



RESEARCH ARTICLE.....

Determination of bacterial quality of raw buffalo milk as influenced by different milking time

U.K. Shukla and Devendra Yadav

ABSTRACT.....A comparative study of bacterial qualities of raw milk of buffalo was conducted at Chitrakoot–Satna (M.P.) during March to May 2018. The objective was to find out the determination bacterial quality of raw milk of buffalo. All sanitary precautions were followed to produce clean milk. The samples of raw milk of three animals each were replicated ten times and tested to determine the standard plate count/ml (SPC) (10^4), lactic acid bacterial count/ml (LABC) (10^3), lipolytic bacterial count/ml (LBC) (10^2), proteolytic bacterial count/ml (PBC) (10^2) and coliform count in the raw milk. The data obtained for the aforesaid tests were subjected to statistical analysis. In view of the findings and results presented above, it may be concluded that the raw milk of buffalo at milking time m_1 (morning) was found best in terms of minimum standard plate count/ml (spc) (10^4), lactic acid bacterial count/ml (labc) (10^3), lipolytic bacterial count/ml (lbc) (10^2), proteolytic bacteria count/ml (pbc) (10^2) and absence of coliform. The maximum was recorded in m_2 (noon) followed by m_3 (evening).

KEY WORDS..... Raw milk, Bacterial quality, Buffalo

HOW TO CITE THIS ARTICLE - Shukla, U.K. and Yadav, Devendra (2018). Determination of bacterial quality of raw buffalo milk as influenced by different milking time. *Asian J. Animal Sci.*, **13**(2): 41-49. DOI : 10.15740/HAS/TAJAS/13.2/41-49. Copyright@2018: HindAgri-Horticultural Society.

ARTICLE CHRONICLE - Received : 26.09.2018; Revised : 02.11.2018; Accepted : 13.11.2018

Author for Corresponding -

U.K. Shukla

Department of N.R.M.,
Livestock Production and
Management, Faculty of
Agriculture, Mahatma Gandhi
Chitrakoot Gramodaya
Vishwavidyalaya, Chitrakoot,
Satna (M.P.) India
Email: Umeshdr_2006@
rediffmail.com