EFFECT OF SPRAYING HATCHING EGGS BY DIFFERENT LEVELS OF VINEGAR ON EMBRYOLOGICAL DEVELOPMENT, HATCHABILITY AND PHYSIOLOGICAL PERFORMANCE OF DANDARWI CHICKS.

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Abstract:

ABSTRACT: The aim of this experiment was to evaluate the effects of spraying fertile eggs of Dandarawi chicken local strain with natural white vinegar solution (NWVS) on embryonic development, physiological parameters, hatchability, post-hatch chick growth and bacterial quantity on eggshell surface. Four hundred and fifty hatching eggs of Dandarawi chicken local strain were randomly distributed into five groups of 90 eggs each. Eggs of the 1st group were served as a control (non-treated eggs). The 2nd group was sprayed with water as a vehicle (positive control). Eggs of the 3rd, 4th and 5th groups were sprayed with three concentrations of vinegar: 1.25, 2.5 and 5%, respectively. Results showed that embryo weight, embryonic and shank lengths as well as, chick body weight, chick and shank lengths and hatchability tended to be significantly higher (P

Keywords:

white vinegar - chicken eggs - embryonic development - blood constituents

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