50% amino acids and algae extract), K₂O min. 1%, MgO min. 0,02%, S min. 0,25%, humic acids (C) min. 10 g/l, fulvic acids (C) min. 8 g/l, organic substance min. 40%.

DOSAGE:

Foliar fertilization: 2 l/200-300 l of water/ha, up to 5 times during the growing season. The first application should be during the early growth stages (2-4 leaf stage).



Available packages:

Powder form:

1 L | 5 L

Liquid form:

0,5 kg | 1 kg | 5 kg

MECHANISM:

POWERCOP is an organic-mineral fertilizer containing highly active biological components derived from *Ascophyllum nodosum* seaweed and the latest generation of concentrated humic acids. This product is enriched with plant amino acids that have a regenerative and supportive effect on the plant's root system. It ensures strong adhesion to the plant and quick absorption, facilitated by alginic acid, which also aids in the transport of nutrients from the soil. In addition, laminarin, a polysaccharide in the formula, supports natural plant defense mechanisms, such as strengthening cell walls and promoting the production of resistance proteins.

The fertilizer also contains natural substances like betaine and glycine from seaweed, which have strong anti-stress properties and assist in water usage and energy conversion processes in plants. POWERCOP stimulates chlorophyll production, boosting photosynthesis efficiency. The humic acids it contains significantly improve the development of the root system and enhance the plant's resistance to environmental stress factors such as drought, low temperatures, and pest infections.

The innovative CIT (Cellular Intelligent Technology) process involves a specialized extraction of seaweed components combined with pure, active humic acids. This allows the product to rapidly penetrate plant structures, effectively supporting growth and development.

BENEFITS OF USE:



Instantly strengthens and regenerates plants and their root system, working comprehensively.



Stimulates the development and growth of the root system, especially the root hairs in young plants.



Effectively increases plant resistance to stress and improves water use efficiency.

THE FOUNDATION FOR YOUR CROP



AGRARIUS

bi calc+

NOWOCZESNY
NAWOZ MINERALNY - WAPNO NAWOZOWE
wzbogacony o bakterie z rodzaju Bacillus



600 kg





bi calc+

CALCUS – THE PLANET OF SOIL BALANCE!

On Calcus, the soil is stable and balanced like the orbits of the planets orbiting the star. Here, every gram of soil breathes calcium, which regulates pH and restores balance, creating ideal conditions for roots and plant growth. Bi calc+ makes your crops grow on a solid foundation – stronger, healthier and better nourished. Calcus is a planet where soil stability is a guarantee of abundant yields, and calcium becomes the guardian of its cosmic balance.



Available packages:

10 kg | 25 kg | 600 kg

COMPOSITION:

Calcium carbonate, bacteria from the *Bacillus* (*B. subtilis*, *B. megaterium* and *B. azotofixans*), and activators of biological functions.

DOSAGE:

DOSE	APPLICATION
0,5 - 1 t/ha	Apply annually depending on soil acidity and its agronomic category. Bi calc+ can be used from spring until late autumn, though the best time for application is after harvesting and in the autumn.
Do not apply immediately before or after the use of mineral fertilizers containing phosphorus and nitrogen in ammonium or amide form, as well as organic fertilizers such as manure, slurry, or liquid manure. It is recommended to wait at least 3-4 weeks between these treatments.	
Do not apply the product on frozen, water logged, saturated, or snow-covered soils.	
Bi calc+ should not be used in combination with plant protection products.	

MECHANISM:

Bi calc+ is a modern, granular lime fertilizer that uses a highly reactive form of calcium carbonate. It is designed for all types of crops, providing essential nutrients and substances that aid in plant productivity, while also promoting the growth of beneficial microorganisms in the soil. This fertilizer is safe for the ecosystem and can be used in both autumn and spring.

The first phase of the product's action involves regulating the pH level of the soil. Given that most soils in Poland are acidic and lack calcium, it is important to provide an adequate supply of this element. Bi calc+ activates the mineral components that are present in the soil but not readily available. With its use, the soil becomes enriched with all the elements necessary for healthy plant growth, such as phosphorus, potassium, magnesium, sulfur, sodium, copper, zinc, manganese, and iron. Soils treated with bi calc+ have an improved ability to retain nutrients, making them more available for plant absorption.

The second phase is based on soil activation with *Bacillus* sp. bacteria and biological function activators, which create an optimal soil environment. These bacteria not only accelerate the decomposition of organic matter, but also participate in nitrogen and phosphorus transformations and humus formation. In addition, they naturally protect plants from pathogens and contribute to their increased growth. Lime application increases nitrogen uptake from the air by free-living microorganisms and improves phosphorus availability in the soil. It should be noted that it also stimulates root development, improving nutrient absorption and increasing yield.

BENEFITS OF USE:



Improves soil pH and activates the nutrients accumulated within it.



Contributes to the improvement of soil biological activity and enhances its phytosanitary condition.



Helps increase yields and prevents the effects of drought.



EKG NEW!

ECONOMIC SOIL CREATOR

EKG is a modern preparation improving soil properties, distinguished by an innovative method of obtaining humic acids. It contains a high concentration of pure and active fulvic acids and humic acids, which intensively support the fertility and structure of the soil. It is characterised by very good solubility, and its application in the form of soil spraying is simple and effective. It can be safely used with microbiological preparations, natural and mineral fertilisers. Regular use of EKG regenerates degraded soils and increases their yield potential while being safe for plants and the environment.

COMPOSITION:

Potassium 0.5 % (m/m), humic acids at least 35 g/l, fulvic acids at least 2 g/l, Corg. min. 2% (m/m), organic matter min. 25% (m/m), pH at least 8.0.

DOSAGE:

Apply the product as a spray to the soil surface about 2-3 weeks before planned sowing/ planting, at a dose of 10 l/200-300 l of water/ha.

ADVANTAGES OF USE:



Improves soil structure and water capacity, and enriches it with mineral and organic substances.



Reduces the availability of toxic substances from the soil.



Retains water-soluble mineral fertilisers in the root zone and reduces their leaching.



Available packages:

200 L | 1000 L

N Turgor

NITROGEN FERTILISER

Specialist foliar fertiliser preparation N Turgor is a breakthrough product developed to protect plants against adverse conditions resulting from water scarcity. N Turgor nitrogen fertiliser provides easily available nitrogen, reduces dehydration of plant cells during drought, strengthens them, accelerates growth and adds vigour to crops.

COMPOSITION:

Azot ze stabilizatorem 15%, Sód 2,2%, Mangan 0,1%, Miedź 0,01%, Cynk 0,01%, Bor 0,01%, Molibden 0,01%, Kobalt 0,001%. Substancje humusowe pochodzące z przetworzenia ligniny - 30%.

DOSAGE:

Agricultural, fruit and vegetable plants: 2-3 l/200-400 l water/ha, 2-4 times a season.



Available packages:

1 L | 5 L | 20 L

GleboMax

HUMIC ACIDS

GleboMax is a liquid preparation, which consists of highly active humic acids of the latest generation and small amounts of minerals. Regularly used, it ensures the improvement of soil structure and adequate level of moisture and nutrition. It also increases the amount of humus in the soil. Thanks to the use of innovative MAT technology (Micro Absorption Technology), the product works almost immediately after application, penetrating deep into the soil and acting as a specific binder for minerals.

COMPOSITION:

Organic substances, humic acids (humic and fulvic acids), trace amounts of nitrogen, potassium and sulphur.

DOSAGE:

10 l/200-300 l of water/ha (20 l in very light soils), apply as a soil spray, about 2-3 weeks before planned sowing or planting of plants.



Available packages:

250 ml | 10 L | 20 L
200 L | 1000 L

AlgoRytm PK

PHOSPHORUS-POTASSIUM FERTILIZER

A liquid fertilizer with a high content of potassium and phosphorus, enhanced by an extract from marine algae. The product is designed for foliar feeding and is supported by QM6™ technology, ensuring proper plant nutrition during vegetation, while improving plant health and yield. Using the fertilizer provides immediate regeneration and enhances the health of plants exposed to adverse conditions. It ensures a high yield with excellent quality.

COMPOSITION:

Phosphorus 13%, Potassium 17,5%, extract from marine algae *Ascophyllum nodosum*.

DOSAGE:

Agricultural crops, orchard crops, vegetables: 2-3 l/200-400 l of water/ha, 2-4 times per season.



Available packages:

1 L | 5 L | 20 L | 1000 L

PoliSil

SILICON FERTILIZER

Foliar silicon fertilizer in suspension form supporting plant resistance to adverse conditions. Silicon helps build natural protective barriers and retains more water in plant cells. It supports the plant's natural ability to defend itself against pests and diseases by strengthening cell walls through silica saturation. Additionally, easily available zinc in the fertilizer supports plant resistance to diseases and enhances nitrogen fertilization efficiency.

COMPOSITION:

Silica in various forms 40%, Zinc 2%.

DOSAGE:

Agricultural crops, orchard crops, vegetables: 1-2 l/200-300 l of water/ha, 2-3 applications per season.



Available packages:

250 ml | 1 L | 5 L

Calory

CALCIUM FERTILIZER

A specially formulated foliar calcium fertilizer with a unique suspension composition that can be used throughout the entire growing season. It provides easily absorbable calcium in ionic form and ensures optimal metabolism of nitrogen, potassium, phosphorus, magnesium, and iron. Additionally, it improves fruit health and quality, as well as their transport and storage durability.

COMPOSITION:

Calcium 15%, Zinc 0,01%, Copper 0,01%, Manganese 0,1%, humic acids derived from lignin processing.

DOSAGE:

Agricultural crops: 0,5-1 l/200-500 l of water/ha, 2-3 times per season. **Vegetable crops:** 1-2 l/200-500 l of water/ha, 4-6 times per season. **Orchard crops:** 1,5-2 l/200-500 l of water/ha, 4-8 times per season.



Available packages:

250 ml | 1 L | 5 L

full terminator

POST-HARVEST RESIDUE DECOMPOSITION

An effective nitrogen fertilizer with micronutrients and humic acids designed to accelerate the decomposition of post-harvest residues. It evenly coats organic matter, adheres easily, and stimulates soil microorganisms to multiply and act more quickly. Suitable for use in all types of crops.

COMPOSITION:

Total Nitrogen 15%, Sodium 2,2%, Boron 0,01%, Copper 0,01%, Manganese 0,1%, Molybdenum 0,001%, Zinc 0,01%, humic acids.

DOSAGE:

5 l/200-300 of water/ha: recommended for direct application to post-harvest residues left after harvesting. Soil cultivation can be performed immediately after application.



Available packages:

5 L | 20 L





AGRICULTURAL SOLERS

FERTILIZER FOR AGRICULTURAL CROPS

SOLER is an innovative micronutrient fertilizer in gel form, designed for foliar feeding of agricultural crops. It instantly provides plants with the appropriate proportions of micronutrients, meeting their specific nutritional requirements. QM6™ formula enhances nutrient uptake, accelerating growth and yield, while SILEVEL™ ensures long-lasting effects, retaining nutrients on the plant for better absorption.

In the AGRARIUS offer, we can distinguish various types of fertilizers from the agricultural series:

- SOLER K** (for corn),
- SOLER R** (for rapeseed),
- SOLER B** (for sugar beet),
- SOLER C** (for cereals),
- SOLER P** (for potatoes),
- SOLER L** (for soybeans and legumes),
- SOLER S** (for sunflower).



Available packages:

1 L | 5 L | 20 L

COMPOSITION:

Content % w/w.

COMPONENT:	SOLER K	SOLER R	SOLER B	SOLER C	SOLER P	SOLER L	SOLER S
Boron	0,50	1,00	1,00	0,10	0,40	0,40	0,40
Copper	2,00	1,50	2,00	2,50	1,50	1,50	1,50
Manganese	3,50	4,00	4,00	4,00	4,50	3,50	4,00
Molybdenum	0,02	0,02	0,02	0,02	0,02	0,02	0,50
Zinc	4,00	3,50	3,00	3,50	3,50	4,00	3,00
Sulfur	12,90	12,30	12,30	13,50	13,10	12,30	11,70

DOSAGE:

DOSE

1 l/ha/200-300 l of water, 2-3 times per season.

MECHANISM:

SOLER fertilizers for agricultural crops, thanks to modern technologies, contain hydrogels based on silicon that trap micronutrients in special „pockets.” The sulfates of elements, being smaller particles than the commonly used chelates, penetrate plants faster and more easily, increasing the efficiency of nutrient absorption. This process ensures more efficient delivery of micronutrients, improving their availability to plants.

Due to the prolonged effect upon contact with the plant, SOLER fertilizers provide nutrients for a long time, ensuring their stable availability. The hygroscopic properties of the product cause it to dry more slowly and, in the presence of moisture, swell easily, maintaining high adhesion to the plants, making it difficult to wash off, even during rainy weather.

The high sulfur content in the fertilizer strengthens plants, has health-promoting, disinfecting, and stimulating effects. These specially formulated agricultural fertilizers address micronutrient deficiencies, ensuring optimal plant growth and supporting crops. The proper dose of boron (B) and molybdenum (Mo) in the fertilizers prevents developmental issues and helps increase yield and its efficiency. Other micronutrients, such as copper (Cu), manganese (Mn), zinc (Zn), and sulfur (S), improve nitrogen utilization efficiency, stimulate the root system, and enhance plant resistance to diseases.

SOLER is safe for crops because it does not contain chlorine. The fertilizer is easy to apply and, as the only comprehensive micronutrient fertilizer, does not contain nitrogen or any unnecessary elements.

BENEFITS OF USE:



Effectively supplements micronutrient deficiencies in crops, stimulating plants for proper growth and yield.



The gel consistency allows for efficient and almost complete absorption.



The content of sulfur and systemic copper properly nourishes plants and affects the phytosanitary condition of the crop.



HORTICULTURAL SOLERS

FERTILIZER FOR GARDEN CROPS

Modern, efficient micronutrient fertilizers in suspension form, developed as a specialized plant nutrition solution for garden plants. SOLER foliar fertilizers contain high concentrations of systemic copper and sulfur, which enhance plant resistance to fungal infections. The micronutrients in the fertilizer support plant development, acting in a strengthening, health-promoting, and stimulating manner.

In the AGRARIUS offer, there is multiple types of fertilizers from the garden series:

SOLER Red (for tomatoes, cucumbers, peppers, pumpkins, zucchinis, eggplants),

SOLER Green (for cabbage, cauliflower, broccoli, and other leafy vegetables),

SOLER Brown (for carrots, beetroot, celery, parsley, onions, and garlic),

SOLER Fruit (for fruit trees and shrubs, as well as strawberries),

SOLER Flower (for ornamental plants).



Available packages:

250 ml | 1 L | 5 L

COMPOSITION:

Content % w/w.

COMPONENT:	SOLER Red	SOLER Green	SOLER Brown	SOLER Fruit	SOLER Flower
Boron	1,00	1,00	0,40	1,00	1,00
Copper	2,00	1,50	1,50	2,00	2,00
Manganese	4,00	4,00	4,50	4,00	4,00
Molybdenum	0,02	0,02	0,02	0,02	0,02
Zinc	3,00	3,50	3,50	3,00	3,00
Sulfur	12,30	12,30	13,10	12,30	12,30

DOSAGE:

DOSE:

1 l/ha/200-300 l of water, 2-3 times per season.

MECHANISM:

This special line of fertilizers is dedicated to garden crops, including orchard, vegetable, and ornamental plants. Thanks to the unique composition and applied technologies: SILEVEL™ and QM6™, SOLER fertilizers provide plants with comprehensive micronutrient nutrition throughout the entire growing season. All SOLER fertilizers contain carefully selected components. Zinc (Zn) affects growth and development and is involved in the synthesis of chlorophyll and vitamins B, C, and P. Boron (B) improves yield quality and contributes to its increase. Copper (Cu) is responsible for tissue development and structure, as well as respiration processes. It also plays a role in the transformation of iron compounds and the synthesis of vitamin C.

SOLER fertilizers also contain manganese (Mn), which participates in photosynthesis and protein synthesis. Additionally, it regulates plant hormone levels, activates many enzymes, and stimulates nutrient uptake by plants. Molybdenum (Mo) plays an important role in nitrogen metabolism and is a component of many enzymes. It also affects the metabolism of phosphorus compounds in plants. The final component, sulfur (S), is a building block of disulfide bridges in nucleic acid chains. It is involved in protein synthesis and is an important component of fats and amino acids.

SOLER fertilizers are safe for use in garden crops, as they do not contain any harmful residues. Thanks to their high absorption rate by plants, they are also beneficial for the natural environment. The components in SOLER formulations have disinfecting properties for sprayers and exhibit fungicidal functions for plants. This helps limit the growth of pathogens. The gel consistency of the products allows for long-term storage while maintaining full effectiveness and quality. The fertilizer is easy to mix and pour, ensuring convenience during use.

BENEFITS OF USE:



Effectively supplements micronutrient deficiencies in crops, stimulating plants for proper growth and yield.



The content of sulfur and systemic copper properly nourishes plants and affects the phytosanitary condition of the crop.



Safety of use, absence of harmful residues, and fast and effective absorption by plants.

OUR PODCASTS



THE BEST PODCAST
ABOUT PROFESSIONAL AGRICULTURE
IN POLAND!

FIRST-HAND KNOWLEDGE
EVERY MONTH A NEW EPISODE ON OUR YOUTUBE
CHANNEL!

EXCEPTIONAL GUESTS
WHO SHARE EXPERIENCE WITH AGRARIUS
TECHNOLOGY!



Specialized orchard preparations

Professional and safe fertilizers for fruit plants are AGRARIUS's response to the needs of modern fruit cultivation. The range of products for orchard growers includes preparations that extend flowering and prevent premature fruit drop from trees. All products for orchards are safe for pollinators and do not require any waiting period.



Find out more on our website:
www.agrarius.eu/spsen/





**THE FORCE
THAT KEEPS THE
YIELD UP**

STOP DROP FRUIT

NODROPION – WHERE GRAVITY DOES NOT EXIST!

On Nodropion, gravity works differently – the fruits stay firmly on their branches, ripening gently and evenly. STOP DROP is the secret of this planet – it protects against premature falling and allows plants to use their full potential. Thanks to this, the crops on Nodropion are rich, juicy and harvested exactly at the right time. It is a world in which fruits remain in the orbit of trees until perfect maturity.

COMPOSITION:

Cobalt, zinc, molybdenum, and concentrated humic acids derived from lignin processing.

DOSAGE:

1 l/500-1000 l of water/ha: foliar spray 3-4 weeks before the planned harvest date.



Available packages:

250 ml | 1 L

MECHANISM:

The innovative STOP DROP FRUIT product from AGRARIUS is a safe pre-harvest fertilizer containing essential micronutrients for the proper growth and development of fruit. STOP DROP FRUIT prevents premature fruit drop caused by stress due to unfavorable conditions such as plant weakening, high temperatures, drought, hail, wind, rain, or other environmental stresses. STOP DROP FRUIT is an effective orchard fertilizer with proven action.

This fertilizer effectively keeps the fruit on the plant until full ripening, improves its taste, and slows down the aging process of the entire plant. The preparation increases the plant's resistance to unfavorable conditions during fruiting, prevents physiological problems, and protects against premature cell aging. This fertilizer does not contain artificial hormones and does not require a waiting period – it can be safely used in all types of fruit crops without any risk to humans, pollinating insects, or the natural environment.

STOP DROP FRUIT stimulates plants to increase yield and ensures uniform fruit calibration. The preparation triggers the production of bioactive substances in plants, such as auxins, sugars, cytokinins, and gibberellins, while also preparing the plants to withstand strong stress.

After using STOP DROP FRUIT, plants are better supplied with micronutrients necessary for proper fruit development and ripening. This fertilizer minimizes the risk of premature fruit drop, improves crop quality, creates favorable conditions for optimal fruit growth and full color development, and at the same time enhances fruit durability and resistance to storage-related diseases.

BENEFITS OF USE:



Reduces premature fruit drop and enhances their taste quality.



Improves coloring, calibration, and storage properties of fruits.



Increases the resilience of fruit trees and shrubs to environmental stresses.





STOP DROP FLOWER

NODROPION – WHERE FLOWERS DEFEAT GRAVITY!

STOP DROP FLOWER acts as an invisible force that keeps flowers on plants, despite the presence of gravity. As a result, the flowers bloom longer and do not fall prematurely, giving the plants the full potential to produce abundant yields.

COMPOSITION:

Cobalt, zinc, molybdenum, and concentrated humic acids derived from lignin processing.

DOSAGE:

1 l/500-1000 l of water/ha: foliar application before frosts, before flowering begins, and at the start of flowering.



Available packages:

250 ml | 1 L

MECHANISM:

STOP DROP FLOWER is a fully safe micronutrient fertilizer that ensures abundant and slow flowering, extends the pollinator activity period, and equips the plant with the necessary tools to withstand stress. Thanks to the innovative QM6™ technology, plants are stimulated to absorb more nutrients, grow faster, and produce better yields. The use of this product not only extends the flowering period of fruit trees and shrubs but also reduces the premature dropping of flower buds.

Slow flowering brings numerous benefits. When flowers bloom simultaneously, it is particularly difficult for the plant to sustain and nourish all the blooms. Additionally, pollinating insects struggle to visit all flowers for effective pollination. With the application of this innovative preparation, the issue of simultaneous blooming is resolved, as the extended flowering period gives pollinators more time to pollinate. The formulation contains three essential micronutrients for plant growth: cobalt, molybdenum, and zinc.

Cobalt is a key element in plant growth. Its action primarily involves inhibiting the biosynthesis of ethylene, which directly impacts the delay of cell aging, more efficient fruit setting, and retention. Cobalt also participates in metabolic processes, increases chlorophyll content in leaves, and aids in nitrogen compound transformations. The addition of cobalt enhances the plant's drought resistance and contributes to improved yields.

Molybdenum is essential for nitrogen metabolism and plays a role in numerous biochemical processes. Its primary function is to extend the lifespan of the produced pollen. Molybdenum also participates in phosphorus metabolism – its deficiency leads to excessive accumulation of inorganic phosphorus in plants. Like cobalt, it enhances plant resilience to extreme temperatures, drought, and diseases. It also influences chlorophyll formation. Zinc is vital for plant growth. It is involved in enzymatic processes, accelerates metabolism, and has a direct impact on the absorption of nitrogen and phosphorus.

BENEFITS OF USE:



Ensures slow blooming, which promotes effective pollination of flowers.



Reduces premature falling of flowers and fruit set.



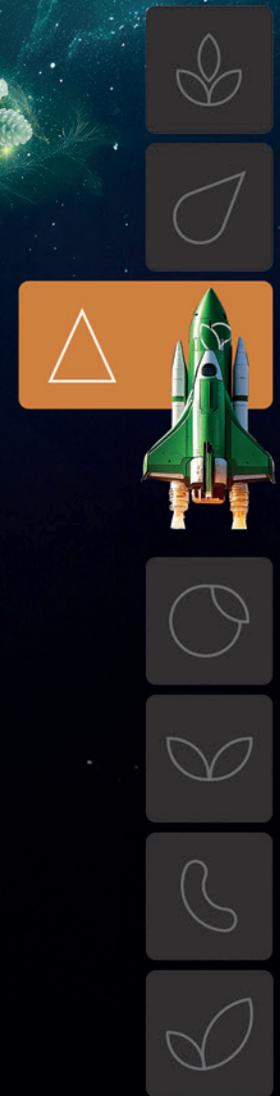
Is safe to use and does not require a waiting period.

Specialised products for forestry cultivation

Products intended for use in forest nurseries and decorative conifer plantations. The forestry crop series ensures excellent health condition, resistance to harsh environmental conditions and stress, rapid growth, and proper density. AGRARIUS fertilizers guarantee a lasting and vibrant green color and are safe for the environment.



Find out more on our website:
www.agrarius.eu/plien/





Forest Max

CONIFER FERTILIZER

A specialized foliar nitrogen fertilizer for use in forest nurseries and conifers plantations, featuring a selectively chosen combination of nitrogen and microelements, as well as long-lasting action. Nitrogen in a stabilized form is available to plants for up to three months and plays a key role as a reservoir of this element for conifers. Especially in drought conditions, typical for this type of crop, the availability of nitrogen supported by microelements is of great importance.

COMPOSITION:

Nitrogen with stabilizer 15%, Manganese 0,1%, Sodium 2,2%, Copper 0,01%, Boron 0,01%, Zinc 0,01%, Molybdenum 0,01%, Cobalt 0,001%, Humic substances derived from processed lignin 30%.

DOSAGE:

CROP	DOSE	APPLICATION
Forest nurseries	2-3 l/200-400 l of water/ha	2-4 times per season.
Conifer plantations	2-3 l/200-400 l of water/ha	2-4 times per season depending on the age and height of the plants.

BENEFITS OF USE:



Ensures rapid growth, proper density, and intense color of plants.



Supports physiological processes in coniferous plants, making them resistant to unfavorable environmental conditions.



Contains nitrogen stabilized with an innovative method, which works for up to 100 days.



Available packages:

1 L | 5 L

Bicor Forte

FERTILIZER FOR USE IN FOREST NURSERIES

Highly concentrated multi-component fertilizer containing macro and microelements as well as humic acids. It is designed for use in forest nurseries, both for coniferous and deciduous plants. Bicor Forte ensures intensive growth of tree seedlings, improves rooting, and increases the effectiveness of young forest plants' establishment. Additionally, it strengthens and enhances their resistance to unfavorable environmental conditions, stresses, diseases, and pests.

COMPOSITION:

Total Nitrogen 8,5%, Phosphorus 4%, Potassium 4%, Boron 0,10%, Cobalt 0,001%, Copper 0,01%, Manganese 0,1%, Molybdenum 0,01%, Zinc 0,01%.

DOSAGE:

CROP	DOSE	APPLICATION
Forest nurseries (coniferous and deciduous plants)	1-4 l/200-400 l water/ha	Foliar and soil application; 4-8 times per season.

Also recommended for use with irrigation systems.

BENEFITS OF USE:



Ensures intense growth and high health of seedlings and young plants.



Contains humic acids (fulvic), which have an anti-stress effect and facilitate the uptake of nutrients into the plant.



Ensures proper nutrition of plants and rapid regeneration, even during limited water availability.



Available packages:

5 L | 20 L



nanogro aqua FOREST

CONIFER GROWTH STIMULATOR

A specialized growth stimulator for conifer plants, dedicated to plantations and forest nurseries. The product has a positive effect on the establishment, development, and regeneration of the root system in young plants. It supports the growth and densification of conifers, as well as strengthens their resistance to diseases and pests.

COMPOSITION:

Sulfates of elements (N, P, K, S, Mg, Ca, Na, Fe, Cu, Zn, Mn, B, Si) in nanomolar concentration, next-generation humic acids derived from lignin processing.

DOSAGE:

Coniferous trees and shrubs: 250 ml/200-600 l of water/ha, 1-2 applications per season. **Protection against frost/heat:** apply 2-3 days before expected frost/heat; regeneration can be repeated after 7-10 days. **Regeneration after damage caused by plant protection products:** apply immediately after noticing symptoms.

Preparation from the group "BIOSTIMULANTS FOR USE IN FORESTRY" recommended by the Forest Research Institute in Sękocin Stary.



Available packages:

250 ml | 5 L

SOLER Forest

MICROELEMENT FERTILIZER FOR CONIFERS

An innovative microelement fertilizer in suspension form, designed for feeding coniferous plants in nurseries and ornamental plants. The fertilizer contains essential microelements as well as large amounts of sulfur and systemic copper, which are necessary for maintaining resistance to diseases, pests, and stressful conditions.

COMPOSITION:

Boron 1,00%, Copper 1,50%, Manganese 4,00%, Molybdenum 0,02%, Zinc 3,50%, Sulfur 12,30%.

DOSAGE:

1 l/300-600 l of water/ha, 2-4 applications per season.



Available packages:

250 ml | 1 L

bi protect FOREST

BACTERIAL PREPARATION FOR CONIFEROUS PLANTS

A microbiological product containing *Bacillus subtilis* bacteria, which effectively supports the decomposition of organic matter and contributes to soil structure in forest plantations. Additionally, it positively influences the natural limitation of diseases, the absorption of nutrients from the soil by plants, and promotes mycorrhizal development.

COMPOSITION:

Bacillus subtilis bacteria in a concentration of at least 1×10^9 CFU per 1 gram of the product.

DOSAGE:

Ornamental trees and shrubs: 1 kg/350-1000 l of water/ha, 3-4 times per season. **Coniferous crops:** 1-2 kg/350-1000 l of water/ha, 1-2 times per season in early spring or autumn.

Preparation from the group "BIOSTIMULANTS FOR USE IN FORESTRY" recommended by the Forest Research Institute in Sękocin Stary.



Available packages:

1 kg | 5 kg

bi fosfor FOREST

PHOSPHOR-SOLUBILIZING BACTERIA FOR CONIFERS

The soil bacterial product is based on a carefully selected strain of Phosphor-solubilizing bacteria — *Bacillus megaterium*. It supports the nutrition of plants with phosphorus and improves the phytosanitary condition of crops and the decomposition of organic matter in the soil on conifer plantations and in ornamental plant nurseries.

COMPOSITION:

Bacillus megaterium bacteria in a concentration of at least 1×10^9 CFU per 1 gram of the product.

DOSAGE:

Ornamental trees and shrubs: 1 kg/400-600 l of water/ha, 1-2 times per season. **Coniferous crops:** 1-2 kg/350-1000 l of water/ha, 1-2 times per season in early spring or autumn.

Preparation from the group "BIOSTIMULANTS FOR USE IN FORESTRY" recommended by the Forest Research Institute in Sękocin Stary.



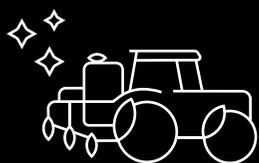
Available packages:

1 kg | 5 kg

PREPARATION OF LIQUID FOR USE

STEP BY STEP

The effectiveness of spraying depends not only on the product, but above all on the quality of water, which accounts for up to 95% of the working liquid. Water that is too hard or with the wrong pH can significantly reduce the effects of the treatment. The first step is to prepare the water. The full condition conditioner stabilises its parameters, improves the solubility of the substance and creates ideal conditions for the operation of plant protection products. Thanks to this, each subsequent stage – from mixing to application – is simpler, and spraying is more effective and safe.



1

Before you prepare the liquid, make sure that the entire sprayer is thoroughly cleaned.



2

Pour water into the tank to about halfway and switch on the mixer.



3

Stabilise the solution – to do this, add full condition water conditioner to the working mixer.



4

One by one, add the prepared products for spraying.



5

Fill the tank with water to the required volume.

IF YOU ARE USING SEVERAL PREPARATIONS, FOLLOW THE CORRECT ORDER:
FIRST THE SUSPENSIONS, THEN THE EMULSIONS, AND FINALLY THE SOLUTIONS.





Water Conditioner

An effective and cost-efficient solution to the problem of the negative impact of using poor-quality water in sprays. Using a conditioner translates into the effectiveness of the active ingredients in the working solution.



Find out more on our website:
www.agrarius.eu/kwen/



full kondycja

WATER CONDITIONER

A multi-functional conditioner for the working solution, used to improve the effectiveness of spraying. It ensures excellent wetting, enhances leaf coverage, regulates and buffers pH, softens water, improves the miscibility of the working solution, and has an anti-stress effect on the plant during and after spraying. Additionally, it increases the absorption of active ingredients by the plant, ensuring their full action. It is plant- and environmentally-friendly, containing no oils or silicone. It accelerates absorption and dries quickly on the leaf, preventing burning.

COMPOSITION:

Substances that improve the absorption of active ingredients, fulvic acids, pH regulators, chelating agents, anti-foaming agents, substances that enhance wetting.

DOSAGE:

DOSE	APPLICATION
1-2 l/1000 l of water.	Depending on the pH of the water used for spraying, apply 1 to 2 liters of the product per 1000 l of water. After the product is fully dispersed in the water, active ingredients (plant protection products, fertilizers, stimulants, etc.) can be added in the order recommended by the product manufacturers. Use only in clean sprayers.



Available packages:

1 L | 5 L

MECHANISM:

An innovative water conditioner, this product is essential when using sprays to improve wetting, increase the efficiency of active ingredient absorption, enhance miscibility, dispersion, and emulsifying properties, and strengthen the adherence of the working solution to the leaf. The use of the Full Kondycja product provides an effective and economical solution to the problem of poor-quality water.

Due to the presence of fulvic acids, the product is highly effective. It improves adhesion and the absorption of active ingredients to maximize the effectiveness of treatments. By combining synergistic surfactants, it positively affects the surface tension, while limiting undesirable foaming of the working solution.

The main ingredient of the water conditioner is fulvic acids, which have broad applications in agriculture. They have chelating properties, meaning they can form complexes with minerals such as iron, copper, zinc, and other micronutrients, making them more available to plants. The water conditioner acts as a natural immunostimulant for plants, helping them combat pathogens and environmental stresses.

DOSAGE:



Regulates the pH of the working solution and provides buffering properties.



Increases the effectiveness of applied substances and minimizes the rapid drying of the working solution.



Acts as an anti-stress agent and allows for a reduction in the dosage of active substances.

ECO cultivation preparations

Certified AGRARIUS products are the answer to the growing demand for „healthy food.”
The products have been approved by IUNG-PIB in Puławy for use in organic farming.



Find out more on our website:
www.agrarius.eu/peen/





Guided by our idea „In harmony with nature,“ we enrich our offer with certified products intended for organic farming. We focus on solutions that not only embody modernity and effectiveness but are also safe for crops, the environment, and people. AGRARIUS certified products were created without the use of harmful substances, responding to the growing daily demand for high-quality natural food.

The products have been approved for use in organic farming by the Institute of Soil Science and Plant Cultivation – National Research Institute in Puławy.



bi complex max

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bi azot

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bi fosfor

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bi protect

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bi sĺoma

page 16



bi safe

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bi system24

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bi seed

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AgrarSi Max

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AgrarSi

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bi calc+

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SOLER C

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SOLER K

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SOLER R

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SOLER B

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SOLER Fruit

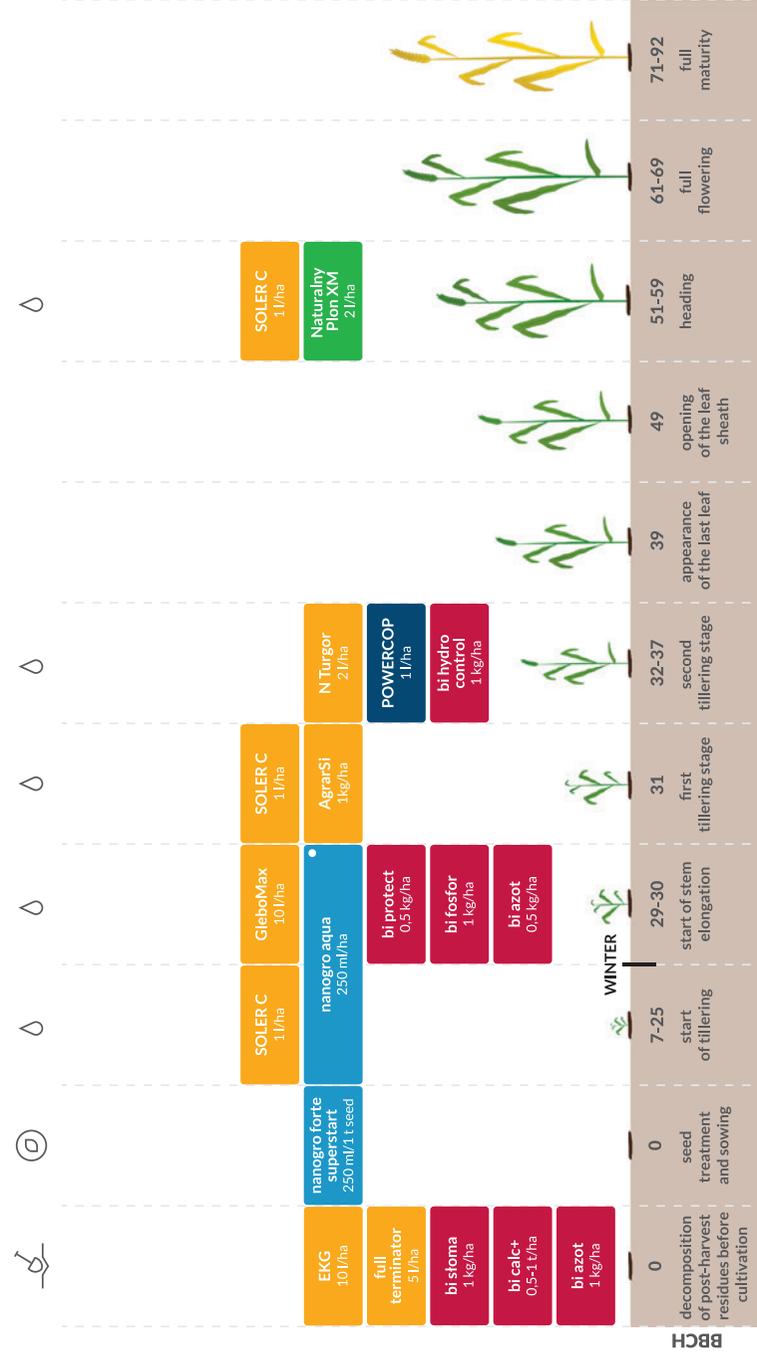
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Proposed technology for using AGRARIUS products in agricultural and horticultural crops

Turn the catalog – rise above the schemes!



Wheat cultivation

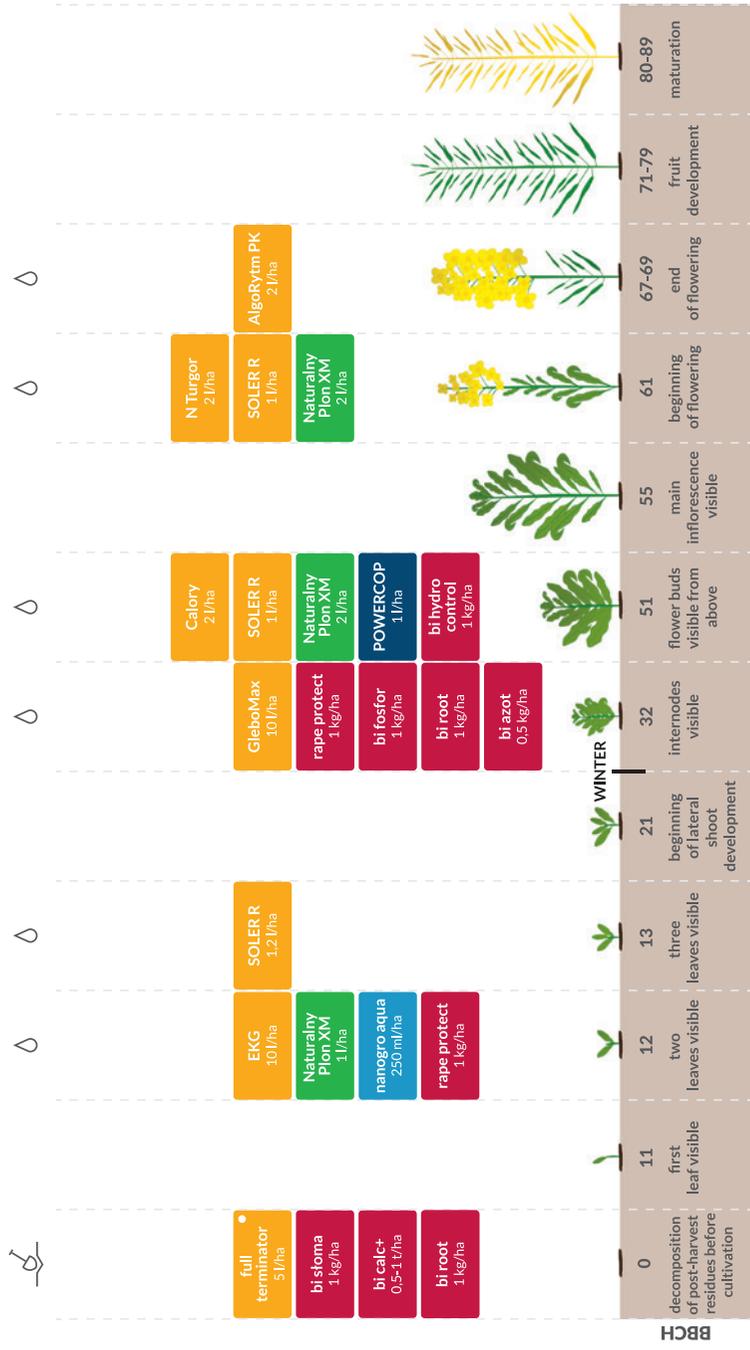


Key:

- use if the seeds were not treated with nanogro forte superstart
- ⊙ seed treatment
- ♣ soil preparation



Rape cultivation



Key:

- decomposition of post-harvest residues
- 🌱 soil preparation
- 🌿 foliar application

Sugar beet cultivation



Key:

- or Lignohumat Super 1 kg/ha
- 🌱 soil preparation
- 🌿 foliar application

Potato cultivation

	⏳	⊕	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳
EKG 10 l/ha													
full terminator 5 l/ha													
bi sloma 1 kg/ha													
bi calc+ 0.5-1 l/ha													
bi fosfor 1 kg/ha													
WINTER													
decomposition of post-harvest residues													
soil preparation in spring													
germination													
emergence													
leaf rosette growth													
inter-row covering and formation of stolons and tubers													
plant flowering													
maturity of fruits													
wilting of shoots and tuber maturation													

Key:

- if the tubers were not treated with nanogro forte superstart zibmniak

⊕ tubers treatment

⏳ foliar application

⏳ soil preparation

⏳ soil application

Cruciferous vegetable cultivation

	⏳	⊕	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳	⏳
EKG 10 l/ha													
full terminator 5-7 l/ha													
bi sloma 1 kg/ha													
bi calc+ 0.5-1 l/ha													
bi system24 1 kg/ha													
WINTER													
decomposition of post-harvest residues before cultivation													
seedlings													
soil preparation before planting													
phase 5-9 leaves													
head formation													
50-80% of the typical head size													
45-48 heads reach typical size													
49 heads reach typical size													

Key:

- or Lignohumat Super 1 kg/ha

⊕ seed treatment

⏳ soil application

⏳ foliar application





Cultivation of vegetable under plastic cover

0-14	0-14	15-19	20-59	60-69	70-73	74-76	77-80
seedlings	young plants	soil preparation for cultivation	young plants in the ground	flowering	beginning of fruiting	fruit development	maturation and harvesting
decomposition of post-harvest residues before cultivation	young plants	soil preparation for cultivation	young plants in the ground	flowering	beginning of fruiting	fruit development	maturation and harvesting
<p>full terminator 5 l/ha</p> <p>bi terra 1 kg/ha</p> <p>bi stoma 1 kg/ha</p> <p>bi calc+ 0,5-1 l/ha</p>	<p>nanogro forte superstart 2.5 ml/1 kg seeds</p> <p>nanogro aqua 2.5 ml/20 l water</p> <p>Naturaly Pion XM 50 ml/60-100 m²</p> <p>bi protect 50 g/60-100 m²</p> <p>bi protect 50 g/60-100 m²</p> <p>bi azot 25 g/250 m²</p> <p>bi hydro control 200 g/500 m²</p>	<p>GleboMax 1 l/250 m²</p> <p>bi fosfor 25 g/250 m²</p> <p>bi safe 50 g/250 m²</p> <p>bi azot 25 g/250 m²</p> <p>nanogro aqua 20 ml/500 m²</p> <p>POWERCOP 250 ml/500 m²</p> <p>bi protect 100 g/500 m²</p> <p>bi hydro control 200 g/500 m²</p>	<p>AgrarSi 1 kg/ha</p> <p>SOLER Red 50 ml/500 m²</p> <p>nanogro aqua 20 ml/500 m²</p> <p>POWERCOP 250 ml/500 m²</p> <p>bi protect 100 g/500 m²</p> <p>bi hydro control 200 g/500 m²</p>	<p>Calory 50 ml/500 m²</p> <p>Naturaly Pion XM 100 ml/500 m²</p> <p>bi protect 100 g/500 m²</p> <p>bi hydro control 200 g/500 m²</p> <p>bi azot 50 g/500 m²</p>	<p>AlgoRytm PK 100 ml/500 m²</p> <p>SOLER Red 50 ml/500 m²</p> <p>Calory 100 ml/500 m²</p> <p>bi hydro control 200 g/500 m²</p>	<p>AlgoRytm PK 100 ml/500 m²</p> <p>AgrarSi 1 kg/ha</p> <p>Calory 100 ml/500 m²</p> <p>nanogro aqua 20 ml/500 m²</p> <p>Naturaly Pion XM 100 ml/500 m²</p> <p>bi azot 50 g/500 m²</p>	<p>AlgoRytm PK 100 ml/500 m²</p> <p>AgrarSi 1 kg/ha</p> <p>Calory 100 ml/500 m²</p> <p>nanogro aqua 20 ml/500 m²</p> <p>Naturaly Pion XM 100 ml/500 m²</p> <p>bi azot 50 g/500 m²</p>
WINTER							
BBCH							

Key:

- after germination
- or Lignohumat Super 100g/250 m²
- PREVENTION: alternately between spraying and irrigation every 3-4 weeks

- ⊙ seed treatment
- ⊙ foliar application
- ⊙ foliar application and fertigation

- ⊙ foliar application
- ⊙ soil application

Fruit tree cultivation

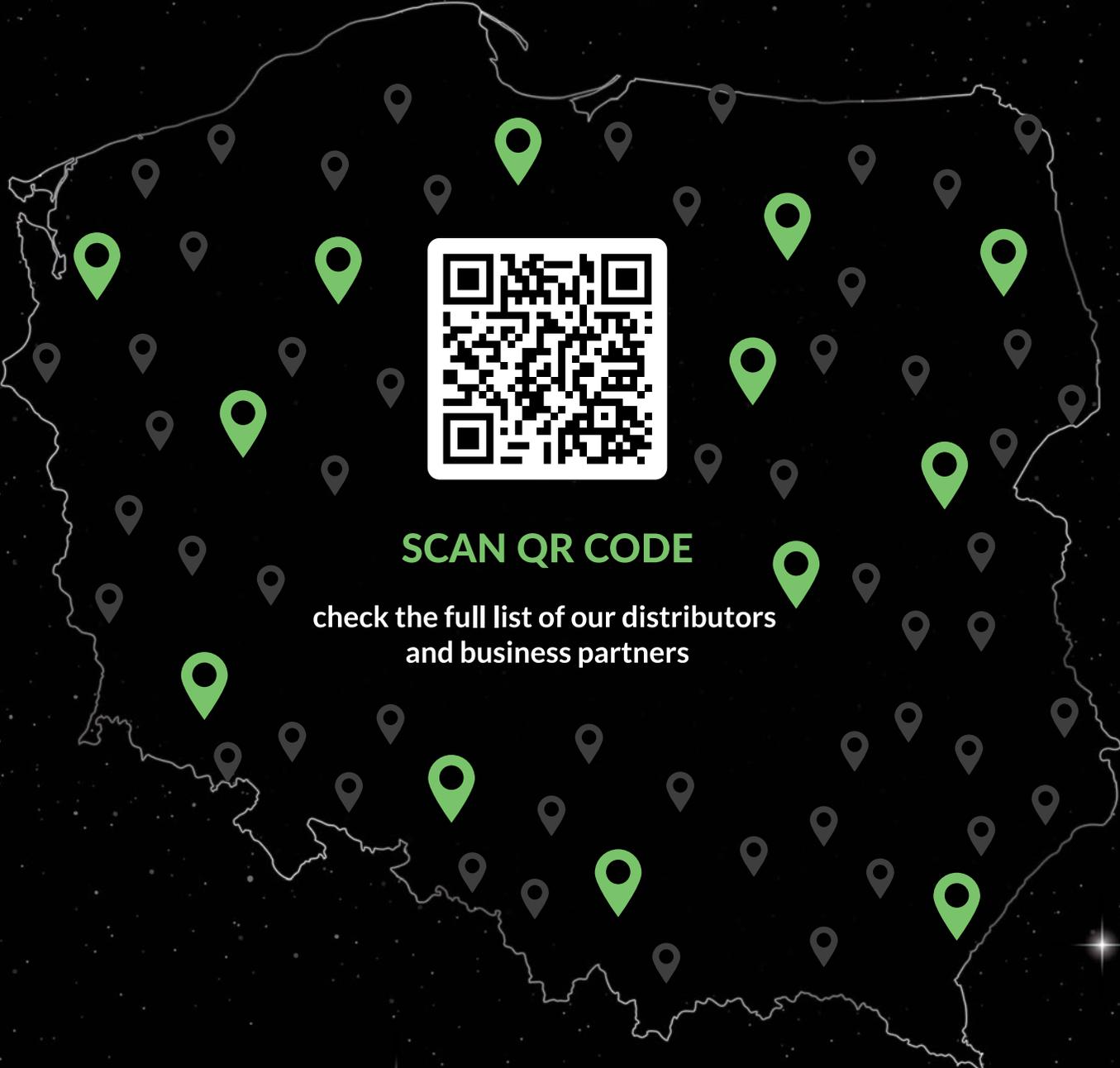
0-14	15-19	20-59	60-69	70-73	74-76	77-80	
seedlings	young plants	soil preparation for cultivation	young plants in the ground	flowering	beginning of fruiting	fruit development	
early spring: soil preparation	green bud	pink bud	beginning of flowering	end of flowering	fruit development	ripening and harvest	
decomposition of post-harvest residues before cultivation	green bud	pink bud	beginning of flowering	end of flowering	fruit development	ripening and harvest	
<p>nanogro forte superstart 10 ml/20-30 l water</p> <p>GleboMax 10 l/ha</p> <p>bi fosfor 1 kg/ha</p> <p>bi azot 1 kg/ha</p> <p>bi protect 1 kg/ha</p>	<p>nanogro aqua 350-375 ml/ha</p> <p>Naturaly Pion XM 3 l/ha</p> <p>STOP DROP FLOWER 1 l/ha</p> <p>nanogro aqua 350-375 ml/ha</p>	<p>AgrarSi 1 kg/ha</p> <p>EKG 10 l/ha</p> <p>Naturaly Pion XM 3 l/ha</p> <p>STOP DROP FLOWER 1 l/ha</p> <p>nanogro aqua 350-375 ml/ha</p>	<p>nanogro aqua 20 ml/500 m²</p> <p>POWERCOP 250 ml/500 m²</p> <p>bi protect 50 g/60-100 m²</p> <p>bi protect 50 g/60-100 m²</p> <p>bi azot 25 g/250 m²</p> <p>bi hydro control 200 g/500 m²</p>	<p>AlgoRytm PK 2 l/ha</p> <p>EKG 10 l/ha</p> <p>Naturaly Pion XM 3 l/ha</p> <p>STOP DROP FLOWER 1 l/ha</p> <p>nanogro aqua 350-375 ml/ha</p>	<p>AlgoRytm PK 2 l/ha</p> <p>Calory 2 l/ha</p> <p>SOLER Fruit 1 l/ha</p> <p>Naturaly Pion XM 3 l/ha</p> <p>nanogro aqua 350-375 ml/ha</p>	<p>AlgoRytm PK 2 l/ha</p> <p>Calory 2 l/ha</p> <p>SOLER Fruit 1 l/ha</p> <p>Naturaly Pion XM 3 l/ha</p> <p>nanogro aqua 350-375 ml/ha</p>	<p>full terminator 5 l/ha</p> <p>EKG 10 l/ha</p> <p>bi stoma 1 kg/ha</p> <p>bi calc+ 0,5-1 l/ha</p> <p>bi system24 1 kg/ha</p>
BBCH							

Key:

- soaking of shoots and rootstocks
- or Lignohumat Super 1 kg/ha

- ⊙ foliar application
- ⊙ soil application

- ⊙ seed treatment



SCAN QR CODE

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