

Influence of protein-xanthophyll concentrate of alfalfa  
(*Medicago sativa*) additive on antioxidant potential  
of turkeys' blood

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The aim of studies was to evaluate the influence of PX concentrate of alfalfa (*Medicago sativa*) additive on antioxidant potential of turkeys' blood. In a properly functioning organism, there is a balance between oxidative processes and defense mechanisms. The obtained results showed that additive of protein-xanthophyll concentrate (PX) in turkeys' diets caused an increase in total antioxidant capacity (FRAP), by 36.6% and 52% in group I and II, respectively. In turkeys of plasma, receiving PX supplement, increased content of vitamin C (approximately 70%), and copper – by 20%, and the 30% increase of glutathione content, were recorded.