

Evaluation of the level of selected macroelements in blood serum of dairy cows from the southern of the Podlasie Province, receiving mineral mixture

Summary

The two-year research was carried out at 4 dairy farms with prior recognition of mineral deficiency. The aim of the research was to examine the utility of the mineral mixture Bovifosfomag[®]. The mineral mixture was adjusted in dispensing to particular biogeochemical conditions of the studied area. The influence of the mixture on the mineral metabolism has been defined on the basis of changes in the contents of Zn, Cu and Se in blood serum. The experimental mixture Bovifosfomag[®] worked out on the basis of previous research into the deficiency of microelements, caused improvement in the mineral balance of cows at all the examined farms. The addition of the mixture caused the increase of the amount of Zn, Cu and Se in blood serum.