



## Effect of Mineral Supplementation on Production Status of Buffaloes Fed on Forage Based Diet

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**Abstract:** Mineral mixture supplementation to animals was given and its effect on problems of anoestrous, repeat breeding and vaginal prolapse was studied for three years under field conditions. Selected animals were subsequently given three treatments viz. Control, T1 and T2. Control group was fed for 2 months as per the farmers practice i.e green fodder and rice bran/ mustard seed cake/ cereal grains. The animals that did not respond to control treatment were treated with T1 for another 2 months in which animals were fed with green fodder and concentrate mixture but without mineral mixture (T1). The animals that did not respond to T1 were treated with T2, in which T1 was supplemented with mineral mixture and iodized salt, again for two months (T2). Mean of 3 years data indicated that in T1, 7.6% animals responded positively to anoestrous and 17% to repeat breeding. But under T2 treatment, 2 out of 9 animals responded positively to prolapse while 74% and 61% animals recovered from problems of anoestrous and repeat breeding. In case of milk yield and milk fat also, T2 was significantly better than T1 and control while T1 and control were statistically at par. Under T2 the profit earned by selling the milk was significantly greater than T1 and control.

**Key Words:** Anoestrous, Milk fat, Milk yield, Mineral mixture, Prolapse, Repeat breeding

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