

215 Feedlot performance of a new distillers byproduct (Dakota Bran) for finishing cattle. V. Bremer*¹, G. Erickson¹, T. Klopfenstein¹, M. Gibson², K. Vander Pol¹, and M. Greenquist¹, ¹University of Nebraska, Lincoln, ²Dakota Gold Research Association, Sioux Falls, SD.

Three hundred crossbred yearling steers (BW = 384 ± 20 kg) were utilized in a randomized complete block design to evaluate the effect of level of Dakota Bran (DB) on feedlot performance and carcass characteristics. Dakota Bran is a new distillers byproduct feed produced as primarily corn bran plus distillers solubles (53% DM) containing 14.9% CP (DM basis). Dietary treatments consisted of 0, 15, 30 and 45% DB and 30% dried distillers grains plus solubles (DDGS), replacing corn (DM basis). Basal ingredients consisted of high-moisture corn and dry-rolled corn, fed at a constant 1:1 ratio (DM basis), plus ground alfalfa hay and dry supplement each fed at 5% of diet (DM basis). Steers were blocked by weight, stratified by weight within block, and assigned randomly to pen. Pens were assigned randomly to treatment within block with five/treatment and 12 steers/pen. Steers were fed for 116d and slaughtered on d 117 at a commercial abattoir. There was a significant linear increase (P<0.01) in final BW, ADG, and G:F, as level of DB in the diet increased and a significant quadratic response (P<0.01) for DMI as level of DB in the diet increased. With the exception of HCW, there were no significant differences (P>0.05) for carcass characteristics. These results indicate the new DB byproduct has feeding performance similar to DDGS at the same inclusion level. Feeding Dakota Bran in this trial, up to 45% of the diet, resulted in improved performance compared to feeding high-moisture/dry-rolled corn, suggesting energy value equal or greater than corn.

Treatment ^a :	0 DB	15 DB	30 DB	40 DB	30 DDGS	SE
Final BW, kg ^b	583	596	601	609	595	4
DMI, kg/d	11.5	12.6	12.4	12.4	12.0	0.1
ADG, kg	1.71	1.83	1.86	1.94	1.82	0.03
G:F	0.149	0.149	0.150	0.157	0.152	0.002

^aDB = Dakota Bran, DDGS = dried distillers grains plus solubles ^bCalculated from HCW divided by a common dress of 63%

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