EFFECT OF ZERANOL IMPLANTATION ON DAILY GAIN AND CARCASS QUALITY OF BUFFALO BULLS

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Abstract:

Six buffalo bulls with an average body weight 311.3 ± 0.74 kg were used in the experiment. Bulls were divided randomly into two groups (3 bulls each) according to their live body weight. The first group was served as a control whereas bulls of the second one were implanted with zeranol (36 mg) three times at 0, 75 and 150 d at the base of the left ear. Bulls were weighed every two weeks and slaughtered 150 days after the last implantation. The overall slaughter body weight mean was 503.33 ± 9.54 kg at 300 d. Average body weights at 75 d, the control and zeranol groups were not differed but at 150 and 225 d the zeranol group was highly differed and not significantly than control group by 0.38 % and 4.7 %, respectively. The treated group had higher total daily gain at the end of fattening period by 14.9 % than the control group. Daily gain at 75, 150 and 225 d of treated group, increased by 5.52 %, 16.49 % and 17.87 % than the control group, respectively. Averages daily gain at different periods of implantation, from 1 to 75 d they were nearly equal. Treated group had 0.852 ± 0.076 vs. 0.822 ± 0.108 kg at 75 d to 150 d and 0.669 ± 0.039 vs. 0.407 ± 0.056 kg at 150 to 225 d periods with significant (P

Keywords:

Buffalo bulls, zeranol, daily gain, carcass

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