



Milk production function and resource use efficiency in rural and urban area of district Bulandshahr of Western U.P.

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Abstract : Study was conducted to find out the input-output relationship and assess the resource use efficiency in milk production in different categories of rural and urban milk producers in Bulandshahr district of western U.P. The data pertaining to milk yield and value of milk, quantity of dry fodder, green fodder and concentrate fed to each milch animal along with price were collected from a total 140 household (70 rural and 70 urban families) selected on the basis of probability proportionate random sampling technique by personal interview method with the help of pre-tested schedule. Linear and Cobb-Douglas production functions were applied. The functional analysis indicates that the functional analysis indicates that the significant co-efficient of concentrates showed a significant impact on milk yield in all categories of rural and urban milk producers. Further, the regression co-efficient of green fodder was found significant in rural and urban milk producer which shows further scope to increase milk production through green fodder in both categories. The regression co-efficient of dry fodder was not found significant in any category of rural and urban milk producers. The marginal value productivity of concentrate was significantly higher than its price in milk production in case of rural and urban milk producers. It indicates that the concentrates was not used at optimal level by milk producers and there is much scope for increasing net returns from milk production by increasing the more use of concentrates.

Key words : Concentrate, Dry fodder, Green fodder, Resource use efficiency, Rural, Marginal value of productivity (MVP), Urban

How to cite this paper : Kumar, Yogendra and Shukla, Sanjay Kumar (2017). Milk production function and resource use efficiency in rural and urban area of district Bulandshahr of Western U.P. *Vet. Sci. Res. J.*, 8(1&2) : 31-37, DOI : 10.15740/HAS/VSRJ/8.1and2/31-37.

Paper History : Received : 20.02.2017; Revised : 05.09.2017; Accepted : 20.09.2017