

## Evaluation of Broiler Parent Breeds under Libyan Conditions

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**Abstract :** The use of commercial poultry breeds in Libya may result in large economic losses because genotypes selected in temperate climates may respond differently to other climate conditions and management. Therefore three commercial breeds (Hypeco, Avian, and Shaver) were evaluated in two regions. The data were obtained from weekly records of three parental flocks for each breed at Ghout El-sultan and Tawargha region. Feed Hen Housed (FHH), Hen Housed Egg Production (HHEP) Mortality % were the studied traits. Statistical model include location, year, month, age and breed. Hypeco produced more HHEP 68.6 with Less FHH 22.9 kg but with higher mortality 8.5 % than Avian and shaver breeds. The breeds exhibited different responses to the different months in Libya. In conclusion, the differences, which exhibited between the breeds in traits studied, indicate that genotype x environment must be considered when select breed to perform under Libyan conditions.

**Keywords :** hypeco avian shaver, feed hen housed, hen housed egg production, mortality, Libya

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