

COMPARISON OF PRODUCTIVE PERFORMANCE OF FAWBRO , LOHMANN AND HUBBARD BROILER BREEDER FLOCKS IN IRAQ

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Abstract

This experiment was conducted to compare the productive performance of three hybrids Fawbro , Lohmann and Hubbard broiler breeder in Iraq , using 18000 hens for each hybrid flock . Birds in each flock were divided into four groups (4500 hens / group) and housed in four production houses . Hen-day egg production (%) , hatchability and mortality in breeder flocks were measured from sexual maturity to 61 weeks of age and the complete record divided into three partial records as follow ; first partial record from the sexual maturity to 35 weeks of age , the second record (36 – 48 weeks of age) and the third record (49 – 61 weeks of age) . The correlation coefficients were estimated among records and among production traits . The results indicated that there were highly significant effects of genotypes , records and the genotype × record interactions on all traits except the effect of records on mortality . The Hen-day egg production of Lohmann (57.24 %) was significantly lower than Fawbro and Hubbard which were 60.35 % and 59.82 % for the two hybrids, was highly (% ٨٦.١٥) respectively . However, the hatchability of Fawbro eggs significant than the other hybrids which were 82.79 % and 80.79 % , for Lohmann and Hubbard, respectively . Correlation coefficients between age and each of egg production and hatchability were negative and highly significant in Fawbro and Hubbard flocks, while the correlation coefficients between egg production and hatchability were positive and highly significant in all hybrid flocks . Correlation coefficients between the first partial record and complete record was positive and significant for egg production indicating the possibility of using first partial record for early evaluation for this trait in these hybrids.

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