



Studies on linear body measurement of Marathwadi buffalo on field scale

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ABSTRACT: The study was conducted in Osmanabad district of Marathwada region in Maharashtra. Data were collected on 1013 Marathwadi buffalo animals of different age groups where 990 were female buffalo and 23 were breeding bull. The linear body measurement and body weight of buffalo in five age groups (0-3, 4-12, 12-24, 24-36 and above 36 months) were recorded. The LSM of chest girth of five age groups of female buffalo were 78.31 ± 0.46 , 99.28 ± 0.71 , 134.58 ± 1.02 , 162.32 ± 1.05 and 177.69 ± 0.42 and that of breeding bull were noted as 180.49 ± 1.23 cm. The LSM of body length of five age groups of female buffalo were 65.68 ± 0.43 , 78.50 ± 0.49 , 103.90 ± 0.72 , 118.39 ± 0.55 and 124.02 ± 0.17 and that of breeding bull were noted as 128.02 ± 0.97 cm. The LSM of height at wither of five age groups of female buffalo were 76.15 ± 0.47 , 85.98 ± 0.42 , 107.65 ± 0.58 , 119.29 ± 0.52 and 123.43 ± 0.16 and that of breeding bull were noted as 129.65 ± 0.43 cm. The LSM of body weight of five age groups of female buffalo were as 37.43 ± 0.66 , 72.63 ± 1.53 , 175.24 ± 3.79 , 289.10 ± 4.66 and 361.68 ± 1.96 and that of breeding bull were noted as 384.22 ± 7.26 cm.

KEY WORDS : Marathwadi , Buffalo, Measurement, Linear body weight

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