1968

The value of an artery clamp to dehorn cattle

C.L. Drake

R.R. Schalles

C.W. Smith

Follow this and additional works at: https://newprairiepress.org/kaesrr

Part of the Other Animal Sciences Commons

Recommended Citation

Drake, C.L.; Schalles, R.R.; and Smith, C.W. (1968) "The value of an artery clamp to dehorn cattle," Kansas Agricultural Experiment Station Research Reports: Vol. 0: Iss. 1. https://doi.org/10.4148/2378-5977.2858

This report is brought to you for free and open access by New Prairie Press. It has been accepted for inclusion in Kansas Agricultural Experiment Station Research Reports by an authorized administrator of New Prairie Press. Copyright 1968 Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Contents of this publication may be freely reproduced for educational purposes. All other rights reserved. Brand names appearing in this publication are for product identification purposes only. No endorsement is intended, nor is criticism implied of similar products not mentioned. K-State Research and Extension is an equal opportunity provider and employer.
The value of an artery clamp to dehorn cattle

Abstract
A preliminary trail involving use of an artery clamp and a drawing and description of the clamp are reported in Bulletin 507. This trial involved 42 horned heifers owned and fed by a cooperating feedlot operator. The heifers were individually weighed and placed on these experimental treatments: 1. Control - not dehorned 2. Dehorned using clamp; arteries pulled 3. Dehorned not using clamp; arteries pulled All heifers were placed in one large lot and fed the same ration for 30 days after being dehorned.

Keywords
Cattlemen's Day, 1968; Report of progress (Kansas State University. Agricultural Experiment Station); 518; Beef; Artery clamp; Dehorning cattle; Feedlot

Creative Commons License
This work is licensed under a Creative Commons Attribution 4.0 License.
The Value of An Artery Clamp To Dehorn Cattle
C.L. Drake, R.R. Schalles and C.W. Smith

A preliminary trial involving use of an artery clamp and a drawing and description of the clamp are reported in Bulletin 507.

This trial involved 42 horned heifers owned and fed by a cooperating feedlot operator. The heifers were individually weighed and placed on these experimental treatments:

1. Control - not dehorned
2. Dehorned using clamp; arteries pulled
3. Dehorned not using clamp; arteries pulled

All heifers were placed in one large lot and fed the same ration for 30 days after being dehorned.

Results

Weight gain results are in table 32. Heifers not dehorned gained the most which agrees with last year's trial. Heifers dehorned using the clamp gained slightly more than those dehorned not using the clamp; however, none of the differences in weight gain were significant, which is in agreement with last year's experiment. Differences this year were much smaller, which indicates that weight gain differences probably disappear as feeding pro-

1 County Agricultural Agent, Winfield, Kansas
gresses (22 days in 1966 and 30 in 1967). The major arteries were pulled from each heifer that was dehorned. Arteries were pulled about 10 seconds faster using the clamp. The clamp also made it easier to find the arteries so blood spurt ing was completely eliminated.

Best results are obtained on thin yearling cattle and close dehorning is necessary to sufficiently expose the arteries to be pulled.

The greatest advantage of a clamp appears to be reduced stress on animals and operators. The pressure of the clamp seems to reduce an animal's pain and prevents an operator from being covered with blood. When a bleeder is found, the clamp can be left on until the bleeding stops.

During the trial the heifers received 8 pounds of rolled sorghum grain, 25 pounds corn silage, 1.5 pounds of 42% protein supplement and 15 mg. stilbestrol per head daily.
<table>
<thead>
<tr>
<th>Treatment</th>
<th>Control, not dehorned</th>
<th>Dehorned using clamp; arteries pulled</th>
<th>Dehorned not using clamp; arteries pulled</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. heifers</td>
<td>14</td>
<td>14</td>
<td>12(^1)</td>
</tr>
<tr>
<td>Initial wt., lbs.</td>
<td>Dec. 27, 1967</td>
<td>490</td>
<td>483</td>
</tr>
<tr>
<td>Av. total gn. lbs.</td>
<td>82</td>
<td>78</td>
<td>76</td>
</tr>
<tr>
<td>Av. daily gn. lbs.</td>
<td>2.73</td>
<td>2.60</td>
<td>2.52</td>
</tr>
<tr>
<td>Time required to pull arteries, seconds, average</td>
<td>30.3</td>
<td></td>
<td>41.2</td>
</tr>
</tbody>
</table>

\(^1\) Two animals removed due to injury