

THE EFFICIENCY OF ARTIFICIAL INSEMINATION AND SOME FACTORS AFFECTING THE RESULTS OF INCUBATING CAY CUM CHICKEN

Duong Thi Khuyen, Tran Van Phung, Bui Thi Thom
Summary

Cay Cum is a native of chicken breeds that are raised in the households of the upland ethnic minority in the northern mountainous region. This is a chicken breed to have a special anatomical structure with no Person's nose. Because of the tail feathers often go down to cover the asshole of the hen, therefore, the cocks are difficult to mate naturally to lead into the low embryo and hatching rates. The research was carried out to evaluate the semen quality and the effect of some factors on semen quality and incubating results. 150 Cay Cum hens were used in this study, to evaluate the efficiency of artificial insemination and determine the factor affecting the age of cocks, frequency of semen collection and the diluent rate of semen to the results of incubating Cay Cum chicken. Indicators assess the results of incubating including the embryo and hatching rate, the 1st chicks rate. The results of this study showed the artificial insemination lead into the embryo, the hatching rate, and the 1st chicks rate is higher than mate naturally, one after another is 16.12; 17.41 and 18.97%. The best result for insemination from semen of cocks from 8 to 18 age month, after that start decreasing and decline over 24 age months. The frequency of semen collection 3 days/time and 2 days/time showed the result of incubating is better than 1 day/time; the diluent rate of semen 1/0.5 and 1/1 had the result higher than 1/2 rate.

Key words: Cay Cum, Age of Cocks, AI, Frequency of Semen Collection, Dilution rate of semen.