



Your All-Natural Solution.

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Beef Field Trials

A to Z Feedlot Study

- 80 head of F1 (Angus/Wagyu) heifers were randomly gate cut and assigned to either a control or treatment group for a 26 day feeding trial
- Heifers weighed between 1300 and 1400 pounds
- Bodyweights were not measured prior to group assignment, but the treatment group appeared to be much lighter than the control group according to feedlot management
- Both groups received the same diet for the duration of the trial
- Treatment group received 1 ounce of Matrix applied in a top dress daily, for the last 26 days of the feeding period
- Cattle had been on feed for 409 days and were harvested at approximately 22 months of age
- The study was conducted at A to Z feeders Atlantic, Iowa

MEASUREMENT	MATRIX	CONTROL	NET CHANGE
Live wt (pounds)	1435	1449	- 14
Carcass wt (pounds)	898	881	+ 17
Yield (percent)	62.61	60.83	+ 1.78
Ribeye Area (inches ²)	12.80	12.54	+0.26
Back Fat (inches)	1.10 ^a	1.28 ^b	- 0.18
Marbling Score	507	460	+ 47
Marbling % Increase			+10.2
Quality Grade	Low Prime	High Choice	
Cost of MATRIX [®]	\$5.20	--	- \$5.20
Carcass Value			+ \$50.00
Return On Invest			9.6 : 1

a,b – means with different superscripts are significantly different at P<.07

Note: MATRIX[®] is an all-natural feed additive developed from 30 years of research and is comprised primarily of natural vasodilators and host-specific beneficial bacterial strains developed and manufactured by Protocol Technologies, Inc.

Texas Wagyu Feedlot Study

47 head of Wagyu or Wagyu crossed cattle were randomly assigned to a Treatment (Matrix) group or Control group. The Matrix group was comprised of 23 head and the Control group was comprised of 24 head. Matrix was fed at a rate of one-half ounce per head per day. After performing ultrasound scans on both groups of cattle, data revealed the following after the 32 days:

- Cattle fed Matrix scanned 10.9% greater ribeye area than control cattle
- Cattle fed Matrix scored 6.8% higher marbling score (%IMF) than control cattle

The differences observed in this trial would be expected to increase and be even more pronounced with increased days on Matrix. Matrix is an All-Natural, new generation feed additive which addresses both the digestive and circulatory systems of livestock resulting in greater metabolic efficiency. As a result of enhancing both nutrient digestion and blood flow, Matrix increases the concentration of vital nutrients available at the animal's cellular level resulting in accelerated muscling and marbling in growing animals, and increased milk yield in lactating animals.

MATRIX® is a registered trademark of Horner Industries, Inc.