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## 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.

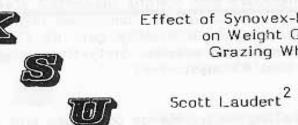
#### Keywords

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

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

Scott Laudert<sup>2</sup> and Ricky Nelson<sup>3</sup>

#### 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 <sup>C</sup>	1.09 <sup>C</sup> d
Synovex-Ha	47	407	585	178 <mark>d</mark>	1.29 <sup>d</sup>
Synovex-H <sup>b</sup> Raloro	47	415	595	180 <sup>0</sup>	1.30 <sup>d</sup> 1.24 <sup>d</sup>
Raloro	44	424	596	172 <sup>0</sup>	1.24

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

<sup>a</sup>Implant inserted at recommended site in middle third of ear.

Implant inserted at base of the ear.

c,d<sub>Means</sub> with different superscripts differ (P<.01).

<sup>1</sup>Appreciation 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.

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