

# Genetic study on reproductive traits in crossbred pigs

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Genetic and non-genetic factors on reproductive performances of half-bred and  $\frac{3}{4}$  Large White Yorkshire-*desi* crossbred pigs in India

## Abstract

Data on 433 farrowings belonging to half-bred and  $\frac{3}{4}$  Large White Yorkshire-*desi* crossbred pigs maintained at Tirupati, India were subjected to least squares analysis to study the effect of genetic and non-genetic factors.

Significant effect of period and season of birth was observed on gestation period, litter size and litter weight at birth and weaning (8 weeks). The least squares mean gestation period was  $111.49 + 0.34$  days. Mean litter sizes were  $6.78 + 0.11$  at birth and  $6.22 + 0.11$  at weaning while the corresponding mean litter weights were  $7.53 + 0.12$  and  $60.77 + 1.00$  kg at weaning. Sows farrowing during rainy season had larger and heavier litters than those farrowing in other seasons.

**Keywords:**

Gestation period, litter size, litter weight

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