AB Ferta
Organik
Mineral
Fertilizer

CATALOG 2027

CATALOG LANGUAGE

English | Română | Українська | Français | Русский



CATALOG

of organo-mineral fertilizers
with amino acids



TM AB Ferta®

TM E.K.O. Stim®

TM Dobry-2005®

GROUP OF COMPANIES

AB FERTA

Catalog 2027

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A Complete Solution — a High Yield!

BRANDS FEATURED IN THIS CATALOG

AB Ferta · E.K.O. Stim · Dobry-2005 · BOR+ · ZINC+



Wheat · Sunflower · Corn

OUR STORY

“AB FERTA”

How a Laboratory Formula Conquered the Fields of Two Continents

> Agricultural companies usually tell the same story: “We were founded in such-and-such a year, and we’re market leaders...” Boring, isn’t it?

At AB FERTA, everything began quite differently — **with passion, scientific persistence, and a few ruined pharmacy scales**, back in the early 2000s.

That was when the team behind what would become our unique formulas, immersed in in-depth biochemical research, made a deliberate break from the conventional way of producing standard fertilizers. Their idea was as simple as it was bold: to create an innovative nutrition formula that would let a plant **unlock 100% of its genetic potential**, regardless of the weather’s whims.

From Scientific Passion to the Top Tier of Agronomy

The real breakthrough came when serious scientific expertise joined the effort. Leading researchers — professors of ecology and agrochemistry, including the distinguished scientist **Viktor Nikolaevich Lapitsky** — along with experienced staff from plant-breeding research stations, were brought in to refine the formulas and conduct fundamental trials.

Those were years of continuous experimentation:

500+	laboratory and field trials across all key agricultural crops
Balance	the search for the ideal ratio of amino acids, humate complexes, and micronutrients
Hundreds	of trials on plant resistance to stress and drought

When the first commercial crops showed a **record increase in yield**, it became clear the research phase had succeeded. It was time to scale up.

Combining Science with Scale

A new era began with the arrival of a strong team of business partners. By combining the scientific wealth of the founding team’s work with systematic management, high management standards, and a vision for the global market, the company made a powerful leap forward.

AB FERTA grew from a local research project into a modern, high-tech production facility. By **2022**, new horizons had opened up for the company, marking the start of active expansion into the **markets of the European Union and Asia**.

Why AB FERTA Is More Than Fertilizer — It’s a Biotechnological Shield

State-of-the-Art Technology

Our production facility is equipped with high-precision machinery that ensures the molecular stability of every liter of product.

Global Patent Protection

AB FERTA’s unique organo-mineral formulas are protected by **international patents** — intellectual property that cannot be replicated using makeshift methods.

Uncompromising Fight Against Counterfeits

We protect our brand and our customers’ harvests. Every batch carries multi-level anti-counterfeiting protection, guaranteeing farmers **100% genuine quality**.

Today, AB FERTA is no longer just a name on a canister. **It’s the story of how a team of scientists’ passion for advanced science became an international standard of agricultural success.**

AB FERTA

High-performance European complex organo-mineral fertilizer with dual action (biostimulation and immunostimulation), with amino acids

Complete Solution

wheat, sunflower, corn

Pre-sowing Seed Treatment

Foliar Feeding of Plants

Plant growth stimulant

Effective anti-stress agent

Adjuvant effect

Fungicidal effect



PACKAGING

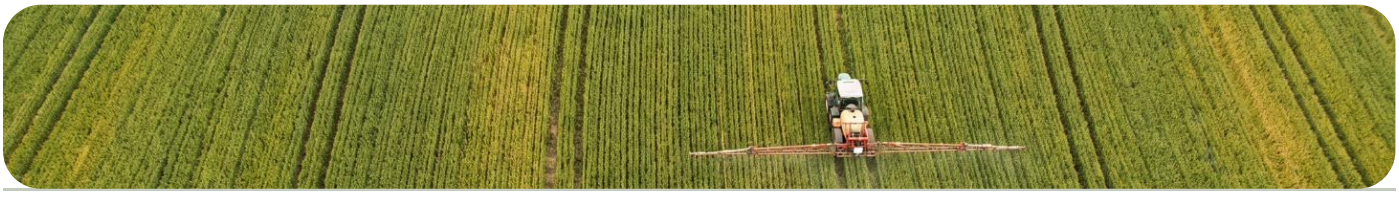
1 l | 5 l | 10 l | 20 l | 50 l

Quality Indicators

Liquid organo-mineral fertilizer: AB Ferta, grade AB Ferta

No.	Indicator	Analysis Result, %
1	N, Nitrogen	1.4
2	P, Phosphorus	4.32
3	K, Potassium	0.9
4	Ca, Calcium	0.18
5	Fe, Iron	0.11
6	B, Boron	0.71
7	Mg, Magnesium	0.006
8	Cu, Copper	0.053
9	Mn, Manganese	0.01
10	Zn, Zinc	0.004
11	Co, Cobalt	0.001

No.	Indicator	Analysis Result, %
12	Mo, Molybdenum	0.0005
13	Succinic acid	0.5
14	Humic substances	3.5
15	pH value	8.8
16	Amino acid: Serine	0.1
17	Amino acid: Alanine	0.1
18	Amino acid: Glycine	0.1
19	Amino acid: Valine	0.1
20	Amino acid: Arginine	0.1
21	Amino acid: Glutamine	0.1
22	Ni, Nickel	0.001



Pre-sowing Seed Treatment AB FERTA

Results Achieved

- **2–3x acceleration** of root system development
- Increased permeability of root cell membranes
- Rapid start of plant growth
- Accelerated metabolic exchange between roots and soil
- Stimulates roots to release organic acids (carbonic, malic, etc.), which speeds up the release of micronutrients from the soil
- **Adjuvant effect**
- Improved field germination and **germination energy**

0.7–1 liter/ton

Wheat

Sunflower

Corn

Using factory seed-coating technology.

- Similar fertilizers demonstrate high efficacy when applied to rapeseed, soybean, vegetable crops, annual grasses, fruit trees, berry crops, and vineyards.

Foliar Feeding of Plants AB FERTA

Results Achieved

- **20–30% increase in yield** of field crops
- Improved **disease resistance**
- Improved **drought resistance**
- Improved **frost resistance**
- Increased efficacy of macrofertilizers, such as ammonium nitrate, etc.
- **Improved crop quality indicators,** namely protein, gluten, and oil content

0.7–1 liter/hectare

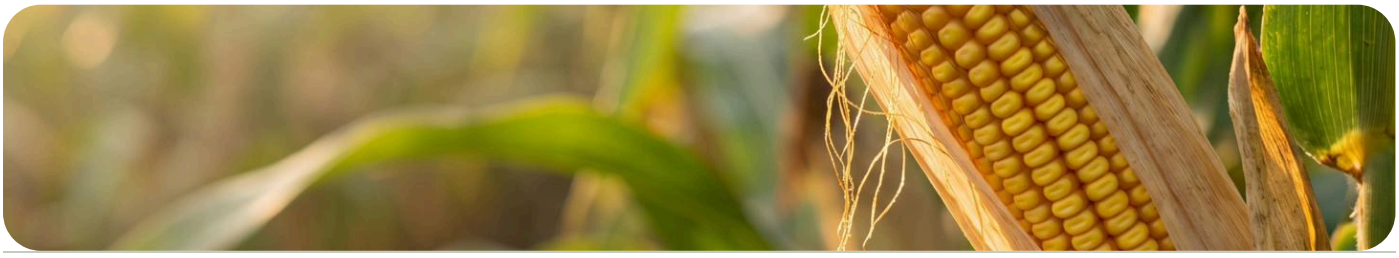
Wheat

Sunflower

Corn

Spray solution consumption: 150–300 liters/hectare, depending on sprayer type.
Application by agricultural drones is possible.

- Similar fertilizers demonstrate high efficacy when applied to rapeseed, soybean, vegetable crops, annual grasses, fruit trees, berry crops, and vineyards.



E.K.O. Stim

Complex multi-component organo-mineral fertilizer

Optimal Solution

wheat, sunflower, corn

- **Pre-sowing Seed Treatment**
- **Foliar Feeding of Plants**
- **Plant growth stimulant**
- **Effective anti-stress agent**
- **Adjuvant effect**
- **Fungicidal effect**



PACKAGING

1 l | 5 l | 10 l | 20 l | 50 l

Quality Indicators

No.	Indicator	Analysis Result, %
1	N, Nitrogen	1
2	P, Phosphorus	1
3	K, Potassium	1
4	B, Boron	0.5
5	Cu, Copper	0.16
6	Mn, Manganese	0.02
7	Co, Cobalt	0.003

No.	Indicator	Analysis Result, %
8	Mo, Molybdenum	0.004
9	Succinic acid	0.4
10	Humic substances	5
11	pH value	9.0
12	Amino acid: Glycine	0.1
13	Amino acid: Arginine	0.1
14	Amino acid: Tryptophan	0.1



Pre-sowing Seed Treatment E.K.O. Stim

Results Achieved

- **2–3x acceleration** of root system development
- Increased permeability of root cell membranes
- Rapid start of plant growth
- Stimulates roots to release organic acids (carbonic, malic, etc.), which speeds up the release of micronutrients from the soil
- **Adjuvant effect**
- Improved field germination and **germination energy**
- Guarantees strong, healthy seedlings and a **high yield**

0.7–1 liter/ton

Wheat

Sunflower

Corn

Using factory seed-coating technology.

- Similar fertilizers demonstrate high efficacy when applied to rapeseed, soybean, vegetable crops, annual grasses, fruit trees, berry crops, and vineyards.

Foliar Feeding of Plants E.K.O. Stim

Results Achieved

- **20–30% increase in yield** of field crops
- Improved **disease resistance**
- Improved **drought resistance**
- Improved **frost resistance**
- **Stress resistance:** plants recover faster after herbicide exposure
- Increased efficacy of macrofertilizers, such as ammonium nitrate, etc.
- **Improved crop quality indicators,** namely protein, gluten, and oil content
- **You get a guaranteed, high-quality yield**

0.7–1 liter/hectare

Wheat

Sunflower

Corn

Spray solution consumption: 150–300 liters/hectare, depending on sprayer type.
Application by agricultural drones is possible.

- Similar fertilizers demonstrate high efficacy when applied to rapeseed, soybean, vegetable crops, annual grasses, fruit trees, berry crops, and vineyards.



Dobry-2005

Complex, optimal organo-mineral fertilizer that promotes sugar accumulation in winter crops and relieves drought stress, cryoprotectant

Complete Solution

wheat, sunflower, corn

Pre-sowing Seed Treatment

Foliar Feeding of Plants

Plant growth stimulant, cryoprotectant

Effective anti-stress agent

Adjuvant effect

Fungicidal effect



PACKAGING

1 l | 5 l | 10 l | 20 l | 50 l



Quality Indicators

No.	Indicator	Content, g/l
1	N, Nitrogen	7
2	P, Phosphorus	32
3	K, Potassium	20
4	B, Boron	5
5	Cu, Copper	0.8

No.	Indicator	Content, g/l
6	Zn, Zinc	0.06
7	Succinic acid	4
8	Humic substances	50
9	pH value	9.0



Pre-sowing Seed Treatment Dobry-2005

Results Achieved

- **1.5–2x acceleration** of root system development
- **Adjuvant effect**
- **Fungicidal effect**
- Improves field germination and germination energy **by 5–10%**
- Guarantees strong, healthy seedlings and a **high yield**

1.5–2.0 liter/ton

Wheat

Sunflower

Corn

Using factory seed-coating technology.

- Similar fertilizers demonstrate high efficacy when applied to rapeseed, soybean, vegetable crops, annual grasses, fruit trees, berry crops, and vineyards.

Foliar Feeding of Plants Dobry-2005

Results Achieved

- **20–30% increase in yield** of field crops
- Improved **disease resistance**
- Improved **drought resistance**
- Improved **frost resistance**
- **Improved crop quality indicators**
- **You get a guaranteed high yield**

0.4–1.0 liter/hectare

Wheat

Sunflower

Corn

Spray solution consumption: 150–300 liters/hectare, depending on sprayer type.
Application by agricultural drones is possible.

- Similar fertilizers demonstrate high efficacy when applied to rapeseed, soybean, vegetable crops, annual grasses, fruit trees, berry crops, and vineyards.



BOR+

Potassium Humate + Amino Acids

A preparation for supplying plants with boron

When Using This Product

Improves the flowering process

Increases flower count and improves pollination

Reduces spikelet sterility and uneven grain formation

Boosts plant immunity

Intensifies sugar accumulation and transport

Significantly increases **resistance to root and fruit rot**



PACKAGING

1 l | 5 l | 10 l | 20 l | 50 l

Product Composition

content, g/l

100	10	0.005	0.2	30	30
B Boron	**N** Nitrogen	**Zn** Zinc	**Mo** Molybdenum	Potassium Humate	Amino Acids

pH value: 9.0

Boron Fertilizer Application Rate

Sunflower

Growth Stage

2-3 leaf pairs	0.5–1 l/ha
5-6 leaf pairs	1 l/ha

Corn

Growth Stage

3-5 leaf pairs	0.3 l/ha
6-8 leaf pairs	0.3 l/ha

Winter and Spring Wheat, Barley

Growth Stage

Tillering	0.3 l/ha
Stem Elongation — Flag Leaf	0.2 l/ha

Winter and Spring Rapeseed, Mustard

Growth Stage

4-6 leaves (before winter)	1 l/ha
Spring Rosette — Stem Elongation	1–2 l/ha
Budding	1 l/ha

Grapevine

Growth Stage

Before Flowering	1 l/ha

ZINC+

Potassium Humate + Amino Acids

A preparation for supplying plants with zinc

When Using This Product

Improves pollination and plant hormonal balance

Increases plant resilience to unfavorable flowering conditions

Readily absorbed; plays an important role in **sugar formation** and supports vitamin synthesis

Significantly increases **resistance to root and fruit rot**



PACKAGING

1 l | 5 l | 10 l | 20 l | 50 l

Product Composition

content, g/l

50	15	15	30	30
Zn Zinc	**K** K_2O	**P** P_2O_5	Potassium Humate	Amino Acids

pH value: 9.0

Zinc Fertilizer Application Rate

Corn
Growth Stage

3-5 leaf pairs	0.5–1 l/ha
6-8 leaf pairs	1 l/ha

Soybean, Pea
Growth Stage

Beginning of Flowering	0.5–1 l/ha

Potato
Growth Stage

Budding	0.5–1 l/ha

Grapevine
Growth Stage

Before Flowering	1–1.5 l/ha



Results of AB FERTA Fertilizer Application

No.	Region	Crop	Yield on control plot, t/ha	Yield with AB FERTA, t/ha
1.	**Dnipropetrovsk**	**Winter Wheat**	3.6 (Class 5)	**3.95 (Class 3)**
2.	**Dnipropetrovsk**		3.1 (Class 6)	**3.8 (Class 4)**
3.	**Zaporizhzhia**		2.3 (Class 6)	**2.94 (Class 5)**
4.	**Kharkiv**		3.56 (Class 5)	**3.98 (Class 3)**
5.	**Kharkiv**		3.83 (Class 5)	**4.1 (Class 3)**
6.	**Dnipropetrovsk**	**Winter Barley**	2.72	**3.36**
7.	**Dnipropetrovsk**		2.8	**3.4**
8.	**Kherson**		2.5	**2.95**
9.	**Dnipropetrovsk**	**Sunflower**	1.7	**2**
10.	**Dnipropetrovsk**		2.2	**2.5**
11.	**Kherson**		1.9	**2.15**
12.	**Kharkiv**		1.3	**1.9**

Return on Investment in AB FERTA

Additional euros earned per 1 euro invested in AB FERTA

No.	Cost of AB FERTA, €/1 ha (K_1)	Value of control-plot yield, €/1 ha (K_2)	Value of yield with AB FERTA, €/1 ha (K_3)	Return on Investment in AB FERTA, €/€ $(K_3-K_2)/K_1$
1.	10	568.8	687.3	**11.85**
2.	10	489.8	600.4	**11.06**
3.	10	363.4	464.52	**10.11**
4.	10	562.48	692.52	**13**
5.	10	605.15	713.4	**10.83**
6.	10	429.76	530.88	**10.11**
7.	10	442.4	537.2	**9.5**
8.	10	395	466.1	**7.11**
9.	10	646	760	**11.4**
10.	10	836	950	**11.4**
11.	10	722	817	**9.5**
12.	10	494	722	**22.8**

NOTE — 2014 harvest prices

Winter wheat, Classes 5–6 = €158/t
Winter barley = €158/t
Winter wheat, Class 3 = €174/t
Sunflower = €380/t

Micronutrients and Their Effects

Element		Effect
N	Nitrogen	**Regulator of vegetative mass.** Accelerates the synthesis of organic compounds and increases productivity.
P	Phosphorus	**Energy regulator of root system growth and generative organ development.** Increases frost resistance.
Fe	Iron	**Improves respiration and photosynthesis.** Increases nitrogen and chlorophyll content.
K	Potassium	**Regulator of the plant's water exchange processes.** Enhances sugar synthesis and accumulation. Increases resistance to pathogens and stimulates frost and drought resistance.
Ca	Calcium	**Regulator of water, carbohydrate, and nitrogen metabolism.** Stimulates the mobility of macro- and micronutrients. Increases resistance to fungal infections. Ensures healthy root system development.
Mg	Magnesium	**Regulator of photosynthesis intensity.** Activates enzyme systems involved in protein and carbohydrate metabolism.
B	Boron	**Stimulates photosynthesis intensity.** Improves carbohydrate and protein metabolism. Activates enzyme activity and the cell division process.
Cu	Copper	**Improves plant respiration and photosynthesis, and promotes chlorophyll formation and carbohydrate/nitrogen metabolism.** Increases protein, sugar, and fat content in grain and oilseed crops. Increases plant resistance to fungal and bacterial diseases.
Mn	Manganese	**Accelerates protein and carbohydrate synthesis and regulates plant respiration.** Stimulates electron transport in photosynthesis.
Zn	Zinc	**Activates the synthesis of proteins, carbohydrates, and lipids, phosphorus metabolism, and the synthesis of growth hormones and vitamins.** Increases heat, drought, and frost resistance.
Co	Cobalt	**Active symbiotic nitrogen fixer and carbohydrate accumulator.** Enhances respiration and photosynthesis intensity, promotes chlorophyll formation, and reduces its breakdown at night. Increases the overall water content in plants, especially during drought.
Mo	Molybdenum	**Nitrogen fixation and renewal of nitrites in plant cells.** Increases photosynthesis intensity. Involved in the synthesis of vitamins and nucleic acids. Increases the content of carbohydrates, carotene, ascorbic acid, protein substances, and chlorophyll.
SiO_2	Silicon	Anti-stress effect and improved plant immunity; optimal use of moisture.
Ni	Nickel	**Activates enzymes and the plant's nitrogen supply.** Stabilizes ribosome structure. Accelerates plant growth rate and biomass accumulation.
	Succinic acid	**Growth regulator.** Stimulates the uptake of substances from the soil. A stress adaptogen: helps plants withstand stress more easily and recover faster under unfavorable conditions.
	Humic substances	**Stimulate plant metabolic processes and the uptake of beneficial substances from the soil.** Enhance resistance to climate-related stress. Promote root system growth; stimulate plant growth and development.

Amino Acids

Amino Acid	Effect
Glycine	**Plays a key role in protecting cells from the effects of dehydration** (or excess salt).
Glutamine	**Helps increase chlorophyll concentration,** improving conditions for photosynthesis.
Valine	**Helps improve fruit quality.**
Tryptophan	**Promotes the growth and strengthening of young roots,** helping plants overcome stress.
Arginine	**Promotes the development of a strong root system** in all plants.
Leucine	**Helps improve harvest quality.**




AB
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AB FERTA 2027

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The international **AB FERTA** group of companies is the exclusive manufacturer of all **AB Ferta, E.K.O. Stim, and Dobry-2005** branded fertilizers.

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