



**2010
OKLAHOMA
MEAT BUCK PERFORMANCE TEST
FINAL REPORT
(12th Annual)**

June 5 – September 18, 2010

***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 twelfth annual meat buck performance test started June 5, 2010 with 40 bucks enrolled from 9 different breeders (28 bucks from private producers and 12 from Langston University). Geographical distribution is 3 from Missouri, 5 from Nebraska, 16 from Oklahoma, and 16 from Texas. Breed distribution is 35 Boer; 1 Boer Cross; 2 Ranger; and 2 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 23, 2010.

Weights at entry averaged 46 lbs and ranged from 22 to 73 lbs. Age at entry averaged 105 days and ranged from 65 to 147 days of age.

Adjustment Period

All bucks underwent an adjustment period of two weeks immediately after check-in and the test officially started on June 23, 2010. During the adjustment period, bucks were acclimated to the test ration and to the FIRE system. Feed intake is automatically recorded every time a buck enters into the FIRE system to eat.

The area immediately around the 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 an Oklahoma State University graduate student, 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, 2009, and 2010.

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 June 23 after the adjustment period was finished. Weights at the beginning of the test averaged 55 lbs with a range of 19 to 91 lbs. Weights at the

end of the test averaged 99 lbs with a range of 57 to 138 lbs. **Weight gain for the test averaged 43 lbs with a range of 18 to 60 lbs.**

Average Daily Gain (ADG)

For the test, the bucks gained on averaged 0.51 lbs/day with a range of 0.21 lbs/day to 0.71 lbs/day.

Feed Efficiency (Feed Conversion Ratio)

For the test, the bucks consumed an average of 295 lbs of feed with a range of 169 to 423 lbs.

For the test, the bucks averaged a feed efficiency of 7.04 (feed efficiency is defined as the number of lbs. of feed needed for one lbs. of gain), with a range of 4.85 to 14.84.

Muscling

The average loin eye area as determined by ultrasonography was 1.7 square inches with a range of 1.0 to 2.4 square inches and the average left rear leg circumference was 14.2 inches with a range of 11.0 to 18.0 inches.

Index

For 2010, 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:

- Mrs. Wanda Shurley of Sonora, TX
for having the Top-Indexing buck
in the 2010 Oklahoma Meat Buck Performance Test

Also, deserving congratulations are:

- Mrs. Wanda Shurley of Sonora, TX
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 Rosenbaum of Gainesville, TX
for having the #3 (tie) Fastest-Gaining buck
- Mrs. Wanda Shurley of Sonora, TX
for having the #5 Fastest-Gaining buck
- Morrison Farms of Monett, MO
for having the Most-Feed-Efficient buck
- Mrs. Wanda Shurley of Sonora, TX
for having the Most-Heavily-Muscled buck

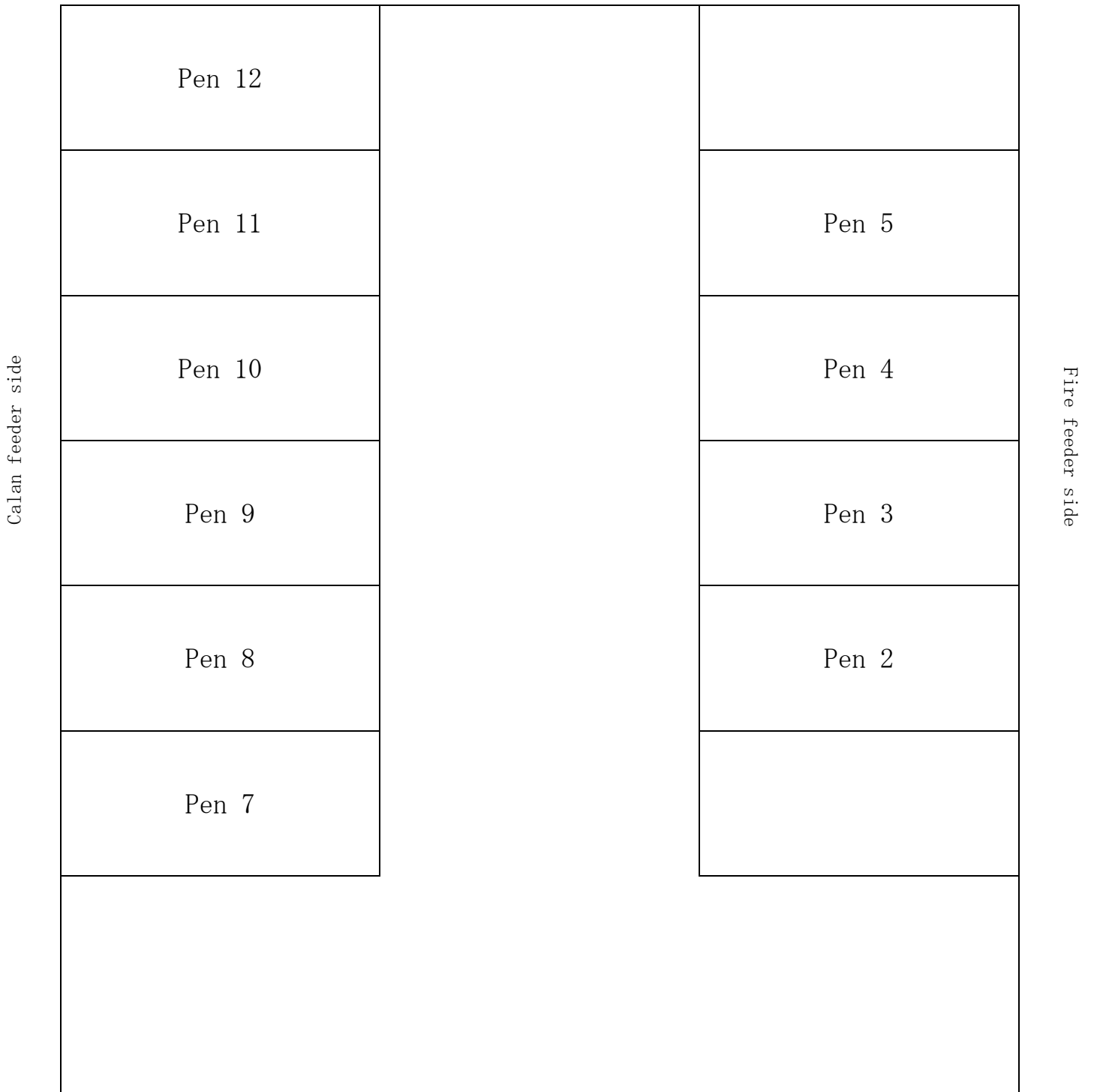
Acknowledgments

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.

2010 Buck Performance Test supervised by 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	Breed	Pen	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
				Entry	Start	Mid	End							
Shurley, Wanda	62077	Boer	3	52	65	88	124	60	0.71	384.5	6.46	2.4	17.5	101.04
Rosenbaum, Jim	63064	Boer	2	58	67	98	124	57	0.68	355.0	6.20	2.3	17.0	100.91
Paul, A.L.	63068	Boer	3	50	64	89	120	56	0.67	370.2	6.59	2.0	16.0	100.64
Rosenbaum, Jim	63063	Boer	2	62	82	112	138	56	0.67	400.5	7.13	2.4	18.0	100.62
Morrison Farms	63060	Boer	5	22	28	47	69	42	0.50	215.3	5.14	1.4	13.0	100.61
Morrison Farms	63061	Boer	5	35	40	64	89	50	0.59	266.4	5.37	1.4	13.0	100.51
Stephens, Sam and Michelle	63057	BoerX	4	37	46	70	99	53	0.63	318.2	6.02	1.6	13.0	100.46
Stephens, Jessica	63053	Boer	4	37	51	70	98	47	0.56	305.6	6.45	1.8	15.5	100.45
Stephens, Sam and Michelle	63054	Boer	5	29	40	62	89	50	0.59	271.6	5.48	1.3	12.0	100.32
Paul, A.L.	63065	Boer	4	44	58	85	110	52	0.62	371.1	7.17	1.8	15.0	100.27
Shurley, Wanda	62076	Boer	3	46	62	79	107	45	0.54	315.1	6.98	1.9	16.0	100.22
Shurley, Wanda	63070	Boer	3	53	74	101	128	54	0.64	398.9	7.39	1.9	16.0	100.22
Paul, A.L.	63067	Boer	3	47	58	78	106	47	0.56	323.3	6.83	1.7	14.0	100.11
Stephens, Sam and Michelle	63056	Boer	3	49	64	85	111	47	0.56	362.0	7.64	1.8	16.0	100.05
Stephens, Sam and Michelle	63055	Boer	3	45	62	91	109	47	0.56	347.2	7.33	1.8	15.0	100.05
Whetstine, James	63062	Boer	2	67	74	95	126	52	0.62	369.9	7.15	1.8	14.5	100.04
Shurley, Wanda	63072	Ranger	2	66	86	104	131	45	0.54	354.2	7.84	2.3	17.0	100.00
Shurley, Wanda	63074	Boer	2	64	72	96	117	45	0.54	337.5	7.48	1.9	16.0	99.99
Hicks, Jim	63059	Boer	4	42	54	76	97	43	0.51	278.8	6.49	1.5	13.0	99.94
Shurley, Wanda	63075	Boer	2	58	76	94	121	45	0.54	350.7	7.77	1.8	15.0	99.72
Shurley, Wanda	63073	Boer	2	64	77	101	122	45	0.54	422.5	9.36	2.1	16.0	99.61
Whipple, Virginia	63052	Boer	4	40	52	65	87	35	0.42	282.0	8.00	1.6	13.0	99.52
Hicks, Jim	63058	Boer	4	41	54	58	90	36	0.43	262.4	7.22	1.3	12.0	99.38
Paul, A.L.	63066	Boer	4	44	47	52	74	26	0.31	192.7	7.29	1.2	12.0	99.19
Shurley, Wanda	63069	Ranger	2	73	91	106	128	36	0.43	346.4	9.53	1.8	15.0	98.90
Whipple, Virginia	63051	Boer	2	68	77	95	107	30	0.35	292.9	9.85	1.8	15.5	98.86
Shurley, Wanda	62078	Spanish	3	57	66	77	86	20	0.24	226.0	11.40	1.8	16.0	98.61
Shurley, Wanda	63071	Spanish	2	68	77	89	95	18	0.21	261.5	14.84	1.7	14.0	97.39
LU	2059	Boer	4	39	41	59	93	52	0.62	284.0	5.49	1.5	13.0	100.57
LU	2069	Boer	5	34	29	47	74	45	0.54	224.3	4.97	1.3	12.0	100.52
LU	2060	Boer	5	24	19	32	57	39	0.46	195.3	5.07	1.1	12.0	100.49
LU	2063	Boer	5	30	25	39	64	39	0.46	186.9	4.85	1.2	12.0	100.44
LU	2061	Boer	5	30	34	56	75	41	0.49	221.8	5.44	1.3	12.5	100.31
LU	2068	Boer	5	34	40	57	87	47	0.56	261.4	5.52	1.3	12.5	100.31
LU	2065	Boer	3	46	52	63	93	41	0.49	247.6	6.08	1.7	14.0	100.20
LU	9052	Boer	4	40	46	59	87	41	0.49	260.6	6.39	1.6	13.5	100.16
LU	9051	Boer	3	49	56	80	104	47	0.56	337.0	7.12	1.6	13.5	99.98
LU	2066	Boer	5	29	29	40	62	33	0.39	168.8	5.11	1.0	11.0	99.95
LU	9053	Boer	4	45	51	66	88	37	0.45	244.4	6.53	1.5	13.0	99.83
LU	2067	Boer	5	31	35	45	62	26	0.31	171.7	6.50	1.2	12.0	99.62
Average				46	55	74	99	43.2	0.51	294.7	7.04	1.66	14.2	

Table 2. Bucks sorted by ADG.

Owner	ID	Breed	Pen	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
				Entry	Start	Mid	End							
Shurley, Wanda	62077	Boer	3	52	65	88	124	60	0.71	384.5	6.46	2.4	17.5	101.04
Rosenbaum, Jim	63064	Boer	2	58	67	98	124	57	0.68	355.0	6.20	2.3	17.0	100.91
Paul, A.L.	63068	Boer	3	50	64	89	120	56	0.67	370.2	6.59	2.0	16.0	100.64
Rosenbaum, Jim	63063	Boer	2	62	82	112	138	56	0.67	400.5	7.13	2.4	18.0	100.62
Shurley, Wanda	63070	Boer	3	53	74	101	128	54	0.64	398.9	7.39	1.9	16.0	100.22
Stephens, Sam and Michelle	63057	BoerX	4	37	46	70	99	53	0.63	318.2	6.02	1.6	13.0	100.46
Paul, A.L.	63065	Boer	4	44	58	85	110	52	0.62	371.1	7.17	1.8	15.0	100.27
Whetstine, James	63062	Boer	2	67	74	95	126	52	0.62	369.9	7.15	1.8	14.5	100.04
Morrison Farms	63061	Boer	5	35	40	64	89	50	0.59	266.4	5.37	1.4	13.0	100.51
Stephens, Sam and Michelle	63054	Boer	5	29	40	62	89	50	0.59	271.6	5.48	1.3	12.0	100.32
Stephens, Jessica	63053	Boer	4	37	51	70	98	47	0.56	305.6	6.45	1.8	15.5	100.45
Paul, A.L.	63067	Boer	3	47	58	78	106	47	0.56	323.3	6.83	1.7	14.0	100.11
Stephens, Sam and Michelle	63056	Boer	3	49	64	85	111	47	0.56	362.0	7.64	1.8	16.0	100.05
Stephens, Sam and Michelle	63055	Boer	3	45	62	91	109	47	0.56	347.2	7.33	1.8	15.0	100.05
Shurley, Wanda	62076	Boer	3	46	62	79	107	45	0.54	315.1	6.98	1.9	16.0	100.22
Shurley, Wanda	63072	Ranger	2	66	86	104	131	45	0.54	354.2	7.84	2.3	17.0	100.00
Shurley, Wanda	63074	Boer	2	64	72	96	117	45	0.54	337.5	7.48	1.9	16.0	99.99
Shurley, Wanda	63075	Boer	2	58	76	94	121	45	0.54	350.7	7.77	1.8	15.0	99.72
Shurley, Wanda	63073	Boer	2	64	77	101	122	45	0.54	422.5	9.36	2.1	16.0	99.61
Hicks, Jim	63059	Boer	4	42	54	76	97	43	0.51	278.8	6.49	1.5	13.0	99.94
Morrison Farms	63060	Boer	5	22	28	47	69	42	0.50	215.3	5.14	1.4	13.0	100.61
Hicks, Jim	63058	Boer	4	41	54	58	90	36	0.43	262.4	7.22	1.3	12.0	99.38
Shurley, Wanda	63069	Ranger	2	73	91	106	128	36	0.43	346.4	9.53	1.8	15.0	98.90
Whipple, Virginia	63052	Boer	4	40	52	65	87	35	0.42	282.0	8.00	1.6	13.0	99.52
Whipple, Virginia	63051	Boer	2	68	77	95	107	30	0.35	292.9	9.85	1.8	15.5	98.86
Paul, A.L.	63066	Boer	4	44	47	52	74	26	0.31	192.7	7.29	1.2	12.0	99.19
Shurley, Wanda	62078	Spanish	3	57	66	77	86	20	0.24	226.0	11.40	1.8	16.0	98.61
Shurley, Wanda	63071	Spanish	2	68	77	89	95	18	0.21	261.5	14.84	1.7	14.0	97.39
LU	2059	Boer	4	39	41	59	93	52	0.62	284.0	5.49	1.5	13.0	100.57
LU	2068	Boer	5	34	40	57	87	47	0.56	261.4	5.52	1.3	12.5	100.31
LU	9051	Boer	3	49	56	80	104	47	0.56	337.0	7.12	1.6	13.5	99.98
LU	2069	Boer	5	34	29	47	74	45	0.54	224.3	4.97	1.3	12.0	100.52
LU	2061	Boer	5	30	34	56	75	41	0.49	221.8	5.44	1.3	12.5	100.31
LU	2065	Boer	3	46	52	63	93	41	0.49	247.6	6.08	1.7	14.0	100.20
LU	9052	Boer	4	40	46	59	87	41	0.49	260.6	6.39	1.6	13.5	100.16
LU	2060	Boer	5	24	19	32	57	39	0.46	195.3	5.07	1.1	12.0	100.49
LU	2063	Boer	5	30	25	39	64	39	0.46	186.9	4.85	1.2	12.0	100.44
LU	9053	Boer	4	45	51	66	88	37	0.45	244.4	6.53	1.5	13.0	99.83
LU	2066	Boer	5	29	29	40	62	33	0.39	168.8	5.11	1.0	11.0	99.95
LU	2067	Boer	5	31	35	45	62	26	0.31	171.7	6.50	1.2	12.0	99.62
Average				46	55	74	99	43	0.51	294.7	7.04	1.7	14.2	

Table 3. Bucks sorted by FE.

Owner	ID	Breed	Pen	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
				Entry	Start	Mid	End							
Morrison Farms	63060	Boer	5	22	28	47	69	42	0.50	215.3	5.14	1.4	13.0	100.61
Morrison Farms	63061	Boer	5	35	40	64	89	50	0.59	266.4	5.37	1.4	13.0	100.51
Stephens, Sam and Michelle	63054	Boer	5	29	40	62	89	50	0.59	271.6	5.48	1.3	12.0	100.32
Stephens, Sam and Michelle	63057	BoerX	4	37	46	70	99	53	0.63	318.2	6.02	1.6	13.0	100.46
Rosenbaum, Jim	63064	Boer	2	58	67	98	124	57	0.68	355.0	6.20	2.3	17.0	100.91
Stephens, Jessica	63053	Boer	4	37	51	70	98	47	0.56	305.6	6.45	1.8	15.5	100.45
Shurley, Wanda	62077	Boer	3	52	65	88	124	60	0.71	384.5	6.46	2.4	17.5	101.04
Hicks, Jim	63059	Boer	4	42	54	76	97	43	0.51	278.8	6.49	1.5	13.0	99.94
Paul, A.L.	63068	Boer	3	50	64	89	120	56	0.67	370.2	6.59	2.0	16.0	100.64
Paul, A.L.	63067	Boer	3	47	58	78	106	47	0.56	323.3	6.83	1.7	14.0	100.11
Shurley, Wanda	62076	Boer	3	46	62	79	107	45	0.54	315.1	6.98	1.9	16.0	100.22
Rosenbaum, Jim	63063	Boer	2	62	82	112	138	56	0.67	400.5	7.13	2.4	18.0	100.62
Whetstine, James	63062	Boer	2	67	74	95	126	52	0.62	369.9	7.15	1.8	14.5	100.04
Paul, A.L.	63065	Boer	4	44	58	85	110	52	0.62	371.1	7.17	1.8	15.0	100.27
Hicks, Jim	63058	Boer	4	41	54	58	90	36	0.43	262.4	7.22	1.3	12.0	99.38
Paul, A.L.	63066	Boer	4	44	47	52	74	26	0.31	192.7	7.29	1.2	12.0	99.19
Stephens, Sam and Michelle	63055	Boer	3	45	62	91	109	47	0.56	347.2	7.33	1.8	15.0	100.05
Shurley, Wanda	63070	Boer	3	53	74	101	128	54	0.64	398.9	7.39	1.9	16.0	100.22
Shurley, Wanda	63074	Boer	2	64	72	96	117	45	0.54	337.5	7.48	1.9	16.0	99.99
Stephens, Sam and Michelle	63056	Boer	3	49	64	85	111	47	0.56	362.0	7.64	1.8	16.0	100.05
Shurley, Wanda	63075	Boer	2	58	76	94	121	45	0.54	350.7	7.77	1.8	15.0	99.72
Shurley, Wanda	63072	Ranger	2	66	86	104	131	45	0.54	354.2	7.84	2.3	17.0	100.00
Whipple, Virginia	63052	Boer	4	40	52	65	87	35	0.42	282.0	8.00	1.6	13.0	99.52
Shurley, Wanda	63073	Boer	2	64	77	101	122	45	0.54	422.5	9.36	2.1	16.0	99.61
Shurley, Wanda	63069	Ranger	2	73	91	106	128	36	0.43	346.4	9.53	1.8	15.0	98.90
Whipple, Virginia	63051	Boer	2	68	77	95	107	30	0.35	292.9	9.85	1.8	15.5	98.86
Shurley, Wanda	62078	Spanish	3	57	66	77	86	20	0.24	226.0	11.40	1.8	16.0	98.61
Shurley, Wanda	63071	Spanish	2	68	77	89	95	18	0.21	261.5	14.84	1.7	14.0	97.39
LU	2063	Boer	5	30	25	39	64	39	0.46	186.9	4.85	1.2	12.0	100.44
LU	2069	Boer	5	34	29	47	74	45	0.54	224.3	4.97	1.3	12.0	100.52
LU	2060	Boer	5	24	19	32	57	39	0.46	195.3	5.07	1.1	12.0	100.49
LU	2066	Boer	5	29	29	40	62	33	0.39	168.8	5.11	1.0	11.0	99.95
LU	2061	Boer	5	30	34	56	75	41	0.49	221.8	5.44	1.3	12.5	100.31
LU	2059	Boer	4	39	41	59	93	52	0.62	284.0	5.49	1.5	13.0	100.57
LU	2068	Boer	5	34	40	57	87	47	0.56	261.4	5.52	1.3	12.5	100.31
LU	2065	Boer	3	46	52	63	93	41	0.49	247.6	6.08	1.7	14.0	100.20
LU	9052	Boer	4	40	46	59	87	41	0.49	260.6	6.39	1.6	13.5	100.16
LU	2067	Boer	5	31	35	45	62	26	0.31	171.7	6.50	1.2	12.0	99.62
LU	9053	Boer	4	45	51	66	88	37	0.45	244.4	6.53	1.5	13.0	99.83
LU	9051	Boer	3	49	56	80	104	47	0.56	337.0	7.12	1.6	13.5	99.98
Average				46	55	74	99	43	0.51	294.7	7.04	1.7	14.2	

Table 4. Bucks sorted by breeder.

Owner	ID	Breed	Pen	Weights (lbs)				Gain (lbs)	ADG (lb/d)	Intake (lb)	FE*	LEA (in ²)	RLC (in)	Index
				Entry	Start	Mid	End							
Hicks, Jim	63058	Boer	4	41	54	58	90	36	0.43	262.4	7.22	1.3	12.0	99.38
Hicks, Jim	63059	Boer	4	42	54	76	97	43	0.51	278.8	6.49	1.5	13.0	99.94
Morrison Farms	63060	Boer	5	22	28	47	69	42	0.50	215.3	5.14	1.4	13.0	100.61
Morrison Farms	63061	Boer	5	35	40	64	89	50	0.59	266.4	5.37	1.4	13.0	100.51
Paul, A.L.	63065	Boer	4	44	58	85	110	52	0.62	371.1	7.17	1.8	15.0	100.27
Paul, A.L.	63066	Boer	4	44	47	52	74	26	0.31	192.7	7.29	1.2	12.0	99.19
Paul, A.L.	63067	Boer	3	47	58	78	106	47	0.56	323.3	6.83	1.7	14.0	100.11
Paul, A.L.	63068	Boer	3	50	64	89	120	56	0.67	370.2	6.59	2.0	16.0	100.64
Rosenbaum, Jim	63063	Boer	2	62	82	112	138	56	0.67	400.5	7.13	2.4	18.0	100.62
Rosenbaum, Jim	63064	Boer	2	58	67	98	124	57	0.68	355.0	6.20	2.3	17.0	100.91
Shurley, Wanda	62076	Boer	3	46	62	79	107	45	0.54	315.1	6.98	1.9	16.0	100.22
Shurley, Wanda	62077	Boer	3	52	65	88	124	60	0.71	384.5	6.46	2.4	17.5	101.04
Shurley, Wanda	62078	Spanish	3	57	66	77	86	20	0.24	226.0	11.40	1.8	16.0	98.61
Shurley, Wanda	63069	Ranger	2	73	91	106	128	36	0.43	346.4	9.53	1.8	15.0	98.90
Shurley, Wanda	63070	Boer	3	53	74	101	128	54	0.64	398.9	7.39	1.9	16.0	100.22
Shurley, Wanda	63071	Spanish	2	68	77	89	95	18	0.21	261.5	14.84	1.7	14.0	97.39
Shurley, Wanda	63072	Ranger	2	66	86	104	131	45	0.54	354.2	7.84	2.3	17.0	100.00
Shurley, Wanda	63073	Boer	2	64	77	101	122	45	0.54	422.5	9.36	2.1	16.0	99.61
Shurley, Wanda	63074	Boer	2	64	72	96	117	45	0.54	337.5	7.48	1.9	16.0	99.99
Shurley, Wanda	63075	Boer	2	58	76	94	121	45	0.54	350.7	7.77	1.8	15.0	99.72
Stephens, Jessica	63053	Boer	4	37	51	70	98	47	0.56	305.6	6.45	1.8	15.5	100.45
Stephens, Sam and Michelle	63054	Boer	5	29	40	62	89	50	0.59	271.6	5.48	1.3	12.0	100.32
Stephens, Sam and Michelle	63055	Boer	3	45	62	91	109	47	0.56	347.2	7.33	1.8	15.0	100.05
Stephens, Sam and Michelle	63056	Boer	3	49	64	85	111	47	0.56	362.0	7.64	1.8	16.0	100.05
Stephens, Sam and Michelle	63057	BoerX	4	37	46	70	99	53	0.63	318.2	6.02	1.6	13.0	100.46
Whetstine, James	63062	Boer	2	67	74	95	126	52	0.62	369.9	7.15	1.8	14.5	100.04
Whipple, Virginia	63051	Boer	2	68	77	95	107	30	0.35	292.9	9.85	1.8	15.5	98.86
Whipple, Virginia	63052	Boer	4	40	52	65	87	35	0.42	282.0	8.00	1.6	13.0	99.52
LU	2059	Boer	4	39	41	59	93	52	0.62	284.0	5.49	1.5	13.0	100.57
LU	2060	Boer	5	24	19	32	57	39	0.46	195.3	5.07	1.1	12.0	100.49
LU	2061	Boer	5	30	34	56	75	41	0.49	221.8	5.44	1.3	12.5	100.31
LU	2063	Boer	5	30	25	39	64	39	0.46	186.9	4.85	1.2	12.0	100.44
LU	2065	Boer	3	46	52	63	93	41	0.49	247.6	6.08	1.7	14.0	100.20
LU	2066	Boer	5	29	29	40	62	33	0.39	168.8	5.11	1.0	11.0	99.95
LU	2067	Boer	5	31	35	45	62	26	0.31	171.7	6.50	1.2	12.0	99.62
LU	2068	Boer	5	34	40	57	87	47	0.56	261.4	5.52	1.3	12.5	100.31
LU	2069	Boer	5	34	29	47	74	45	0.54	224.3	4.97	1.3	12.0	100.52
LU	9051	Boer	3	49	56	80	104	47	0.56	337.0	7.12	1.6	13.5	99.98
LU	9052	Boer	4	40	46	59	87	41	0.49	260.6	6.39	1.6	13.5	100.16
LU	9053	Boer	4	45	51	66	88	37	0.45	244.4	6.53	1.5	13.0	99.83
Average				46	55	74	99	43	0.51	294.7	7.04	1.7	14.2	

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

owner	tag	Pred wt @ 120d	Pred wt @ 150d	Pred wt @ 180d	Pred age @ 60#	Pred age @ 80#	Pred age @ 100#
Hicks, Jim	63058	71	84	97	96	141	186
Hicks, Jim	63059	70	84	98	99	142	185
Morrison Farms	63060	37	52	67	166	207	248
Morrison Farms	63061	52	70	87	134	168	201
Paul, A.L.	63065	58	76	94	124	157	191
Paul, A.L.	63066	47	57	66	160	223	286
Paul, A.L.	63067	58	75	92	124	159	194
Paul, A.L.	63068	63	83	103	116	146	176
Rosenbaum, Jim	63063	94	113	131	66	98	130
Rosenbaum, Jim	63064	85	105	125	83	113	143
Shurley, Wanda	62076	72	89	106	99	134	169
Shurley, Wanda	62077	89	112	134	80	107	134
Shurley, Wanda	62078	57	64	72	132	214	295
Shurley, Wanda	63069	82	95	108	69	115	161
Shurley, Wanda	63070	80	100	119	89	120	150
Shurley, Wanda	63071	69	76	82	74	171	268
Shurley, Wanda	63072	72	92	111	101	132	163
Shurley, Wanda	63073	67	83	99	107	144	182
Shurley, Wanda	63074	62	78	94	116	154	192
Shurley, Wanda	63075	66	82	98	109	147	185
Stephens, Jessica	63053	54	69	85	132	170	209
Stephens, Sam and Michelle	63054	52	70	88	134	167	201
Stephens, Sam and Michelle	63055	65	82	99	111	146	182
Stephens, Sam and Michelle	63056	67	85	103	108	141	175
Stephens, Sam and Michelle	63057	50	69	88	136	168	200
Whetstine, James	63062	65	85	106	113	142	172
Whipple, Virginia	63051	62	72	82	115	174	232
Whipple, Virginia	63052	47	59	70	154	207	260
LU	2059	44	63	82	145	177	209
LU	2060	28	41	55	192	237	282
LU	2061	43	56	69	160	206	252
LU	2063	35	50	64	171	213	254
LU	2065	55	69	84	131	172	213
LU	2066	37	49	61	177	226	276
LU	2067	42	53	64	170	226	282
LU	2068	51	69	86	135	169	204
LU	2069	39	55	71	159	197	234
LU	9051	60	77	95	121	155	189
LU	9052	49	65	81	140	178	217
LU	9053	53	66	79	136	182	228