



## ZOE Agro Farm - prebiotic, probiotic and postbiotic nutritional supplement for animals

- Reducing feed costs;
- Decrease in veterinary costs;
- Improving the health and productivity of animals;
- Improving the palatability of meat and the condition of the coat and skin.

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## Who we are?

ProbiOducts is a manufacturing and scientific enterprise in Russia with a strong team of cell biologists.

- We produce ZOE probiotic concentrates for the health and wellness of our loved ones

And also:

- Organic microbiological fertilizers ZOE - Agro Flora;
- Microbiological additives to animal feed - ZOE Agro Farm.

We have production, experience, products and technologies.

**proBiOducts**

# Main product - ZOE Food Probiotic Concentrates

*30Э (ZOE) – from ancient-greek Ζωή that means Life*

Probiotic concentrates based on plant raw materials for public health 7 in 1:

- Living probiotic bacteria;
- Prebiotics (food for bacteria);
- Postbiotics (metabiotics);
- Natural absorbents, chelators and detoxifying agents;
- Digestive enzymes;
- Minerals in bio-available form;
- Antioxidants and bactericides

In a balanced natural system.







## Competencies and capabilities of PROBIODUTS

- Research team of cell biologists from the current employees of the Institute of Cytology of the Russian Academy of Sciences;
- Application for an international patent, including as a feed additive in the field of animal husbandry: "Probiotic composition based on plant raw materials and a method for its production";
- Production in the Leningrad region of the Russian Federation;
- Products that have no analogues on the market;
- Competitive advantage - know-how of production and algorithms of impact on the human and animal organism.



# Known benefit ingredient ZOE for horses in science literature

***“Potential use of prebiotics and probiotics to create greater stability in the equine microbiome impacts not only the digestibility of feed but also the health of the horse [1]”***

1. Coverdale JA. HORSE SPECIES SYMPOSIUM: **Can the microbiome of the horse be altered to improve digestion?** J Anim Sci. 2016 Jun;94(6):2275-81. doi: 10.2527/jas.2015-0056. PMID: 27285904
2. Harlow BE, Lawrence LM, Hayes SH, Crum A, Flythe MD. **Exogenous lactobacilli mitigate microbial changes associated with grain fermentation (corn, oats, and wheat) by equine fecal microflora ex vivo.** PLoS One. 2017; 12.3: e0174059.. <https://doi.org/10.1371/journal.pone.0174059> PMID: 27128793
3. Swyers KL, Burk A, Hartsock T, Ungerfeld E, Shelton J. **Effects of direct-fed microbial supplementation on digestibility and fermentation end-products in horses fed low-and high-starch concentrates.** J Anim Sci. 2008; 86: 2596±2608. <https://doi.org/10.2527/jas.2007-0608> PMID: 18407981
4. Masami et al. **Lactobacillus equi sp. nov., a predominant intestinal Lactobacillus species of the horse isolated from faeces of healthy horses,** PMID: 11837305 DOI: 10.1099/00207713-52-1-211
5. Hidetoshi Morita et al. **Lactobacillus equicursoris sp. nov., isolated from the faeces of a thoroughbred racehorse** PMID: 19648335 DOI: 10.1099/ijs.0.009290-0
6. Anne Kauter et al. **The gut microbiome of horses: current research on equine enteral microbiota and future perspectives** PMID: 33499951 PMCID: PMC7807895 DOI: 10.1186/s42523-019-0013-3



# ZOE Agro Farm more than pre- and pro- biotic

Concentrate ZOE Agro Farm - probiotic fermented oat bran, enriched with useful substances.

Natural balance of 7 active agents in one system:

Live probiotic  
microorganisms

Prebiotics

Bacteriocins

Peptides and  
amino-acids

Hydrolytic  
Enzymes

Full spectrum of  
essential  
microminerals

Antioxidants  
and detoxifies

# Active probiotic microorganisms

- Safe and beneficial for humans and animals;
- Increase the protein mass in the feed;
- Improves the digestion processes of the animal;
- The spectrum of beneficial metabolites is wider than that of yeast \*
- The product has already accumulated useful bacterial metabolites - enzymes, short-chain fatty acids, antioxidants, detoxifying agents

# How to use?

## Use cases


safe for humans

Add 1 in 100  
by weight of  
soaked feed


Use as a  
starter for  
silage






A large orange circle on the left side of the slide, partially cut off by the edge.

Reducing feed and veterinary costs, increasing the safety and productivity of animals.

- 1. Improving the palatability of meat and the condition of the coat and skin;**
  2. Strengthening the immunity of the animal;
  3. Increasing the digestibility and nutritional value of feed;
  4. Protection against intestinal infections;
  5. Acceleration of muscle mass gain;
  6. Maintaining the normal flora of the rumen and intestines;
  7. Binds, breaks down and removes toxins;
  8. Improves the digestibility and nutritional value of feed.
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- Four yellow curved lines of varying lengths and orientations, located in the bottom right corner of the slide.



During the  
growth of  
the animal

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- A decorative yellow dashed arc in the top right corner.
1. Infection protection;
  2. Reducing the risks of antibiotic use;
  3. Acceleration of muscle mass gain;
  4. Increased survival;
  5. Increasing the animal's resistance to stress;
  6. Improving the safety and productivity of animals.

# Application experience: Horse farm, Lithuania

- Restoring Appetite in Old and Sick Horses
- Restoration of the tone of a sick animal
- Improving animal immunity
- Reduced veterinary costs





## Application experience: Maine Coon cattery, Leningrad region

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- Improving the condition of the coat
- Reducing animal morbidity - reducing veterinary costs
- Increased offspring survival
- Sustainable development of offspring

*"Wool quality and immunity. Cats don't get sick now "*







# ZOE Agro flora: organic fertilizer - superconcentrate

- Contains all essential minerals, enzymes, probiotic microorganisms and a nutrient medium essential for healthy plant growth
- Qualitatively changes the nutrient medium of the soil and its bacterial activity, even with a single use
- Increases productivity and germination
- Does not burn roots and leaves
- Enrichment of depleted soil and its reuse

For organic safe ecological farming

# ZOE probioproducts - a source of health and longevity

ZOE - makes food complete,  
A healthy person,  
The animal is strong  
The world is environmentally friendly.

Company and product information  
on <https://probioproducts.info>

[ПРОБИОДУКТЫ.РФ](https://probioproducts.info)

Email: [request@probioproducts.info](mailto:request@probioproducts.info)

