The role of Reasil® Humic Health feed additive in the elimination of antibiotics from the body of broilers

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The feed additive of humic acids Reasil® Humic Health, made from natural leonardite, a product of humification of ancient plants, contains more than 70 names of biologically active substances, which explains its diverse use in animal husbandry, agronomy and medicine.

Numerous experiments in the poultry industry have shown that the inclusion of Reasil® Humic Health in the composition of mixed feed for broilers of the Cobb-500 cross in the amount of 1,5 kg per 1 ton of mixed feed increases the productivity of poultry by 9,1

– 9,5 %, improves the safety of livestock and reduces the mortality of young poultry during the growing period by 1,9-5,3 %. Feeding the preparation of humic acids to laying hens of the High-line cross in the same concentration contributed to the improvement of all the main economic indicators. Scientific and production testing of the drug in the diets of turkeys from 1 to 42 days of life indicated an increase in the live weight of poultry by 20,57% and a decrease in feed costs per unit of production by 9,6 %.

The analysis of physiological experiments showed that the inclusion of the dry feed additive Reasil® Humic Health in the diet of broiler chickens in the amount of 1.5 g per 1 kg of mixed feed leads to an improvement in the digestibility of feed nutrients, increases the digestibility of nitrogenous and mineral substances, the availability of amino acids and increases the intensity of live weight gain of broilers.

It has been experimentally established that the use of a preparation of humic acids improves the anatomical and morphological characteristics of carcasses and their parts obtained from the slaughter of broiler chickens and contributes to an increase in the yields of the most valuable parts and the formation of a larger mass fraction of the edible part in comparison with the in-line cultivation technology. The organoleptic evaluation of poultry meat products that received the humic acid preparation showed that they have acceptable organoleptic characteristics that are not inferior to the control group that did not receive the additive.

The results of studying the effect of the Reasil® Humic Health feed additive on the elimination rate of the antibacterial drug "Florfenicol" and the coccidiostatic "Pulcox 40 %" from the body of broiler chickens showed that the addition of Reasil® Humic Health in a dose of 0,5 g/kg removes trimethoprim, sulfadiazine, doxycycline, oxytetracycline and gentamicin, which allows them to be sold as gherkins. The combined use of the antibiotic "Florfenicol" and the feed additive Reasil® Humic Health does not prevent the accumulation of the antibacterial drug in the muscle tissue in therapeutic concentrations, and after stopping the evaporation, the antibiotic begins to be actively excreted. Feeding Reasil® Humic Health at a dose of 1,5 and 2.0 g/kg of feed leads to an acceleration of the elimination of "Florfenicol" from muscle tissue by 4 times compared to the control