Bioved, **23**(1) : 23–27, 2012

Effect of supplementing yeast culture on the performance of lactating cows

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Received October 25, 2011 and Accepted January 11, 2012

ABSTRACT : Studies on the effect of supplementing yeast culture on the performance of lactating cows' were carried out at Livestock Instructional Farm, Department of Animal Husbandry and Dairying, Akola during 2010-11. The study had Randomized Block Design. Sixteen lactating cows were selected on the basis of parity and divided into four groups (four animals in each groups). Treatment groups T_1, T_2, T_3 and T_4 were fed with TMR of Yashwant grass, Jaywant grass @ 15kg Jowar straw, silage and Conc. (Sugras). In addition, treatment groups T_2, T_3 and T_4 were fed with 10g, 15g and 20g, respectively. During six weeks period of yeast culture feeding, milk production and fat of lactating cows were improved gradually. There was significant difference between four treatment groups for both values. Furthermore, total amount of fat, protein, Solid not fat in treatment group T_2, T_3 and T_4 were significantly increased in comparison with those of control group T_1. The data suggested that yeast culture containing 20 g preparation was proved significant than other treatment groups. Effect of yeast culture stated reflecting in milk production and composition even during first weeks of supplementation, but marked in increase occurred from fourth onwards. In addition, Rs**.** 0.28 required for yeast culture feeding /animal/day. However, utility of yeast culture feeding depends on its relative prices, its combination, and level of milk production of cow.

Key Words : Yeast culture, jowar straw, silage, sugras, cow milk, fat, protein.