



Genetic and phenotypic correlation among milk production traits of Gir triple cross cows

M.N. PATOND AND U.Y. BHOITE

ABSTRACT : The genetic correlation of LMY with 300DMY, PY and DAPY was significant ($P < 0.01$) and positive (0.880, 0.939, 0.671), respectively. The genetic correlation of 300DMY with PY and DAPY was positive and significant ($P < 0.01$) (0.863 and 0.843), respectively. The genetic correlation between PY and DAPY was (0.594) significant ($P < 0.01$). The genetic correlation of LL with LMY, 300DMY, PY and DAPY was negative and significant ($P < 0.01$) -0.388, -0.452, -0.693 and -0.411, respectively. The phenotypic correlation of LMY with 300 DMY, PY and DAPY were positive and significant ($P < 0.01$) 0.340, 0.430 and 0.242, respectively. The phenotypic correlation between LMY and LL was non-significant (0.007). The phenotypic correlation of 300 DMY with PY and DAPY were highly significant (0.288 and 0.202), respectively. The phenotypic correlation of LL with 300 DMY and PY was (0.063 and -0.101) significant ($P < 0.05$). The phenotypic correlation between LL and DAPY was negative and non-significant (-0.054). The phenotypic correlation between PY and DAPY was (0.202) positive and significant ($P < 0.01$).

KEY WORDS : Genetic correlation, Phenotypic correlation, Milk production traits, Gir triple cross cows

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