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**Abstract**

The study was conducted with three different genotypes of aseel and nacked neck cross breed chicken, these were F1 (50% aseel gene), F2 (75% aseel gene), F3 (87.5% aseel gene) and three different rearing systems included scavenging (without feed supplement), semi scavenging (with additional feed supplement), confinement (with full feeding) to assess growth performance under management of households in a village under Panitola upazilla of Naogaon district. The average body weight gain was compared within the different genotypes and rearing systems at 2 months of age. Among the genotypes the highest average body weight was obtained in the F3 generation (404±49 )gm at 2 months of age and the lowest average body weight found in F2 generation (338.38±42)gm at the same age. On the other hand within the rearing systems the highest average body weight gain was found in the confinement rearing system with full feeding (464± 89)gm at 2 months of age and the lowest average body weight was found in the scavenging rearing system without additional feed supplement (347.13± 52)gm at the same age. It reveals that upgraded chicken with aseel male in confinement rearing system with full feeding may be beneficial in terms of meat production (Body weight gain).

***Key words***: Cross breed, Aseel, Nacked neck, Genotype, Rearing system, Body weight.