

#Uprawo
Mocni

AGRARIUS

Innovative crop preparations
agricultural | orchard | vegetable

www.agrarius.eu



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www.agrarius.eu



Stimulators and boosters



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Strong Team

preparations for all crops



SOLER



full kondycja



nanogro aqua



STOP DROP



full terminator



Naturalny Plon



bi calc+

In harmony with nature

This slogan fully characterizes our activity and the products offered by us.

We aim to create and distribute products that are safe for plants, people, animals and environmentally friendly.

Agrarius is a Polish company that has been marketing products for agricultural, vegetable, and fruit crops since 2006.

The Agrarius brand is composed of several closely related production, testing and distribution companies. We have our branches in Ukraine and Slovakia and we cooperate with many leading distribution companies in Poland.

We are constantly developing by creating and launching innovative products on the market, developing an effective distribution network, and reaching for modern ways of promotion and advertising (Internet, social media, advertising spots on TV, articles on popular websites related to agriculture and gardening).

I guarantee high quality and 100% effectiveness of Agrarius products

we are looking forward to doing business with you

President of the Management Board
Zenon Borys




marketing products
since

2006 r.



100%
effective





PROFIT

Guaranteed increase in quantity and quality of the crop



Continuous Development

We are guided by explicit aims

INNOVATION

Agrarius products feature unique, innovative, and modern formulas made up of safe and concentrated ingredients.

TRANSPARENCY

Our products are under strict production control and do not contain any additional ballast ingredients. The composition of the products complies with the applicable standards and regulations (permits, certificates, and registrations).

EFFICIENCY

All the products we offer guarantee 100% effectiveness, confirmed by research and farmers' opinions.

PROFIT

Agrarius preparations have a significant effect on increasing the quantity and quality of yields, which has a direct effect on increasing the profitability of crops.





Stimulators and boosters

Latest generation products designed to support plant growth, development, and yield. They have a natural effect on inducing plant resistance to stress conditions (drought, too low or too high temperature, diseases, pests, excessive sunlight, etc.).

The preparations have a comprehensive effect on plants - their development and regeneration after the occurrence of stress factors, ensuring high yields.

- nanogro forte superstart
- nanogro aqua
- Lignohumat Super
- Naturalny Plon

It all starts with the seed...

an effective seed
enhancement
vaccine



nanogro forte superstart

An innovative vaccine guaranteeing resistance for the treatment of seeds, tubers, bulbs, and roots.

Composition

Concentrated preparation containing nanomolar concentrations of metal sulphates and the latest generation of humic acids derived from the processing of lignin.



Long-term cooperation with leading companies in the seed treatment sector

Main benefits of use



Uniform emergence even under difficult conditions



Strong root system development



Easy to mix with chemical fertilizers and enhance their effect



Excellent branching



Increase in yield and its quality



Protection of plants against drought and frost



Induces plant resistance to diseases and environmental factors



Available packaging: 250 ml | 5 L

Effect

nanogro forte superstart superstart is a unique vaccine designed to strengthen (by treating) seed. The earlier the plant gains strength and desirable characteristics at the initial stage of development (seedling), the better it will grow. It is a completely safe product that, when applied to seed (grain), provides the plant with better growth conditions already at the start, i.e. at the germination stage. The modern and unique formula of the preparation applied to the seeds (grain), causes the release of the natural forces of the plant, which maximally uses the genetically stored potential. Seeds treated with nanogro forte superstart germinate faster and more effectively, even in unfavourable soil and weather conditions such as: drought, too low, or too high temperatures. While penetrating the plant, the product triggers its natural defence system by producing more reserve substances, including sugars, proteins, and natural phytohormones. The application of nanogro forte superstart ensures that plants do not suffer from autumn drought during emergence or spring drought during vegetation. Treatment of bulbs, tubers, and roots of seedlings with the preparation causes their quick rooting and acceptance.

The innovative formulation of the product increases its adhesion, thus facilitating the penetration of active substances into the plant, especially when nanogro forte superstart is used with potting fertilisers or plant protection products. The activators of biological functions contained in the preparation additionally have a stimulating effect, like natural auxins, helping plants to grow rapidly, especially during the most important phases of their development, and helping to accumulate nutrients and transform them into a high-quality crop. The product can be used as an additive to standard chemical treatments.

CULTIVATION

Cereals, maize, rapeseed, soya
Potatoes

DOSAGE

250 ml/1 t grain(s)
1 l/t seed potatoes



nanogro aqua vaccine will enhance crop resistance

essential for your
plants just like water
and sunshine

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nanogro aqua

An innovative vaccine guaranteeing resistance for spraying plants in agricultural, vegetable, fruit, ornamental and industrial crops.



Available packaging: **250 ml | 5 L**

Composition

Metal sulphates in nanomol concentrations, humic acids of the latest generation derived from the processing of lignin.

Main benefits of use



Excellent tillering and abundant flowering



Strong root system development



Easily mixed with fertilizers and AGMs and enhances their effect



Increase in crop size and quality



Protection of plants against drought and frost



Induces plant resistance to diseases and environmental factors

Effect

nanogro aqua is immediately transported into the cells when sprayed on the crop thanks to an innovative production process. The unique formulation triggers the plant's natural defence system. This results in the accumulation of nutrients, the production of natural hormones, strengthening and development of the root system and the formation of natural protective barriers of the plant (waxes, hairs, cuticle). Thanks to the activators of biological functions contained in the preparation, the plant is strengthened, which has a stimulating effect, helping the plant to grow quickly, especially in the most important phases of its development. This results in the accumulation of nutrients and their transformation into a high quality crop.

The innovative formulation nanogro aqua increases the adhesion of the preparation, thus facilitating the penetration of active substances into the plant, especially when the preparation is used with foliar fertilisers or plant protection products.

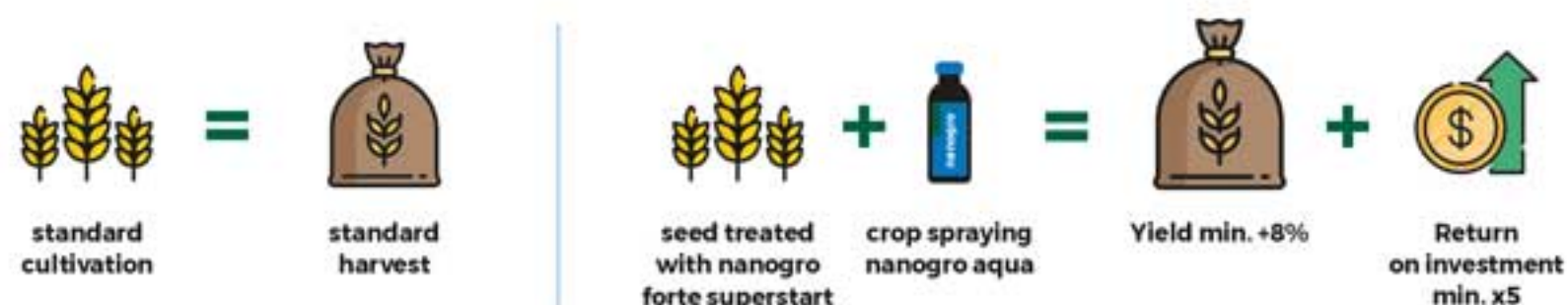
CULTIVATION	DOSAGE	APPLICATION
Agricultural plants	250 ml/150-350 l water/ha	1-2 treatments per season
Orchard plants	350 ml/600-1000 l water/ha	2-4 treatments per season
Vegetable plants	350 ml/300-500 l water/ha	1-2 treatments per season
Herbaceous plants	350 ml/300-500 l water/ha	2-4 treatments per season
Potato	250-500 ml/300-500 l water/ha	1-2 treatments per season



Economic benefits

Gain at least 8% yield increase

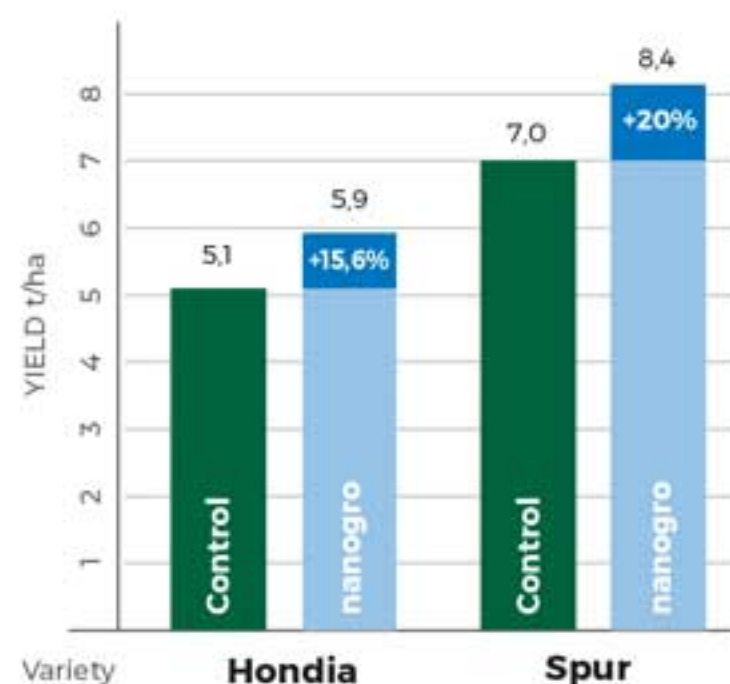
The use of nanogro aqua increases the resistance of plants, intensifies their growth while ensuring a higher yield and good quality. It is the most effective stimulator on the agricultural market. It reduces sowing, fertilising and protection costs. All this ensures a multiple return on investment.



Example test results

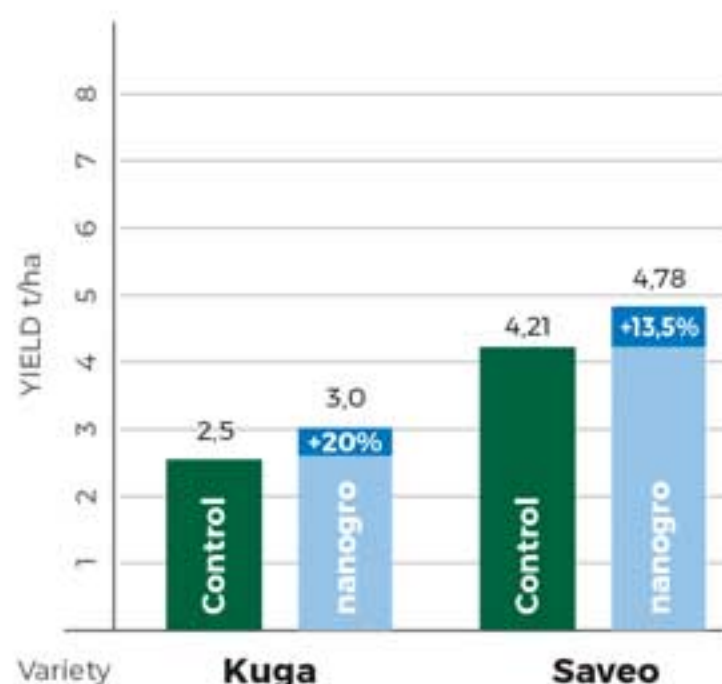
Example yields of **SPELT**

Evergreen Sp. z o.o. (Greater Poland).
Opole (Warmia i Mazury)

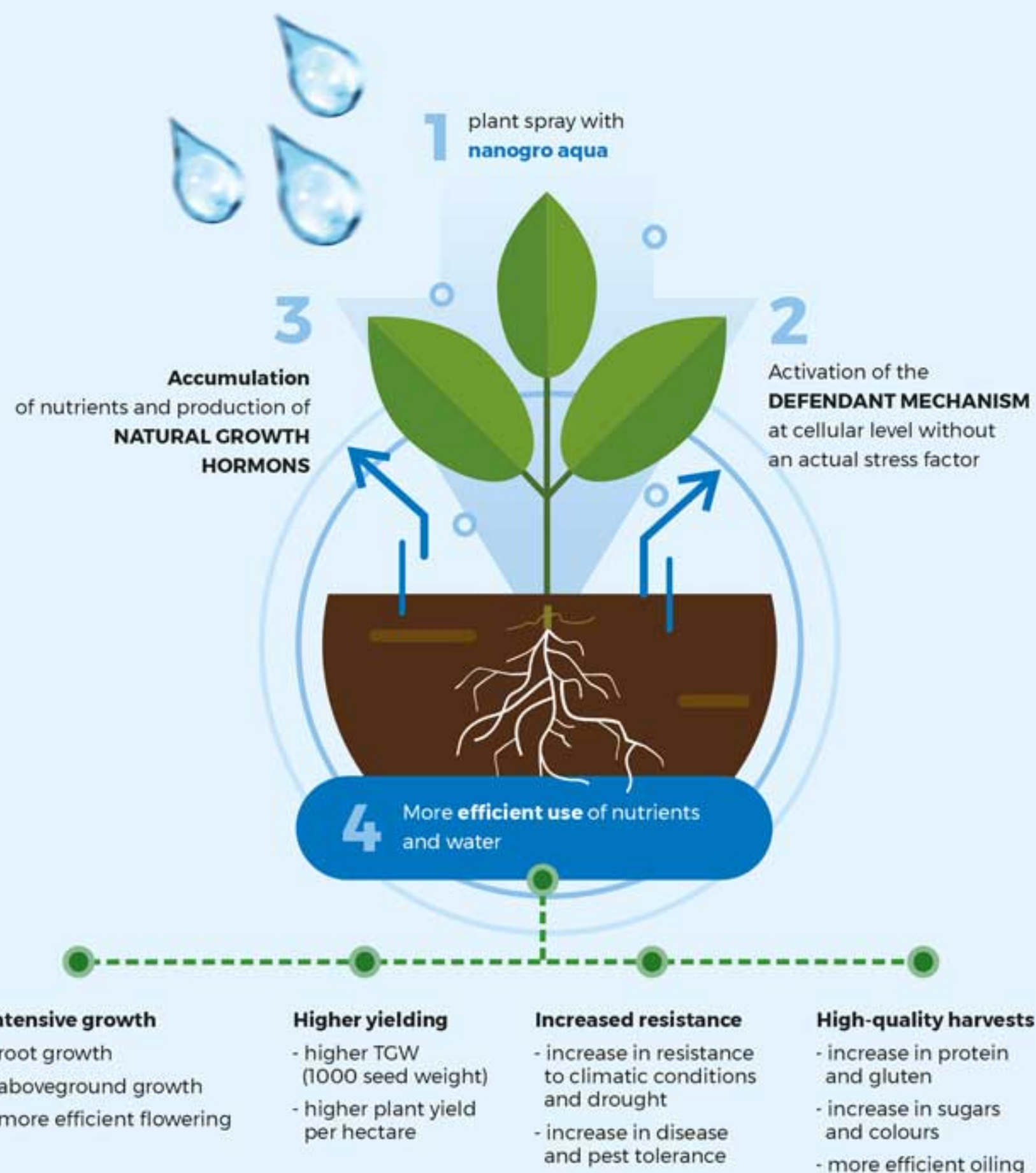


Example yields of **RAPESEED**

Evergreen Sp. z o.o. (Greater Poland).
Rolpol (West Pomerania)



Application method nanogro aqua



Effects

Visible difference



More evidence of the effectiveness of the formulations can be found at www.nanogro.eu



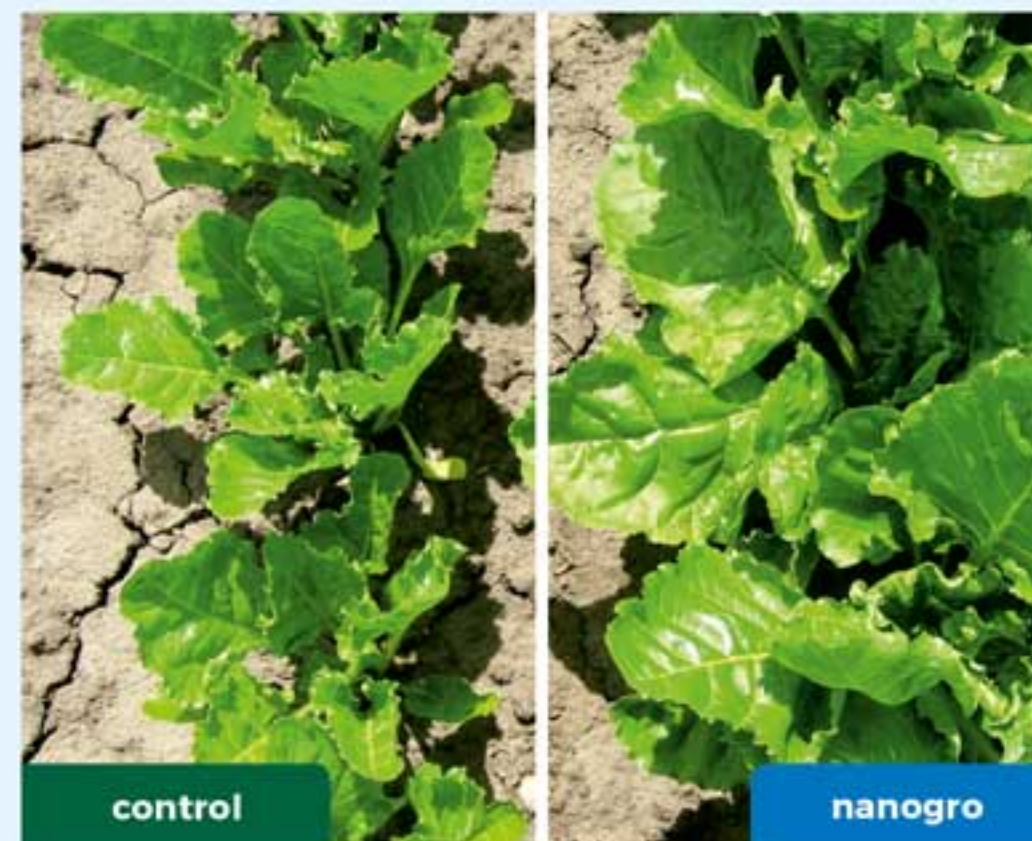
Wheat



Potato



Barley



Sugar beet



Cabbage

A solid dose of strength

Improves soil structure and quality



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Lignohumat Super

Lignohumat Super is a new generation, highly concentrated humus preparation of plant origin with potassium, sulphur and biological activators to improve soil structure and quality and support plant growth and yield.

It is a homogenous mixture of highly active humic acids (humic and fulvic).



Composition

Humic acids 90% of which: humic acids 75 -80% and fulvic acids 15-20%, potassium, sulphur, microelements in trace amounts.

Available packaging: **0,5 kg | 1 kg | 5 kg | 20 kg**

Main benefits of use



Improves soil properties: structure and moisture



Prevents the leaching of macro- and microelements from the soil



Activates enzymes and promotes rooting



Helps make nutrients available to plants



Works as a hydrogel to store water and make it available to plants



Supports the development of useful microflora in the soil



Effect

Lignohumat Super contains humic acids derived from the processing of lignin, which distinguishes it from other products on the market. Once applied to the soil, they are active immediately and do not require a period of preparation and decomposition. Therefore, they quickly enter the soil solution giving the plants access to humic and fulvic acids, while other products need time and the right conditions and microflora to release them into action. The product has a positive effect on the soil structure and supports biological life in the soil.

An important and unique feature of Lignohumat Super is its excellent solubility and stable composition quality. Moreover, when applied to soil with post-harvest residues, it improves soil condition, preparing it for sowing winter crops as well as spring and perennial crops. The product is particularly recommended in preventing the effects of drought, because the humic acids contained in it behave like specific hydrogels, accumulating water in their structures.

CULTIVATION

Cereals, maize, legumes, oilseed, industrial crops, energy crops, catch crops

DOSAGE

1 kg/200-300 l water/ha

APPLICATION

Soil spraying 2-3 weeks before sowing or planting

Effects



Broad beans

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STRENGTH OF THE GREEN ARMY



Naturalny Plon

Naturalny Plon is a crop booster unique on the market in terms of its composition - a combination of amino acids and an extract from the seaweed *Ascophyllum nodosum* with humic substances of the latest generation.

Composition

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



Available packaging:

Naturalny Plon powder: **0,2 kg | 1 kg | 5 kg | 10 kg**

Naturalny Plon XM liquid: **1 L | 5 L | 20 L**



Effect

Naturalny Plon has a positive and comprehensive effect on plants. It supports regeneration, plant cell formation, root hair zone and induces the formation of side branches. Promotes flowering and yield of plants.

As a result of the effect of Naturalny Plon on plants, the use of water and fertilisers from the soil increases, which contributes to improved yield and quality of the crop. When applied in the form of a spray, the product immediately regenerates damage in the plant caused by herbicides, hail, drought, frost and increases the resistance of plants to stress. The components of the extract are natural, originating from plants, therefore they are quickly and easily absorbed. The unique composition ensures an efficient and effective action, and the individual components act synergistically, supporting each other in action. Each of the components of Naturalny Plon has an important and irreplaceable role to play in the life processes of plants, affecting their growth and development and creating a high and excellent quality yield.


Naturalny Plon powder:


CULTIVATION	DOSAGE
Agricultural plants	100-150 g/150-350 l water/ha
Orchard plants	150-350 g/600-1000 l water/ha
Vegetable plants	200-300 g/250-500 l water/ha
Ornamental plants and herbs	250-350 g/250-500 l water/ha


Naturalny Plon XM liquid:


CULTIVATION	DOSAGE
Agricultural plants	1 l/150-350 l water/ha
Orchard plants	2-3 l/600-1000 l water/ha
Vegetable plants	1-2 l/250-500 l water/ha
Ornamental plants and herbs	2-3 l/250-500 l water/ha


Main benefits of use


 Instantly regenerates plants after chemical and physical damage

 Increases the resistance of plants to stress

 Increases water and nutrient use by the plant

 Improves the efficiency of photosynthesis

 Supports the formation of fine root hairs

 Influences the development of biomass and the quantity and quality of yields





Bacterial preparations

High quality bacterial preparations from the „bi“ line with strictly targeted action containing so-called functional bacteria based on carefully selected strains of microorganisms. Their role is to support crops by making nutrients available to plants, co-creating the soil structure and maintaining biological balance, thus improving the phytosanitary condition of crops and reducing the incidence of harmful residues from AGMs and fertilizers.

Designed for use in all types of crops.

■ bi azot ■ bi fosfor ■ bi protect ■ bi complex max
■ bi soya ■ bi bean ■ bi lupin ■ bi symbio

New Products 2021

■ bi safe ■ bi stoma ■ bi versum ■ bi water ■ bi compost ■ bi clean

**WE WORK
HARD FOR YOUR
HARVEST**

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Mocni**



bi azot

bi azot is the only high-quality soil bacterial preparation on the Polish market with targeted effect, based on single, carefully selected nitrogenous bacteria *Bacillus azotofixans*.



Composition

Bacillus azotofixans in amount of 1×10^9 CFU per gram of product.

Certificate of qualification of the product for use in organic farming issued by **IUNG-PIB in Puławach**.

PZH certificate issued by
NATIONAL INSTITUTE OF PUBLIC HEALTH

Available packaging: **1 kg | 5 kg**

Main benefits of bacteria use



Bind and mineralise nitrogen from the air



Contribute to the clay structure of the soil



Form soil colloids



Improve crop yield and quality



Reduce the incidence of pathogens by competing for space and food



Participate in the decomposition of organic matter

Effect

bi azot is a bacterial preparation that supports plant cultivation. Through microbiological processes, nitrogen from the atmosphere is incorporated into the organic compounds of the cells. It is known that nitrogen-fixing bacteria can bind up to 50 kg of nitrogen per hectare of cultivated area. This nitrogen in a form assimilable by other organisms (ammonium compounds, proteins) can continue to circulate in the biosphere. In soils with low humus content, where intensive agricultural production is carried out, the decrease in microorganisms can be as high as several tens of percent. This is caused by artificial fertilisers, herbicides, fungicides and insecticides as well as unfavourable environmental conditions. An excellent example of a nitrogenous bacterium naturally occurring in the soil is *Bacillus azotofixans*, however, in most cultivated soils its quantity is too low, so it is reasonable to increase its population by using a nitrogen biopreparation.

Applying bi azot in spring or autumn to the soil allows the population of this very useful bacteria to recover. It helps decompose organic matter in the soil and systematically supplies assimilable forms of nitrogen to plants, which prevents the accumulation of nitrates and nitrites in them. It is the only preparation on the market in a loose form containing such a huge amount of bacteria in pure form in 1 gram.

CULTIVATION	DOSAGE	APPLICATION
Agricultural plants	0,5-1 kg/200-350 l water/ha	1-2 times per season*
Vegetable plants	0,5-1 kg/200-350 l water/ha	2-3 times per season
Sheltered vegetables	25 g/60-100 m ²	2-3 times per season
Fruit trees and bushes	0,5-1 kg/400-600 l water/ha	2-3 times per season
Berries: strawberries, currants, raspberries	0,5-1 kg/200-400 l water/ha	2-3 times per season
Decomposition of harvest residues	0,5-1 kg/200-300 l water/ha	autumn

*in spring before sowing or in the plantation and in autumn on crop residues

Additional information

The preparation should be applied on moist soil, preferably with the addition of Lignohumat Super, which promotes the multiplication of bacteria. Bacterial preparations should not be applied during sunny weather, high temperatures or drought and should not be mixed with fungicides.



bi fosfor

bi fosfor is the only high-quality soil bacterial preparation on the Polish market with targeted action based on single, carefully selected phosphorus bacteria *Bacillus megaterium*.



Composition

Bacillus megaterium in amount of 1×10^9 CFU per gram of product.

Certificate of qualification of the product for use in organic farming issued by IUNG-PIB in Puławach.

PZH certificate issued by
NATIONAL INSTITUTE OF PUBLIC HEALTH

Available packaging: **1 kg | 5 kg**

Main benefits of bacteria use



Make phosphorus available to plants from complex and volatile forms even at lower temperatures



Contribute to the tuberous structure of the soil



Form soil colloids and slime



Support humus formation through decomposition of organic matter



Improve yield quantity and quality



Reduce the incidence of pathogens by competing for space and food

Effect

bi fosfor is a bacterial preparation supporting plant cultivation. Phosphorus, like nitrogen, is involved in all life processes in the plant, it is necessary for the proper course of photosynthesis, respiration, metabolism, and especially for the formation of proteins and reserve substances (fats, phytin). Its deficiency causes serious disturbances in the basic life functions of plants. Unfortunately, in our country the proportion of soils with low or very low available phosphorus content is as much as 40%. Therefore, the activity of phosphorus solubilising bacteria, i.e. phosphorus bacteria, which in addition to assimilable phosphorus also introduce into the soil such substances as siderophores, auxins, cytokinins and vitamins, is invaluable. Therefore, in recent years, phosphorus microorganism strains have been regarded as a so-called biofertiliser.

The group of phosphorus bacteria includes the „superbacteria” *Bacillus megaterium*, which, when applied to soil, improves its abundance in plant-available forms of phosphorus. It breaks down volatilised and bound forms of this element (also phosphine residues from pesticides and fertilisers) into phosphorus easily available for plants. bi fosfor preparation contains strains of *Bacillus megaterium* in a very large amount and applied at a dose of 1 kg/ha can obtain up to 20-40 kg of phosphorus in pure form per 1 hectare.

CULTIVATION	DOSAGE	APPLICATION
Agricultural plants	0,5-1 kg/200-350 l water/ha	1-2 times per season
Vegetable plants	0,5-1 kg/200-350 l water/ha	1-2 times per season
Sheltered vegetables	25 g/60-100 m ²	1-2 times per season
Fruit trees and bushes	0,5-1 kg/400-600 l water/ha	1-2 times per season
Berries: strawberries, currants, raspberries	0,5-1 kg/200-400 l water/ha	1-2 times per season

Additional information

The preparation should be applied on moist soil, preferably with the addition of Lignohumat Super, which promotes the multiplication of bacteria. Bacterial preparations should not be applied during sunny weather, high temperatures or drought and should not be mixed with fungicides.



bi protect

bi protect is the only high-quality soil bacterial preparation on the Polish market with a precisely targeted action, based on single, carefully selected soil bacteria *Bacillus subtilis*.



Composition

Bacillus subtilis in the amount of 5×10^9 CFU per gram of product.

Certificate of qualification of the product for use in organic farming issued by **IUNG-PIB in Puławach**.

PZH certificate issued by
NATIONAL INSTITUTE OF PUBLIC HEALTH

Available packaging: **1 kg | 5 kg | 20 kg**

Main benefits of bacteria use



Form soil colloids and enveloping mucus



Contribute to the clay structure of the soil



Reduce the incidence of pathogens by competing for space and food



Improve plant health and yield quality and quantity



Support the growth of beneficial soil bacteria



Helps decompose organic matter



Effect

bi protect is a bacterial preparation improving soil fertility and supporting plant cultivation. In soils with low humus content, where intensive agricultural production is carried out, the decrease in the content of microorganisms, including *Bacillus subtilis* bacteria, may reach even several dozen percent. This bacterium is a saprophyte, decomposing organic compounds of plant origin. Additionally, it forms siderophores, which have the ability to bind iron ions and make them available to plants. The protein of these bacteria also contains surface-active components that reduce surface tension in the soil. As a result, the wetting of the surface on which the bacteria are located increases, which leads to an improvement in moisture within the root system. In addition, the root is covered with an additional protective film, which is particularly important in dry periods.

bi protect naturally reduces the number of pathogenic fungi and bacteria in the soil, contributing to an improved phytosanitary status of crops. This bacterium multiplies quickly, so through competition for food and space in relation to other pathogens, it naturally eliminates them from the soil environment, not disturbing but actually supporting the development of beneficial soil microorganisms. In addition, by decomposing organic matter, it reduces the occurrence of soil pests: nematodes, threadworms, scabies and European corn borer by creating unfavourable conditions for them to overwinter.

CULTIVATION	DOSAGE	APPLICATION
Agricultural plants	0,5-1 kg/200-350 l water/ha	1-2 times per season*
Vegetable plants	0,5-1 kg/200-350 l water/ha	2-4 times per season
Sheltered vegetables	50 g/60-100 m ²	2-10 times per season
Fruit trees and bushes	0,5-1 kg/400-600 l water/ha	3-4 times per season
Berries: strawberries, currants, raspberries	0,5-1 kg/200-400 l water/ha	3-4 times per season
Decomposition of harvest residues	0,5-1 kg/200-300 l water/ha	autumn

*in spring before sowing or in the plantation and in autumn on crop residues

Additional information

The preparation should be applied on moist soil, preferably with the addition of Lignohumat Super, which promotes the multiplication of bacteria. Bacterial preparations should not be applied during sunny weather, high temperatures or drought and should not be mixed with fungicides.

bi complex max

bi complex max is a unique, high quality bacterial preparation with comprehensive action, based on carefully selected soil bacteria of the *Bacillus*.



Composition

Bacillus subtilis, *Bacillus megaterium*, *Bacillus azotofixans* of 1×10^9 JTK per gram of product.

PZH certificate issued by
NATIONAL INSTITUTE OF PUBLIC HEALTH

Available packaging: **1 kg | 5 kg**

Main benefits of bacteria use



Contribute to the clay structure of the soil by forming soil colloids



Strengthen plants - reducing their susceptibility to disease and stress



Increase the amount of available nitrogen and phosphorus in the soil, thus reducing the use of artificial fertilisers



Make nutrients available to plants and participate in the breakdown of organic matter



Naturally reduce the incidence of pathogens in the soil



Have a positive effect on plant health and improve yield and quality

Effect

bi complex max contributes to the improvement of the phytosanitary condition of crops and makes nutrients for plants available, such as nitrogen, phosphorus, iron and other microelements. In intensively cultivated Polish soils, especially those with insufficient humus content, the decrease in the number of beneficial microorganisms, including bacteria of the genus *Bacillus*, may reach several dozen percent. This is why it is so important to supplement these deficiencies with specially developed products containing appropriately selected bacteria from fertile soil.

Bacilli promote the growth and development of crops by producing specific substances, such as phytohormones, vitamins, organic acids and other substances that favour plant yield. They also contribute to soil structure by producing specific mucilages, which form soil aggregates from minerals and humus compounds. Soil bacteria also contribute to soil richness and fertility, and by colonising the root zone, they prevent excessive drying out of the roots in times of drought.

The microorganisms contained in bi complex max also naturally reduce the number of pathogenic fungi and bacteria in the soil by competing for food and space with other pathogens. They naturally eliminate them from the soil environment, not disturbing, but even supporting the development of beneficial soil microorganisms. Also, decomposing organic matter, reduces the occurrence of soil pests: nematodes, threadworms and scale insects by creating unfavourable conditions for them to overwinter. It is the only formulation on the market that contains such a huge amount of bacteria in pure form in 1 gram.

CULTIVATION	DOSAGE	APPLICATION
Agricultural plants, fruit and vegetable gardening	0,5-2 kg/300-1000 l water/ha	Ground spraying before sowing and planting
	0,5-1 kg/300-1000 l water/ha	Ground and plant spray during the growing season
	10-20 g/10 l water	Under-root dosing



Additional information

The preparation should be applied on moist soil, preferably with the addition of Lignohumat Super, which promotes the multiplication of bacteria. Bacterial preparations should not be applied during sunny weather, high temperatures or drought and should not be mixed with fungicides.

bi safe

New!

A microbiological preparation improving the microbiological status of soil, increasing the number of available forms of macro- and microelements, contributing to the development of useful microflora and improving the soil structure, as well as supporting plant growth and yield.

Contains concentrated forms of rhizosphere microorganisms: responsible for nitrogen, phosphorus and potassium transformations in soil, improving soil structure, health and its abundance in nutrients as a result of the decomposition of organic matter.

Dosage
1-2 kg/ha

Available packaging:
1 kg | 5 kg | 20 kg



bi słoma

New!

A microbiological preparation based on selected cultures of soil bacteria and fungi (naturally occurring in the soil), designed to accelerate the decomposition of crop residues and straw. Effect bi straw is a better decomposition of hardly decomposable plant substances, such as e.g., cellulose and lignin. The microorganisms contained in the preparation also take part in improving soil structure and create a favourable environment for the development of beneficial microflora and naturally reduce the occurrence of soil pests. In addition, by making nutrients available to plants, they help to properly nourish them and improve yield and yield quality.

Dosage
1-2 kg/ha

Available packaging:
1 kg | 5 kg | 20 kg



bi versum

New!

A microbiological preparation improving the soil microbiological status and its structure. It contains concentrated forms of fungi of the *Trichoderma spp.* genus naturally occurring in arable soils.

The product is intended for soil application in order to accelerate the decomposition of organic residues, populate the soil with beneficial microorganisms that improve the microbiological status of soil and its structure. It helps to properly nourish plants, improve growth, yield and yield quality, as well as affect soil health in a natural way by reducing the occurrence of pathogenic organisms competing with them for nutrients and space to grow.

Dosage
2-5 kg/ha

Available packaging:
1 kg | 5 kg | 20 kg



bi water

New!

Microbiological preparation based on specially selected, non-pathogenic bacterial strains of *Bacillus spp.* The product is used for the biological treatment of water reservoirs (ponds, tanks, aquariums and technical basins). The dry form contributes to the long-term maintenance of microorganisms by limiting algal and cyanobacterial growth.

Dosage
1 g/1 m²/ha of water surface

Available packaging:
100 g | 1 kg | 5 kg | 20 kg



bi compost

New!

Microbiological preparation based on specially selected microorganisms of *Bacillus sp.* isolated from the soil intended for acceleration of composting of organic matter in compost heaps and on windrows. The activity of microorganisms contained in the preparation consists in transforming organic waste into nutrients suitable for use in plant cultivation and enriching the soil with macro- and microelements, resulting in the humification process, which produces humic acids, amino acids, polysaccharides, carbohydrates and vitamins that support plant cultivation.

Dosage
20 g/1 m³ of compost
Available packaging:
100 g | 1 kg | 5 kg | 20 kg



bi clean

New!

Microbiological preparation based on specially selected microorganisms (non-pathogenic for animals) resistant to uric acid and chemical compounds formed in animal faeces, to be used as an addition to manure, to reduce the strong smell of faeces, reduce the formation of ammonia and hydrogen sulphide in cowsheds, piggeries, poultry houses and stables.

Dosage
20 g/1 m³ of manure

Available packaging:
1 kg | 5 kg | 20 kg



Bacterial vaccines

for faba bean plants

Effect

The papillary bacteria contained in bio preparations, when inoculated on the seeds of papilionaceous plants (legumes), participate in the formation of papillae on the roots of plants. They ensure rapid plant growth by processing atmospheric nitrogen and making it available (up to 200 kg of pure nitrogen per ha).

The symbiotic bacteria contained in each preparation coexist with the root system of only selected plant species, providing them with assimilable nitrogen and other essential nutrients such as phytohormones, vitamins and organic acids. Thanks to the use of bacterial inoculations, the plants are characterised by more efficient yielding, better resistance to unfavourable environmental conditions. They are also less susceptible to disease and pest attacks.

Main benefits of bacteria use



Increasing the amount of available nitrogen in the soil for future crops



Improving phytosanitary conditions in the soil



Strengthening plants and increasing crop yields by up to 10-20%



Reducing the susceptibility of plants to diseases and stress conditions during the growing season



Influencing the improvement of soil structure and its abundance in humus



Increasing protein content in plants (seeds)

Application

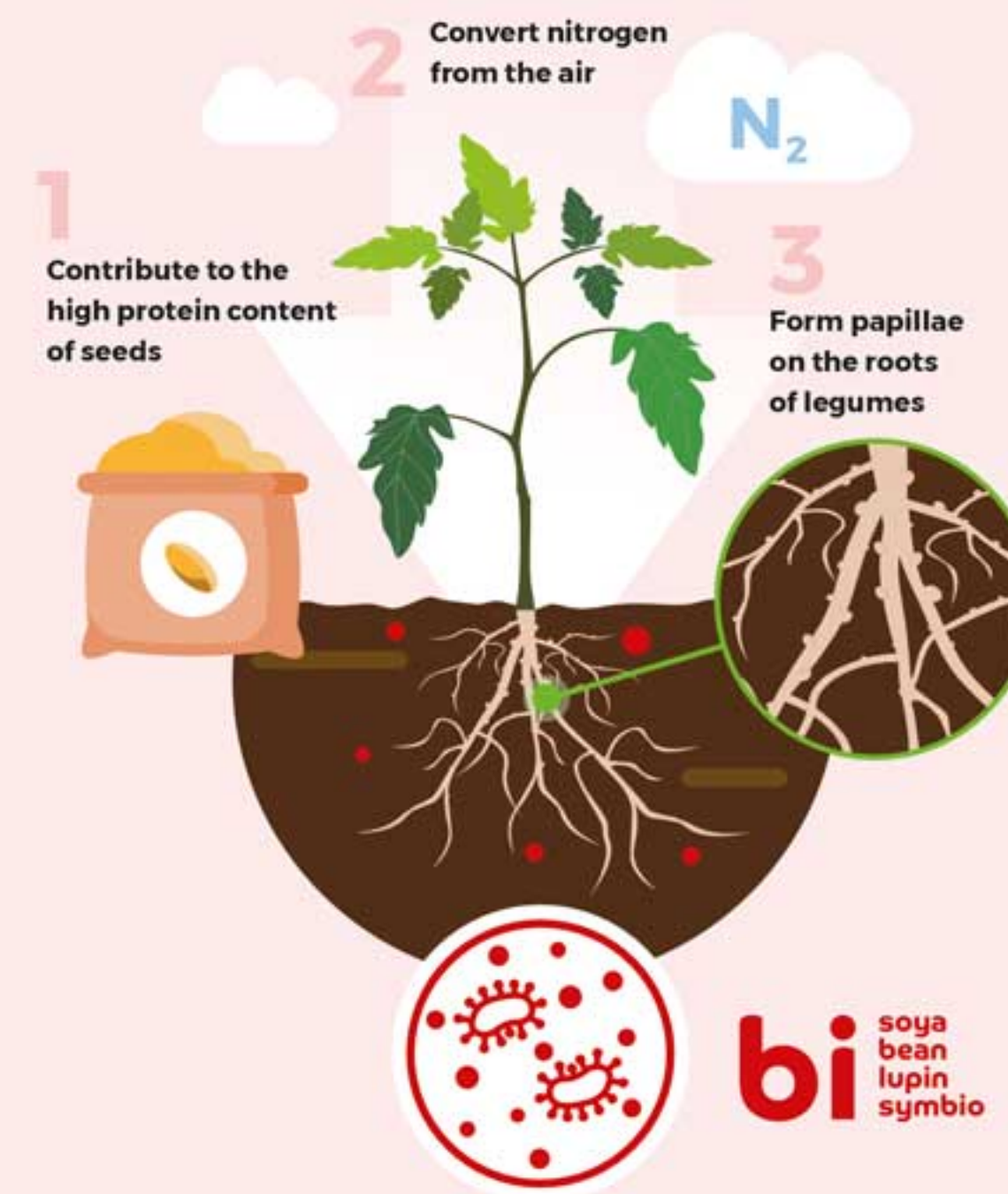
METHOD	DESCRIPTION
Dry	The preparation is combined with moistened seeds and mixed evenly until a uniform coating is obtained on the seeds.
Moist	The bacteria are dissolved with 7-10 litres of water/seed and mixed evenly until uniformly coated, or the finished solution is sprayed onto the seed.

Additional information

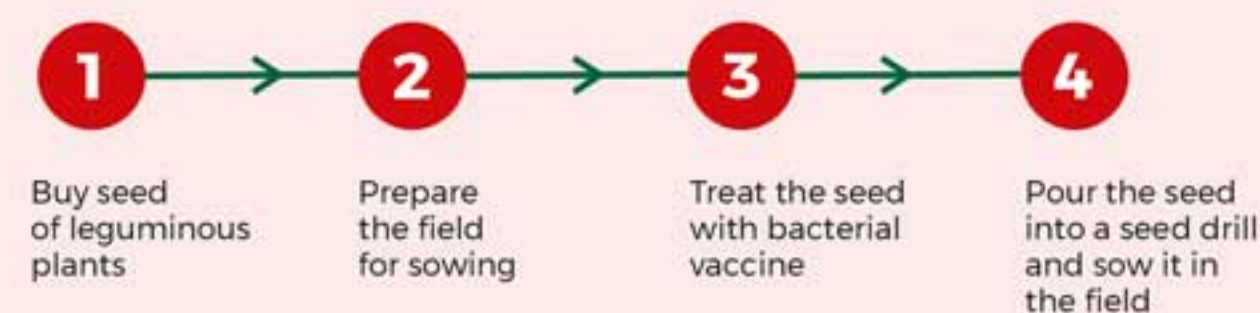
The preparation should be applied on moist soil, preferably with the addition of Lignohumat Super, which promotes the multiplication of bacteria. Bacterial preparations should not be applied during sunny weather, high temperatures or drought and should not be mixed with fungicides.

Mechanism of Action

Bacterial Vaccines



Vaccine application process





A series of bacterial bi preparations based on targeted types of papillary bacteria to support the cultivation of faba bean crops (coarse and small-seeded).

bi soya

Composition

Available packaging: **1 kg**

Specially selected pure cultures of the symbiotic bacteria *Bradyrhizobium japonicum* in quantities of at least 2×10^9 CFU per gram of product embedded in sterilised shredded peat for the treatment of soya beans.

CULTIVATION

soya

DOSAGE

3 kg/t seeds



bi bean

Composition

Available packaging: **1 kg**

Specially selected pure cultures of the symbiotic bacteria *Rhizobium phaseoli* in quantities of at least 3×10^9 CFU per gram of product embedded in sterilised shredded peat for the treatment of bean seed.

CULTIVATION

bean

DOSAGE

3-3,5 kg/t seeds



bi lupin

Composition

Available packaging: **1 kg**

Specially selected pure cultures of the symbiotic bacteria *Rhizobium lupini* in quantities of at least 2×10^9 CFU per gram of product, embedded in sterilised shredded peat, intended for seed treatment of lupins, white, yellow, narrow-leaved and serradella seeds.

CULTIVATION

white and yellow lupins

narrow-leaved lupin, serradella

DOSAGE

3 kg/t seeds

2,5 kg/t seeds



bi symbio

Composition

Available packaging: **1 kg**

Specially selected pure cultures of the symbiotic bacteria *Rhizobium leguminosarum* in quantities of at least 3×10^9 CFU per gram of product, embedded in sterilised shredded peat, for the dressing of seeds of pea, field pea, clover, broad bean and lentil.

CULTIVATION

pea, field pea, vetch, clover,
broad bean

lentil

DOSAGE

2 kg/t seeds

3 kg/t seeds





FERTILISERS

Fertilisers are commonly used in the cultivation of all agricultural, fruit, vegetable and herbaceous crops to increase yield and quality. They are used to provide and replenish nutrients in the soil and the plant.

Agrarius offers innovative and modern specialist fertilizers for all types of crops:

- bi calc+
- SOLER
- N Turgor
- Calory
- full terminator



#Uprawo
Mocni



A good lime
is essential

bi calct+



bi calc+

Modern and comprehensive fertilizer lime, granulated bi calc+ intended for use in all types of crops.



Available packaging: **10 kg | 25 kg | 500 kg**

Composition

Calcium carbonate, *Bacillus sp.* bacteria, activators of biological functions.

Certificate of product qualification for use in organic farming issued by **IUNG-PIB in Puławach**.

Main benefits of use



Rapid and long-lasting, does not wash out quickly



Prevents physiological diseases, promotes plant growth and yield



Optimises and enriches the biological life of the soil, improves the phytosanitary status



Improves the soil pH, activates the volatilized and deposited nutrients in the soil



Prevents the effects of drought



Inhibits rotting processes and improves decomposition of organic residues

Effect

bi calc+ optimally activates mineral nutrients such as phosphorus, potassium, magnesium, sodium, copper, zinc, manganese and iron by regulating the pH level of the soil. It also provides the necessary substances to stimulate the soil microbiological environment (substances facilitating the multiplication of microorganisms). It uses 100% reactive form of carbonate calcium of Jurassic origin with high CaCO_3 (93-98%, content (93-98% which is min. 45% CaO), variety 05 and beneficial microorganisms of *Bacillus sp.* (concentration of 200×10^6 CFU per gram of fertiliser) ensuring the uniqueness and innovation of the product.

Lime bi calc+ is marketed under registration no: 580/19 of the Ministry of Agriculture and Rural Development and is approved by IUNG-PIB in Puławach for use in organic crops no: NE/503/2019.

Dosage

Depending on pH and soil type 0,5-1 t bi calc+/ha.

The fertiliser should be applied in spring or autumn. It is recommended to apply bi calc+ post-harvest and under cultivation, and intervention use throughout the season. Do not apply the fertiliser on frozen, flooded or snow-covered soil. The fertiliser should be spread with mineral fertiliser spreaders (granule size: 2-8 mm).



SOLER

Innovative and highly effective micronutrient foliar fertilizer in the form of gel, in which two modern technologies SILEVEL™ and QM6™ dedicated to particular crops were used.



Available packaging **AGRICULTURAL SOLER: 5 L**
Available packaging **GARDENING SOLER: 1 L | 5 L**

AGRICULTURAL SOLERS:

SOLER K (for corn),
SOLER R (for rapeseed),
SOLER B (for sugar beet),
SOLER C (for cereals),
SOLER P (for potatoes),
SOLER L (for soya and arable crops).

GARDENING SOLERS:

SOLER Red (for tomatoes, cucumbers, peppers, squash, courgettes, aubergines),
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 bushes and strawberries).

Composition

All components are completely soluble in water.

AGRICULTURAL SOLERS:

Contains % w/w

SKŁADNIK	SOLER B	SOLER C	SOLER K	SOLER R	SOLER P	SOLER L
Boron (B)	1,00	0,10	0,50	1,00	0,40	0,40
Copper (Cu)	2,00	2,50	2,00	1,50	1,50	1,50
Manganese (Mn)	4,00	4,00	3,50	4,00	4,50	3,50
Molybdenum (Mo)	0,02	0,02	0,02	0,02	0,02	0,02
Zinc (Zn)	3,00	3,50	4,00	3,50	3,50	4,00
Sulphur (SO ₃)	12,3	13,50	12,90	12,30	13,10	12,3
Total	22,32	23,62	22,92	22,32	23,02	21,72

Effect

SOLER contains silicon based hydrogels which lock fertilizer microelements in specific "pockets" thanks to the applied innovative and unique SILEVEL™ technology. Salts of the elements contained in the fertilizer are much smaller particles than the popular chelates, so they penetrate the plant easier and faster. The absorption of microelements is therefore much more efficient, which improves the availability of ingredients for the plant. When in contact with the plant, dosage is long and efficient, which prolongs the availability of microelements. The hygroscopic nature of the preparation makes it difficult for it to dry out, and it swells easily in the presence of moisture, retaining in both cases high adhesion to the plant, which makes it difficult to wash off, even in the rain. The high sulphur content in the fertiliser has a strengthening, health-promoting, disinfecting and stimulating effect. Sulphur supports plant resistance to fungal diseases. Additionally, the preparation is equipped with the QM6™, stimulating mechanism, which stimulates the plant's defence reflexes by increasing its ability to accumulate water and nutrients, which positively affects the high, good quality yield. SOLER is safe for cultivated plants due to the fact that it is a chlorine-free formulation. High sulphur content positively affects the phytosanitary status of crops. The fertilizer mixes well, easily overflows and as the only comprehensive microelement fertilizer on the market does not contain nitrogen or other ballast elements in its composition.

Main benefits of use



Replenishes micronutrient deficiencies in the plant, is perfectly and quickly absorbed into the plant



High sulphur content ensures proper nutrition for the plant and affects the phytosanitary status of the crop



Stimulates the growth and yield of the plant



Low dosage thanks to a high concentration



Thanks to its hygroscopic properties and a gel consistency, it is almost completely absorbed by the plant



Easy to dose and prepare

GARDENING SOLERS:

Contains % w/w

SKŁADNIK	SOLER Red	SOLER Green	SOLER Fruit	SOLER Brown
Boron (B)	1,00	1,00	1,00	0,40
Copper (Cu)	2,00	1,50	2,00	1,50
Manganese (Mn)	4,00	4,00	4,00	4,50
Molybdenum (Mo)	0,02	0,02	0,02	0,02
Zinc (Zn)	3,00	3,50	3,00	3,50
Sulphur (SO ₃)	12,30	12,30	12,30	13,10
Suma	22,32	22,32	22,32	23,02





Dosage Agricultural SOLERS

SOLER C

CEREALS	DEVELOPMENT PHASE	DOSAGE	APPLICATION RATE
CEREAL GRAINS			
Leaf growth - tillering	(BBCH 13-19)	1,0 l/ha	200-500 l
Start of vegetation	(BBCH 29-32)	1,0 l/ha	200-500 l
Stem shooting	(BBCH 30-49)	1,0 l/ha	200-500 l
SPRING CROPS			
Leaf growth - tillering	(BBCH 13-32)	1,0 l/ha	200-500 l
Stem shooting	(BBCH 30-49)	1,0 l/ha	200-500 l

SOLER B

SUGAR BEET	DEVELOPMENT PHASE	DOSAGE	APPLICATION RATE
Phase 4 - 8 leaves	(BBCH 14-18)	1,0 l/ha	200-500 l
Beginning of row cover	(BBCH 19-31)	1,0 l/ha	200-500 l
Leaves cover 20 - 50% of the soil surface	(BBCH 32-35)	1,0 l/ha	200-500 l

SOLER R

RAPESEED	DEVELOPMENT PHASE	DOSAGE	APPLICATION RATE
Leaf development - autumn	(BBCH 14-18)	1,2 l/ha	200-500 l
Development of lateral shoots after the start of vegetation	(BBCH 21-36)	1,0 l/ha	200-500 l
Until the start of flowering	(BBCH 50-61)	1,0 l/ha	200-500 l

SOLER P

POTATO	DEVELOPMENT PHASE	DOSAGE	APPLICATION RATE
Developed 3rd leaf	(BBCH 13-18)	1,0 l/ha	200-500 l
Above-ground growth	(BBCH 21-35)	1,0 l/ha	200-500 l
Until the beginning of flowering	(BBCH 40-50)	1,0 l/ha	200-500 l

SOLER K

CORN	DEVELOPMENT PHASE	DOSAGE	APPLICATION RATE
Phase 2 - 6 leaves	(BBCH 12-16)	1,0 l/ha	200-500 l
Leaf stage 7 - beginning of stem growth	(BBCH 17-31)	1,0 l/ha	200-500 l
Shoot elongation - beginning of panicle development	(BBCH 32-51)	1,0 l/ha	200-500 l

SOLER L

SOYA / Fabaceae	DEVELOPMENT PHASE	DOSAGE	APPLICATION RATE
The second pair of leaves unfolded	(BBCH 12-15)	1,0 l/ha	200-500 l
Beginning of lateral shoot development	(BBCH 21-29)	1,0 l/ha	200-500 l
Beginning of inflorescences	(BBCH 51-55)	1,0 l/ha	200-500 l

Dosage Gardening SOLERS

TYPE	DOSAGE	APPLICATION
SOLER Red	1,0 l/ha/300-600 l water	2-4 applications per season
SOLER Green	1,0 l/ha/300-600 l water	2-4 applications per season
SOLER Brown	1,0 l/ha/300-600 l water	2-4 applications per season

SOLER Fruit

CULTIVATION	DOSAGE	APPLICATION
Fruit trees	1,0 l/ha/300-1000 l water	2 - 3 applications after flowering up to the ripening stage
Berry plants and strawberries	1,0 l/ha/300-1000 l water	2 - 3 applications after flowering up to the ripening stage

A response to thirst

Protecting the plant from adverse climatic conditions caused by lack of water



#Uprawo Mocni

N Turgor

A breakthrough foliar product specially formulated to protect plants from adverse climatic conditions caused by lack of water. It gives the plants vigour, beneficial for growth and production in adverse environmental conditions.



Available packaging: **5 L | 20 L**

Composition

Nitrogen with stabiliser - 15% w/w,
Sodium - 2,2% w/w, Manganese - 0,1% w/w,
Copper - 0,01% w/w, Zinc - 0,01% w/w,
Boron - 0,01% w/w, Molybdenum - 0,01% w/w,
Cobalt - 0,001% w/w, Humic substances from
lignin processing - 30% w/w.

Main benefits of use



Gives vigour to plants and ensures their proper development



Improves growth and yield under adverse environmental conditions



Contains innovatively stabilized, long-acting nitrogen (up to 100 days)



Improves osmotic potential of cells, thus limiting their dehydration



Ensures their proper turgor



Positively influences the uptake and distribution of mineral components

Effect

N Turgor is an innovative foliar nitrogen fertilizer with prolonged effect and addition of sodium, an element necessary for proper water supply to plants. The fertiliser improves the osmotic potential of cells, thanks to which it limits their dehydration and ensures proper turgor during water shortages.

The fertiliser positively effects the stability of enzymes and proteins and protects and reorganises dehydrated cell membranes. It contains nitrogen stabilised by an innovative method, which stimulates the plant to grow and draw additional nutrients from the soil. Increased uptake and distribution of mineral nutrients allow the plant to grow although limited, even during water shortages, and after the restoration of its reserves, much faster recovery and higher yields. Carefully selected composition of N Turgor, in which each component complements and strengthens the action of the others, makes it a very effective way to support plants during drought and other stresses.

A specially developed, innovative form of nitrogen stabilization prevents its loss and ensures availability for the plant for up to 100 days.

Dosage

2 l/ha/150-600 l water few times per season.

Additional information

According to scientific sources, sodium losses in soils are due to the leaching process. The annual leaching of sodium from cultivated soils in the temperate zone is estimated at 8,5 to 35,0 kg per hectare. Of the crops, sugar and fodder beet and oilseed rape have the highest sodium requirements.



Calory

CONFIDENCE
IN VICTORY



Calory

Specially composed modern foliar calcium fertilizer in a gel form intended for use during the entire vegetative period of plants. It is a safe fertilizer, acting quickly, efficiently and comprehensively. It guarantees the proper level of calcium nutrition for plants, ensuring excellent crop quality.



Composition

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

Available packaging: **5 L**

Main benefits of use



Ensures correct metabolism of nitrogen, potassium, phosphorus, magnesium and iron



Stimulates root development and prevents physiological diseases



High content of highly absorbable calcium ensures the immediate effect



Improves the storability of fruit and vegetables



Improves crop size and quality for excellent fruit



Improves plant resistance to stress factors (including drought)



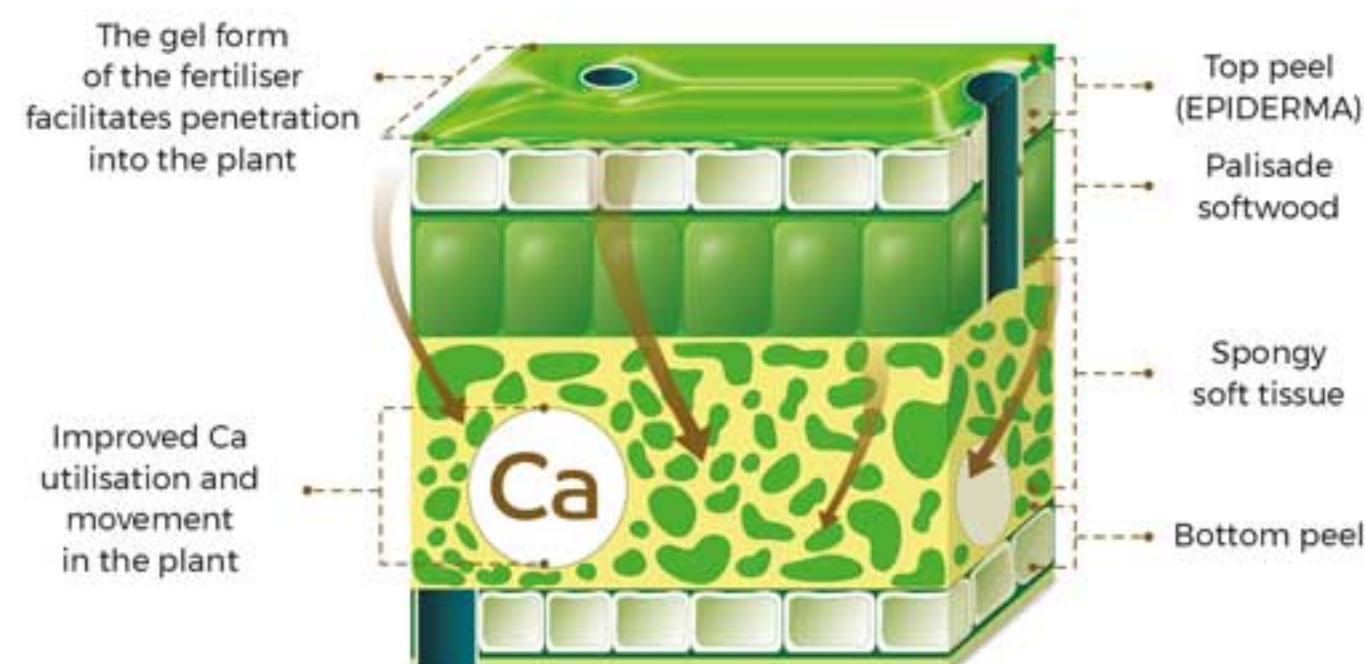
Effect

In addition to supplying the plants with easily assimilable calcium, which is essential for proper development, **Calory** also stimulates the development of the root system. Moreover, it increases the uptake of calcium, phosphorus and potassium, improves plant resistance to stress factors (including drought) and reduces the occurrence and attack of pathogens, thanks to the high content of copper. The high calcium saturation of cytoplasmic membranes provides a physical barrier to pathogens, especially parasitic fungal hyphae. Calory fertilisation is therefore very important in the prevention of plant health. The fertiliser is especially recommended for fruit and vegetable crops because the easily available calcium contained in it has a beneficial effect on fruit growth and quality.

CULTIVATION	DOSAGE	APPLICATION
Agricultural plants	0,5-1 l/ha/200-500 l water	2-3 times per season
Vegetable plants	1-2 l/ha/200-500 l water	4-6 times per season
Orchard plants	1,5-2 l/ha/200-500 l water	4-8 times per season

Additional information

In our climatic conditions, annual losses of calcium in the soil are around 150 kg/ha, additionally, the use of nitrogen fertilisers strongly acidifies the soil increasing these losses up to 250 kg/ha. Crops, on the other hand, take up 30-150 kg/ha of calcium. To ensure the appropriate amount of calcium for plants, it is worth supplementing this component by feeding them with Calory fertiliser.



It's time
for the residue
terminator



full terminator

Specialist, highly effective nitrogen fertiliser with micronutrients and fulvic acids intended for use on post-harvest residues in all types of agricultural, vegetable, fruit and industrial crops.

Composition

Total nitrogen - 15% (w/w),
Amide nitrogen - 7,5% (w/w),
Ammonium nitrogen - 3,75% (w/w),
Nitrate nitrogen - 3,75% (w/w),
Sodium - 2,2% (w/w), Boron - 0,01% (w/w),
Copper - 0,01% (w/w)*, Manganese - 0,1% (w/w)*,
Molybdenum - 0,001% (w/w), Zinc - 0,01% (w/w)*,

* Complexed by LS; all components water-soluble



Available packaging: 5 L | 20 L

Effect

full terminator through the proper selection of elements, quickly and highly effectively helps to decompose organic matter left in the field after cultivation (straw, roots, leaves, etc.). Moreover, it favours the development of beneficial saprophytic microflora participating in the decomposition of post-harvest residues and their transformation into plant nutrients and humus. Thanks to a specially developed formula and production technology, Full Terminator, when applied on organic residues, perfectly covers their entire surface creating excellent conditions for residence and multiplication of beneficial soil bacteria, which facilitates fast mineralisation and improvement of soil fertility. The three forms of nitrogen used in the fertiliser ensure effective and long-lasting effects.

Dosage

It is recommended to apply directly on crop residues with a fine-dropped spray at a rate of 5 l/ha

Additional information

It is recommended to apply the fertiliser along with the bacterial preparation bi protect or bi straw. Full Terminator favourably affects the multiplication of beneficial soil bacteria, which have a great effect on the rapid decomposition of crop residues. They also improve soil structure, increase the availability of nutritious mineral components and useful organic compounds and have a phytosanitary effect by reducing soil-borne pathogens competing with them for space and food.

Main benefits of use



Replenishes humus and improves soil structure



Uniformly covers organic matter and easily adheres to it



Contains B and Na in a form that is long-lasting and resistant to leaching



Stimulates soil microorganisms to multiply rapidly



Contributes to the retention of NH, Mg, Fe, Ca and Zn ions in the soil, preventing their leaching



Provides the nitrogen necessary for the development of micro-organisms





Specialist orchard preparations

Modern, innovative, professional and safe fertilisers for orchard plants, which prolong flowering, prevent pre-harvest fruit drop and contribute to high and excellent quality yields.

■ STOP DROP FLOWER

■ STOP DROP FRUIT



Maximum flowering effect

Prevents flower drop, prolongs flowering
of fruit trees and bushes.

STOP DROP FLOWER

An innovative, effective and safe product for prolonging the flowering of fruit trees and bushes and preventing flower and bud fall.



Available packaging: **1 L**

Composition

Cobalt - 0,02% w/w,
Molybdenum - 0,02% w/w,
Zinc - 2,00% w/w.

Main benefits of use



Reduces early flower drop



Ensures abundant and slow flowering and extends the pollinator flight period



Safe to use



Stimulates flower nutrition



Triggers the production of active substances (e.g. hormones and enzymes) in the plant



No waiting period required

Effect

STOP DROP FLOWER is a unique liquid micronutrient fertilizer that ensures abundant, slow flowering and extends the period of pollinator flight. It triggers the production of bioactive substances in the plant: sugars, auxins, cytokines or gibberellins, and prepares the plant by equipping it with the right instruments and tools to resist stress. Slow flowering means that the flowers are pollinated systematically, the plant's effort is spread over time, and the buds are much stronger. It is not good for the plant when the flowers open simultaneously, sometimes within a few hours, then it cannot feed and maintain them, and above all the pollinating insects cannot fly over and pollinate.

All nutrients in STOP DROP FLOWER are completely water-soluble. No waiting period is required for application!

Innovation

W STOP DROP FLOWER uses the innovative QM6™ technology consisting of a specially designed formulation that induces the plant to increase the uptake of fertilizer components, faster growth and better yield. The preparation also contains specific activators of biological functions, which ensure a fast physiological response of the plant to the action of the preparation.

TYPE	DOSAGE	APPLICATION
Orchard plants	1 l/ha/500-1000 l water	Immediately before flowering (2-3 days) or before the onset of frost.



Quality fruit

Guaranteed effectiveness
of the preparations



STOP DROP FRUIT

An innovative, effective and safe product for preventing pre-harvest fruit drop and improving fruit storage parameters and quality.



Available packaging: **1 L**

Composition

Cobalt - 0,02% w/w,
Molybdenum - 0,02% w/w,
Zinc - 2,00% w/w.

Main benefits of use



Stimulates nutrition and growth



Improves growth, colour and storage qualities of the fruit



Activates the production of bioactive substances in the plant



Reduces premature fruit drop and improves flavour



Prepares the plant to resist stress during the growing season



No waiting period is necessary

Effect

STOP DROP FRUIT is a liquid micronutrient fertilizer that naturally mobilizes plants for increased yield and uniform fruit calibration. It triggers the production in the plant of bioactive substances: sugars, auxins, cytokines or gibberellins, prepares the plant and gives it the right instruments and tools to resist stress. It allows the plant to be better supplied with micro- and macro-elements and nutrients, which results in an adequate and optimal weight gain and better colouring of the fruit, without accelerating its ripening. The preparation also has a positive effect on the durability of fruit, which is better prepared for storage.

All nutrients in STOP DROP FRUIT are fully water-soluble. Application of the preparation does not require any waiting period!

Innovation

STOP DROP FRUIT uses the innovative QM6™ technology consisting of a specially designed formulation that induces the plant to increase the uptake of fertilizer components, faster growth and better yield. The formulation also contains specific activators of biological functions, which ensure a fast physiological response of the plant to the effect of the formulation.

TYPE	DOSAGE	APPLICATION
Orchard plants	1 l/ha/500-1000 l water	3-4 weeks before the planned harvest date*.

*It is intended for the final gain in weight of the fruit and to prevent premature, uncontrolled dropping.





Water conditioner

a Polish, innovative, multidirectional, complete spray conditioner, used in agrochemical treatments to improve wettability, enhance the adhesion of the spray to the leaf, increase the uptake of active ingredients, improve mixing properties and reduce spray drift and foaming.

■ full kondycja

#Uprawo
Mocni

full kondycja

THE POWER
OF CHANGE



full kondycja

full kondycja - a Polish, innovative, multidirectional, complete spray conditioner, used in agrochemical treatments to improve wettability, enhance the adhesion of the spray to the leaf, increase the uptake of active ingredients, improve mixing properties and reduce spray drift and foaming.









Available packaging: 1 L | 5 L

Composition

Substance improving uptake of active ingredients, fulvic acids, pH regulators, complexing substances, anti-foaming substances, substances improving wettability.

Main benefits of use

-  Regulates the pH of the spray liquid and gives it a buffering effect
-  Improves the distribution and adhesion of the spray liquid to the leaves
-  reduces the drying out of the spray liquid on the plant surface

-  Reduces surface tension and water hardness, reduces foaming
-  Facilitates the absorption of active ingredients into the plant and has an anti-stress effect on the plant
-  Allows reduction of active ingredient dosage

Effect

full kondycja is an effective and economical solution to the problem of the negative impact of using poor quality water in agrochemical treatments on the effectiveness of the active ingredients of the spray. The innovative use of fulvic acids to optimise the properties of water is the most important feature of the full conditioner formulation. The characteristic properties of these acids, i.e. ability to chelate metal ions, hygroscopicity, natural water softening properties, ability to improve adhesion, were used. The mechanism of stimulating plants to take up active components from the spray is also important. The formulation optimally selects ingredients for maximum protection and gentleness - safe organic acids, surfactants do not block the action of fungicides. An innovative combination of synergistically acting surfactants favourably influences surface tension, distribution on the leaf and adhesion, while reducing unfavourable foaming.

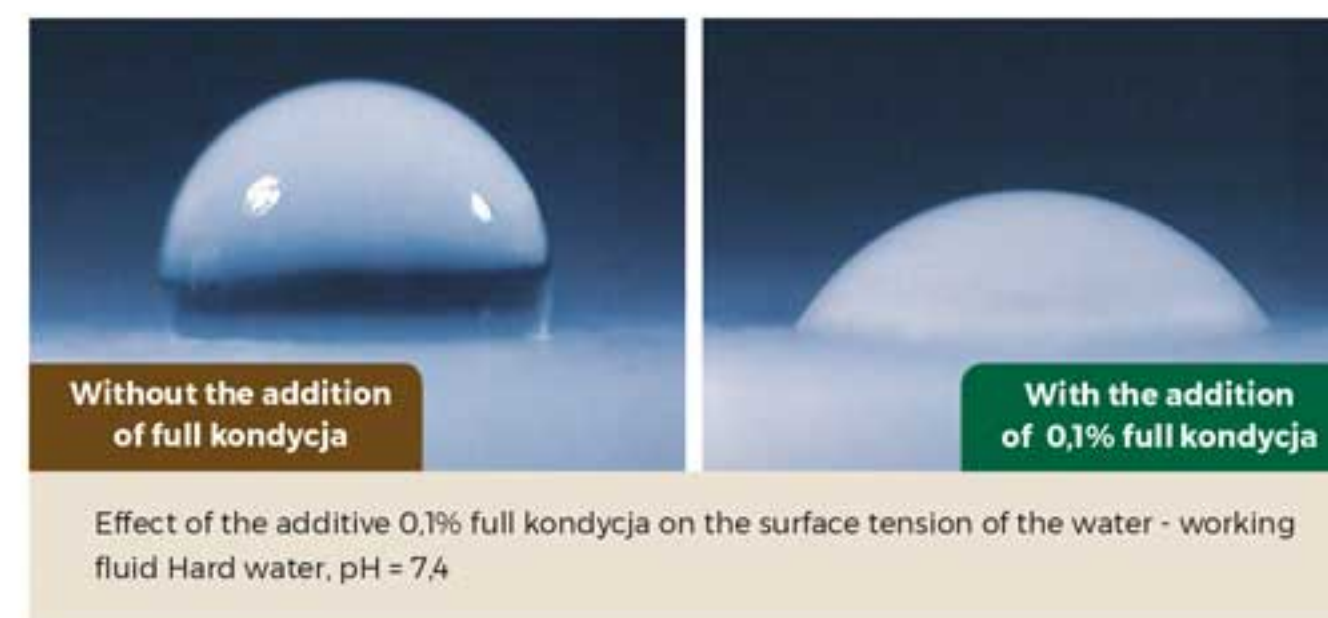
DOSAGE

1 l/1000 l water. Pour into the water tank, stir, check the pH with a pH meter and only then add the other chemicals in the order indicated by the manufacturer. Do not use any other acidifiers or adjuvants.

Additional information

The product is oil- and silicone-free.

Maximum intensification of the uptake of the components of the spray liquid under the influence of fulvic acids.



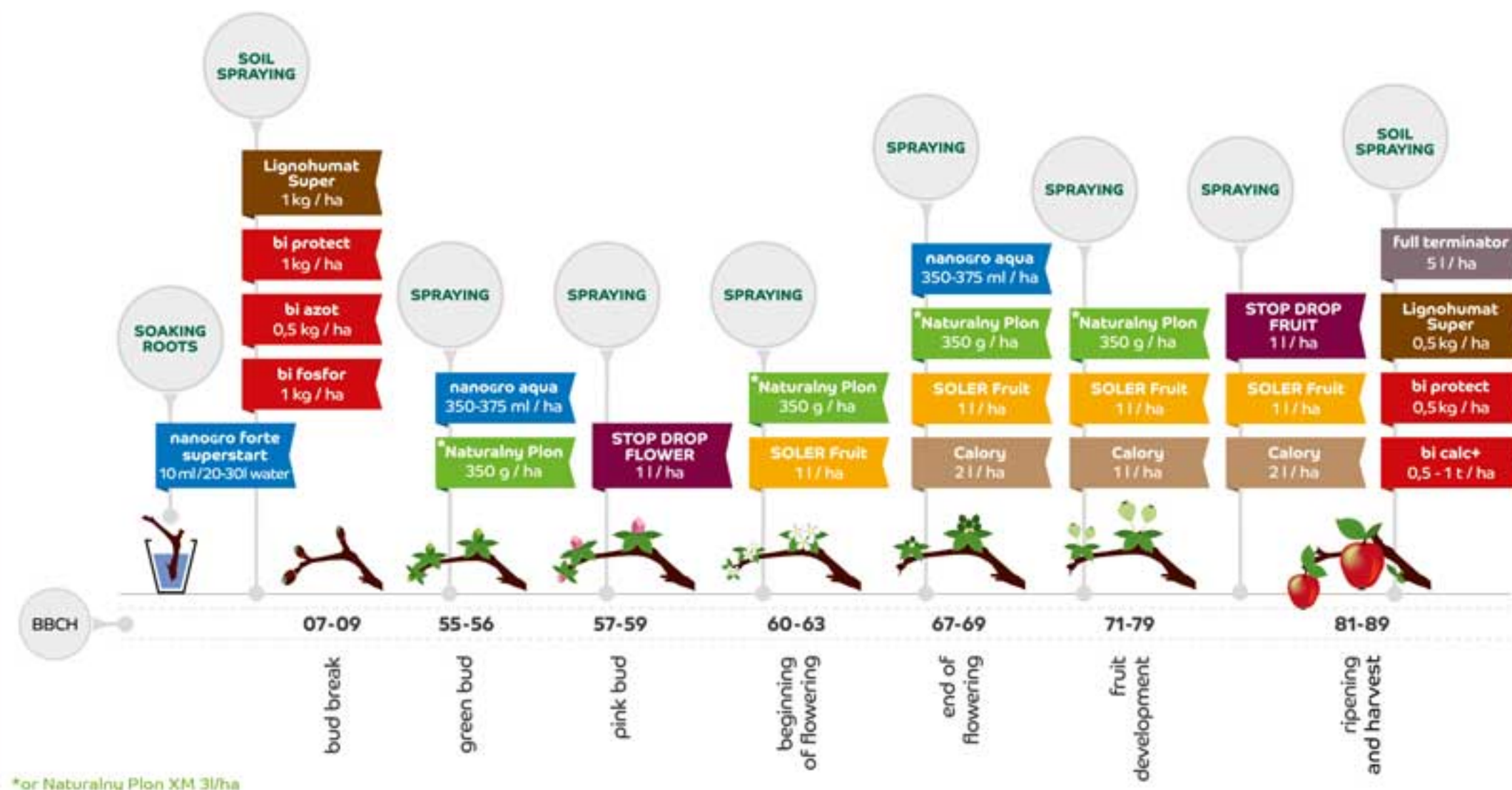
AGRARIUS treatment schedule for crops

Our products are designed for all agricultural, fruit, vegetable, herb, industrial and ornamental crops. We have developed detailed recommendations for the use of our preparations in the interests of comprehensive care of plants and soil, resulting in high yields and excellent quality.

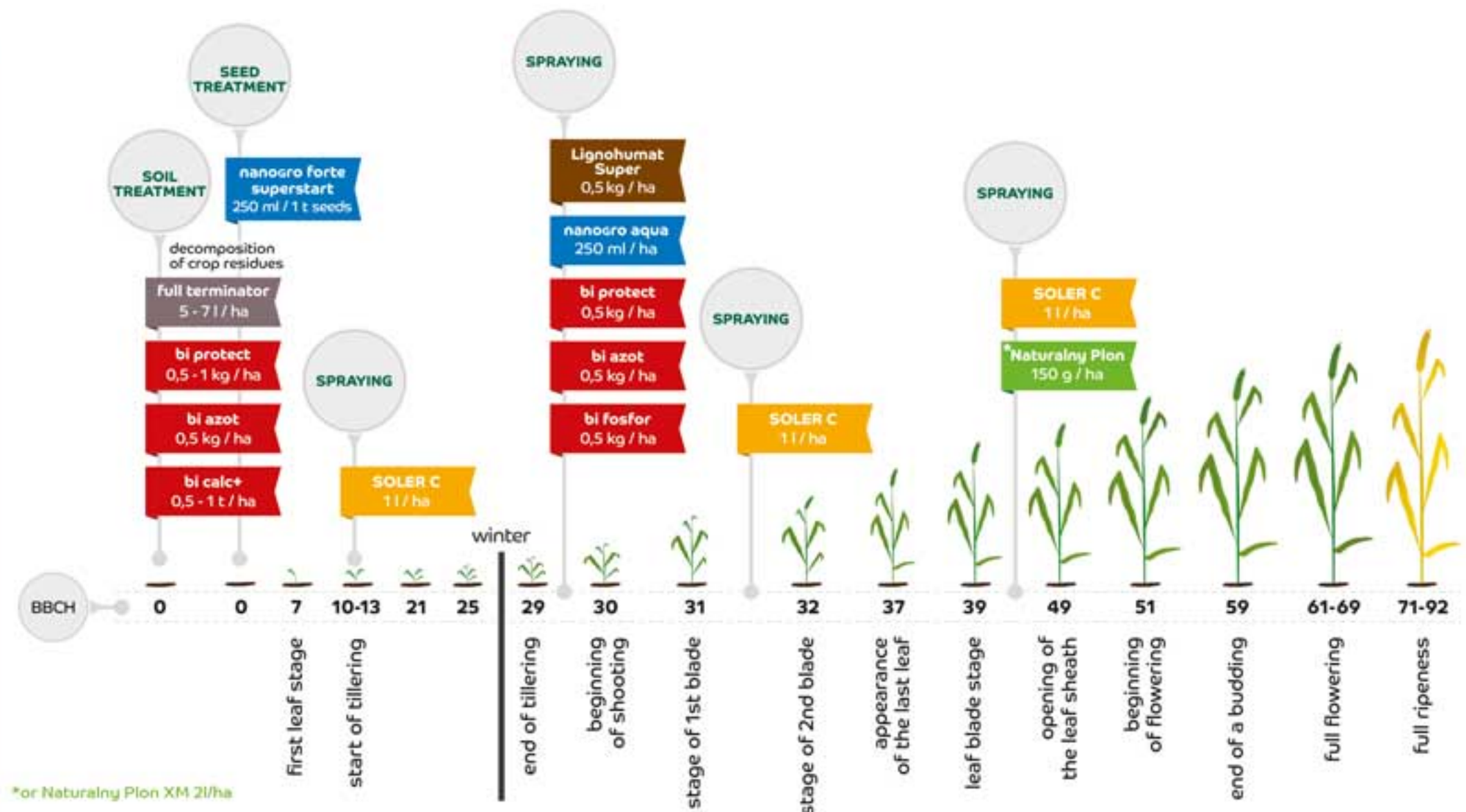
You can find more schemes using AGRARIUS preparations on www.agrarius.eu/uprawy



Cultivation of fruit trees



Wheat cultivation



The background of the entire page is a dark gray field filled with a complex, organic pattern. This pattern consists of numerous thin, light gray wavy lines that meander across the space, often forming loops or swirls. Interspersed among these lines are clusters of small, light gray dots, some of which are arranged in small, irregular groups. The overall effect is a textured, almost topographical or cellular appearance.

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