

ABSTRACT FORM
WESTERN SECTION - ASAS

201

Utah State University, July 28-31, 1987

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EXAMPLE OF ABSTRACT HEADING AND ABSTRACT

Fertility of beef females following controlled estrus cycles and ovulation. A. A. Zaid*, W. D. Humphrey, C. C. Kaltenbach, and T. G. Dunn, University of Wyoming, Laramie.

Pregnancy rates (PR) following two progestogen implant periods and breeding at either controlled ovulation or 12 hr after synchronized estrus were compared.

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List key words at end of abstract inside blue lines

ABSTRACT AND ABSTRACT HEADING (see example)

Comparison of Amaferm (*Aspergillus oryzae* culture) and Monensin using a starter ration on weanling calves. D.D. Thome*, J.M. Roberts, F.W. Fox, J.W. Algeo, Cal Poly State University, San Luis Obispo, CA.

Three trials utilizing newly weaned English crossbred steers (Trials 1 and 3, 77 and 79 head respectively) and English/Brahma cross steers (Trial 2, 70 head) were conducted with the calves randomly allotted to treatment groups based on weight. In addition, Trial 3 calves (4 different points of origin) were allotted based on origin. For the first five days of each trial cattle were fed alfalfa and barley hay in the long form top dressed with the starter ration. Calves then graduated to just the starter ration. Trials 1 and 2 lasted 28 days and compared 5 treatment groups: I-Control, II-Amaferm(6gm/hd)+Monensin(33mg/kg), III-Amaferm(9gm/hd)+Monensin(33mg/kg), IV-Amaferm(6gm/hd), V-Amaferm(9gm/hd). Results of Trial 1 and 2 were not significantly different ($P < .05$), therefore, these data were combined. Average daily gains (ADG) recorded were: 1.51, 1.58, 1.55, 1.53, and 1.49kg; feed intake: 8.03, 7.61, 7.19, 8.07, and 7.89kg; feed efficiencies (FE): 5.39, 4.81, 4.65, 5.28, and 5.29kg for treatments I thru V, respectively. Trial 3 compared 4 treatment groups: I-Control, II and III-same as Trials 1 and 2 group II, IV-Monensin(33mg/kg), and V-Amaferm(6gm/hd). The data for Trial 3 (56 days) were inconsistent with that of Trials 1 and 2. ADG recorded were: 1.02, 1.00, 1.05, 1.07, and 1.09kg; feed intake: 8.71, 8.07, 8.31, 8.51, and 8.86kg; FE: 8.54, 3.07, 7.91, 7.95, and 8.13kg for treatments I thru V, respectively. While some positive trends were shown in these trials, statistically significant differences were not apparent by analysis of variance ($P < .05$).

WORDS: Amaferm, Weanling steer calves, Average daily gain, Feed Efficiency, Feed intake.

Follow enclosed instructions in preparing abstracts. Abstracts must be received by March 31, 1987. Mail this form and five copies to Norris J. Stenquist, Department of Animal, Dairy & Veterinary Science, Utah State University, Logan, UT 84321-4815.