SERUM CONCENTRATIONS OF SOME TRACE ELEMENTS AND ELECTROLYTES IN DIFFERENT CATTLE BREED

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Reference concentrations of some minerals of Holstein and Brown Swiss and effects of sex and special were determined. Twenty males and twenty females at 11-12 mounts of age grazed in the pasture of the Agricultural College Farm of Atatürk University were used for this study. The altitude of this farm is around 2000 m above sea level and climatic conditions are too harsh especially during Winter. There were no significant differences between the males and females. There were also no significant differences among in breeds regarding levels of minerals. The data given in this study can serve as reference values for Holstein and Brown Swiss cattle raised in Turkey and other countries having similar climatic and nutritional conditions.