

Diurnal excretion rates of chromic oxide and nutrient utilization by conventional and indicator techniques in buffalo

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ABSTRACT : Six Murrah buffaloes with an average body weight of 375.16 kg were randomly selected for organic matter digestibility by chromic oxide and conventional techniques. The observations were recorded at 2,4,6,8,10,12 and 24 hours of intervals after feeding. The total recovery of Cr_2O_3 during 24 hours was 90.85%. The digestibility of organic constituents increased significantly ($P<0.01$) at 8th and 10th hours of faecal examination as compared to 2nd and 24th hours of collections. The digestibility of organic matter was at par in both the methods.

Key Words: Digestibility, indicator method, buffalo.