CONTENT OF MICROELEMENTS IN FEEDS ZONE FOREST-STEPPE UKRAINE

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Nowadays, many agricultural enterprises of Ukraine, which have well-developed livestock breeding, use modern, more productive varieties of fodder crops. In this regard, it is necessary to constantly study their chemical composition, nutritional value and the actual content of microelements in them, which play an important role in the normalization of metabolic processes in the body of animals.

The article presents the obtained data on the actual content of trace elements in feeds of OJSC "Terezine" of the Bila Tserkva district of the Kyiv region, which are used in feeding high-productivity cows. A total of 432 samples of feed were tested, including 24 samples: barley and wheat straw, oat husks and alfalfa, corn silage, alfalfa hay, feed syrup, wheat germ, pea, barley and corn, soybean, sunflower oil and soybean meal, sunflower meal and soy, feed mixture and concentrate.

It should be noted that Zinc, Kuprum, Manganese, Cobalt, Iodine and Selenium are more in sunflower and soybean meal. These contents were higher than in cake and grain feeds. Most Cobalt (0.44-0.67 mg) and Iodine (0.52-0.73 mg) are found in the syringe.

It has been established that the total content of Zinc, Kuprum, Mangan, Cobalt, Iodine, and Selenium in the vast majority of investigated feeds is lower than the level specified in the detailed feeding standards of animals (1985) for the forest-steppe zone of Ukraine. In order to cover the deficit of trace elements in feeding rations, it is necessary to establish optimal doses of mixed-ligand complexes of these trace elements and to study their use in feeding high-yielding cows of different breeds in separate periods of lactation activity.

In the future, the influence of different levels of mixed-ligand complexes of trace elements in the diets of feeding high-yielding cows of individual breeds on the indicators of their productivity and reproductive function will be studied.

Keywords: FODDER, HAY, STRAW, SILAGE, HAYLAGE, DIG, CAKE, MOLASSES FEED, SHROT, TRACE ELEMENTS, MIXED-LIGAND COMPLEXES.