

Natural fertilisers for all types of crops and every stage of plant life cycle

Energise soil and protect fertility with AgroVerm
100% organic activators to get sustainable profits



Global trends in fertilizer market



Mineral fertilisers

- Gasoline prices are rising
- European production is shutting down
- Production in PRC is reducing
- Overall deficit of mineral fertilisers is growing
- Prices of mineral fertilisers are record-high



Organic fertilisers

- Market is growing annually by 15-20%
- EU Green Deal 2030. 25% of agriculture must become organic. The use of mineral fertilisers must be reduced by 20%.

AgroVerm products solve the following challenges for agribusiness:



Low yield



Low ROI



Uncontrollable costs of logistics



Equipment failure



Product sub par to ecological standards



Product sub par to retail standards



Pesticide damage of plants



Pest damage of crops



Plant/soil diseases



Incompatible fertilisers



Constant increase in fertilizer dosage



Soil depletion



Soil/water/air pollution



Infertile soil/soil erosion



Phosphatisation of soil

An eco-friendly alternative to chemical fertilisers for sustainable crops

Let's see what you get when applying AgroVerm
organic fertilisers and soil enhancers

7-35%

INCREASE IN YIELD

33%

INCREASE IN SOIL FERTILITY

2x

BACTERIA SURVIVAL RATE +
GROWTH OF COLONIES

60%

REDUCED PHYTOTOXIC EFFECT OF
PESTICIDES



**24%**Increase in chlorophyll
and carotenoids**7x**Improved coefficient
of soil structure**30%**Faster biochemical
reactions in plants**8%**Increase in drought
resistance**17-50%**Increase
in root mass**17-19%**Increase
in biomass**27%**Increase in soil ferment
activity**2-3 years**Organic decomposition
after 1st use**99%**L amino
acids content**19%**Increase
in biomass growth**2.5x**Increase in soil
water resistance

Pre-sowing seed treatment

- Compatible with chemical pesticides
- Prolonged shelf life
- Suitable for 40 tons of seeds across 200 hectares

COMPLETE SEED TREATMENT SOLUTION

Soil fertility enhancement between crops

- Compatible with LCF and UAN
- Bonds micro-aggregates
- Increased water retention, saturation and drainage
- Enhanced air flow and soil throughput
- Increased soil humus content

COMPLETE SOIL HEALTH AND FERTILITY SOLUTION



Foliar treatment during the growth season

- Mobilisation of poorly soluble potassium and phosphorus compounds
- Nitrogen fixation and transformation into nitrates

COMPLETE FOLIAR TREATMENT SOLUTION

Decomposition of crop residue

- 3x growth of fungi colonies
- Accelerated decomposition of organic residues
- Release of antibiotics which suppress the development of pathogens, incl. rust and septoria

COMPLETE SOLUTION FOR RESIDUE DECOMPOSITION

Our Product Range



AgroVerm Granules

For direct application to the soil, spreading over the soil. Organic granules, a healthy alternative to mineral fertilisers.



AgroVerm Growth

For seed treatment. Covers the seed surface with a protective membrane.



AgroVerm Master

For spraying, irrigation, drip irrigation. Yield stimulant. Sustains growth during application of pesticides, low temperatures, disease and drought.



AgroVerm Screen

For spraying, irrigation, drip irrigation. Biofungicide – suppresses reproduction of pathogenic fungi and bacteria.



AgroVerm Nitro

For spraying, irrigation, drip irrigation. Enables effective nitrogen absorption.

SUITABLE FOR ALL TYPES OF CROPS AND FOR EVERY STAGE OF PLANT LIFE CYCLE

Our Product Range



AgroVerm Fos+

For spraying, irrigation, drip irrigation. Improves plant access to phosphorus without soil phosphatisation.



AgroVerm StartUp Bio

For spraying, irrigation, drip irrigation. Bacterial growth stimulant. Used for accumulating crop biomass during seed processing and sowing.



Agro Active Ingredient

Complex of amino acids which optimises and accelerates plant metabolism. Ensures synthesis without depleting internal resources.



AgroVerm Trichoderma

For spraying, irrigation, drip irrigation. Organic biofungicide. Fights pathogenic fungi.



AgroVerm Organic Soil Enhancer

For spraying, irrigation, drip irrigation. Organic bioglue which bonds micro-aggregates.

SUITABLE FOR ALL TYPES OF CROPS AND FOR EVERY STAGE OF PLANT LIFE CYCLE



AGROVERM GRANULES



Organic granules, a healthy alternative to mineral fertilisers. 95% digestibility



CONTENT:

Organic matter >40%, N 5-10%,
P 4-6%, K 4-6%



DOSAGE:

500 kg per 1 hectare



PACKAGING:

1000 kg

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm Granules

A healthy alternative to mineral fertilisers

Proven quality of raw materials. Microbiologically processed at temperatures above 100°C. Over 40% of the content is organic matter. Know-how technology. 95% digestibility – almost completely absorbed by the soil, seeds and plants.

Organic granules can be incorporated into the soil via:

- scattering over the surface before digging up the soil in autumn or early spring;
- spreading over grooves, recesses and notches during sowing.



01

Nutrition

Gradual release of nutrients during the growing season. Contains bacteria, which improve NPK availability

03

Organic crops

Ensures organic crops with high added value

02

Protection

Prevents bacterial diseases, incl. root rot, rust and powdery mildew. Active ingredients stay in soil during excessive watering

04

Ecological farming

Reduces CO2 emissions into the atmosphere. Complies with the ESG standards



AGROVERM GROWTH



SEED TREATMENT

Humic acids bind nutrients, accelerate their transport to plant cells and retain moisture



CONTENT:

Low molecular weight humic acids, nanoparticles SiO₂, Fe, MO



DOSAGE:

1 liter per 1 ton of seeds



PACKAGING:

Jerrycan 10 liters

STAGES

1. Pre-sowing seed treatment

2. Treatment during tillering

3. Foliar treatment during the growth season

4. Decomposition of crop residue

5. Soil fertility enhancement between crops



AgroVerm Growth

Complete solution for seed treatment

Covers the seed surface with a protective membrane. Biologically active substances with low molecular weight quickly penetrate the seed and stimulate its development.

Silicon, iron and molybdenum nanoparticles provide 30-day release of ions. In combination with triazole-type chemical pesticides AgroVerm Growth restores the synthesis of gibberellins.



01

Growth stimulation

Carbon promotes multiplication of beneficial microorganisms and stimulates rapid plant growth and development during the initial stage of ontogenesis. Increased field germination of seeds and volume of productive stems

02

+50% root mass

Ensures formation of a well-developed primary and secondary root system. Stimulation of tillering and synchronicity of shoot development

03

Insurance

Allows cereal tillering nodes to lay up to 1 centimeter deeper compared to untreated crops

04

Protection

Reduces negative effects of chemical disinfectants, including triazol-type tebuconazole, itraconazole and other DVs. Improves resistance to low temperatures in winter grain crops due to increased accumulation of sugars in the tillering node



AGROVERM MASTER



Growth stimulator. Plant rehabilitation.
7-35% increase in yield



CONTENT:

Humic acids 30 g/l, fulvic acids 4-6 g/l,
total C content 16%, 18 L-series
alpha-amino acids 1.8% of C total



DOSAGE:

1,5-2 liters per 1 hectare



PACKAGING:

Jerrycan 10 liters

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm Master

Yield stimulant

Contains amino acids and low molecular weight humic and fulvic acids obtained from vermicompost. Humic acids bind nutrients, accelerate their transport to plant cells and retain moisture. Fulvic acids contain antioxidants and enable plants to efficiently absorb nutrients and grow faster.

Sustains activation of growth mechanisms after application of pesticides and during low temperatures, disease and drought.

In combination with chelated microelements improves their efficiency and the permeability of leaf surface.



01

Increase in yield

5-35% increase in yield.

Increased ROI – sustainable
crop growth after 1st application

02

Nutrition

Foliar processing increases plant nutrients
absorption, strengthens plant immune
system and disease resistance

03

Protection

Sustains activation of growth mechanisms
and protects plants during frost, drought,
application of herbicides, disease and pest
invasion

04

Increased time-to-market

Foliar treatment intensifies physiological
and biochemical processes. Accelerated passage
of phenophases



AGROVERM SCREEN



BIOFUNGICIDE

Unlike with chemical fungicides, pathogens do not develop resistance to AgroVerm solution



CONTENT:

Living cells, spores and a complex of metabolites of *Bacillus subtilis* 1*10⁵ CFU



DOSAGE:

1,5-2 liters per 1 hectare



PACKAGING:

Jerrycan 5 and 10 liters

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm Screen

Biofungicide. Disease prevention

Bacillus subtilis live spore bacterial culture suppresses reproduction of pathogenic fungi and bacteria. Increases plant immunisation against seed mold, root rot, rhynchosporium, helminthosporium, brown rust, septoria, alternaria and powdery mildew. Reduces risk of re-infection.

Immediately launches plant self-defense mechanism and direct suppression of disease inside the plant and in the root zone. Actively suppresses pathogens during the entire growing season.



01

Growth stimulation

Activates plant metabolism via synthesizing growth hormones and vitamins

02

Root stimulation

Improves the development of root hairs.
Enhances absorbent properties of roots

03

Protection

Enhances plant immune system. Reduces the incidence of plants with root rot, late blight, leaf rust and other diseases

04

Support

Increases plant resistance to phytopathogenic microorganisms which live in soil or rhizosphere and on the surface of seeds and leaves



AGROVERM NITRO



NITROGEN-FIXING BACTERIA

Maximum efficiency in soils with the pH of 6.2-8.3



CONTENT:

Metabolites and Living cells of Nitrogen fixing bacterium Azospirillum, Azotobacter
5 chroococcum 1*10⁵ CFU



DOSAGE:

1,5 liters per 1 hectare



PACKAGING:

Jerrycan 5 and 10 liters

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm Nitro

Nitrogen fixation

Nitrogen-fixing bacteria utilise soil-bound mineral and organic compounds, incl. ammonium salts, nitrous acid and urea. Bacteria convert compounds via nitrification into plant accessible forms of nitrogen – nitrates.

AgroVerm Nitro synthesizes Nitrogenase enzyme, which draws nitrogen from the atmosphere and reduces N_2 to ammonia NH_3 .



01

Protection

Synthesizes anisomycin-type fungistatic antibiotic, which inhibits the development of pathogenic fungi

02

Support

During bound nitrogen compound deficit, molecular nitrogen is drawn from the atmosphere. Fixation rate is up to 15 mg of N_2 per 1 gram of carbon or up to 50 kg of nitrogen per hectare annually

03

Nutrition

Produces biologically active substances: B vitamins, nicotinic and pantothenic acids, biotin, heteroauxin and gibberellin, which stimulate plant growth

04

Soil health and safety

Azotobacter. Produces antifungal antibiotics effective against fungi found in seeds and soil from the genera Fusarium, Alternaria and Penicillium



AGROVERM FOS+



PHOSPHORUS-MOBILIZING BACTERIA

Enables effective absorption
of phosphorus and potassium



CONTENT:

Metabolites and living cells of *Bacillus megaterium*
5 1×10^5 CFU



DOSAGE:

1,5 liters per 1 hectare



PACKAGING:

Jerrycan 5 and 10 liters

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm Fos+

Improves plant access to phosphorus without soil phosphatisation

Only 25% of applied phosphorus fertilisers reach the plants. 75% quickly bonds with calcium and magnesium cations, as well as iron, aluminium, manganese and titanium oxides and hydroxides. But simply increasing the dose of mineral fertilisers leads to soil phosphatisation.

Microbial mobilisation of *Bacillus megaterium* significantly increases availability of soil potassium via transforming potassium aluminosilicates, which generally constitute 98-99% of its gross content, into plant accessible compounds.



01

Permanent effect

Bacillus megaterium spores and living cells enter the soil and start to develop. Then the strain effectively colonises the entire rhizosphere of cultivated plants

02

Nutrition – stage 1

Bacillus megaterium produces organic acids and phenolic compounds. These effectively dissolve compound forms of soil phosphate and potassium, which are unsuitable for plants

03

Nutrition – stage 2

Organic acids and specific enzymes convert insoluble compounds of phosphorus and potassium into water-soluble ones

04

Nutrition – stage 3

Plants receive phosphorus and potassium in their most absorbable form. And no phosphatisation of soil



AGROVERM STARTUP BIO



BREEDING GROUNDS FOR BACTERIA

2x bacteria survival rate



CONTENT:

Elective nutrient medium for bacteria
Azotobacter chroococcum, Bacillus
megaterium and Bacillus subtilis



DOSAGE:

100 ml per 1 hectare



PACKAGING:

Jerrycan 1 liter

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm StartUp Bio

Bacterial growth stimulant

Special growth formula: protein-carbohydrate nutrient medium coupled with growth stimulants. Creates optimal conditions for growth and reproduction of *Azotobacter chroococcum*, *Bacillus megaterium* and *Bacillus subtilis*. Sustains unfavorable conditions for pathogenic microorganisms and weeds.

Used for accumulating crop biomass during seed processing and sowing.



01

Growth stimulation

Ensures rapid growth of beneficial bacteria colonies. Increases bacteria reproduction rate. Increases survival rate and active reproduction of introduced bacteria in the rhizosphere

02

Support

2x the volume of surviving bacteria as measured before and after AgroVerm StartUp Bio application

03

Sustainability

Improves bacteria adhesion to the surface of seeds and roots

04

Nutrition

Enhances bacterial root colonisation from the get-go to increase plant nutrition before bacterial colony reaches full potential



AGRO ACTIVE INGREDIENT COMPONENT A



Complex of amino acids which optimises and accelerates plant metabolism. Ensures synthesis without depleting internal resources



CONTENT:
99% Phytogetic L-amino acids



DOSAGE:
1 can per 20 hectares



PACKAGING:
1 liter can, sold only with Component B

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



Agro Active Ingredient
Component A

Water-soluble active components for foliar treatment of vegetative plants during intensive growth phases

Complex of amino acids which optimises and accelerates plant metabolism. Ensures synthesis without depleting internal resources.

An adhesive provides even distribution across leaf surface, significantly reduces consumption and forms an organic microfilm, which prevents evaporation.

Forms complexonates coupled with microelement ions, which plants quickly absorb. Complexonates are analogs of chelates.



01

Accelerated photosynthesis

24% increase in photosynthetic pigments in seedlings = 24% increase in chlorophyll and carotenoids

03

Growth stimulation

Accelerated formation of the photosynthetic apparatus to sustain accelerated growth. 17% increase in root mass. Accelerates biomass growth by 17%

02

Protection

Optimized water exchange. Increased plant strength during drought. Management of stomata. Improved osmotic processes in protoplasm. Strengthened walls of plant cells. Support after pesticide application

04

Nutrition

Improved nitrogen and hormonal plant metabolism



AGRO ACTIVE INGREDIENT COMPONENT B



Contains lumbrokinase enzyme, adhesive and wetting agent derived from natural polysaccharides and organic succinic and fulvic acids



CONTENT:

Lumbrokinase, 80% organic succinic and fulvic acids, 20% adhesives of natural origin



DOSAGE:

1 can per 20 hectares



PACKAGING:

1 liter can, sold only with Component A

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



Agro Active Ingredient
Component B

Special enzyme produced from worm coelomic fluid

Contains lumbrokinase enzyme, adhesive and wetting agent derived from natural polysaccharides and organic succinic and fulvic acids.

Lumbrokinase enzyme accelerates biochemical reactions in plants by 30% as it transfers molecule components and whole molecules between compounds in two stages:

- Splits off an atomic group and reacts with it, forming compounds
- Acts as a catalyst for the merger of compounds with other substances

Especially effective in transporting molecules between amino groups.

Contains natural polysaccharide, which enables uniform distribution across the leaf surface and improved adhesion.



01

Accelerated photosynthesis

24% increase in photosynthetic pigments in seedlings – 24% increase in chlorophyll and carotenoids

02

Protection

Optimized water exchange. Increased plant strength during drought. Management of stomata. Improved osmotic processes in protoplasm. Strengthened walls of plant cells. Support after pesticide application

03

Growth stimulation

Accelerated formation of the photosynthetic apparatus to sustain accelerated growth.

17% increase in root mass. Accelerates biomass growth by 17%. 30% faster biochemical reactions in plants

04

Nutrition

Improved nitrogen and hormonal plant metabolism



AGROVERM TRICHODERMA



Organic biofungicide. Fights pathogenic fungi. Exceptionally effective in soils with a pH of 5.0-7.0, but also works in other types of soil



CONTENT:

Spores and mycelium of the fungus, which is an antagonist of *Trichoderma viride* with a titer of 2×10^9 CFU/ml or more. Fungus metabolic products and biologically active substances. Living cells, spores and a complex of metabolites of *Bacillus subtilis* 1×10^5 CFU



DOSAGE:

2 litres per 1 hectare



PACKAGING:

Jerrycan 5 and 10 liters

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm Trichoderma

Organic biofungicide. Fights pathogenic fungi.

Prevents the spread of phytopathogens via parasitism, competition for substrate, emitting enzymes, antibiotics (gliotoxin, viridin, trichodermin) and other biologically active substances.

Effective against Trichoderma parasites on the following types of fungi: Sclerotinia sclerotiorum, Rhizoctonia solani, Alternaria, Ascochyta, Botrytis, Verticillium, Colletotrichum, Fusarium, Helminthosporium, Pythium, Phoma, Phytophthora.

Grows on various plant residues rich in cellulose as well as on mycelium, and the fruiting bodies of phytopathogens. Develops rapidly in well-aerated soils rich in organic matter.

01

Protection against Trichoderma

Effective against Trichoderma parasites on the following types of fungi: Sclerotinia sclerotiorum, Rhizoctonia solani, Alternaria, Ascochyta, Botrytis, Verticillium, Colletotrichum, Fusarium, Helminthosporium, Pythium, Phoma, Phytophthora

03

Overall protection

Effective against various types of withering

02

Protection of roots

Effective against Pity, Rhizoctonia and Fusarium root rot

04

Protection of leaves and stems

Effective against ascochyta and anthracnose, alternaria and gray rot



AGROVERM ORGANIC SOIL ENHANCER



Bonds micro-aggregates. Produced from worm compost. 33% increase in soil fertility



CONTENT:
Water-soluble organic matter



DOSAGE:
500 liters per 1 hectare



PACKAGING:
IBC 1000 liters

STAGES

1. Pre-sowing seed treatment
2. Treatment during tillering
3. Foliar treatment during the growth season
4. Decomposition of crop residue
5. Soil fertility enhancement between crops



AgroVerm
Organic
Soil Enhancer

Organic bioglue which bonds micro-aggregates

Applied through sprayer or tapping tubes, plant feeder and sprinkler irrigation system. Liquid form allows even distribution.

Preserves and improves soil fertility. Increases water retention, saturation and drainage. Enhances air flow and soil throughput. Increases soil humus content and acts as a soil microflora catalyst. Enhances soil accumulation of nutrients and makes them readily accessible for plants. Compatible with LCF and UAN.



01

High-quality bacterial flora

Superior to animal manure in bacterial flora content. Up to 2000 billion colonies per 1 gram of worm compost compared to 150-350 million per 1 gram of manure. Zero pathogenic microflora

02

+33% in soil fertility

Bonds micro-aggregates of soil. Increases water retention, saturation and drainage. Improves soil strength against mechanical impact. Accelerates soil microflora growth. Enhances air flow and soil throughput. Increases soil humus content

03

Protection

Has a neutral pH = 7 and protects soil from diseases

04

Cost reduction

- No change in agricultural technology
- Requires lower quantity of mineral fertilisers
- Gel consistency reduces consumption
- ROI during the first year of application

Recommendations

Select drought resistant plant varieties or hybrids?
Utilise specific agricultural techniques of tillage,
sowing and agrochemicals application? Just use
AgroVerm Active Components.

01

Scientific research and practical application proved
that amino acids directly affect the physiological
processes in plants

02

Scientists have found that drought can strengthen plant
immune system and increase resistance to pathogens

03

Plants that accumulated arginine, glutamine, glycine,
proline and other amino acids show the lowest rate of
water loss and the smallest decrease in leaf
photosynthetic efficiency

[Contact us to learn more](#)

Treatment of plants during drought

The most effective treatment includes a complex of amino acids.
Increased drought resistance leads to improved plant immune
system

Each plant type requires different concentration of trace elements

Plant access to trace elements depends not only on their form,
but also on their concentration in agrochemicals

Cuticular layer diffusion rate

Leaf absorbs nutrients via passive diffusion.

A combo of A and B components is superior to chelated fertilisers in ensuring
sufficient plant nutrition due to increased penetration of leaf surface

Largest automated worm farm in CIS

Fast production of 100% natural organic fertilisers and soil enhancers

We research, develop, produce and distribute

Own research facility – guaranteed product quality and constant innovation.

Automated worm farm with modular system – up to 1000 kg of worms per 1m² per year. Unique system of processing worm compost allows maximum preservation of beneficial properties.

[Contact us to get a discount for the first order](#)

12 offices in 3 countries

INTERNATIONAL COMPANY

Experienced in international customs clearance and shipping. We supply the CIS countries, Georgia and Sri Lanka and expand every year

Affordable prices

8 TIMES MORE COST-EFFECTIVE

Our technology is 8 times more cost-effective than traditional worm composting

Tested and approved

ACROSS 3 COUNTRIES

Products successfully tested in different soils across Russia, Belarus and Georgia.
Obtained state registration and entered into the register of agrochemicals

Become a dealer

We are constantly looking for dealers around the world

Benefits of working with us:

- Natural organic products which solve all challenges for agribusiness
- 35%-100% marginality
- Discount prices for large orders
- Expert in-field training by AgroVerm specialists
- On-site meetings with AgroVerm specialists
- Online consultations
- Webinars
- Marketing materials
- Customized advertising materials for your market
- Product samples for testing

We've successfully partnered with companies from Russian Federation, Belarus, Sri-Lanka and Serbia

How to become a dealer

1. Submit a request
2. We contact you and organise a meeting
3. Together we negotiate the terms of our partnership
4. Your company undergoes a standard verification procedure
5. We sign a contract
6. You receive products
7. We send a representative to your region
8. During the course of contract we hold monthly meetings between our manager and agronomist and your representatives

[Become a dealer](#)

Contact our leading specialist



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[Contact our experts](#)