Table of Contents

Res. Agr. Eng.

R. Gálik, I. Karas, Z. Tkáč, J. Orság

Measurement of

exploitation parameters of the hen feeding line

Res. Agr. Eng., 52 (2006): 55-60

The paper deals with the analysis of the operation of a hen feeding line in the reproduction breeding hall at the floor stabling type combined with the deep bedding on grates. We have measured the hen feeding line operation time in accordance with STN 47 0120, the losses of the fodder spilled by hens during a single feeding and the consumption of electricity of the observed line. As a result of the failure to carry out regular technical maintenance of the line as a preventive measure against the origin of defects, a relatively low value of the productive time use coefficient (0.77) was detected. Based on the analysis of the consumption of electric power, the electric engines driving individual segments of the line were found to be correctly dimensioned. Using the monitored technology, we managed to record excessive losses of the spilled feed mixture from the chain trough. For the whole farm it represents up to 702.8 kg of feedstuff per a day. The

detected losses are very negatively projected into the economy of the production of one-day chickens. A negative and statistically highly conclusive correlation coefficient (r = –0.9230**) was recorded between the chickens age and the losses of feed.

Keywords:

feed losses; economy of chicken production; technical maintenance; consumption of electricity

[fulltext]