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C.L. Drake

V.P. Carlson

P.H. Wilson

See next page for additional authors

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White sorghum grain (Funk's G766W) and elevator-run red sorghum grain compared for fattening cattle

Authors
C.L. Drake, V.P. Carlson, P.H. Wilson, and Dell M. Allen
White Sorghum Grain (Funk's G766W) and Elevator-Run Red Sorghum Grain Compared For Fattening Cattle

C.L. Drake, V.P. Carlson\textsuperscript{1}, P.H. Wilson\textsuperscript{2} and D.M. Allen

A new white variety of sorghum grain (Funk's G766W) has been reported to be higher in digestible dry matter and protein than elevator-run, red sorghum grain. A 120-day field trial was conducted on the George and Vernon Miller farm near Great Bend to compare the two sorghum grain types under feed-lot conditions.

Procedure:

One hundred Angus and Black-whiteface steers and six Angus heifers were randomly allotted by weight to two pens, and fed dry rolled grain from self-feeders.\textsuperscript{3} Cottonseed hulls and sun-cured ground alfalfa were used to provide bulk and were removed gradually in 14 days. Ruff-tabs were then fed to provide the only source of roughage the remainder of the trial.

Results:

Feed-lot performance is reported in table \textsuperscript{24}. The only difference was in feed efficiency. Steers receiving white sorghum grain required .79 lb. less feed per pound of gain. Feedlot gain was over 3 lbs. per head daily on both rations. No differences in carcass data were noted.

<table>
<thead>
<tr>
<th></th>
<th>White sorghum grain (Funk's G766W)</th>
<th>Elevator-run red sorghum grain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Av. weight, lbs., 11-24-69</td>
<td>648</td>
<td>650</td>
</tr>
<tr>
<td>Av. weight, lbs., 3-24-70</td>
<td>1020</td>
<td>1019</td>
</tr>
<tr>
<td>Total gain, lbs.</td>
<td>372</td>
<td>369</td>
</tr>
<tr>
<td>Av. daily gain, lbs.</td>
<td>3.10</td>
<td>3.07</td>
</tr>
<tr>
<td>Feed consumed per animal, lbs.</td>
<td>2528</td>
<td>2800</td>
</tr>
<tr>
<td>Lbs. feed per lb. gain</td>
<td>6.80</td>
<td>7.59</td>
</tr>
<tr>
<td>Feed cost per cwt. gain\textsuperscript{a},$</td>
<td>$17.27</td>
<td>19.28 $</td>
</tr>
</tbody>
</table>

\textsuperscript{a}Feed Cost of $2.54 per cwt.

\textsuperscript{1}County Extension Agricultural Agent, Ellsworth county.

\textsuperscript{2}County Extension Agricultural Agent, Barton county.

\textsuperscript{3}Rations prepared and delivered by Great Bend Co-op.