

Kansas Agricultural Experiment Station Research Reports

Volume 0
Issue 1 *Cattleman's Day (1993-2014)*

Article 1414

1971

Post-weaning performance of calves as affected by longstem hay and method feeding

E.F. Smith

L.H. Harbers

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



Part of the [Other Animal Sciences Commons](#)

Recommended Citation

Smith, E.F. and Harbers, L.H. (1971) "Post-weaning performance of calves as affected by longstem hay and method feeding," *Kansas Agricultural Experiment Station Research Reports*: Vol. 0: Iss. 1. <https://doi.org/10.4148/2378-5977.2817>

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 1971 the Author(s). 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.



K**S**

Post-Weaning Performance of Calves as Affected By
Longstem Hay and Method Feeding

U

E. F. Smith and L. H. Harbers

Three different rations were compared for feeding calves immediately after weaning. Desired is a ration that will reduce weaning stress, produce economical gains, and be easy to feed.

The rations are shown in Table 4. Initial weight of the calves was taken at the pasture just before weaning. The calves were transported the same day 8 miles to the Beef Cattle Research Center where they were divided into groups and started on experimental rations.

The self-fed mixture of sun cured alfalfa crumbles and rolled sorghum grain was not improved by adding prairie hay. Six of the twelve steers on that self-fed mixture without hay were treated for coccidiosis; however, with or without hay, that mixture produced better and more efficient gains than the mixture of sorghum grain, alfalfa, and prairie hay fed once each day.

TABLE 4. POST WEANING PERFORMANCE OF CALVES AS AFFECTED BY
LONGSTEM HAY AND METHOD OF FEEDING
October 13 to December 5, 1970 - 52 Days

	Self-fed mixture of alfalfa crumbles and rolled sorghum grain		Self-fed mixture of alfalfa crumbles, rolled sorghum grain <u>plus</u> prairie hay		Rolled sorghum grain plus prairie and alfalfa hay fed daily	
	Steers	Heifers	Steers	Heifers	Steers	Heifers
Number of cattle	12	12	12	13	13	13
Initial weight pounds	398	388	409	388	450	404
Final weight	471	458	495	447	494	436
Daily gain per head	1.40	1.35	1.65	1.13	0.85	0.62
Daily feed per calf, pounds						
Mixture of 60% sun cured alfalfa crumbles and 40% rolled sorghum grain	11.8	12.7	11.8	10.1		
Prairie hay			3.2	3.3	3.9	3.3
Alfalfa hay					3.5	3.2
Rolled sorghum grain					4.5	4.5
Total Feed	11.8	12.7	15.0	13.4	11.9	11.0
Feed per pound of gain	8.4	9.4	9.1	11.8	14.0	17.7
Cost per cwt. gain (mixture @ \$50.00, hay @ \$25.00 & grain @ \$40.00/ton)	21.00	23.50	20.38	25.90	21.48	27.53
Number of times animals treated for sickness	10	1	3	5	4	3