

Catalogue of biologicals for **ANIMAL HUSBANDRY**





BTU CENTER IN AGRICULTURE SECTOR MEANS:

- ✔ One of the **25%** of the largest producers of biopreparations in the world
- ✔ **17** years in agriculture (since 2005)
- ✔ **4** million hectares of arable land - the area where the company's biopreparations are used annually
- ✔ More than **67** registered products: PK-mobilizers, biostimulants, inoculants, mycorrhizal preparations, destructors, bioadhesives, biopreparations for protection (biofungicides and bioinsecticides) and nutrition, biopreparations for animal husbandry
- ✔ About **24%** of farmers from all over Ukraine use BTU-Center's biopreparations, including KERNEL, MKhP, UKRLANDFARMING, EPICENTER K, CONTINENTAL FARMERS GROUP, TAS AGRO, VITAGRO, ASTARTA-KYIV, etc.

PRODUCTION

BTU-Center has its own production facility, where innovative biological solutions have been created for 25 years. The plant has the latest biotechnology equipment from the best domestic and foreign manufacturers. We are constantly improving the production process to make it as autonomous and independent as possible, and most importantly, to respond quickly to market needs and provide Ukrainian and foreign farmers with microbial biologicals without interruption.

- ✔ **Production capacity** – more than **10 000** tons per year
- ✔ **4** production lines developed according to our own engineering projects
- ✔ **High-tech production process:** multi-stage system of water and air purification, preparation of nutrient medium and compliance with aseptic production conditions

- ✔ **The quality management** system of the company has been tested and meets the requirements of ISO 9001:2015
- ✔ Its own logistics park and warehouses with temperature control



3D TOUR





BIOLOGICALS FOR ANIMAL HUSBANDRY

BTU-Center's expertise in agriculture is not limited to crop production. For 7 years now, the company has had a separate consulting and research unit specializing in animal husbandry. Our experts in animal husbandry are high-level specialists who have devoted their entire professional lives to in animal husbandry issues. All recommendations are based on the results of many years of scientific and production research and our own experience.

BTU-Center offers 5 proven biological technologies for improving the health of livestock and poultry, as well as for the effective preparation of compost using biological methods:

- **COMPONAZA®** for accelerated composting and improved compost quality
- **MACERAZA®**, an enzyme feed additive
- **BIOSEVEN®**, probiotic feed additive
- **SILACPRO®**, a dry universal feed additive for the preparation of juicy feed and crushed corn
- **ORGANIC-BALANCE®** (biopreservative), liquid universal feed additive for the preparation of juicy feed and crushed corn



Biologicals for animal husbandry are certified for organic agriculture, which is confirmed by the international certificate Organic Standard (approved for use in organic agriculture in accordance with the IACB Equivalent Standard for Organic Production and Processing for Third Countries with EU Regulations No. 834/2007 and No. 889/2008).

COMPONAZA®

Product for the accelerated preparation of compost

COMPONAZA®:

- Accelerates the decomposition of organic waste and neutralizes toxic substances under the influence of detoxifying microorganisms
- Inhibits the development of pathogenic fungi and bacteria due to the action of antagonist microorganisms
- Destroys pests under the influence of high temperatures
- Allows you to get valuable organic fertilizer in 1.5-2 months using an aerator and in 8-10 weeks using a front loader



Active ingredient:

Trichoderma, Bacillus subtilis, Rodex, Azotobacter chroococcum, Enterobacter, Enterococcus faecium

Titer 1.0×10^9 CFU/cm³

RECOMMENDED APPLICATION RATES:

for composting 1 t of the mixture

Components	Quantity
Cattle manure, pig manure, chicken manure, slaughterhouse waste	0.7-0.8 t
Cereal straw or other carbon component (sawdust, fallen leaves, etc.)	0.2-0.3 t
Tap water or technical water	up to 60-70% in the mixture
Componaza	0.15-0.25 l

Guaranteed shelf life:

12 months from the date of manufacture at temperatures from 4 °C to 10 °C or 6 months at temperatures from 10 °C to 15 °C.

MACERAZA-BTU®

Enzyme feed additive

MACERAZA-BTU®:

- Compensates for the lack of enzymes in the body of livestock and poultry that can hydrolyze plant polysaccharides
- Promotes the breakdown of intercellular structures of plant feedstock and, as a result, the release of nutrients from plant feed and their better absorption
- Improves the growth, development, productivity, livestock preservation and feed conversion of all types of farm animals and poultry
- Increases weight gain during fattening



Active ingredient:

1 g contains the active ingredient: pectate trans-eliminase (pectin lyase) – at least 5000 ± 500 units.

RECOMMENDED APPLICATION RATES:

The feed additive is mixed with feed at the rate of 0.2 kg per 1 ton. Application rates of the product for animals of different ages are the same.



Guaranteed shelf life:

In a dry, dark place at a temperature from 0 °C to 25 °C for 3 years from the date of manufacture.

BIOSEVEN®

Probiotic feed additive for veterinary use for animals and poultry

BIOSEVEN®:

- Normalizes the composition and physiological functions of the microflora of the gastrointestinal tract of livestock and poultry
- Provides antagonism to pathogenic microorganisms
- Forms normal intestinal microflora in newborn animals
- Normalizes metabolism
- Shows preventive effectiveness in case of pathology of the digestive tract
- It has immunomodulatory and anti-stress activity
- It has hepatoprotective properties



Active ingredient:

Lactobacillus acidophilus, *Lactobacillus plantarum*, *Lactobacillus delbrueckii* sub sp, *Bulgaricus*, *Lactobacillus fermentum*, *Lactobacillus rhamnosus*, *Bifidobacterium bifidum*, *Enterococcus faecium*

Titer - 1×10^{10} CFU/kg

RECOMMENDED APPLICATION RATES:

Animal species	Treatment method	Dosage/day (depending on the age of the animals)	Group treatment
Cattle	Calves	2-8 g/head	-
	Cows, bulls	12-25 g/head	
Pigs	Piglets	1.5-2.0 g/head	2.5 kg/t feed
	Sows, boars	0.1 g/kg body weight	3 kg/t feed
Poultry	Egg-laying poultry	0.1-0.3 g/kg of body weight	1-2 kg/t feed
	Broilers		
Rabbits	All age groups	0.1-0.2 g/kg of body weight	-

Guaranteed shelf life:

12 months from the date of manufacture at a temperature from 2 °C to 12 °C.

SILACPRO®

Complex additive for silage and forage quality improvement

SILACPRO®:

- Improves the quality of silage processes of corn, cereals, legumes, cereal-legumes and other crops
- Inhibits the reproduction and growth of yeast and mold fungi
- Significantly improves aerobic stability of silage and feed digestibility
- Increases the shelf life of silage in storage up to 2-3 years
- Reduces the loss of dry matter and biologically active substances
- Promotes the accumulation of lactic acid, preservation of protein and carotene
- Reduces the content of unwanted microorganisms



Active ingredient:

A mixture of homofermentative lactic acid bacteria: *Lactobacillus plantarum*, *Enterococcus faecium*, *Pediococcus pentosaceus*, *Propionibacterium schermanii*

Excipients:

- whey powder - not less than 40%
- sucrose - not less than 40%
- sodium aluminosilicate - not less than 10%

Titer 1.0×10^{10} CFU/g

Mass to be preserved	Application rate, g/t
Green mass of corn	4-6
Legumes, cereal-legume mixtures	6-8
Crushed corn grain,	10-12
grain mixtures with moisture content of 24-36%	10-12

Guaranteed shelf life:

2 years from the date of manufacture at a temperature not higher than 18 °C.

ORGANIC-BALANCE®

Product for ensiling of green silage, haylage and grain mixtures

ORGANIC-BALANCE®:

- Promotes the increase of indicators that improve the quality of feed, namely:
 - Preservation of forage units;
 - Fiber and protein content in the finished feed;
 - Digestible protein;
 - Dry matter and carotene.
- Inhibits the development of pathogenic microflora, in particular, butyric and acetic acid bacteria;
- Enriches the feed with vitamins of group B (B2, B6, B12), C, A;
- Promotes the preservation of nutrients in the feed and reduces the cost of feeding animals;
- Limits the formation of butyric acid.



Active ingredient:

Live cells of lactic acid bacteria and lactic acid - the product of their vital activity.

RECOMMENDED APPLICATION RATES:

The type of mass to be silage	Per 1 ton of raw materials biopreservative, ml
Perennial and annual grasses (moisture content 60-70%), green corn stover	8-10
Legumes, cereal-legume mixtures with coarse stem residues of crop production (straw, sunflower heads, etc.) with low moisture content	10-12
Pulp with ground corn kernels (moisture content over 70%)	15-20

Guaranteed shelf life:

3 months at a temperature from 4 °C to 10 °C.

NOTES



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