Kansas Agricultural Experiment Station Research Reports

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

Article 1137

1983

Effect of Synovex-H and Ralgro implants on weight gain of heifers grazing wheat pasture

S. Laudert

R. Nelson

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

Part of the Other Animal Sciences Commons

Recommended Citation

Laudert, S. and Nelson, R. (1983) "Effect of Synovex-H and Ralgro implants on weight gain of heifers grazing wheat pasture," *Kansas Agricultural Experiment Station Research Reports*: Vol. 0: Iss. 1. https://doi.org/10.4148/2378-5977.2540

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 1983 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.



Effect of Synovex-H and Ralgro implants on weight gain of heifers grazing wheat pasture

Abstract

Heifer calves grazing winter wheat pasture and implanted with Synovex-H or Ralgro gained 18 and 14% faster (P<.01) respectively, than heifers not implanted. Weight gains were similar for both implants.

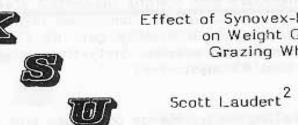
Keywords

Cattlemen's Day, 1983; Report of progress (Kansas State University. Agricultural Experiment Station); 427; Beef; Synovex-H; Ralgro; Implants; Gain; Wheat pasture

Creative Commons License



This work is licensed under a Creative Commons Attribution 4.0 License.



Effect of Synovex-H and Ralgro Implants on Weight Gain of Heifers Grazing Wheat Pasture

Scott Laudert² and Ricky Nelson³

Summary

Heifer calves grazing winter wheat pasture and implanted with Synovex-H or Ralgro gained 18 and 14% faster (P<.01) respectively, than heifers not implanted. Weight gains were similar for both implants.

Experimental Procedure

One hundred and eighty-two straightbred and crossbred heifer calves averaging 415 lbs were randomly allotted by breed and purchase source to one of the following four treatments: 1) control (no implant); 2) Synovex-H inserted at the recommended site; 3) Synovex-H inserted at the base of the ear, or 4) Ralgro inserted at the base of the ear. Each heifer was individually weighed at the beginning and end of the 138 day trial. All heifers grazed together throughout the trial.

Results

Both implants increased (P<.01) rate of gain over that of the control heifers (Table 32.1). There were no significant differences among the implants, and there was no advantage to altering the site of implanting Synovex-H.

Synovex-H.					
Treatment	No. Heifers	Initial Weight (Ib)	Final Weight (Ib)	Total Gain (Ib)	Daily Gain (Ib)
Control	44	412	562	150 ^C	1.09 ^C d
Synovex-Ha	47	407	585	178 <mark>d</mark>	1.29 ^d
Synovex-H ^b Raloro	47	415	595	180 ⁰	1.30 ^d 1.24 ^d
Raloro	44	424	596	172 ⁰	1.24

Table 32.1. Effect of Implanting Wheat Pasture Heifers with Ralgro or

^aImplant inserted at recommended site in middle third of ear.

Implant inserted at base of the ear.

c,d_{Means} with different superscripts differ (P<.01).

¹Appreciation is expressed to Jim Harper, Ashland, KS for supplying cattle and facilities, Synovex-H Agri Business, Inc. for financial support and implants, and International Minerals and Chemical Corporation for implants.

Southwest Area Extension Livestock Specialist, Garden City, Ks 67846. Clark County Agricultural Extension Agent.