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Relationship of mineral and vitamin supplementation with mastitis

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Abstract

Fifty lactating buffaloes were divided into five groups viz. four treated and one control group. The treated groups received Ashwagandha, Vitamin E, Selenium, Copper and Zinc in different combinations. Animals of group IV (provided with 50 gm of Ashwagandha and 500 IU Vitamin E, 800 mg zinc methionine, 250 mg copper sulphate and 5 mg of selenium) showed highest recovery (80.00%) with an average post treatment CMT score point 1.53 ± 0.75 , as compared to rest of the treated groups. Supplementation of trace minerals is only required at low levels to improve immune functions such as decreasing the incidence of mastitis.

Keywords: Mastitis, CMT, Buffalo, Ashwagandha, Trace Minerals, Vitamin E.