

## **New in prophylaxis of disease of agricultural animals.**

### **BAC series products.**

Recently we started to realize that health of each of us to a large degree depends on vital activity of bacteria. Some of them are useful for bacteria and animals, other are neutral, but some cause different diseases. So far the only method of fight with pathogenic micro-organisms was disinfection – full destruction of micro-organisms on the certain territory (object) with the help of disinfecting agents. Though disinfecting agents (poisons) have impact not only on pathogenic micro flora, but also on useful micro-organisms, having unhealthy influence on human's health. Usage of poisons makes pathogenic micro flora mutate, that leads to using more and more powerful disinfectants, which need appropriate protective measures by usage. Usage of traditional methods of disinfection besides not always destroys pathogenic micro flora, causing or facilitating development of diseases of agricultural animals and poultry.

The best complex solution of problems of fight with pathogens today is offered by Nanoprotec, Ltd. Based on non-chemical agents for separating dirt there were created whole series of special agents for care for agricultural animals:

- BAC AHC (Animal House Cleaner) – meant for cleaning heavily infected by pathogenic bacteria places for keeping agricultural animals and poultry.
- BAC AHS (Animal House Stabilizer) – meant for cleaning and supporting favourable bacteriological atmosphere in the places of keeping agricultural animals and poultry. Is used after cleaning premises with preparation BAC AHC;
- BAC CTC (Cow Teat Cleaner) – is meant for processing cow teat before and after milking with the aim to prevent infectious diseases.
- BAC CFC (Cow Feet Cleaner) – is meant for processing cow feet and preventing infectious diseases.

**BAC agents contain cultures of spore forming bacteria-probiotics, which during decades of observations and experiments have not given any resistant strain. The basis of these agents is the principle of competitive replacement by them pathogenic bacteria. That is, bringing in bacteria-probiotics we deprive pathogenic flora sources of food and cause bacteriostasis and following destruction of pathogens.**

Usage of these agents lets fully solve all problems connected with disinfection, exclude usage of antibiotics as prophylaxis agents. By-effect (not less important) by using the above mentioned preparations is disappearance of unpleasant odours, which accompany premises for keeping animals and reducing percentage of humidity.

BAC products let:

- raise economical efficiency of stock-breeding (increasing milking yield, weight gains (at the expense of improvement of common state of animals and poultry, acceleration of premises turnover (lack of long-term procedures of traditional disinfection, economy on the expense of medicine, decrease of cattle-plague);

- ensure ecological cleanness of receivable production (lack of antibiotics and „injuring” disinfection);
- observe ecological situation in the plant (lack of odour, insects, care for health of employees, and as a result, care for nation’s health).

All these effects are experimentally approved in agricultural enterprises in Russian Federation and in states of Western Europe. You can get acquainted with the results of experiments at official BAC products representative in the territory of Republic Belarus – „Bikrask”, Ltd by phones +375-29 751-25-51 and +375-29 115-98-93. At the moment „Bikrask”, Ltd runs manufacturing experiments of BAC products in Belarus, at the moment there are first positive results: after processing poultry houses in two household in Minsk district with preparation BAC AHC (Animal House Cleaner) bacteria E.colli, Salmonella, Staphylococcus in experimental samples were not found, though concentration of pathogens before processing was 40 to 100%. And it is only after once-only use!

One more undoubted plus of BAC products – they are extremely easy in use, do not require special conditions for keeping, do not require additional personnel training. By using BAC products with pathogenic micro-organisms with minimal investment appreciable economical effect is achieved. Consumer and state want to have as cheap and ecologically clean as possible production, which means future is for intensive ecologically clean agricultural production. The future is for BAC (Bacterial Active Concentrate!) product implementation. Let us work together, help ourselves and our children! Let us leave them clean and healthy world!

Contact phones:

(+375 29) 751-25-51, 115-98-93.

A.E.Kirienkov

A.E.Kirienkov, Cand.Sc (Biology)

„Bikrask”, Ltd