



YEAR 2001

PERFORMANCE OF IMPLANTED CATTLE VS. NON-IMPLANTED TITLE

TOM BOONE
Cedar Run Ranch
COOPERATOR

EASTERN HARRISON CO.
COMMUNITY

RANDY REEVES
AGENT

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PRECINCT

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I. SUMMARY:

Beef cattle production in Harrison county accounts for 26 percent of the total agricultural income that is generated in the county. Of the total agricultural income of \$37,567,000, beef cattle generates \$9,850,000. Beef cattle producers are looking for ways to maximize production (poundage) of their product, which here in our part of the state is mainly calves, from cow/calf operations.



II. PROBLEM:

Beef cattle implants have been around for several years and are used by several operations in the area, but several producers do not use them for various reasons, most of which is the thought that the cost of the implant will effect the profit margin, or that they will harm the animal or meat product.

III. OBJECTIVE:

To evaluate the animal performance and cost justification of Revalor-G implants in beef calves through a preconditioning or backgrounding program.

IV. MATERIALS / METHODS:

As part of a beef cattle preconditioning result demonstration, with one hundred and one (101) calves, the first

twenty-five steers (25) and the first twenty-five (25) heifers that came through the working chute for calf working, (total of 50 head) were also given at the labeled rate. The calves were also weighed, to establish their weaning weight. This was done on June 2, 2001, at weaning. The other calves in the demonstration, (51 head), served as the control group for evaluation purposes.



V. RESULTS / DISCUSSION:

The calves were again brought through the working chute on July 18, 2001 to establish the payweight prior to leaving to ranch for the preconditioned sale in Sulphur Springs, Texas. Listed below are the results of the demonstration.

Average Weaning Weight (6-2-01)	Ave. Weight (w/o Implants) 7-18-01	Ave. (Weight With Implants) 7-18-01
452 Pounds	482 Pounds	519 Pounds

VI. ECONOMIC ANALYSIS & IMPACT:

With the use of implants, the average gain realized was thirty-seven (37) pounds. The value of the gain was \$\$36.11 per head, the cost of the implants was \$1.23 per head, which means that the gross revenue per head was \$34.88.

VII. ACKNOWLEDGMENTS:

We wish to thank Tom Boone, owner of Boone Cattle Company and the Cedar Run Ranch, also to managers, Jay and Ann Harris for their hard work and assistance in gathering weight data from the cattle. We would also like to thank Dr. Greg Clary, Extension Economist-Management, headquartered at the Research & Extension Center in Overton for his assistance and guidance during this demonstration, it is very much appreciated. We would also like to thank Mr. Lee Barr, Sales Representative with Intervet for donating the implants used in this demonstration.

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