

Effect of diet containing fish meal on physicochemical and organoleptical properties of fatteners meat

S u m m a r y

The aim of the study was to estimate the influence of the fish meal additive to feed in the whole fattening period on physicochemical and sensory traits of meat. The investigations were carried out on 160 fatteners divided into 2 groups: control (fed industrial mixture based only on a plant protein) and experimental (fed industrial mixture with the fish meal). Fattening was divided into 3 periods. After slaughter of 20 animals from each group, the detailed evaluation of slaughter product was carried out. The meat quality was estimated on the basis of measurements of: dry matter, water, intramuscular fat, protein, WHC, meat colour ($L^*a^*b^*$), pH₄₅, pH₂₄, LF₃. Additionally, a sensory estimation of meat and fat in 5 points Tillgner scale was performed. According to the obtained results it seems that it is possible to use the additive of fish meal till the end of fattening period without any concern of decreasing the slaughter product quality. The experimental feed in the last period of fattening (Finisher) contained 6% of fish meal.