



**2003
OKLAHOMA
MEAT BUCK PERFORMANCE TEST
FINAL REPORT
(7th Annual)**

May 3 - August 16, 2003

Sponsored by the
Oklahoma Meat Goat Association
and
Agricultural Research and Extension
Program at
Langston University

Introduction

Meat goat production represents the most rapidly growing animal industry in the US today, and is becoming a mainstream livestock enterprise. To further genetic progress through the identification of superior sires in the industry, Langston University and the Oklahoma Meat Goat Association established a meat goat performance test in 1997.

Entry

The seventh annual meat buck performance test started May 3, 2003 with 52 bucks enrolled from 16 different breeders. Fifty-one of the bucks were fullblood Boers, and one Boer-cross buck. Twenty-nine bucks were from Texas, 19 from Oklahoma, 2 from Mississippi and 2 from Nebraska. The test was open to purebred and crossbred bucks born between December 1, 2002 and March 31, 2003.

Bucks were given a thorough physical examination by Dr. Lionel Dawson, dewormed with Valbazen (albendazole), foot bathed with Nolvasan, deloused with Atroban De-Lice, given a preemptive injection of Nuflor for upper respiratory infections, and for those bucks that needed a booster or initial vaccinations for enterotoxemia and caseous lymphandinitis, the vaccination was given. All bucks were retagged by Extension staff after admission to the performance test. Four weeks after check-in, all bucks were given a booster vaccination for enterotoxemia and caseous lymphandinitis.

Entrance weight for the 52 bucks averaged 58.6 lbs with a range of 35.2 to 110.1 lbs.

Adjustment Period

All bucks underwent an adjustment period of eighteen days immediately after check-in. During the adjustment period, bucks were acclimated to the test ration and to the Calan feeders. Nine bucks were assigned to each 20' x 20' inside pen equipped with nine Calan feeders. Each pen also had a 20' x 20' outside run. The inside and outside pen space was separated by an overhead door, which can be raised or lowered as the weather dictates. Every other pen was also equipped with a fan to circulate air in the barn complex whenever needed. The grass in the outside pens was mowed often, and grazing was negligible. Each buck wore a collar with an electronic "key" encased

in hard plastic. The key unlocks the door to only one Calan feeder, thus enabling the buck to eat out of his individual feeder. Each morning, the feed remaining in the Calan feeder from the day before is weighed and removed from the Calan feeder. Fresh feed is weighted and placed into the Calan feeder. The difference in weights between the fresh feed place in the Calan feeder one morning and the remaining feed the next morning is the amount consumed. Because only one goat is capable of opening the Calan door and eating, it is possible to calculate the feed intake of the individual bucks. The area immediately around the Calan feeders and waterers is concrete, however, the large majority of the inside pen is earth and is covered by pine shavings. Pine shavings were periodically added as needed to maintain fresh bedding. Bucks had free access to water provided by a float-valve raised waterers.

On 7/4/03, Buck #1010 became ill and was taken to the emergency room at the Oklahoma State University, College of Veterinary Medicine. Unfortunately, the buck died that same day while still at the College of Veterinary Medicine. The body was transported to Oklahoma State University’s Diagnostic Laboratory. The post mortem report indicated that the animal had died of polioencephalomalacia. No other animal has shown any sign of major illness and the health problems of the bucks on-test have been minimal.

Ration

Nutritionists at Langston University formulated the following ration. In 1999, the amount of salt and ammonium chloride was doubled due to problems with urinary calculi the previous year. Except for the increase in salt and ammonium chloride, the ration was unchanged from that which was used in the first two meat buck performance tests. The ration was fed free-choice during the adjustment period and during the 12-week test.

Ingredient	Percentage (as fed)
Cottonseed hulls	29.07%
Alfalfa meal	19.98%
Cottonseed meal	15.99%
Ground corn	15.99%
Wheat midds	9.99%
Pellet Partner (binder)	5.00%
Ammonium chloride	1.00%
Yeast	1.00%
Calcium Carbonate	0.95%

Ingredient	Percentage (as fed)
Salt	0.50%
Trace mineral salt	0.50%
Vitamin A	0.02%
Rumensin	0.01%
TOTAL	100.00%

The crude protein content of the ration is 16% with 2.5% fat, 20.4% fiber and 60.6% TDN. Calcium phosphorus and sodium levels are .74%, .37% and 1.07%, respectively. Zinc concentration is 33.04 ppm, copper is 17.15 ppm and selenium is .21 ppm. In 2003, competitive bids were sought for the buck-test feed and Bluebonnet Feeds of Ardmore, OK was awarded the contract to supply feed for the buck performance test.

ABGA Approved Performance Test

In early 2000, the Oklahoma performance test was designated by the American Boer Goat Association Board of Directors as an ABGA Approved Performance Test. Qualified fullblood or purebred Boer bucks will be eligible to earn points towards entry into the "Ennobled Herd Book". Candidate bucks must pass a pre-performance test inspection conducted by one (1) or more ABGA approved breeders. Ten (10) points will be awarded a Boer buck who shows an average daily weight gain (ADG) in the top five percent (5%) of the animals on test. Five (5) points will be awarded a Boer buck who shows an average daily weight gain (ADG) in the next fifteen percent (15%) of the animals on test. All bucks must gain at least three-tenths (.3) pounds per day to be awarded any points.

International Boer Goat Association, Inc. Sanctioned Test

In 2003, the Oklahoma buck performance test was sanctioned by the International Boer Goat Association, Inc.

The Oklahoma performance test continues to grow and to serve the meat goat industry.

Gain

The official performance test started on May 21 after the adjustment period was finished. Weight at the beginning of the test averaged 66.3 lbs with a range of 40.7 to 124.4 lbs. Weight at the mid-point averaged 94.5 lbs with a range of 57.3 to 159.7 lbs. Weight at the end of the test averaged 119.5 lbs with a range of 70.5 to 175.1 lbs. Weight gain for the test averaged 52.9 lbs with a range of 11.0 to 77.1 lbs.

Average Daily Gain (ADG)

For the test, the bucks gained on averaged .63 lbs./day with a range from .13 lbs./day to .92 lbs./day.

Feed Efficiency

For the test, the bucks consumed an average of 363.3 lbs. of feed with a range of 137.3 lbs. to 559.7 lbs. For the test, the bucks averaged a feed efficiency of 7.1 (feed efficiency is defined as the number of lbs. of feed needed for one lbs. of gain), with a range of 5.1 to 12.5.

Muscling

The average loin eye area as determined by ultrasonography was 1.76 square inches with a range of 0.96 to 2.66 square inches and the average right rear leg circumference was 16.6 inches with a range of 13.75 to 20.5 inches.

Index

For 2003, the index was calculated using the following parameters:

30% on efficiency (units of feed per units of gain)

30% on average daily gain

20% on area of longissimus muscle (loin) at the first lumbar site as measured by real time ultrasound adjusted by the goat's metabolic body weight:

$$\frac{\text{area of longissimus muscle (loin)}}{BW^{0.75}}$$

20% circumference around the widest part of the hind right leg as measured with a tailor's tape adjusted by the goat's metabolic body weight:

$$\frac{\text{circumference of hind left leg}}{BW^{0.75}}$$

The adjustment to metabolic body weight gives lighter weight goats a fair comparison of muscling to heavier goats.

The deviation from the average of the parameters measured from the goats in the performance test was used in the index calculation. Thus, the average index score for bucks on-test was 100%. Bucks that are above average have indices above 100% and those below average have index scores below 100%.

Congratulations

The Oklahoma Meat Goat Association and the Agricultural Research and Extension Program at Langston University congratulate:

- Mr. Marvin Shurley of Sonora, TX
for having the Top-Indexing buck
in the 2003 Oklahoma Meat Buck Performance Test

Also, deserving congratulations are:

- Mr. Marvin Shurley of Sonora, TX
for having the #1 Fastest-Gaining buck
- Mr./Mrs. James and Luann Hansen of Cushing, OK
for having the #2 Fastest-Gaining buck
- Mr./Mrs. James and Luann Hansen of Cushing, OK
for having the #3 (tie) Fastest-Gaining buck
- Ms. Lynn Farmer of Mullin, TX
for having the #3 (tie) Fastest-Gaining buck
- Ms. Lynn Farmer of Mullin, TX
for having the #5 (tie) Fastest-Gaining buck
- Mr. Johnnie Holliday of Edmond, OK
for having the #5 (tie) Fastest-Gaining buck
- Mr./Mrs. James and Luann Hansen of Cushing, OK
for having the Most-Feed-Efficient buck
- Mr./Mrs. Jim and Mary Daniel of Earlsboro, OK
for having the Most-Heavily-Muscled buck

Acknowledgments

The Buck Test supervisor wishes to acknowledge Dr. Lionel Dawson of Oklahoma State University for his contributions as the admitting and on-call veterinarian, Mr. Filemon Vasquez for his management and oversight of the day-to-day activities, Mr. Jerry Hayes of Langston University for aid and supervision, Mr. Les Hutchens and his associates at Reproductive Enterprises, Inc. for conducting the ultrasound measurements for the loin eye area and the breeding soundness exams, and Bluebonnet Feeds of Ardmore, OK for custom mixing the feed.

Report prepared by Dr. Terry A. Gipson
Goat Extension Specialist
Langston University

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Table 1. Bucks sorted by Index score.

LU ID	Breed	Beg Wt (lbs)	End Wt (lbs)	Gain (lbs)	ADG (lbs/day)	Intake (lbs)	FE*	LEA (in ²)	Rear Leg (in)	index
91021	Boer	67.2	144.3	77.1	0.92	443.0	5.75	1.48	15.00	101.47
91040	Boer	47.4	118.9	71.6	0.85	366.8	5.12	1.56	16.50	101.44
91002	Boer	55.1	122.2	67.2	0.80	395.2	5.88	1.48	15.00	101.00
91041	Boer	78.2	146.5	68.3	0.81	443.7	6.50	2.24	17.75	100.84
91038	Boer	73.8	142.1	68.3	0.81	460.4	6.74	1.72	17.50	100.76
91042	Boer	50.7	107.9	57.3	0.68	307.5	5.37	1.53	16.50	100.76
91037	Boer	63.9	131.1	67.2	0.80	445.2	6.63	2.12	18.00	100.75
91076	Boer	56.2	113.4	57.3	0.68	314.3	5.49	1.65	15.50	100.72
91028	Boer	59.5	116.7	57.3	0.68	333.2	5.82	1.37	15.00	100.61
91033	Boer	58.4	118.9	60.6	0.72	386.2	6.38	1.70	17.00	100.56
91005	Boer	40.7	93.6	52.9	0.63	293.9	5.56	1.44	16.00	100.51
91049	Boer	56.2	106.8	50.7	0.60	276.0	5.45	1.51	14.50	100.45
91044	Boer	63.9	124.4	60.6	0.72	405.9	6.70	2.03	18.00	100.45
91050	Boer	41.9	93.6	51.8	0.62	291.5	5.63	1.39	15.00	100.44
91036	Boer	71.6	130.0	58.4	0.69	379.9	6.51	2.26	18.00	100.42
91020	Boer	55.1	112.3	57.3	0.68	365.7	6.39	2.01	17.50	100.42
91017	Boer	70.5	133.3	62.8	0.75	447.0	7.12	2.04	18.00	100.40
91018	Boer	59.5	115.6	56.2	0.67	355.5	6.33	1.50	14.50	100.39
91030	Boer	100.2	166.3	66.1	0.79	501.9	7.60	2.40	17.50	100.38
91015	Boer	54.0	109.0	55.1	0.66	343.1	6.23	1.62	15.50	100.38
91026	Boer	60.6	120.0	59.5	0.71	404.8	6.81	1.67	16.00	100.37
91019	Boer	61.7	120.0	58.4	0.69	402.6	6.90	1.81	17.25	100.29
91046	Boer	70.5	131.1	60.6	0.72	435.6	7.19	1.65	17.50	100.29
91043	Boer	72.7	128.9	56.2	0.67	378.1	6.73	1.86	17.50	100.25
91022	Boer	56.2	111.2	55.1	0.66	365.2	6.63	1.65	15.00	100.24
91031	Boer	71.6	131.1	59.5	0.71	428.5	7.21	1.56	15.25	100.23
91032	Boer	51.8	102.4	50.7	0.60	309.4	6.11	1.61	15.00	100.23
91048	Boer	49.6	100.2	50.7	0.60	312.6	6.17	1.70	16.00	100.21
91011	Boer	49.6	99.1	49.6	0.59	300.9	6.07	1.31	14.50	100.20
91047	Boer	50.7	95.8	45.2	0.54	253.7	5.62	1.39	15.50	100.17
91013	Boer	51.8	103.5	51.8	0.62	338.9	6.55	1.64	15.00	100.13
91045	Boer	78.2	133.3	55.1	0.66	383.9	6.97	2.52	19.50	100.13
91035	Boer	69.4	121.1	51.8	0.62	348.1	6.73	1.82	17.00	100.07
91023	Boer	65.0	120.0	55.1	0.66	408.1	7.41	1.92	16.50	99.98
91014	Boer	63.9	110.1	46.3	0.55	295.0	6.38	1.86	17.00	99.96
91009	Boer	48.5	96.9	48.5	0.58	327.4	6.76	1.45	15.00	99.92
91016	Boer	61.7	111.2	49.6	0.59	343.5	6.93	1.79	16.50	99.91
91004	Boer	82.6	135.5	52.9	0.63	398.4	7.54	1.77	18.00	99.85
91029	Boer	113.4	175.1	61.7	0.73	559.7	9.08	2.44	19.75	99.70
91003	Boer	88.1	145.4	57.3	0.68	497.0	8.68	2.52	20.00	99.65
91025	Boer	74.9	124.4	49.6	0.59	384.1	7.75	1.67	17.75	99.63
91034	Boer	73.8	120.0	46.3	0.55	340.5	7.36	1.96	18.25	99.63
91027	Boer	78.2	117.8	39.6	0.47	322.9	8.14	1.65	16.50	99.09
91006	Boer	115.6	159.7	44.1	0.52	383.4	8.70	1.93	17.50	99.08
91077	Boer	69.4	107.9	38.5	0.46	310.0	8.04	1.84	17.00	99.07
91012	Boer-X	54.0	89.2	35.2	0.42	282.8	8.03	1.45	15.00	98.94
91024	Boer	49.6	77.1	27.5	0.33	194.4	7.06	1.08	14.00	98.94
91008	Boer	124.4	168.5	44.1	0.52	469.8	10.66	2.66	20.50	98.42
91001	Boer	60.6	89.2	28.6	0.34	284.0	9.92	1.51	15.00	98.03
91007	Boer	98.0	131.1	33.0	0.39	368.6	11.16	2.13	17.25	97.80
91039	Boer	59.5	70.5	11.0	0.13	137.3	12.47	0.96	13.75	96.43

* lbs of feed for one lb. of gain.

Table 2. Bucks sorted by Gain (ADG).

LU ID	Breed	Beg Wt (lbs)	End Wt (lbs)	Gain (lbs)	ADG (lbs/day)	Intake (lbs)	FE*	LEA (in ²)	Rear Leg (in)	index
91021	Boer	67.2	144.3	77.1	0.92	443.0	5.75	1.48	15.00	101.47
91040	Boer	47.4	118.9	71.6	0.85	366.8	5.12	1.56	16.50	101.44
91041	Boer	78.2	146.5	68.3	0.81	443.7	6.50	2.24	17.75	100.84
91038	Boer	73.8	142.1	68.3	0.81	460.4	6.74	1.72	17.50	100.76
91002	Boer	55.1	122.2	67.2	0.80	395.2	5.88	1.48	15.00	101.00
91037	Boer	63.9	131.1	67.2	0.80	445.2	6.63	2.12	18.00	100.75
91030	Boer	100.2	166.3	66.1	0.79	501.9	7.60	2.40	17.50	100.38
91017	Boer	70.5	133.3	62.8	0.75	447.0	7.12	2.04	18.00	100.40
91029	Boer	113.4	175.1	61.7	0.73	559.7	9.08	2.44	19.75	99.70
91033	Boer	58.4	118.9	60.6	0.72	386.2	6.38	1.70	17.00	100.56
91044	Boer	63.9	124.4	60.6	0.72	405.9	6.70	2.03	18.00	100.45
91046	Boer	70.5	131.1	60.6	0.72	435.6	7.19	1.65	17.50	100.29
91026	Boer	60.6	120.0	59.5	0.71	404.8	6.81	1.67	16.00	100.37
91031	Boer	71.6	131.1	59.5	0.71	428.5	7.21	1.56	15.25	100.23
91036	Boer	71.6	130.0	58.4	0.69	379.9	6.51	2.26	18.00	100.42
91019	Boer	61.7	120.0	58.4	0.69	402.6	6.90	1.81	17.25	100.29
91042	Boer	50.7	107.9	57.3	0.68	307.5	5.37	1.53	16.50	100.76
91076	Boer	56.2	113.4	57.3	0.68	314.3	5.49	1.65	15.50	100.72
91028	Boer	59.5	116.7	57.3	0.68	333.2	5.82	1.37	15.00	100.61
91020	Boer	55.1	112.3	57.3	0.68	365.7	6.39	2.01	17.50	100.42
91003	Boer	88.1	145.4	57.3	0.68	497.0	8.68	2.52	20.00	99.65
91018	Boer	59.5	115.6	56.2	0.67	355.5	6.33	1.50	14.50	100.39
91043	Boer	72.7	128.9	56.2	0.67	378.1	6.73	1.86	17.50	100.25
91015	Boer	54.0	109.0	55.1	0.66	343.1	6.23	1.62	15.50	100.38
91022	Boer	56.2	111.2	55.1	0.66	365.2	6.63	1.65	15.00	100.24
91045	Boer	78.2	133.3	55.1	0.66	383.9	6.97	2.52	19.50	100.13
91023	Boer	65.0	120.0	55.1	0.66	408.1	7.41	1.92	16.50	99.98
91005	Boer	40.7	93.6	52.9	0.63	293.9	5.56	1.44	16.00	100.51
91004	Boer	82.6	135.5	52.9	0.63	398.4	7.54	1.77	18.00	99.85
91050	Boer	41.9	93.6	51.8	0.62	291.5	5.63	1.39	15.00	100.44
91013	Boer	51.8	103.5	51.8	0.62	338.9	6.55	1.64	15.00	100.13
91035	Boer	69.4	121.1	51.8	0.62	348.1	6.73	1.82	17.00	100.07
91049	Boer	56.2	106.8	50.7	0.60	276.0	5.45	1.51	14.50	100.45
91032	Boer	51.8	102.4	50.7	0.60	309.4	6.11	1.61	15.00	100.23
91048	Boer	49.6	100.2	50.7	0.60	312.6	6.17	1.70	16.00	100.21
91011	Boer	49.6	99.1	49.6	0.59	300.9	6.07	1.31	14.50	100.20
91016	Boer	61.7	111.2	49.6	0.59	343.5	6.93	1.79	16.50	99.91
91025	Boer	74.9	124.4	49.6	0.59	384.1	7.75	1.67	17.75	99.63
91009	Boer	48.5	96.9	48.5	0.58	327.4	6.76	1.45	15.00	99.92
91014	Boer	63.9	110.1	46.3	0.55	295.0	6.38	1.86	17.00	99.96
91034	Boer	73.8	120.0	46.3	0.55	340.5	7.36	1.96	18.25	99.63
91047	Boer	50.7	95.8	45.2	0.54	253.7	5.62	1.39	15.50	100.17
91006	Boer	115.6	159.7	44.1	0.52	383.4	8.70	1.93	17.50	99.08
91008	Boer	124.4	168.5	44.1	0.52	469.8	10.66	2.66	20.50	98.42
91027	Boer	78.2	117.8	39.6	0.47	322.9	8.14	1.65	16.50	99.09
91077	Boer	69.4	107.9	38.5	0.46	310.0	8.04	1.84	17.00	99.07
91012	Boer-X	54.0	89.2	35.2	0.42	282.8	8.03	1.45	15.00	98.94
91007	Boer	98.0	131.1	33.0	0.39	368.6	11.16	2.13	17.25	97.80
91001	Boer	60.6	89.2	28.6	0.34	284.0	9.92	1.51	15.00	98.03
91024	Boer	49.6	77.1	27.5	0.33	194.4	7.06	1.08	14.00	98.94
91039	Boer	59.5	70.5	11.0	0.13	137.3	12.47	0.96	13.75	96.43

* lbs of feed for one lb. of gain.

Table 3. Bucks sorted by Feed Efficiency.

LU ID	Breed	Beg Wt (lbs)	End Wt (lbs)	Gain (lbs)	ADG (lbs/day)	Intake (lbs)	FE*	LEA (in ²)	Rear Leg (in)	index
91040	Boer	47.4	118.9	71.6	0.85	366.8	5.12	1.56	16.50	101.44
91042	Boer	50.7	107.9	57.3	0.68	307.5	5.37	1.53	16.50	100.76
91049	Boer	56.2	106.8	50.7	0.60	276.0	5.45	1.51	14.50	100.45
91076	Boer	56.2	113.4	57.3	0.68	314.3	5.49	1.65	15.50	100.72
91005	Boer	40.7	93.6	52.9	0.63	293.9	5.56	1.44	16.00	100.51
91047	Boer	50.7	95.8	45.2	0.54	253.7	5.62	1.39	15.50	100.17
91050	Boer	41.9	93.6	51.8	0.62	291.5	5.63	1.39	15.00	100.44
91021	Boer	67.2	144.3	77.1	0.92	443.0	5.75	1.48	15.00	101.47
91028	Boer	59.5	116.7	57.3	0.68	333.2	5.82	1.37	15.00	100.61
91002	Boer	55.1	122.2	67.2	0.80	395.2	5.88	1.48	15.00	101.00
91011	Boer	49.6	99.1	49.6	0.59	300.9	6.07	1.31	14.50	100.20
91032	Boer	51.8	102.4	50.7	0.60	309.4	6.11	1.61	15.00	100.23
91048	Boer	49.6	100.2	50.7	0.60	312.6	6.17	1.70	16.00	100.21
91015	Boer	54.0	109.0	55.1	0.66	343.1	6.23	1.62	15.50	100.38
91018	Boer	59.5	115.6	56.2	0.67	355.5	6.33	1.50	14.50	100.39
91033	Boer	58.4	118.9	60.6	0.72	386.2	6.38	1.70	17.00	100.56
91014	Boer	63.9	110.1	46.3	0.55	295.0	6.38	1.86	17.00	99.96
91020	Boer	55.1	112.3	57.3	0.68	365.7	6.39	2.01	17.50	100.42
91041	Boer	78.2	146.5	68.3	0.81	443.7	6.50	2.24	17.75	100.84
91036	Boer	71.6	130.0	58.4	0.69	379.9	6.51	2.26	18.00	100.42
91013	Boer	51.8	103.5	51.8	0.62	338.9	6.55	1.64	15.00	100.13
91037	Boer	63.9	131.1	67.2	0.80	445.2	6.63	2.12	18.00	100.75
91022	Boer	56.2	111.2	55.1	0.66	365.2	6.63	1.65	15.00	100.24
91044	Boer	63.9	124.4	60.6	0.72	405.9	6.70	2.03	18.00	100.45
91035	Boer	69.4	121.1	51.8	0.62	348.1	6.73	1.82	17.00	100.07
91043	Boer	72.7	128.9	56.2	0.67	378.1	6.73	1.86	17.50	100.25
91038	Boer	73.8	142.1	68.3	0.81	460.4	6.74	1.72	17.50	100.76
91009	Boer	48.5	96.9	48.5	0.58	327.4	6.76	1.45	15.00	99.92
91026	Boer	60.6	120.0	59.5	0.71	404.8	6.81	1.67	16.00	100.37
91019	Boer	61.7	120.0	58.4	0.69	402.6	6.90	1.81	17.25	100.29
91016	Boer	61.7	111.2	49.6	0.59	343.5	6.93	1.79	16.50	99.91
91045	Boer	78.2	133.3	55.1	0.66	383.9	6.97	2.52	19.50	100.13
91024	Boer	49.6	77.1	27.5	0.33	194.4	7.06	1.08	14.00	98.94
91017	Boer	70.5	133.3	62.8	0.75	447.0	7.12	2.04	18.00	100.40
91046	Boer	70.5	131.1	60.6	0.72	435.6	7.19	1.65	17.50	100.29
91031	Boer	71.6	131.1	59.5	0.71	428.5	7.21	1.56	15.25	100.23
91034	Boer	73.8	120.0	46.3	0.55	340.5	7.36	1.96	18.25	99.63
91023	Boer	65.0	120.0	55.1	0.66	408.1	7.41	1.92	16.50	99.98
91004	Boer	82.6	135.5	52.9	0.63	398.4	7.54	1.77	18.00	99.85
91030	Boer	100.2	166.3	66.1	0.79	501.9	7.60	2.40	17.50	100.38
91025	Boer	74.9	124.4	49.6	0.59	384.1	7.75	1.67	17.75	99.63
91012	Boer-X	54.0	89.2	35.2	0.42	282.8	8.03	1.45	15.00	98.94
91077	Boer	69.4	107.9	38.5	0.46	310.0	8.04	1.84	17.00	99.07
91027	Boer	78.2	117.8	39.6	0.47	322.9	8.14	1.65	16.50	99.09
91003	Boer	88.1	145.4	57.3	0.68	497.0	8.68	2.52	20.00	99.65
91006	Boer	115.6	159.7	44.1	0.52	383.4	8.70	1.93	17.50	99.08
91029	Boer	113.4	175.1	61.7	0.73	559.7	9.08	2.44	19.75	99.70
91001	Boer	60.6	89.2	28.6	0.34	284.0	9.92	1.51	15.00	98.03
91008	Boer	124.4	168.5	44.1	0.52	469.8	10.66	2.66	20.50	98.42
91007	Boer	98.0	131.1	33.0	0.39	368.6	11.16	2.13	17.25	97.80
91039	Boer	59.5	70.5	11.0	0.13	137.3	12.47	0.96	13.75	96.43

* lbs of feed for one lb. of gain.