

INFLUENCE OF ENZYME PREPARATIONS ON THE EGG QUALITY OF LAYING HENS

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Summary. Tests were carried out to determine the influence of different levels of enzyme premixes MEK-CGAP, MEK-CL, *Bio Feed Plus CT* and *Roxazyme* on the egg quality of laying hens.

The enzyme premix MEK-CGAP, different doses of MEK-CL, *Bio Feed Plus CT* and *Roxazyme* in hen diets increased the egg weight on the average by 6-9% and had a positive influence on the morphological indices of eggs. The enzyme additions in diets with an enzyme premix increased the thickness of the egg shell on the average by 10-13%. The heaviest egg shells were of the hens of the experimental group receiving *Roxazyme* additives. The above mentioned index was on the average 18,8% higher than that of the control group. MEK-CGAP and MEK-CL enzyme preparations had the highest influence on the egg shell weight.

Wide spectrum enzyme preparations enable us to replace traditional cereals (com, soy) in poultry feeds by local raw materials (rye, peas) without harming the physical and chemical properties of eggs.

Keywords: enzyme preparations, egg quality.