



**2009
OKLAHOMA
MEAT BUCK PERFORMANCE TEST
FINAL REPORT
(13th Annual)**

June 6 – September 19, 2009

**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 eleventh annual meat buck performance test started June 6, 2009 with 93 bucks enrolled from 16 different breeders (51 bucks from private producers and 42 from Langston University). Geographical distribution is given in the table below.

State	Bucks
KS	7
NE	9
OK	18 (42)
TX	17
Total	51 (93)

Breed distribution is 77 Boer (42 Boer from Langston University); 1 Boer Cross; 9 Kiko; 3 Ranger; and 3 Spanish.

Bucks were given a physical examination by Dr. Lionel Dawson, dewormed with Cydectin (moxidectin), deloused with Atroban De-Lice, given a preemptive injection of long-acting antibiotic for upper respiratory infections, and those bucks that needed booster or initial vaccinations for enterotoxemia and caseous lymphandinitis. All bucks underwent a two-week adjustment period and the test officially started on June 24, 2009.

Half of the bucks were randomly assigned within breeder to either Calan feeders or Feed Intake Recording Equipment (FIRE) system.

Average age in days and entry weight are detailed in the table below.

Data	Total
Average of Entry Weight (lbs)	42
Average of Entry Age (days)	84

Adjustment Period

All bucks underwent an adjustment period of two weeks immediately after check-in. During the adjustment period, bucks were acclimated to the test ration and to the Calan feeders or to the FIRE system. For the Calan feeders, each buck wears 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, yesterday’s feed that remains in the Calan feeder 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 placed 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. For the FIRE system, feed intake is automatically recorded every time a buck enters into the FIRE system to eat.

The area immediately around Calan and FIRE 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 float-valve raised waterers. Whenever the weather was permitting, the bucks had access to the outside pens as well as the inside pens.

This year we were fortunate to hire a Langston University undergraduate, Ms. Amanda Manley, to help with the bucks. Amanda has done a wonderful job with the bucks.

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%
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 for 2003, 2004, 2005, 2006, 2007, and Stillwater Milling in 2008 and 2009.

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.

Gain

The official performance test started on May 21 after the adjustment period was finished. Weights at the beginning of the test averaged 51 lbs with a range of 32 to 84 lbs. Weights at the end of the test averaged 92 lbs with a range of 65 to 139 lbs. **Weight gain for the test averaged 41 lbs with a range of 18 to 64 lbs.**

Average Daily Gain (ADG)

For the test, the bucks gained on averaged 0.49 lbs/day with a range of 0.21 lbs/day to 0.76 lbs/day.

Feed Efficiency (Feed Conversion Ratio)

For the test, the bucks consumed an average of 294 lbs of feed with a range of 154 to 496 lbs.

For the test, the bucks averaged a feed efficiency of 7.34 (feed efficiency is defined as the number of lbs. of feed needed for one lbs. of gain), with a range of 4.22 to 11.79.

Muscling

The average loin eye area as determined by ultrasonography was 1.8 square inches with a range of 1.2 to 2.3 square inches and the average right rear leg circumference was 14.9 inches with a range of 12.0 to 19.5 inches.

Index

For 2009, 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 right rear leg as measured with a tailor's tape adjusted by the goat's metabolic body weight:

$$\frac{\text{circumference of right rear leg}}{BW^{0.75}}$$

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:

- Ms. Sam Stephens of Elm Creek, NE
for having the Top-Indexing buck
in the 2009 Oklahoma Meat Buck Performance Test

Also, deserving congratulations are:

- Mr. Sam Stephens of Elm Creek, NE
for having the #1 Fastest-Gaining buck
- Mr. Jim Rosenbaum of Gainesville, TX
for having the #2 Fastest-Gaining buck
- Mr. A.L. Paul of Aubry, TX
for having the #3 (tie) Fastest-Gaining buck
- Mr. Jim Hollinger of Lyons, KS
for having the #3 (tie) Fastest-Gaining buck
- Mr. Ron Dilley of Stillwater, OK
for having the #5 (tie) Fastest-Gaining buck
- Mr. John Scott of Lexington, NE
for having the #5 (tie) Fastest-Gaining buck
- Mr. Jim Hicks of Bristow, OK
for having the Most-Feed-Efficient buck
- Mr. Cody Gann of Sonora, TX
for having the Most-Heavily-Muscled buck

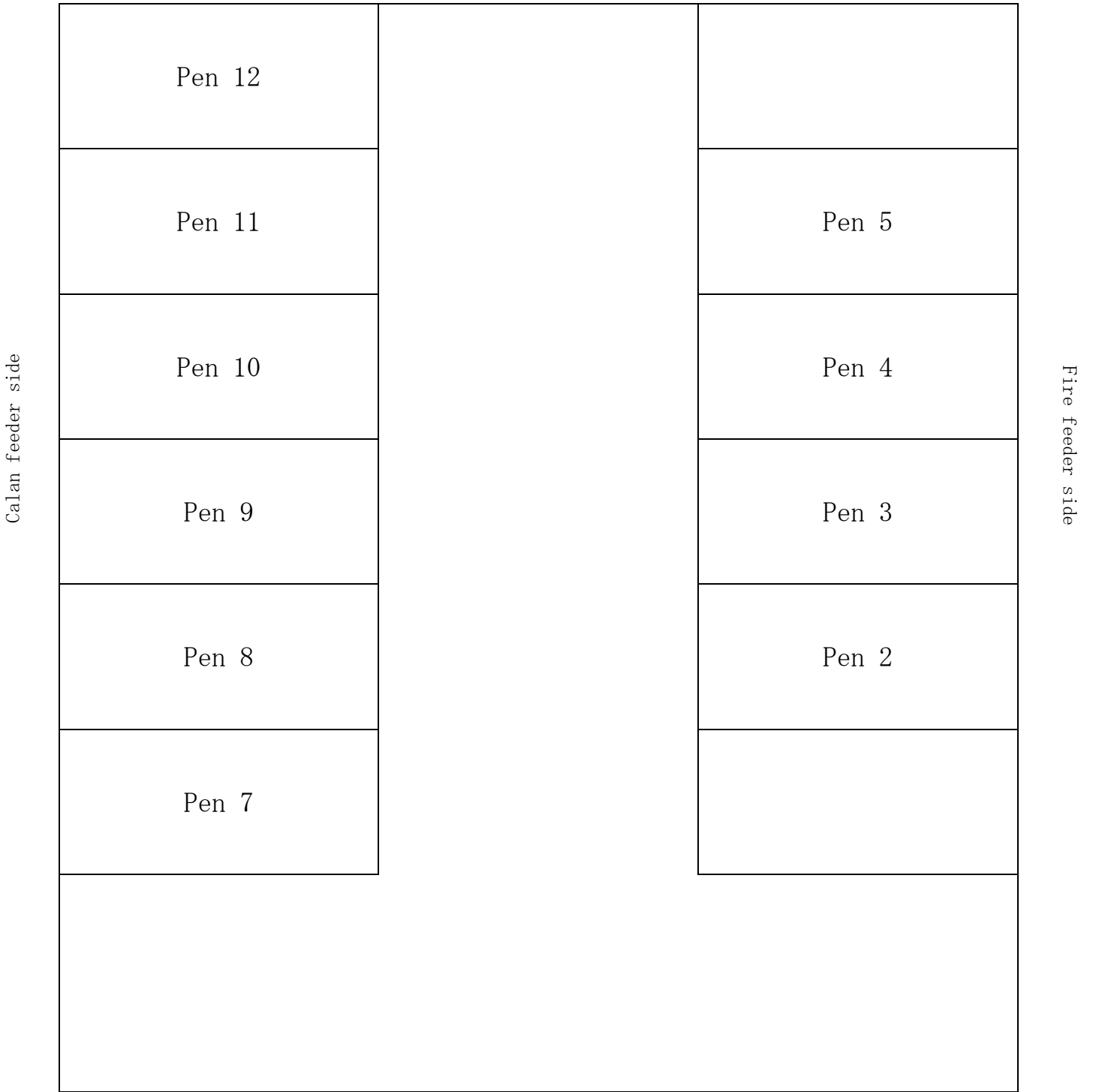
Acknowledgments

The Buck Test supervisor wishes to acknowledge Dr. Lionel Dawson of Oklahoma State University for his contributions as the admitting and on-call veterinarian, Ms. Amanda Manley for her management and oversight of the day-to-day activities, Mr. Jerry Hayes and Mr. Erick Loetz 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 Stillwater Milling for custom mixing the feed.

2009 Buck Performance Test supervised by Dr. Wenping Hu
and assisted by Dr. Terry A. Gipson

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

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Map of South Barn showing location of pens.

Table 1. Bucks sorted by Index score.

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Stephens, Sam and Michelle	47089	2	Boer	03/05/09	63	75	107	139	64	0.76	432.7	6.77	2.1	18.0	100.99
Hicks, Jim	49043	4	Boer	03/15/09	40	34	51	73	39	0.46	175.0	4.54	1.8	14.5	100.88
Wertman, Stephanie	49064	4	Boer	04/11/09	35	48	75	99	51	0.60	293.1	5.79	2.0	15.0	100.83
Perry, Michelle	49054	4	Boer	03/25/09	35	42	66	91	50	0.59	264.2	5.33	1.6	15.5	100.83
Paul, AL	49063	2	Boer	01/31/09	59	63	93	116	53	0.63	361.0	6.83	2.2	16.5	100.68
Stephens, Jessica	47086	5	Boer	04/03/09	30	37	61	84	46	0.55	254.4	5.50	1.6	14.0	100.65
Hollinger, Jim and Mary	48098	2	Boer	02/28/09	67	61	90	113	53	0.63	363.0	6.87	2.3	14.5	100.65
Dilley, Ron	49072	2	Boer	03/08/09	63	63	89	115	52	0.62	317.8	6.14	1.7	17.0	100.59
Stephens, Sam and Michelle	47098	4	Boer	04/05/09	37	48	74	96	47	0.56	275.8	5.82	1.8	14.0	100.54
Rosenbaum, Jim	49071	2	Boer	03/18/09	64	79	113	138	58	0.69	496.1	8.50	2.2	18.0	100.39
Scott's Boer Goats	47099	8	Boer	02/26/09	51	58	87	110	52	0.62	408.8	7.90	2.0	15.5	100.34
Los Cuernos Ranch	49056	9	Boer	02/06/09	50	56	78	106	50	0.59	372.7	7.52	1.7	14.5	100.14
Johnston, Hank and Shana	49075	2	Boer	03/02/09	65	76	106	126	50	0.59	377.6	7.62	1.8	18.0	100.14
Gibbs, Jeff	480107	2	Boer	01/27/09	72	76	106	122	46	0.55	379.9	8.21	2.3	18.0	100.12
Paul, AL	49061	3	Boer	02/22/09	48	48	69	88	40	0.47	252.7	6.37	1.5	15.0	100.09
Stephens, Sam and Michelle	47097	2	Boer	02/16/09	63	76	104	124	48	0.58	413.5	8.53	2.3	16.5	100.07
Johnston, Hank and Shana	48097	2	Boer	03/03/09	52	54	67	97	43	0.51	288.7	6.72	1.5	15.0	100.04
Stephens, Sam and Michelle	47090	11	Boer	04/06/09	22	26	39	57	31	0.37	190.7	6.18	1.2	12.5	99.99
Los Cuernos Ranch	49050	3	Boer	02/04/09	54	62	86	107	45	0.54	357.9	7.93	1.6	17.0	99.94
Los Cuernos Ranch	49046	4	Spanish	02/06/09	37	47	72	80	33	0.39	234.5	7.10	1.6	16.5	99.93
Hicks, Jim	49042	10	Boer	03/22/09	42	43	56	78	35	0.42	238.2	6.76	1.5	14.0	99.91
Shivers, Sky and Debra	49068	3	Kiko	02/27/09	47	58	85	105	46	0.55	415.9	8.99	1.9	16.0	99.87
Stephens, Sam and Michelle	47088	7	Boer	02/14/09	66	81	111	131	50	0.59	433.7	8.75	1.9	16.5	99.82
Stephens, Sam and Michelle	47096	7	Boer	02/12/09	76	88	127	135	47	0.56	437.6	9.24	2.2	18.5	99.78
Los Cuernos Ranch	49049	3	Boer	02/11/09	54	62	67	100	39	0.46	262.5	6.81	1.4	15.0	99.73
Johnston, Hank and Shana	48096	7	Boer	03/02/09	68	87	115	135	48	0.58	420.0	8.67	1.8	16.5	99.72
Los Cuernos Ranch	49047	8	Boer	02/03/09	55	63	90	106	43	0.51	395.9	9.22	2.0	16.0	99.70
Paul, AL	49055	8	Boer	02/02/09	56	70	79	106	35	0.42	278.2	7.90	2.0	16.0	99.63
Sandness, Duff and Laura	49070	9	Kiko	01/28/09	46	65	89	110	45	0.54	392.2	8.69	1.8	13.0	99.61
Dilley, Ron	49073	7	Boer	03/09/09	76	84	107	129	45	0.54	437.1	9.68	2.0	17.0	99.51
Shivers, Sky and Debra	49067	8	Kiko	01/20/09	51	68	70	99	31	0.37	238.0	7.72	1.9	15.5	99.49
Rosenbaum, Jim	49065	8	Boer-X	02/20/09	57	79	109	121	42	0.50	416.9	9.96	2.3	16.5	99.48
Hollinger, Jim and Mary	48099	7	Boer	01/12/09	83	95	121	134	40	0.47	360.1	9.08	2.2	18.0	99.44
Stephens, Sam and Michelle	47087	3	Boer	03/05/09	46	57	70	88	31	0.37	246.4	7.99	1.6	15.5	99.44
Dilley, Ron	49074	7	Boer	02/04/09	80	97	128	141	44	0.52	449.0	10.19	2.1	19.5	99.37
Perry, Michelle	49053	9	Boer	03/25/09	42	50	61	81	32	0.38	249.4	7.81	1.3	13.0	99.28
Los Cuernos Ranch	49048	8	Ranger	01/06/09	52	67	95	100	33	0.39	321.7	9.74	2.0	17.0	99.27
Sandness, Duff and Laura	49052	9	Kiko	01/25/09	43	66	89	96	30	0.35	287.7	9.67	2.0	18.0	99.25
Los Cuernos Ranch	49058	9	Ranger	01/27/09	52	64	90	102	39	0.46	394.6	10.24	1.9	15.0	99.23
Sandness, Duff and Laura	49051	3	Kiko	01/24/09	46	53	75	85	32	0.38	302.9	9.48	1.5	15.0	99.12
Los Cuernos Ranch	49044	8	Spanish	01/10/09	53	65	94	102	37	0.45	394.2	10.53	1.8	15.5	99.11
Pinneo, Wesley and Beverly	49059	8	Kiko	03/01/09	42	48	63	73	24	0.29	218.0	9.00	1.5	14.5	99.06
Paul, AL	49062	9	Boer	02/28/09	42	45	67	78	33	0.39	329.0	9.96	1.3	14.5	99.02
Shivers, Sky and Debra	49069	4	Kiko	01/26/09	39	46	67	72	25	0.30	222.0	8.77	1.4	12.5	98.95
Pinneo, Wesley and Beverly	49060	3	Kiko	03/01/09	47	55	78	85	30	0.35	311.9	10.49	1.5	15.5	98.82
Gibbs, Jeff	480108	2	Boer	01/27/09	86	96	127	133	37	0.45	426.4	11.39	1.8	17.5	98.69

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Los Cuernos Ranch	49045	7	Ranger	01/10/09	62	76	98	106	30	0.35	328.7	11.05	1.9	16.0	98.63
Gibbs, Jeff	480106	7	Boer	01/26/09	83	93	126	126	33	0.39	381.5	11.55	2.0	18.0	98.60
Los Cuernos Ranch	49057	5	Spanish	02/06/09	32	44	63	64	20	0.24	233.7	11.79	1.5	14.5	98.49
Shivers, Sky and Debra	49066	8	Kiko	02/21/09	48	56	50	74	18	0.21	182.1	10.34	1.5	13.5	98.36
LU	9207	3	Boer	02/24/09	43	55	74	94	39	0.46	268.8	6.97		15.5	
LU	9208	3	Boer	03/10/09	46	54	80	98	44	0.52	337.0	7.65		16.0	
LU	9204	4	Boer	02/24/09	41	48	62	83	34	0.41	154.5	4.52		15.0	
LU	92012	4	Boer	03/23/09	41	50	76	95	45	0.54	295.1	6.54		15.5	
LU	92014	4	Boer	03/25/09	36	46	65	83	36	0.43	226.0	6.22		14.0	
LU	92018	4	Boer	04/02/09	35	39	65	88	50	0.59	265.8	5.36		14.5	
LU	92016	5	Boer	03/25/09	28	30	50	77	47	0.56	270.3	5.71		15.0	
LU	92021	5	Boer	04/03/09	26	35	58	79	44	0.52	271.8	6.17		14.0	
LU	92022	5	Boer	04/06/09	31	39	62	80	42	0.50	280.7	6.71		14.5	
LU	92028	5	Boer	04/23/09	26	32	59	78	46	0.55	285.9	6.18		14.0	
LU	92029	5	Boer	04/23/09	22	29	47	67	39	0.46	232.6	6.04		12.5	
LU	92031	5	Boer	04/23/09	24	31	53	72	41	0.49	256.2	6.29		15.0	
LU	92034	5	Boer	04/26/09	22	26	46	65	39	0.46	204.5	5.31		12.5	
LU	92037	5	Boer	04/28/09	25	25	48	74	48	0.58	255.8	5.28		14.0	
LU	9201	9	Boer	02/23/09	50	65	95	118	53	0.63	417.8	7.90		16.5	
LU	99010	9	Boer	02/23/09	43	47	53	76	29	0.34	224.8	7.85		13.0	
LU	99024	9	Boer	03/15/09	43	54	64	79	25	0.30	247.3	9.76		13.0	
LU	92011	10	Boer	03/23/09	33	39	52	77	39	0.46	239.5	6.21		14.0	
LU	92015	10	Boer	03/25/09	34	41	44	69	29	0.34	209.5	7.32		13.0	
LU	92020	10	Boer	04/03/09	32	42	59	81	40	0.47	271.7	6.85		15.0	
LU	92023	10	Boer	04/06/09	32	41	53	78	37	0.45	233.6	6.24		12.5	
LU	92025	10	Boer	04/13/09	31	39	57	81	43	0.51	254.2	5.92		13.5	
LU	92030	10	Boer	04/23/09	31	41	65	96	55	0.66	337.5	6.13		15.0	
LU	92032	10	Boer	04/24/09	25	33	44	73	40	0.47	212.6	5.36		13.5	
LU	92035	10	Boer	04/27/09	31	33	57	84	51	0.60	279.6	5.52		14.0	
LU	92024	11	Boer	04/07/09	20	25	45	66	41	0.49	210.8	5.17		13.0	
LU	92027	11	Boer	04/18/09	20	24	47	67	43	0.51	199.0	4.63		12.5	
LU	92033	11	Boer	04/24/09	22	24	47	70	46	0.55	241.1	5.21		13.5	
LU	92043	11	Boer	05/03/09	19	22	43	65	43	0.51	224.4	5.23		13.5	
LU	92044	11	Boer	05/04/09	19	25	31	53	28	0.33	193.1	7.02		12.0	
LU	92047	11	Boer	05/07/09	18	24	43	64	40	0.47	167.3	4.22		13.0	
LU	92019	12	Boer	04/02/09	18	31	52	75	44	0.52	243.7	5.53		13.0	
LU	92038	12	Boer	04/29/09	18	21	35	58	37	0.45	201.7	5.39		13.5	
LU	92040	12	Boer	05/02/09	15	26	47	74	47	0.56	288.9	6.10		14.0	
LU	92041	12	Boer	05/03/09	18	29	40	66	37	0.45	193.5	5.17		12.5	
LU	92042	12	Boer	05/06/09	14	25	45	72	46	0.55	259.5	5.61		14.0	
LU	92046	12	Boer	05/07/09	15	24	45	68	44	0.52	248.0	5.63		13.0	
LU	92048	12	Boer	04/11/09	18	21	44	67	46	0.55	249.8	5.40		12.5	
LU	99033	12	Boer	05/14/09	17	29	48	70	42	0.50	251.4	6.01		13.0	
LU	99023	3	Boer	03/15/09	47	54	72	99	45	0.54	290.8	6.44		14.5	
Average					42	51	72	92	41	0.49	294.6	7.34	1.8	14.9	

Table 2. Bucks sorted by ADG.

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Stephens, Sam and Michelle	47089	2	Boer	03/05/09	63	75	107	139	64	0.76	432.7	6.77	2.1	18.0	100.99
Rosenbaum, Jim	49071	2	Boer	03/18/09	64	79	113	138	58	0.69	496.1	8.50	2.2	18.0	100.39
Paul, AL	49063	2	Boer	01/31/09	59	63	93	116	53	0.63	361.0	6.83	2.2	16.5	100.68
Hollinger, Jim and Mary	48098	2	Boer	02/28/09	67	61	90	113	53	0.63	363.0	6.87	2.3	14.5	100.65
Dilley, Ron	49072	2	Boer	03/08/09	63	63	89	115	52	0.62	317.8	6.14	1.7	17.0	100.59
Scott's Boer Goats	47099	8	Boer	02/26/09	51	58	87	110	52	0.62	408.8	7.90	2.0	15.5	100.34
Wertman, Stephanie	49064	4	Boer	04/11/09	35	48	75	99	51	0.60	293.1	5.79	2.0	15.0	100.83
Perry, Michelle	49054	4	Boer	03/25/09	35	42	66	91	50	0.59	264.2	5.33	1.6	15.5	100.83
Los Cuernos Ranch	49056	9	Boer	02/06/09	50	56	78	106	50	0.59	372.7	7.52	1.7	14.5	100.14
Johnston, Hank and Shana	49075	2	Boer	03/02/09	65	76	106	126	50	0.59	377.6	7.62	1.8	18.0	100.14
Stephens, Sam and Michelle	47088	7	Boer	02/14/09	66	81	111	131	50	0.59	433.7	8.75	1.9	16.5	99.82
Stephens, Sam and Michelle	47097	2	Boer	02/16/09	63	76	104	124	48	0.58	413.5	8.53	2.3	16.5	100.07
Johnston, Hank and Shana	48096	7	Boer	03/02/09	68	87	115	135	48	0.58	420.0	8.67	1.8	16.5	99.72
Stephens, Sam and Michelle	47098	4	Boer	04/05/09	37	48	74	96	47	0.56	275.8	5.82	1.8	14.0	100.54
Stephens, Sam and Michelle	47096	7	Boer	02/12/09	76	88	127	135	47	0.56	437.6	9.24	2.2	18.5	99.78
Stephens, Jessica	47086	5	Boer	04/03/09	30	37	61	84	46	0.55	254.4	5.50	1.6	14.0	100.65
Shivers, Sky and Debra	49068	3	Kiko	02/27/09	47	58	85	105	46	0.55	415.9	8.99	1.9	16.0	99.87
Gibbs, Jeff	480107	2	Boer	01/27/09	72	76	106	122	46	0.55	379.9	8.21	2.3	18.0	100.12
Los Cuernos Ranch	49050	3	Boer	02/04/09	54	62	86	107	45	0.54	357.9	7.93	1.6	17.0	99.94
Sandness, Duff and Laura	49070	9	Kiko	01/28/09	46	65	89	110	45	0.54	392.2	8.69	1.8	13.0	99.61
Dilley, Ron	49073	7	Boer	03/09/09	76	84	107	129	45	0.54	437.1	9.68	2.0	17.0	99.51
Dilley, Ron	49074	7	Boer	02/04/09	80	97	128	141	44	0.52	449.0	10.19	2.1	19.5	99.37
Johnston, Hank and Shana	48097	2	Boer	03/03/09	52	54	67	97	43	0.51	288.7	6.72	1.5	15.0	100.04
Los Cuernos Ranch	49047	8	Boer	02/03/09	55	63	90	106	43	0.51	395.9	9.22	2.0	16.0	99.70
Rosenbaum, Jim	49065	8	Boer-X	02/20/09	57	79	109	121	42	0.50	416.9	9.96	2.3	16.5	99.48
Paul, AL	49061	3	Boer	02/22/09	48	48	69	88	40	0.47	252.7	6.37	1.5	15.0	100.09
Hollinger, Jim and Mary	48099	7	Boer	01/12/09	83	95	121	134	40	0.47	360.1	9.08	2.2	18.0	99.44
Hicks, Jim	49043	4	Boer	03/15/09	40	34	51	73	39	0.46	175.0	4.54	1.8	14.5	100.88
Los Cuernos Ranch	49058	9	Ranger	01/27/09	52	64	90	102	39	0.46	394.6	10.24	1.9	15.0	99.23
Los Cuernos Ranch	49049	3	Boer	02/11/09	54	62	67	100	39	0.46	262.5	6.81	1.4	15.0	99.73
Gibbs, Jeff	480108	2	Boer	01/27/09	86	96	127	133	37	0.45	426.4	11.39	1.8	17.5	98.69
Los Cuernos Ranch	49044	8	Spanish	01/10/09	53	65	94	102	37	0.45	394.2	10.53	1.8	15.5	99.11
Paul, AL	49055	8	Boer	02/02/09	56	70	79	106	35	0.42	278.2	7.90	2.0	16.0	99.63
Hicks, Jim	49042	10	Boer	03/22/09	42	43	56	78	35	0.42	238.2	6.76	1.5	14.0	99.91
Los Cuernos Ranch	49046	4	Spanish	02/06/09	37	47	72	80	33	0.39	234.5	7.10	1.6	16.5	99.93
Los Cuernos Ranch	49048	8	Ranger	01/06/09	52	67	95	100	33	0.39	321.7	9.74	2.0	17.0	99.27
Gibbs, Jeff	480106	7	Boer	01/26/09	83	93	126	126	33	0.39	381.5	11.55	2.0	18.0	98.60
Paul, AL	49062	9	Boer	02/28/09	42	45	67	78	33	0.39	329.0	9.96	1.3	14.5	99.02
Perry, Michelle	49053	9	Boer	03/25/09	42	50	61	81	32	0.38	249.4	7.81	1.3	13.0	99.28
Sandness, Duff and Laura	49051	3	Kiko	01/24/09	46	53	75	85	32	0.38	302.9	9.48	1.5	15.0	99.12
Stephens, Sam and Michelle	47087	3	Boer	03/05/09	46	57	70	88	31	0.37	246.4	7.99	1.6	15.5	99.44
Stephens, Sam and Michelle	47090	11	Boer	04/06/09	22	26	39	57	31	0.37	190.7	6.18	1.2	12.5	99.99
Shivers, Sky and Debra	49067	8	Kiko	01/20/09	51	68	70	99	31	0.37	238.0	7.72	1.9	15.5	99.49
Sandness, Duff and Laura	49052	9	Kiko	01/25/09	43	66	89	96	30	0.35	287.7	9.67	2.0	18.0	99.25
Pinneo, Wesley and Beverly	49060	3	Kiko	03/01/09	47	55	78	85	30	0.35	311.9	10.49	1.5	15.5	98.82
Los Cuernos Ranch	49045	7	Ranger	01/10/09	62	76	98	106	30	0.35	328.7	11.05	1.9	16.0	98.63

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Shivers, Sky and Debra	49069	4	Kiko	01/26/09	39	46	67	72	25	0.30	222.0	8.77	1.4	12.5	98.95
Pinneo, Wesley and Beverly	49059	8	Kiko	03/01/09	42	48	63	73	24	0.29	218.0	9.00	1.5	14.5	99.06
Los Cuernos Ranch	49057	5	Spanish	02/06/09	32	44	63	64	20	0.24	233.7	11.79	1.5	14.5	98.49
Shivers, Sky and Debra	49066	8	Kiko	02/21/09	48	56	50	74	18	0.21	182.1	10.34	1.5	13.5	98.36
LU	9207	3	Boer	02/24/09	43	55	74	94	39	0.46	268.8	6.97		15.5	
LU	9208	3	Boer	03/10/09	46	54	80	98	44	0.52	337.0	7.65		16.0	
LU	9204	4	Boer	02/24/09	41	48	62	83	34	0.41	154.5	4.52		15.0	
LU	92012	4	Boer	03/23/09	41	50	76	95	45	0.54	295.1	6.54		15.5	
LU	92014	4	Boer	03/25/09	36	46	65	83	36	0.43	226.0	6.22		14.0	
LU	92018	4	Boer	04/02/09	35	39	65	88	50	0.59	265.8	5.36		14.5	
LU	92016	5	Boer	03/25/09	28	30	50	77	47	0.56	270.3	5.71		15.0	
LU	92021	5	Boer	04/03/09	26	35	58	79	44	0.52	271.8	6.17		14.0	
LU	92022	5	Boer	04/06/09	31	39	62	80	42	0.50	280.7	6.71		14.5	
LU	92028	5	Boer	04/23/09	26	32	59	78	46	0.55	285.9	6.18		14.0	
LU	92029	5	Boer	04/23/09	22	29	47	67	39	0.46	232.6	6.04		12.5	
LU	92031	5	Boer	04/23/09	24	31	53	72	41	0.49	256.2	6.29		15.0	
LU	92034	5	Boer	04/26/09	22	26	46	65	39	0.46	204.5	5.31		12.5	
LU	92037	5	Boer	04/28/09	25	25	48	74	48	0.58	255.8	5.28		14.0	
LU	9201	9	Boer	02/23/09	50	65	95	118	53	0.63	417.8	7.90		16.5	
LU	99010	9	Boer	02/23/09	43	47	53	76	29	0.34	224.8	7.85		13.0	
LU	99024	9	Boer	03/15/09	43	54	64	79	25	0.30	247.3	9.76		13.0	
LU	92011	10	Boer	03/23/09	33	39	52	77	39	0.46	239.5	6.21		14.0	
LU	92015	10	Boer	03/25/09	34	41	44	69	29	0.34	209.5	7.32		13.0	
LU	92020	10	Boer	04/03/09	32	42	59	81	40	0.47	271.7	6.85		15.0	
LU	92023	10	Boer	04/06/09	32	41	53	78	37	0.45	233.6	6.24		12.5	
LU	92025	10	Boer	04/13/09	31	39	57	81	43	0.51	254.2	5.92		13.5	
LU	92030	10	Boer	04/23/09	31	41	65	96	55	0.66	337.5	6.13		15.0	
LU	92032	10	Boer	04/24/09	25	33	44	73	40	0.47	212.6	5.36		13.5	
LU	92035	10	Boer	04/27/09	31	33	57	84	51	0.60	279.6	5.52		14.0	
LU	92024	11	Boer	04/07/09	20	25	45	66	41	0.49	210.8	5.17		13.0	
LU	92027	11	Boer	04/18/09	20	24	47	67	43	0.51	199.0	4.63		12.5	
LU	92033	11	Boer	04/24/09	22	24	47	70	46	0.55	241.1	5.21		13.5	
LU	92043	11	Boer	05/03/09	19	22	43	65	43	0.51	224.4	5.23		13.5	
LU	92044	11	Boer	05/04/09	19	25	31	53	28	0.33	193.1	7.02		12.0	
LU	92047	11	Boer	05/07/09	18	24	43	64	40	0.47	167.3	4.22		13.0	
LU	92019	12	Boer	04/02/09	18	31	52	75	44	0.52	243.7	5.53		13.0	
LU	92038	12	Boer	04/29/09	18	21	35	58	37	0.45	201.7	5.39		13.5	
LU	92040	12	Boer	05/02/09	15	26	47	74	47	0.56	288.9	6.10		14.0	
LU	92041	12	Boer	05/03/09	18	29	40	66	37	0.45	193.5	5.17		12.5	
LU	92042	12	Boer	05/06/09	14	25	45	72	46	0.55	259.5	5.61		14.0	
LU	92046	12	Boer	05/07/09	15	24	45	68	44	0.52	248.0	5.63		13.0	
LU	92048	12	Boer	04/11/09	18	21	44	67	46	0.55	249.8	5.40		12.5	
LU	99033	12	Boer	05/14/09	17	29	48	70	42	0.50	251.4	6.01		13.0	
LU	99023	3	Boer	03/15/09	47	54	72	99	45	0.54	290.8	6.44		14.5	
Average					42	51	72	92	41	0.49	294.6	7.34	1.8	14.9	

Table 3. Bucks sorted by FE.

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Hicks, Jim	49043	4	Boer	03/15/09	40	34	51	73	39	0.46	175.0	4.54	1.8	14.5	100.88
Perry, Michelle	49054	4	Boer	03/25/09	35	42	66	91	50	0.59	264.2	5.33	1.6	15.5	100.83
Stephens, Jessica	47086	5	Boer	04/03/09	30	37	61	84	46	0.55	254.4	5.50	1.6	14.0	100.65
Wertman, Stephanie	49064	4	Boer	04/11/09	35	48	75	99	51	0.60	293.1	5.79	2.0	15.0	100.83
Stephens, Sam and Michelle	47098	4	Boer	04/05/09	37	48	74	96	47	0.56	275.8	5.82	1.8	14.0	100.54
Dilley, Ron	49072	2	Boer	03/08/09	63	63	89	115	52	0.62	317.8	6.14	1.7	17.0	100.59
Stephens, Sam and Michelle	47090	11	Boer	04/06/09	22	26	39	57	31	0.37	190.7	6.18	1.2	12.5	99.99
Paul, AL	49061	3	Boer	02/22/09	48	48	69	88	40	0.47	252.7	6.37	1.5	15.0	100.09
Johnston, Hank and Shana	48097	2	Boer	03/03/09	52	54	67	97	43	0.51	288.7	6.72	1.5	15.0	100.04
Hicks, Jim	49042	10	Boer	03/22/09	42	43	56	78	35	0.42	238.2	6.76	1.5	14.0	99.91
Stephens, Sam and Michelle	47089	2	Boer	03/05/09	63	75	107	139	64	0.76	432.7	6.77	2.1	18.0	100.99
Los Cuernos Ranch	49049	3	Boer	02/11/09	54	62	67	100	39	0.46	262.5	6.81	1.4	15.0	99.73
Paul, AL	49063	2	Boer	01/31/09	59	63	93	116	53	0.63	361.0	6.83	2.2	16.5	100.68
Hollinger, Jim and Mary	48098	2	Boer	02/28/09	67	61	90	113	53	0.63	363.0	6.87	2.3	14.5	100.65
Los Cuernos Ranch	49046	4	Spanish	02/06/09	37	47	72	80	33	0.39	234.5	7.10	1.6	16.5	99.93
Los Cuernos Ranch	49056	9	Boer	02/06/09	50	56	78	106	50	0.59	372.7	7.52	1.7	14.5	100.14
Johnston, Hank and Shana	49075	2	Boer	03/02/09	65	76	106	126	50	0.59	377.6	7.62	1.8	18.0	100.14
Shivers, Sky and Debra	49067	8	Kiko	01/20/09	51	68	70	99	31	0.37	238.0	7.72	1.9	15.5	99.49
Perry, Michelle	49053	9	Boer	03/25/09	42	50	61	81	32	0.38	249.4	7.81	1.3	13.0	99.28
Paul, AL	49055	8	Boer	02/02/09	56	70	79	106	35	0.42	278.2	7.90	2.0	16.0	99.63
Scott's Boer Goats	47099	8	Boer	02/26/09	51	58	87	110	52	0.62	408.8	7.90	2.0	15.5	100.34
Los Cuernos Ranch	49050	3	Boer	02/04/09	54	62	86	107	45	0.54	357.9	7.93	1.6	17.0	99.94
Stephens, Sam and Michelle	47087	3	Boer	03/05/09	46	57	70	88	31	0.37	246.4	7.99	1.6	15.5	99.44
Gibbs, Jeff	480107	2	Boer	01/27/09	72	76	106	122	46	0.55	379.9	8.21	2.3	18.0	100.12
Rosenbaum, Jim	49071	2	Boer	03/18/09	64	79	113	138	58	0.69	496.1	8.50	2.2	18.0	100.39
Stephens, Sam and Michelle	47097	2	Boer	02/16/09	63	76	104	124	48	0.58	413.5	8.53	2.3	16.5	100.07
Johnston, Hank and Shana	48096	7	Boer	03/02/09	68	87	115	135	48	0.58	420.0	8.67	1.8	16.5	99.72
Sandness, Duff and Laura	49070	9	Kiko	01/28/09	46	65	89	110	45	0.54	392.2	8.69	1.8	13.0	99.61
Stephens, Sam and Michelle	47088	7	Boer	02/14/09	66	81	111	131	50	0.59	433.7	8.75	1.9	16.5	99.82
Shivers, Sky and Debra	49069	4	Kiko	01/26/09	39	46	67	72	25	0.30	222.0	8.77	1.4	12.5	98.95
Shivers, Sky and Debra	49068	3	Kiko	02/27/09	47	58	85	105	46	0.55	415.9	8.99	1.9	16.0	99.87
Pinneo, Wesley and Beverly	49059	8	Kiko	03/01/09	42	48	63	73	24	0.29	218.0	9.00	1.5	14.5	99.06
Hollinger, Jim and Mary	48099	7	Boer	01/12/09	83	95	121	134	40	0.47	360.1	9.08	2.2	18.0	99.44
Los Cuernos Ranch	49047	8	Boer	02/03/09	55	63	90	106	43	0.51	395.9	9.22	2.0	16.0	99.70
Stephens, Sam and Michelle	47096	7	Boer	02/12/09	76	88	127	135	47	0.56	437.6	9.24	2.2	18.5	99.78
Sandness, Duff and Laura	49051	3	Kiko	01/24/09	46	53	75	85	32	0.38	302.9	9.48	1.5	15.0	99.12
Sandness, Duff and Laura	49052	9	Kiko	01/25/09	43	66	89	96	30	0.35	287.7	9.67	2.0	18.0	99.25
Dilley, Ron	49073	7	Boer	03/09/09	76	84	107	129	45	0.54	437.1	9.68	2.0	17.0	99.51
Los Cuernos Ranch	49048	8	Ranger	01/06/09	52	67	95	100	33	0.39	321.7	9.74	2.0	17.0	99.27
Paul, AL	49062	9	Boer	02/28/09	42	45	67	78	33	0.39	329.0	9.96	1.3	14.5	99.02
Rosenbaum, Jim	49065	8	Boer-X	02/20/09	57	79	109	121	42	0.50	416.9	9.96	2.3	16.5	99.48
Dilley, Ron	49074	7	Boer	02/04/09	80	97	128	141	44	0.52	449.0	10.19	2.1	19.5	99.37
Los Cuernos Ranch	49058	9	Ranger	01/27/09	52	64	90	102	39	0.46	394.6	10.24	1.9	15.0	99.23
Shivers, Sky and Debra	49066	8	Kiko	02/21/09	48	56	50	74	18	0.21	182.1	10.34	1.5	13.5	98.36
Pinneo, Wesley and Beverly	49060	3	Kiko	03/01/09	47	55	78	85	30	0.35	311.9	10.49	1.5	15.5	98.82
Los Cuernos Ranch	49044	8	Spanish	01/10/09	53	65	94	102	37	0.45	394.2	10.53	1.8	15.5	99.11

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Los Cuernos Ranch	49045	7	Ranger	01/10/09	62	76	98	106	30	0.35	328.7	11.05	1.9	16.0	98.63
Gibbs, Jeff	480108	2	Boer	01/27/09	86	96	127	133	37	0.45	426.4	11.39	1.8	17.5	98.69
Gibbs, Jeff	480106	7	Boer	01/26/09	83	93	126	126	33	0.39	381.5	11.55	2.0	18.0	98.60
Los Cuernos Ranch	49057	5	Spanish	02/06/09	32	44	63	64	20	0.24	233.7	11.79	1.5	14.5	98.49
LU	9207	3	Boer	02/24/09	43	55	74	94	39	0.46	268.8	6.97		15.5	
LU	9208	3	Boer	03/10/09	46	54	80	98	44	0.52	337.0	7.65		16.0	
LU	9204	4	Boer	02/24/09	41	48	62	83	34	0.41	154.5	4.52		15.0	
LU	92012	4	Boer	03/23/09	41	50	76	95	45	0.54	295.1	6.54		15.5	
LU	92014	4	Boer	03/25/09	36	46	65	83	36	0.43	226.0	6.22		14.0	
LU	92018	4	Boer	04/02/09	35	39	65	88	50	0.59	265.8	5.36		14.5	
LU	92016	5	Boer	03/25/09	28	30	50	77	47	0.56	270.3	5.71		15.0	
LU	92021	5	Boer	04/03/09	26	35	58	79	44	0.52	271.8	6.17		14.0	
LU	92022	5	Boer	04/06/09	31	39	62	80	42	0.50	280.7	6.71		14.5	
LU	92028	5	Boer	04/23/09	26	32	59	78	46	0.55	285.9	6.18		14.0	
LU	92029	5	Boer	04/23/09	22	29	47	67	39	0.46	232.6	6.04		12.5	
LU	92031	5	Boer	04/23/09	24	31	53	72	41	0.49	256.2	6.29		15.0	
LU	92034	5	Boer	04/26/09	22	26	46	65	39	0.46	204.5	5.31		12.5	
LU	92037	5	Boer	04/28/09	25	25	48	74	48	0.58	255.8	5.28		14.0	
LU	9201	9	Boer	02/23/09	50	65	95	118	53	0.63	417.8	7.90		16.5	
LU	99010	9	Boer	02/23/09	43	47	53	76	29	0.34	224.8	7.85		13.0	
LU	99024	9	Boer	03/15/09	43	54	64	79	25	0.30	247.3	9.76		13.0	
LU	92011	10	Boer	03/23/09	33	39	52	77	39	0.46	239.5	6.21		14.0	
LU	92015	10	Boer	03/25/09	34	41	44	69	29	0.34	209.5	7.32		13.0	
LU	92020	10	Boer	04/03/09	32	42	59	81	40	0.47	271.7	6.85		15.0	
LU	92023	10	Boer	04/06/09	32	41	53	78	37	0.45	233.6	6.24		12.5	
LU	92025	10	Boer	04/13/09	31	39	57	81	43	0.51	254.2	5.92		13.5	
LU	92030	10	Boer	04/23/09	31	41	65	96	55	0.66	337.5	6.13		15.0	
LU	92032	10	Boer	04/24/09	25	33	44	73	40	0.47	212.6	5.36		13.5	
LU	92035	10	Boer	04/27/09	31	33	57	84	51	0.60	279.6	5.52		14.0	
LU	92024	11	Boer	04/07/09	20	25	45	66	41	0.49	210.8	5.17		13.0	
LU	92027	11	Boer	04/18/09	20	24	47	67	43	0.51	199.0	4.63		12.5	
LU	92033	11	Boer	04/24/09	22	24	47	70	46	0.55	241.1	5.21		13.5	
LU	92043	11	Boer	05/03/09	19	22	43	65	43	0.51	224.4	5.23		13.5	
LU	92044	11	Boer	05/04/09	19	25	31	53	28	0.33	193.1	7.02		12.0	
LU	92047	11	Boer	05/07/09	18	24	43	64	40	0.47	167.3	4.22		13.0	
LU	92019	12	Boer	04/02/09	18	31	52	75	44	0.52	243.7	5.53		13.0	
LU	92038	12	Boer	04/29/09	18	21	35	58	37	0.45	201.7	5.39		13.5	
LU	92040	12	Boer	05/02/09	15	26	47	74	47	0.56	288.9	6.10		14.0	
LU	92041	12	Boer	05/03/09	18	29	40	66	37	0.45	193.5	5.17		12.5	
LU	92042	12	Boer	05/06/09	14	25	45	72	46	0.55	259.5	5.61		14.0	
LU	92046	12	Boer	05/07/09	15	24	45	68	44	0.52	248.0	5.63		13.0	
LU	92048	12	Boer	04/11/09	18	21	44	67	46	0.55	249.8	5.40		12.5	
LU	99033	12	Boer	05/14/09	17	29	48	70	42	0.50	251.4	6.01		13.0	
LU	99023	3	Boer	03/15/09	47	54	72	99	45	0.54	290.8	6.44		14.5	
Average					42	51	72	92	41	0.49	294.6	7.34	1.8	14.9	

Table 4. Bucks sorted by breeder.

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Dilley, Ron	49072	2	Boer	03/08/09	63	63	89	115	52	0.62	317.8	6.14	1.7	17.0	100.59
Dilley, Ron	49073	7	Boer	03/09/09	76	84	107	129	45	0.54	437.1	9.68	2.0	17.0	99.51
Dilley, Ron	49074	7	Boer	02/04/09	80	97	128	141	44	0.52	449.0	10.19	2.1	19.5	99.37
Gibbs, Jeff	480107	2	Boer	01/27/09	72	76	106	122	46	0.55	379.9	8.21	2.3	18.0	100.12
Gibbs, Jeff	480108	2	Boer	01/27/09	86	96	127	133	37	0.45	426.4	11.39	1.8	17.5	98.69
Gibbs, Jeff	480106	7	Boer	01/26/09	83	93	126	126	33	0.39	381.5	11.55	2.0	18.0	98.60
Hicks, Jim	49043	4	Boer	03/15/09	40	34	51	73	39	0.46	175.0	4.54	1.8	14.5	100.88
Hicks, Jim	49042	10	Boer	03/22/09	42	43	56	78	35	0.42	238.2	6.76	1.5	14.0	99.91
Hollinger, Jim and Mary	48098	2	Boer	02/28/09	67	61	90	113	53	0.63	363.0	6.87	2.3	14.5	100.65
Hollinger, Jim and Mary	48099	7	Boer	01/12/09	83	95	121	134	40	0.47	360.1	9.08	2.2	18.0	99.44
Johnston, Hank and Shana	48097	2	Boer	03/03/09	52	54	67	97	43	0.51	288.7	6.72	1.5	15.0	100.04
Johnston, Hank and Shana	49075	2	Boer	03/02/09	65	76	106	126	50	0.59	377.6	7.62	1.8	18.0	100.14
Johnston, Hank and Shana	48096	7	Boer	03/02/09	68	87	115	135	48	0.58	420.0	8.67	1.8	16.5	99.72
Los Cuernos Ranch	49049	3	Boer	02/11/09	54	62	67	100	39	0.46	262.5	6.81	1.4	15.0	99.73
Los Cuernos Ranch	49046	4	Spanish	02/06/09	37	47	72	80	33	0.39	234.5	7.10	1.6	16.5	99.93
Los Cuernos Ranch	49056	9	Boer	02/06/09	50	56	78	106	50	0.59	372.7	7.52	1.7	14.5	100.14
Los Cuernos Ranch	49050	3	Boer	02/04/09	54	62	86	107	45	0.54	357.9	7.93	1.6	17.0	99.94
Los Cuernos Ranch	49047	8	Boer	02/03/09	55	63	90	106	43	0.51	395.9	9.22	2.0	16.0	99.70
Los Cuernos Ranch	49048	8	Ranger	01/06/09	52	67	95	100	33	0.39	321.7	9.74	2.0	17.0	99.27
Los Cuernos Ranch	49058	9	Ranger	01/27/09	52	64	90	102	39	0.46	394.6	10.24	1.9	15.0	99.23
Los Cuernos Ranch	49044	8	Spanish	01/10/09	53	65	94	102	37	0.45	394.2	10.53	1.8	15.5	99.11
Los Cuernos Ranch	49045	7	Ranger	01/10/09	62	76	98	106	30	0.35	328.7	11.05	1.9	16.0	98.63
Los Cuernos Ranch	49057	5	Spanish	02/06/09	32	44	63	64	20	0.24	233.7	11.79	1.5	14.5	98.49
Paul, AL	49061	3	Boer	02/22/09	48	48	69	88	40	0.47	252.7	6.37	1.5	15.0	100.09
Paul, AL	49063	2	Boer	01/31/09	59	63	93	116	53	0.63	361.0	6.83	2.2	16.5	100.68
Paul, AL	49055	8	Boer	02/02/09	56	70	79	106	35	0.42	278.2	7.90	2.0	16.0	99.63
Paul, AL	49062	9	Boer	02/28/09	42	45	67	78	33	0.39	329.0	9.96	1.3	14.5	99.02
Perry, Michelle	49054	4	Boer	03/25/09	35	42	66	91	50	0.59	264.2	5.33	1.6	15.5	100.83
Perry, Michelle	49053	9	Boer	03/25/09	42	50	61	81	32	0.38	249.4	7.81	1.3	13.0	99.28
Pinneo, Wesley and Beverly	49059	8	Kiko	03/01/09	42	48	63	73	24	0.29	218.0	9.00	1.5	14.5	99.06
Pinneo, Wesley and Beverly	49060	3	Kiko	03/01/09	47	55	78	85	30	0.35	311.9	10.49	1.5	15.5	98.82
Rosenbaum, Jim	49071	2	Boer	03/18/09	64	79	113	138	58	0.69	496.1	8.50	2.2	18.0	100.39
Rosenbaum, Jim	49065	8	Boer-X	02/20/09	57	79	109	121	42	0.50	416.9	9.96	2.3	16.5	99.48
Sandness, Duff and Laura	49070	9	Kiko	01/28/09	46	65	89	110	45	0.54	392.2	8.69	1.8	13.0	99.61
Sandness, Duff and Laura	49051	3	Kiko	01/24/09	46	53	75	85	32	0.38	302.9	9.48	1.5	15.0	99.12
Sandness, Duff and Laura	49052	9	Kiko	01/25/09	43	66	89	96	30	0.35	287.7	9.67	2.0	18.0	99.25
Scott's Boer Goats	47099	8	Boer	02/26/09	51	58	87	110	52	0.62	408.8	7.90	2.0	15.5	100.34
Shivers, Sky and Debra	49067	8	Kiko	01/20/09	51	68	70	99	31	0.37	238.0	7.72	1.9	15.5	99.49
Shivers, Sky and Debra	49069	4	Kiko	01/26/09	39	46	67	72	25	0.30	222.0	8.77	1.4	12.5	98.95
Shivers, Sky and Debra	49068	3	Kiko	02/27/09	47	58	85	105	46	0.55	415.9	8.99	1.9	16.0	99.87
Shivers, Sky and Debra	49066	8	Kiko	02/21/09	48	56	50	74	18	0.21	182.1	10.34	1.5	13.5	98.36
Stephens, Jessica	47086	5	Boer	04/03/09	30	37	61	84	46	0.55	254.4	5.50	1.6	14.0	100.65
Stephens, Sam and Michelle	47098	4	Boer	04/05/09	37	48	74	96	47	0.56	275.8	5.82	1.8	14.0	100.54
Stephens, Sam and Michelle	47090	11	Boer	04/06/09	22	26	39	57	31	0.37	190.7	6.18	1.2	12.5	99.99
Stephens, Sam and Michelle	47089	2	Boer	03/05/09	63	75	107	139	64	0.76	432.7	6.77	2.1	18.0	100.99
Stephens, Sam and Michelle	47087	3	Boer	03/05/09	46	57	70	88	31	0.37	246.4	7.99	1.6	15.5	99.44

Owner	ID	Pen	Breed	Birth date	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
					Entry	Start	Mid	End							
Stephens, Sam and Michelle	47097	2	Boer	02/16/09	63	76	104	124	48	0.58	413.5	8.53	2.3	16.5	100.07
Stephens, Sam and Michelle	47088	7	Boer	02/14/09	66	81	111	131	50	0.59	433.7	8.75	1.9	16.5	99.82
Stephens, Sam and Michelle	47096	7	Boer	02/12/09	76	88	127	135	47	0.56	437.6	9.24	2.2	18.5	99.78
Wertman, Stephanie	49064	4	Boer	04/11/09	35	48	75	99	51	0.60	293.1	5.79	2.0	15.0	100.83
LU	9207	3	Boer	02/24/09	43	55	74	94	39	0.46	268.8	6.97		15.5	
LU	9208	3	Boer	03/10/09	46	54	80	98	44	0.52	337.0	7.65		16.0	
LU	9204	4	Boer	02/24/09	41	48	62	83	34	0.41	154.5	4.52		15.0	
LU	92012	4	Boer	03/23/09	41	50	76	95	45	0.54	295.1	6.54		15.5	
LU	92014	4	Boer	03/25/09	36	46	65	83	36	0.43	226.0	6.22		14.0	
LU	92018	4	Boer	04/02/09	35	39	65	88	50	0.59	265.8	5.36		14.5	
LU	92016	5	Boer	03/25/09	28	30	50	77	47	0.56	270.3	5.71		15.0	
LU	92021	5	Boer	04/03/09	26	35	58	79	44	0.52	271.8	6.17		14.0	
LU	92022	5	Boer	04/06/09	31	39	62	80	42	0.50	280.7	6.71		14.5	
LU	92028	5	Boer	04/23/09	26	32	59	78	46	0.55	285.9	6.18		14.0	
LU	92029	5	Boer	04/23/09	22	29	47	67	39	0.46	232.6	6.04		12.5	
LU	92031	5	Boer	04/23/09	24	31	53	72	41	0.49	256.2	6.29		15.0	
LU	92034	5	Boer	04/26/09	22	26	46	65	39	0.46	204.5	5.31		12.5	
LU	92037	5	Boer	04/28/09	25	25	48	74	48	0.58	255.8	5.28		14.0	
LU	9201	9	Boer	02/23/09	50	65	95	118	53	0.63	417.8	7.90		16.5	
LU	99010	9	Boer	02/23/09	43	47	53	76	29	0.34	224.8	7.85		13.0	
LU	99024	9	Boer	03/15/09	43	54	64	79	25	0.30	247.3	9.76		13.0	
LU	92011	10	Boer	03/23/09	33	39	52	77	39	0.46	239.5	6.21		14.0	
LU	92015	10	Boer	03/25/09	34	41	44	69	29	0.34	209.5	7.32		13.0	
LU	92020	10	Boer	04/03/09	32	42	59	81	40	0.47	271.7	6.85		15.0	
LU	92023	10	Boer	04/06/09	32	41	53	78	37	0.45	233.6	6.24		12.5	
LU	92025	10	Boer	04/13/09	31	39	57	81	43	0.51	254.2	5.92		13.5	
LU	92030	10	Boer	04/23/09	31	41	65	96	55	0.66	337.5	6.13		15.0	
LU	92032	10	Boer	04/24/09	25	33	44	73	40	0.47	212.6	5.36		13.5	
LU	92035	10	Boer	04/27/09	31	33	57	84	51	0.60	279.6	5.52		14.0	
LU	92024	11	Boer	04/07/09	20	25	45	66	41	0.49	210.8	5.17		13.0	
LU	92027	11	Boer	04/18/09	20	24	47	67	43	0.51	199.0	4.63		12.5	
LU	92033	11	Boer	04/24/09	22	24	47	70	46	0.55	241.1	5.21		13.5	
LU	92043	11	Boer	05/03/09	19	22	43	65	43	0.51	224.4	5.23		13.5	
LU	92044	11	Boer	05/04/09	19	25	31	53	28	0.33	193.1	7.02		12.0	
LU	92047	11	Boer	05/07/09	18	24	43	64	40	0.47	167.3	4.22		13.0	
LU	92019	12	Boer	04/02/09	18	31	52	75	44	0.52	243.7	5.53		13.0	
LU	92038	12	Boer	04/29/09	18	21	35	58	37	0.45	201.7	5.39		13.5	
LU	92040	12	Boer	05/02/09	15	26	47	74	47	0.56	288.9	6.10		14.0	
LU	92041	12	Boer	05/03/09	18	29	40	66	37	0.45	193.5	5.17		12.5	
LU	92042	12	Boer	05/06/09	14	25	45	72	46	0.55	259.5	5.61		14.0	
LU	92046	12	Boer	05/07/09	15	24	45	68	44	0.52	248.0	5.63		13.0	
LU	92048	12	Boer	04/11/09	18	21	44	67	46	0.55	249.8	5.40		12.5	
LU	99033	12	Boer	05/14/09	17	29	48	70	42	0.50	251.4	6.01		13.0	
LU	99023	3	Boer	03/15/09	47	54	72	99	45	0.54	290.8	6.44		14.5	
Average					42	51	72	92	41	0.49	294.6	7.34	1.8	14.9	

Table 5. Estimated weights (at 120, 150, and 180 days of age) and age (at 60, 80, and 100 lbs).

owner	tag	ADG	Age @ start test	Pred wt @ 120d	Pred wt @ 150d	Pred wt @ 180d	Pred age @ 60#	Pred age @ 80#	Pred age @ 100#
Dilley, Ron	49072	0.70	108	67	88	109	110	139	167
Dilley, Ron	49073	0.57	107	91	108	126	66	101	135
Dilley, Ron	49074	0.54	140	87	103	120	70	107	144
Gibbs, Jeff	480106	0.46	149	82	96	110	71	115	158
Gibbs, Jeff	480107	0.69	148	55	76	97	127	155	184
Gibbs, Jeff	480108	0.60	148	77	95	113	92	125	159
Hicks, Jim	49042	0.43	94	53	66	79	136	183	230
Hicks, Jim	49043	0.40	101	37	49	61	177	227	277
Hollinger, Jim and Mary	48098	0.68	116	58	78	99	123	153	182
Hollinger, Jim and Mary	48099	0.51	163	72	87	102	97	136	176
Johnston, Hank and Shana	48096	0.59	114	95	113	130	61	95	129
Johnston, Hank and Shana	48097	0.46	113	59	73	87	121	165	209
Johnston, Hank and Shana	49075	0.67	114	80	100	120	90	120	150
Los Cuernos Ranch	49044	0.61	165	41	59	77	151	184	217
Los Cuernos Ranch	49045	0.39	165	61	72	84	118	170	221
Los Cuernos Ranch	49046	0.46	138	45	58	72	153	196	240
Los Cuernos Ranch	49047	0.57	141	54	71	88	130	165	200
Los Cuernos Ranch	49048	0.47	169	46	60	75	149	192	234
Los Cuernos Ranch	49049	0.34	133	56	66	77	131	190	248
Los Cuernos Ranch	49050	0.54	140	51	67	83	137	174	211
Los Cuernos Ranch	49056	0.62	138	42	60	79	149	182	214
Los Cuernos Ranch	49057	0.36	138	38	48	59	182	237	292
Los Cuernos Ranch	49058	0.53	148	50	66	82	139	176	214
Paul, AL	49055	0.44	142	58	71	84	126	171	217
Paul, AL	49061	0.48	122	46	61	75	148	190	232
Paul, AL	49062	0.40	116	48	60	72	151	201	252
Paul, AL	49063	0.65	144	53	72	92	131	162	193
Perry, Michelle	49053	0.36	91	59	70	80	123	179	235
Perry, Michelle	49054	0.61	91	61	79	97	119	152	185
Pinneo, Wesley and Beverly	49059	0.29	115	47	55	64	166	235	304
Pinneo, Wesley and Beverly	49060	0.43	115	59	72	85	121	167	214
Rosenbaum, Jim	49065	0.68	124	74	95	115	99	128	158
Rosenbaum, Jim	49071	0.82	98	102	126	151	69	93	118
Sandness, Duff and Laura	49051	0.36	151	43	54	65	168	223	277
Sandness, Duff and Laura	49052	0.41	150	58	70	83	124	173	222
Sandness, Duff and Laura	49070	0.53	147	52	68	84	136	173	211
Scott's Boer Goats	47099	0.65	118	62	81	101	117	148	179
Shivers, Sky and Debra	49066	0.23	123	48	55	61	174	262	350
Shivers, Sky and Debra	49067	0.38	155	51	62	73	145	197	250
Shivers, Sky and Debra	49068	0.51	117	61	76	92	118	157	196
Shivers, Sky and Debra	49069	0.32	149	38	48	57	189	252	314
Stephens, Jessica	47086	0.54	82	61	78	94	117	154	191
Stephens, Sam and Michelle	47087	0.33	111	56	66	76	132	193	253
Stephens, Sam and Michelle	47088	0.58	130	79	96	114	87	122	156
Stephens, Sam and Michelle	47089	0.79	111	83	107	130	91	116	141
Stephens, Sam and Michelle	47090	0.37	79	40	51	62	175	229	282

owner	tag	ADG	Age @ start test	Pred wt @ 120d	Pred wt @ 150d	Pred wt @ 180d	Pred age @ 60#	Pred age @ 80#	Pred age @ 100#
Stephens, Sam and Michelle	47096	0.67	132	83	103	123	85	115	145
Stephens, Sam and Michelle	47097	0.65	128	63	83	102	115	146	177
Stephens, Sam and Michelle	47098	0.64	80	74	93	112	98	130	161
Wertman, Stephanie	49064	0.60	74	77	95	113	91	125	158
LU	9201	0.67	121	67	87	107	110	140	170
LU	9204	0.35	120	46	57	67	159	216	274
LU	9207	0.45	120	55	68	82	131	176	221
LU	9208	0.53	106	64	80	96	113	151	188
LU	92011	0.44	93	51	64	78	140	186	232
LU	92012	0.56	93	68	85	101	106	142	178
LU	92014	0.40	91	59	71	83	123	173	223
LU	92015	0.38	91	48	60	71	150	203	256
LU	92016	0.52	91	49	65	80	141	180	219
LU	92018	0.62	83	64	82	101	114	146	179
LU	92019	0.51	83	50	65	80	140	180	219
LU	92020	0.52	82	64	79	95	113	151	190
LU	92021	0.58	82	61	78	95	119	153	188
LU	92022	0.58	79	64	82	99	112	147	182
LU	92023	0.44	79	58	71	84	126	171	217
LU	92024	0.47	78	46	61	75	149	191	233
LU	92025	0.50	72	67	82	97	106	147	187
LU	92027	0.50	67	52	67	82	136	176	216
LU	92028	0.61	62	73	91	110	99	131	164
LU	92029	0.50	62	61	76	91	118	157	197
LU	92030	0.64	62	83	102	121	85	116	147
LU	92031	0.53	62	65	81	97	110	148	185
LU	92032	0.43	61	60	73	86	121	167	213
LU	92033	0.53	61	58	74	89	124	162	200
LU	92034	0.42	59	56	68	81	131	178	225
LU	92035	0.58	58	72	90	107	99	133	168
LU	92037	0.61	57	65	83	101	112	145	178
LU	92038	0.43	56	46	59	72	152	198	245
LU	92040	0.57	53	67	84	101	108	143	178
LU	92041	0.43	52	58	71	84	125	172	218
LU	92042	0.54	49	66	82	98	110	147	184
LU	92043	0.48	52	56	70	85	129	170	212
LU	92044	0.27	51	46	54	63	170	244	317
LU	92046	0.54	48	64	80	96	113	150	187
LU	92047	0.42	48	56	68	81	130	177	225
LU	92048	0.54	74	47	63	80	144	180	217
LU	99010	0.36	121	44	55	66	165	220	275
LU	99023	0.46	101	63	77	91	114	157	200
LU	99024	0.35	101	58	69	79	125	183	241
LU	99033	0.52	41	67	83	98	106	145	184