



RESEARCH ARTICLE :

Effect of non-genetic factors on production traits in Deoni cows

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SUMMARY : The research was conducted to evaluate the effect of non - genetic factors on production traits in Deoni cattle. Data representing 171 Deoni cows from 171 total records of lactation over a 40 years period were analysed to determine the effect of age at first calving, season of calving and period of calving on production traits. The overall least squares means of lactation milk yield, peak milk yield, days to reach peak milk yield, lactation period and dry period were 245.92 ± 36.78 , 2.89 ± 0.15 , 39.54 ± 1.43 , 222.97 ± 14.10 and 232.07 ± 31.75 , respectively. In Deoni cows Age at first calving, season of calving and period of calving had significant effect on LMY, PMY and LP. period of calving and season of calving had significant influence on DP. Period of calving had significant ($P < 0.01$) effect on DRPMY.

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