

Influence of administering green fodder from Red canna for laying hens on the intensity of colour of the egg yolk

Joanna Sobczak, Przemysław Marek

Summary

The aim of research was to determine the influence of green fodder of Red canna (*Canna x generalis*) on the intensity of colour of yolks of food eggs. The research was conducted in 2 experimental groups of laying hens of the commercial type for the period of 6 months. Red canna was used as the biofilter in the purification process of air removed from the henhouse. Hens consumed green fodder of Red canna very willingly. Any health and production negative effects were not found. Based on the achieved results it was stated that administration of green fodder had a significant effect on the intensity of colour of yolks of food eggs. There was also estimated the minimum dose of green fodder, equal to 10 g/hen/ day, guaranteeing two points of increase in intensity of the colour of yolks in La Roche scale.

KEY WORDS: yolk colour intensity / La Roche scale / feed additives / *Canna x generalis*