

STUDY OF BIOLOGICAL FEED ADDITIVES “BATSELL” PRODUCTION COMPANY “BIONA”

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For us, as future professionals in biotechnology, it is important to know about our future job. It is therefore I chose the object of research producer feed additive, dynamic international company that leads the market biotechnology - company «Biona» (Evpatoria).

The company is looking for, the development and implementation of natural solutions Agro Industry using biotechnology. The company specializes in developing and manufacturing biological products for crop, livestock, including poultry feed under the brand «Biona» and “subsistence farming”.

The current trend to reduce the cost of lives to ckand feed safety of the replacement of animal protein to vegetable found several problems: low digestibility of proteins presence anty nutrient factors – no starch polysaccharides and improve my cotoxins in feed.

In addition, in the digestive tract of birds, pigs and young ruminants missing enzymes that break down complex polysaccharides such as celluloseno starch, hemicellulose, pentazany, β -glucans, pectins.

Introduction enzyme-probiotic preparation “Batsell” in animal feed to stimulate development cellulolytic Rumin ococcal bus, byisolating a strain of Bacillus subtilis 8130 endohlyukanaz enzyme that depolarize cellulose for the initial stages of digestion of fiber, destroying the walls of plantcells, with the release of the evaluable energy-dense carbohydrates, proteins, and fats.

Also, the drug stimulates the digestion of nutrients, when the production of enzymes in the body of animals and birds is limited. Probiotic properties of the drug can prevent many diseases caused by pathogenic microflora to form normal, utility in testinal microflora, primarily due to Lactobacillus sp., Accelerates twice the growth rate cellulosic Ruminococcus albus, which provides fiber hydrolysis is also increases the immune status.

This increases the productivity of animals and birds are reduced by 10-15% and costs by 20% the cost of feed per unit of output, improved performance playback, enhanced preservation of livestock, reduced costs of medicines and improved economic performance.

The department of biotechnology of National University of Pharmacy conducted research on biological feed additives manufacturing company «Biona».