

Effect of enzyme preparation on performance of ISA Brown laying hens

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Summary

The purpose of the study was to determine the effect of feed enzyme preparation with xylanase and β -glucanase on performance of laying hens. One hundred and eighty ISA Brown hens aged 20 weeks for 26 weeks were fed a mixture based on wheat and barley with Roxazyme G2 (0, 80 or 100 mg/kg feed). During the study in each group an egg production rate was above 95%. Initial and final body weight of birds was similar in each group. The best results on average egg weight ($P < 0.05$), egg mass per day (ns) and feed conversion (ns) were obtained in the group of hens receiving 80 mg/kg of enzyme preparation and the worst ones – in the control group. Roxazyme G2 had an impact on performance of laying hens.

KEY WORDS: xylanase / β -glucanase / performance of laying hens