

# PHYSIOLOGICAL MONITORING OF THE RESISTANCE OF THE ORGANISM OF FATTENING BULL-CALVES FOR THE USE OF MICRONUTRIENT ADDITIVES AND THE INFLUENCE OF TECHNOLOGICAL FACTORS

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It has been proved by science and practice that the trace elements influence the regulatory systems of the animal's organism. The mechanism of their action is associated with the intensity of protein synthesis, under their influence is the regulation of enzymes, carbohydrate and fat metabolism, and the growth and development of animals is activated.

The results of our own experimental studies, as well as data from studies by other scientists, confirm that trace elements are also correctors for improving the natural resistance of animals, which is one of the crucial conditions for the preservation of animal health and improving their productivity.

The use of trace elements increases the mobilization of protective and adapted capabilities of the animal's organism to the action of negative factors, practically different in their origin.

In addition, the trace elements stimulate not only the activity of antioxidant enzymes, but also exhibit antimicrobial and antifungal effects. And this in the complex influences on the quality of products, consumption of which can be attributed to rational and preventive nutrition of people.

At the moment enough formulations of mineral feed additives for ration correction for microelements have been developed, which promotes increase of productivity and resistance of animals, improvement of quality of meat and meat products. This is also important for practical veterinary medicine, since not only treatment of diseases, but primarily support for stimulating the body's defenses is an integral part of the process, the stability of the health of farm animals and their productivity.

**Keywords:** TRACE ELEMENTS, RESISTANCE, ANTIOXIDANT PROTECTION, ENZYMES, CORRECTION.