



West Virginia University

DAVIS COLLEGE OF AGRICULTURE, NATURAL RESOURCES AND DESIGN

August 7, 2020

Re: Final Test Report

Dear Consignors,

Attached are data from the WV 2020 Buck Performance Test. This was a great set of bucks that grew well and were relatively problem-free. This year we added an artificial infection to the performance test where all goats were given 5,000 *H. contortus* larvae. We did not have to deworm a single goat due to artificial infection, but goats became infected "enough" to determine differences in fecal egg count and to identify individuals that are more resistant than others. I think that this type of infection can be a great model for other test programs around the country to implement and detect differences without severely impacting goat health.

On that note, we did not lose any goats during this test. Except for one with severe respiratory disease, all goats are relatively healthy and ready for the trip to their final destination. I credit this largely to our outstanding veterinary staff under the direction Dr. Ashley Bredenberg, our farm clinical veterinarian. I also give credit to all our consignors for submitting goats in good health!

I would also like to acknowledge the work done by graduate students in my lab. These students fed and managed your animals in addition to weekly data collection and fecal and blood processing. It was their diligent work and attention to detail that made reporting to you all so quick and timely. These kids made my job easier to get data to you. I'd also like to thank and acknowledge our test station manager Mr. Eric Nestor for managing the facility, daily feeding and making sure we never ran out of feed.

We were very fortunate to be able to operate this performance test during COVID-19 pandemic. I credit our college administration for allowing us to continue this performance test and permitting us renovate off-campus facilities needed to perform analyses associated with this test.

In parting I want to reinforce that these performance tests are a great system for comparing animals in a common environment, but to capture a more robust determination of genetic merit of multiple traits your breed would be well served by considering large-scale genetic evaluation programs similar to what is done in beef cattle, dairy cattle, swine and sheep. These programs have not eliminated central performance test programs but have allowed producer to refine and improve selection.

I sincerely thank all of you for participating in this program and look forward to your participation in 2021!

Best wishes in your goat operations,

A handwritten signature in blue ink that reads "Scott A. Bowdridge".

Scott A. Bowdridge, Ph.D.

Associate Professor and Buck Test Director

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## Data Explanation

### Average Daily Gain (ADG)

This metric is probably one of the most valuable pieces of information coming from this test. Growth traits in livestock are typically moderately heritable, meaning that they have a modest genetic component and should respond well to selection. One advantage of this test is that ADG is maximized due to the free-choice feeding system in addition to nutritional quality. Simply put gain data from this test represents your animals' ability to grow when nutritional requirements to support maximal growth are met or exceeded.

### Carcass measurements

These data are not often collected by producers but are the best representations of muscling and fatness. Both traits respond well to selection and progress can be made relatively quickly, however, without these data our best guesses are not very accurate. Ribeye area (REA) and back fat thickness (FT) are measured ultrasonically at the 12<sup>th</sup> and 13<sup>th</sup> rib interface. REA data have been adjusted to 100 lbs of live weight. In our buck test REA and FT were taken at the final weight.

### Fecal Egg Count

Fecal egg counts (FEC) were performed weekly after artificial infection with 5,000 Haemonchus contortus larvae. Since not all bucks were completely cleared of infection they arrived with, we use all counts after infection. Those counts are averaged to determine "Average FEC." As you'll notice some goats never developed a FEC, therefore it is impossible to ratio raw average FEC. We transform these data and index such that animals with an Adjusted FEC Ratio of greater than 100 are more parasite resistant and animals with ration of less than 100 are more susceptible

### Ratios

These data are mathematical tools to determine how an animal varies from the group average for a specific trait. An individuals' performance is divided by the group average and then multiplied by 100. Therefore, the average ratio is 100 and any value greater than 100 is above average and a value less than 100 is below average.

### Final Index

This index was created to evaluate multiple traits into one single value. The traits evaluated in this index include ADG ratio, REA ratio, and FEC ratio. Each individual animals' ratio for each trait are multiplied by a weighting factor and then added together. This value has not typically been reported to producers as this index was used to rank animals for sale purposes. **Therefore, this value should be interpreted carefully and not be used to determine the "best" animal on test.** That determination should be made by individual producers evaluating both performance data and animal phenotype that best fits their specific operation.

## 2020 Buck Test Winners

### Average Daily Gain

Farm Tag #	Consignor	Breed	On-Test	21-d	42-d	(63-d)	Test		
							Off-Test	ADG	ADG
						(lbs/d)	Ratio	Rank	
0115	Daniel J. Gibbons, II	Kiko	78.8	89.8	115.0	122.5	0.69	169%	1
20026	Jared Dennison	Kiko	53.3	66.2	86.0	96.5	0.69	167%	2
672	Dennis & Darla Higgins	Kiko	67.8	84.8	103.0	108.0	0.64	156%	3
0113	Daniel J. Gibbons, II	Kiko	53.7	65.8	83.4	93.0	0.62	152%	4
20005	Brent Ballinger	Kiko	69.6	81.2	97.8	108.5	0.62	151%	5
0135	Charles & Kelly Cummings	Kiko	62.7	77.8	88.2	101.5	0.62	150%	6
6016	James Tyler Glasson	Kiko	71.7	83.6	105.0	110.0	0.61	148%	7
569	Dennis & Darla Higgins	Kiko	66.4	79.2	96.0	103.8	0.59	145%	8
0112	Daniel J. Gibbons, II	Kiko	62.6	78.4	93.4	99.5	0.58	143%	9
411	Andy Roller	Kiko	60.4	77.8	97.2	97.1	0.58	142%	10

### Loin Eye Area

Farm Tag #	Consignor	Breed	REA (in <sup>2</sup> )	Off-Test Weight (63-d)	ADJ REA (REA/cwt)	Final	ADJ	
						Test Ratio	REA Ratio	Rank
527	Kendall & Dana Barnes	Kiko	2.45	76.8	3.19	143%	175%	1
M039	Patricia Larr	Kiko	2.56	88.9	2.88	126%	158%	2
27	Don & Christie Mulhall	Kiko	2.30	85.7	2.68	114%	148%	3
2029	John Weber	Kiko	1.86	77.3	2.40	126%	132%	4
0037	Darryl Byrd	Kiko	2.17	90.1	2.40	105%	132%	5
30	Brad & Jennifer Beeson	Kiko	1.75	72.7	2.40	135%	132%	6
M015	Patricia Larr	Kiko	2.54	106.8	2.38	130%	131%	7
M040	Patricia Larr	Kiko	2.01	84.3	2.38	124%	131%	8
41	Will Chapman	Kiko	2.14	91.2	2.35	133%	129%	9
33	Brad & Jennifer Beeson	Kiko	1.59	67.7	2.35	108%	129%	10

Ties are broken by Final Test Ratio

### Fecal Egg Count

Farm Tag#	Consignor	Breed	AVG FEC	Final		
				Test Ratio	FEC Ratio	Rank
0133	Charles & Kelly Cummings	Kiko	0.0	134%	171.9	1
0022	Angela Smith	Kiko	0.0	131%	171.9	2
20017	Jared Dennison	Kiko	0.0	129%	171.9	3
25	Don & Christie Mulhall	Kiko	7.1	129%	163.7	4
73	Jeff Lamote	Kiko	8.3	126%	162.5	5
0097	Alan Kelley	Kiko	8.3	112%	162.5	6
30	Brad & Jennifer Beeson	Kiko	10.0	135%	160.9	7
527	Kendall & Dana Barnes	Kiko	14.3	143%	157.1	8
20045	Jared Dennison	Kiko	14.3	135%	157.1	9
2031	John Weber	Kiko	14.3	123%	157.1	10

Ties are broken by Final Test Ratio

### Final Test Ratio

Farm Tag #	Consignor	Breed	ADG Ratio	ADJ		
				REA Ratio	FEC Ratio	Final Test Ratio
						Rank
527	Kendall & Dana Barnes	Kiko	93%	175%	157.1%	143%
0100	Tracy Loyd	Kiko	130%	128%	146.2%	136%
30	Brad & Jennifer Beeson	Kiko	105%	132%	160.9%	135%
20045	Jared Dennison	Kiko	124%	115%	157.1%	135%
0113	Daniel J. Gibbons, II	Kiko	152%	110%	142.0%	135%
0133	Charles & Kelly Cummings	Kiko	131%	88%	171.9%	134%
41	Will Chapman	Kiko	136%	129%	133.1%	133%
0118	Charles & Kelly Cummings	Kiko	135%	128%	133.1%	132%
0115	Daniel J. Gibbons, II	Kiko	169%	125%	110.4%	132%
0022	Angela Smith	Kiko	87%	119%	171.9%	131%

Ties are broken by FEC Ratio

### Top Consignor Award

Producer	High 3	Rank
Jared Dennison	391	1
Charles & Kelly Cummings	386	2
Will Chapman	381	3
Patricia Larr	381	4
Daniel J. Gibbons, II	377	5
Tracy Loyd	364	6

## 2020 WV Buck Test Gain Analysis



Farm				Off-Test	Test	ADG	ADG	
Tag #	Consignor	Breed	On-Test	(63-d)	(lbs/d)	Ratio	Rank	
0115	Daniel J. Gibbons, II	Kiko	78.8	122.5	0.69	169%	1	
20026	Jared Dennison	Kiko	53.3	96.5	0.69	167%	2	
672	Dennis & Darla Higgins	Kiko	67.8	108.0	0.64	156%	3	
0113	Daniel J. Gibbons, II	Kiko	53.7	93.0	0.62	152%	4	
20005	Brent Ballinger	Kiko	69.6	108.5	0.62	151%	5	
0135	Charles & Kelly Cummings	Kiko	62.7	101.5	0.62	150%	6	
6016	James Tyler Glasson	Kiko	71.7	110.0	0.61	148%	7	
569	Dennis & Darla Higgins	Kiko	66.4	103.8	0.59	145%	8	
0112	Daniel J. Gibbons, II	Kiko	62.6	99.5	0.58	143%	9	
411	Andy Roller	Kiko	60.4	97.1	0.58	142%	10	
04129	P.J. Murphy	Kiko	62.3	98.7	0.58	141%		
2001	Mike & Lori Renick	Kiko	50.2	86.6	0.58	141%		
659	Dennis & Darla Higgins	Kiko	61.2	97.2	0.57	139%		
61	Will Chapman	Kiko	56.4	92.2	0.57	139%		
0110	Daniel J. Gibbons, II	Kiko	70.3	105.8	0.56	137%		
0104	Tracy Loyd	Kiko	52.1	87.4	0.56	137%		
41	Will Chapman	Kiko	56.0	91.2	0.56	136%		
448	Bobby & Joe Murphy	Kiko	87.2	122.3	0.56	136%		
20042	Jared Dennison	Kiko	49.3	84.3	0.56	136%		
0118	Charles & Kelly Cummings	Kiko	50.8	85.7	0.55	135%		
36	Will Chapman	Kiko	58.6	93.5	0.55	135%		
0138	Charles & Kelly Cummings	Kiko	57.9	92.7	0.55	135%		
0133	Charles & Kelly Cummings	Kiko	54.5	88.3	0.54	131%		
0109	Tracy Loyd	Kiko	56.6	90.4	0.54	131%		
27	Brad & Jennifer Beeson	Kiko	53.8	87.6	0.54	131%		
0100	Tracy Loyd	Kiko	61.9	95.4	0.53	130%		
20061	Jared Dennison	Kiko	52.3	85.6	0.53	129%		
0107	Daniel J. Gibbons, II	Kiko	56.8	90.0	0.53	129%		
416	Bobby & Joe Murphy	Kiko	74.1	107.0	0.52	127%		
141	Marion & Wanda Simpson	Kiko	53.2	85.9	0.52	127%		
0107	Tracy Loyd	Kiko	67.0	99.5	0.52	126%		
20045	Jared Dennison	Kiko	52.2	84.3	0.51	124%		
67	Will Chapman	Kiko	57.0	88.8	0.50	123%		
TMS 40	Mark Walley	Kiko	56.7	88.3	0.50	122%		
53	Joseph Knetter	Kiko	43.6	74.8	0.50	121%		
407	Marion & Wanda Simpson	Kiko	47.3	78.3	0.49	120%		
20038	Brent Ballinger	Kiko	51.7	82.7	0.49	120%		
63	Will Chapman	Kiko	59.2	90.0	0.49	119%		
0068	Darryl Byrd	Kiko	54.0	84.3	0.48	117%		

0124	Charles & Kelly Cummings	Kiko	52.5	82.5	0.48	116%
50	Will Chapman	Kiko	60.1	90.1	0.48	116%
2035	David Peters	Kiko	51.3	81.1	0.47	115%
2011	David Peters	Kiko	43.7	73.3	0.47	115%
2000	Mike & Lori Renick	Kiko	47.3	76.6	0.47	113%
673	Dennis & Darla Higgins	Kiko	64.6	93.8	0.46	113%
0106	Tracy Loyd	Kiko	70.5	99.7	0.46	113%
27	Don & Christie Mulhall	Kiko	56.6	85.7	0.46	113%
0103	Tracy Loyd	Kiko	57.6	86.7	0.46	113%
0037	Darryl Byrd	Kiko	61.2	90.1	0.46	112%
M015	Patricia Larr	Kiko	77.9	106.8	0.46	112%
32	Joseph Knetter	Kiko	46.0	74.7	0.46	111%
42	Will Chapman	Kiko	52.6	81.3	0.46	111%
0188	Colton Pritchett	Kiko	58.5	87.1	0.45	111%
2009	David Peters	Kiko	56.4	84.8	0.45	110%
04128	P.J. Murphy	Kiko	51.0	79.4	0.45	110%
25	Don & Christie Mulhall	Kiko	63.3	91.5	0.45	109%
723	Austin Higgins	Kiko	69.4	97.5	0.45	109%
0050	John S. Pope, Jr.	Kiko	55.3	83.2	0.44	108%
0862	Dewayne Smith	Kiko	85.6	113.3	0.44	107%
2029	John Weber	Kiko	49.7	77.3	0.44	107%
401	Andy Roller	Kiko	55.8	83.3	0.44	107%
M039	Patricia Larr	Kiko	61.5	88.9	0.43	106%
04126	P.J. Murphy	Kiko	61.8	88.9	0.43	105%
557	Dennis & Darla Higgins	Kiko	60.2	87.3	0.43	105%
M040	Patricia Larr	Kiko	57.2	84.3	0.43	105%
0018	Angela Smith	Kiko	65.0	92.0	0.43	105%
30	Brad & Jennifer Beeson	Kiko	45.7	72.7	0.43	105%
367	Andy Roller	Kiko	58.9	85.7	0.43	104%
520	Kendall & Dana Barnes	Kiko	46.0	72.7	0.42	103%
0102	Tracy Loyd	Kiko	58.5	85.2	0.42	103%
73	Jeff Lamote	Kiko	51.8	78.4	0.42	103%
04125	P.J. Murphy	Kiko	70.4	96.8	0.42	102%
0090	Alan Kelley	Kiko	60.6	86.7	0.41	101%
24	Brad & Jennifer Beeson	Kiko	45.6	71.3	0.41	100%
2031	John Weber	Kiko	56.3	81.6	0.40	98%
410	Andy Roller	Kiko	56.5	81.2	0.39	96%
527	Kendall & Dana Barnes	Kiko	52.8	76.8	0.38	93%
M060	Patricia Larr	Kiko	65.4	89.2	0.38	92%
04127	P.J. Murphy	Kiko	66.5	90.2	0.38	92%
0039	Darryl Byrd	Kiko	55.8	79.5	0.38	92%
M041	Patricia Larr	Kiko	63.3	86.8	0.37	91%
TMS 32	Mark Walley	Kiko	42.5	65.6	0.37	89%
460	Bobby & Joe Murphy	Kiko	64.4	87.5	0.37	89%

733	Austin Higgins	Kiko	68.0	91.0	0.37	89%
0009	Angela Smith	Kiko	66.7	89.4	0.36	88%
653	Dennis & Darla Higgins	Kiko	59.0	81.5	0.36	87%
0022	Angela Smith	Kiko	65.4	87.9	0.36	87%
0174	Colton Pritchett	Kiko	59.1	81.5	0.36	87%
0021	Angela Smith	Kiko	81.2	103.5	0.35	86%
6035	James Tyler Glasson	Kiko	54.4	76.4	0.35	85%
20017	Jared Dennison	Kiko	60.7	82.3	0.34	84%
M024	Patricia Larr	Kiko	61.3	82.8	0.34	83%
0017	James Thompson	Kiko	56.9	78.3	0.34	83%
31	Joseph Knetter	Kiko	48.0	69.2	0.34	82%
237	Stacey Merritt	Kiko	56.4	77.2	0.33	81%
660	Dennis & Darla Higgins	Kiko	65.3	85.8	0.33	79%
0069	John S. Pope, Jr.	Kiko	65.8	86.2	0.32	79%
0095	Alan Kelley	Kiko	60.9	80.3	0.31	75%
76	Jeff Lamote	Kiko	55.8	74.8	0.30	74%
33	Brad & Jennifer Beeson	Kiko	49.0	67.7	0.30	72%
0097	Alan Kelley	Kiko	64.3	82.0	0.28	69%
24	Don & Christie Mulhall	Kiko	49.0	66.7	0.28	69%
39	Cathy Blankenship	Kiko	49.9	67.6	0.28	69%
462	Bobby & Joe Murphy	Kiko	77.2	94.6	0.28	67%
81	Jeff Lamote	Kiko	44.6	61.4	0.27	65%
2040	Kenneth Jessee	Kiko	67.9	84.6	0.27	65%
514	Kendall & Dana Barnes	Kiko	55.2	71.6	0.26	64%
0503	John Weber	Kiko	51.5	67.6	0.26	62%
0004	James Thompson	Kiko	48.6	63.8	0.24	59%
405	Andy Roller	Kiko	42.5	57.6	0.24	58%
2015	Kenneth Jessee	Kiko	66.5	80.4	0.22	54%
20037	Brent Ballinger	Kiko	53.2	67.1	0.22	54%
0121	Alan Kelley	Kiko	59.5	72.3	0.20	50%
0856	Dewayne Smith	Kiko	83.2	95.8	0.20	49%
TMS 20	Mark Walley	Kiko X	55.4	67.9	0.20	48%
0896	Dewayne Smith	Kiko	66.6	78.2	0.18	45%
239	Stacey Merritt	Kiko	61.2	72.6	0.18	44%
518	Kendall & Dana Barnes	Kiko	48.1	59.1	0.17	43%
64	Will Chapman	Kiko	53.9	64.2	0.16	40%
510	Kendall & Dana Barnes	Kiko	52.5	62.3	0.16	38%
2033	John Weber	Kiko	61.5	66.3	0.08	19%
0013	James Thompson	Kiko	51.7	54.6	0.05	11%
342	Brent Ballinger	Kiko	60.9	54.4	-0.10	-25%
2041	Kenneth Jessee	Kiko	80.3	68.6	-0.19	-45%
<b>TEST AVERAGE</b>			<b>58.9</b>	<b>84.7</b>	<b>0.41</b>	<b>100%</b>

## 2020 WV Buck Test Rib Eye Area Analysis



Farm Tag #	Consignor	Breed	REA (in <sup>2</sup> )	Off- Test (63-d)	ADJ		
					REA (REA/ cwt)	Final Test Ratio	ADJ REA Ratio
527	Kendall & Dana Barnes	Kiko	2.45	76.8	3.19	143%	175%
M039	Patricia Larr	Kiko	2.56	88.9	2.88	126%	158%
27	Don & Christie Mulhall	Kiko	2.30	85.7	2.68	114%	148%
2029	John Weber	Kiko	1.86	77.3	2.40	126%	132%
0037	Darryl Byrd	Kiko	2.17	90.1	2.40	105%	132%
30	Brad & Jennifer Beeson	Kiko	1.75	72.7	2.40	135%	132%
M015	Patricia Larr	Kiko	2.54	106.8	2.38	130%	131%
M040	Patricia Larr	Kiko	2.01	84.3	2.38	124%	131%
41	Will Chapman	Kiko	2.14	91.2	2.35	133%	129%
33	Brad & Jennifer Beeson	Kiko	1.59	67.7	2.35	108%	129%
0118	Charles & Kelly Cummings	Kiko	2.00	85.7	2.33	132%	128%
0100	Tracy Loyd	Kiko	2.23	95.4	2.33	136%	128%
04125	P.J. Murphy	Kiko	2.25	96.8	2.33	113%	128%
0021	Angela Smith	Kiko	2.37	103.5	2.29	106%	126%
20061	Jared Dennison	Kiko	1.95	85.6	2.28	128%	125%
2040	Kenneth Jessee	Kiko	1.93	84.6	2.28	87%	125%
M041	Patricia Larr	Kiko	1.97	86.8	2.28	126%	125%
0115	Daniel J. Gibbons, II	Kiko	2.78	122.5	2.27	132%	125%
141	Marion & Wanda Simpson	Kiko	1.92	85.9	2.24	111%	123%
2000	Mike & Lori Renick	Kiko	1.70	76.6	2.21	112%	122%
0013	James Thompson	Kiko	1.21	54.6	2.21	72%	121%
24	Brad & Jennifer Beeson	Kiko	1.55	71.3	2.17	112%	119%
2009	David Peters	Kiko	1.83	84.8	2.16	126%	119%
0022	Angela Smith	Kiko	1.90	87.9	2.16	131%	119%
0090	Alan Kelley	Kiko	1.87	86.7	2.16	108%	119%
0106	Tracy Loyd	Kiko	2.15	99.7	2.16	114%	119%
20017	Jared Dennison	Kiko	1.73	82.3	2.11	129%	116%
6035	James Tyler Glasson	Kiko	1.60	76.4	2.09	106%	115%
20045	Jared Dennison	Kiko	1.76	84.3	2.09	135%	115%
411	Andy Roller	Kiko	2.02	97.1	2.08	117%	115%
6016	James Tyler Glasson	Kiko	2.26	110.0	2.06	121%	113%
0503	John Weber	Kiko	1.39	67.6	2.05	84%	113%
2001	Mike & Lori Renick	Kiko	1.77	86.6	2.05	116%	113%
520	Kendall & Dana Barnes	Kiko	1.47	72.7	2.03	109%	111%
04128	P.J. Murphy	Kiko	1.59	79.4	2.00	122%	110%
0113	Daniel J. Gibbons, II	Kiko	1.86	93.0	2.00	135%	110%
2035	David Peters	Kiko	1.62	81.1	2.00	121%	110%
2011	David Peters	Kiko	1.45	73.3	1.98	108%	109%

TMS 20	Mark Walley	Kiko X	1.34	67.9	1.97	89%	108%
659	Dennis & Darla Higgins	Kiko	1.91	97.2	1.97	122%	108%
405	Andy Roller	Kiko	1.13	57.6	1.96	83%	108%
24	Don & Christie Mulhall	Kiko	1.31	66.7	1.96	102%	108%
0050	John S. Pope, Jr.	Kiko	1.63	83.2	1.95	111%	107%
36	Will Chapman	Kiko	1.80	93.5	1.93	127%	106%
0174	Colton Pritchett	Kiko	1.57	81.5	1.92	100%	106%
0068	Darryl Byrd	Kiko	1.62	84.3	1.92	120%	105%
M024	Patricia Larr	Kiko	1.59	82.8	1.92	95%	105%
04127	P.J. Murphy	Kiko	1.72	90.2	1.91	104%	105%
50	Will Chapman	Kiko	1.69	90.1	1.88	116%	103%
653	Dennis & Darla Higgins	Kiko	1.53	81.5	1.88	81%	103%
53	Joseph Knetter	Kiko	1.39	74.8	1.85	104%	102%
0856	Dewayne Smith	Kiko	1.78	95.8	1.85	87%	102%
0138	Charles & Kelly Cummings	Kiko	1.72	92.7	1.85	119%	102%
73	Jeff Lamote	Kiko	1.45	78.4	1.85	126%	102%
27	Brad & Jennifer Beeson	Kiko	1.62	87.6	1.85	99%	102%
64	Will Chapman	Kiko	1.18	64.2	1.84	78%	101%
2031	John Weber	Kiko	1.50	81.6	1.84	123%	101%
25	Don & Christie Mulhall	Kiko	1.68	91.5	1.84	129%	101%
M060	Patricia Larr	Kiko	1.62	89.2	1.82	107%	100%
518	Kendall & Dana Barnes	Kiko	1.08	59.1	1.82	70%	100%
660	Dennis & Darla Higgins	Kiko	1.56	85.8	1.82	112%	100%
462	Bobby & Joe Murphy	Kiko	1.72	94.6	1.82	98%	100%
2015	Kenneth Jessee	Kiko	1.44	80.4	1.80	97%	99%
63	Will Chapman	Kiko	1.60	90.0	1.78	121%	98%
0109	Tracy Loyd	Kiko	1.60	90.4	1.77	107%	98%
0104	Tracy Loyd	Kiko	1.55	87.4	1.77	114%	97%
0112	Daniel J. Gibbons, II	Kiko	1.76	99.5	1.77	109%	97%
61	Will Chapman	Kiko	1.62	92.2	1.76	117%	97%
448	Bobby & Joe Murphy	Kiko	2.15	122.3	1.76	113%	97%
TMS 32	Mark Walley	Kiko	1.15	65.6	1.75	104%	96%
416	Bobby & Joe Murphy	Kiko	1.87	107.0	1.75	119%	96%
2033	John Weber	Kiko	1.13	66.3	1.70	85%	94%
81	Jeff Lamote	Kiko	1.04	61.4	1.70	89%	94%
401	Andy Roller	Kiko	1.41	83.3	1.70	118%	93%
0018	Angela Smith	Kiko	1.54	92.0	1.68	115%	92%
237	Stacey Merritt	Kiko	1.29	77.2	1.67	84%	92%
673	Dennis & Darla Higgins	Kiko	1.55	93.8	1.66	103%	91%
20037	Brent Ballinger	Kiko	1.11	67.1	1.65	94%	91%
557	Dennis & Darla Higgins	Kiko	1.44	87.3	1.65	77%	91%
0107	Daniel J. Gibbons, II	Kiko	1.48	90.0	1.65	106%	91%
0102	Tracy Loyd	Kiko	1.40	85.2	1.65	87%	91%
0135	Charles & Kelly Cummings	Kiko	1.66	101.5	1.64	104%	90%

0069	John S. Pope, Jr.	Kiko	1.41	86.2	1.63	101%	90%
0097	Alan Kelley	Kiko	1.33	82.0	1.62	112%	89%
0107	Tracy Loyd	Kiko	1.61	99.5	1.62	100%	89%
0017	James Thompson	Kiko	1.26	78.3	1.61	86%	89%
42	Will Chapman	Kiko	1.31	81.3	1.61	96%	89%
0039	Darryl Byrd	Kiko	1.28	79.5	1.60	111%	88%
0004	James Thompson	Kiko	1.02	63.8	1.60	92%	88%
0133	Charles & Kelly Cummings	Kiko	1.41	88.3	1.60	134%	88%
0896	Dewayne Smith	Kiko	1.25	78.2	1.60	79%	88%
367	Andy Roller	Kiko	1.37	85.7	1.60	94%	88%
0009	Angela Smith	Kiko	1.42	89.4	1.59	95%	87%
239	Stacey Merritt	Kiko	1.14	72.6	1.56	62%	86%
20026	Jared Dennison	Kiko	1.49	96.5	1.54	118%	85%
39	Cathy Blankenship	Kiko	1.04	67.6	1.54	83%	85%
0862	Dewayne Smith	Kiko	1.73	113.3	1.52	95%	84%
20042	Jared Dennison	Kiko	1.28	84.3	1.52	122%	83%
31	Joseph Knetter	Kiko	1.04	69.2	1.51	100%	83%
460	Bobby & Joe Murphy	Kiko	1.32	87.5	1.51	90%	83%
0188	Colton Pritchett	Kiko	1.30	87.1	1.50	100%	82%
TMS 40	Mark Walley	Kiko	1.32	88.3	1.49	105%	82%
0124	Charles & Kelly Cummings	Kiko	1.20	82.5	1.46	89%	80%
407	Marion & Wanda Simpson	Kiko	1.14	78.3	1.45	102%	80%
0095	Alan Kelley	Kiko	1.16	80.3	1.45	96%	80%
20005	Brent Ballinger	Kiko	1.56	108.5	1.44	118%	79%
569	Dennis & Darla Higgins	Kiko	1.48	103.8	1.43	109%	79%
0110	Daniel J. Gibbons, II	Kiko	1.48	105.8	1.40	108%	77%
20038	Brent Ballinger	Kiko	1.14	82.7	1.38	116%	76%
04126	P.J. Murphy	Kiko	1.22	88.9	1.38	75%	76%
510	Kendall & Dana Barnes	Kiko	0.85	62.3	1.37	84%	75%
514	Kendall & Dana Barnes	Kiko	0.98	71.6	1.37	85%	75%
67	Will Chapman	Kiko	1.20	88.8	1.35	81%	74%
76	Jeff Lamote	Kiko	0.98	74.8	1.31	78%	72%
410	Andy Roller	Kiko	1.06	81.2	1.30	87%	72%
04129	P.J. Murphy	Kiko	1.27	98.7	1.29	108%	71%
672	Dennis & Darla Higgins	Kiko	1.37	108.0	1.27	117%	70%
0103	Tracy Loyd	Kiko	1.10	86.7	1.26	95%	70%
733	Austin Higgins	Kiko	1.15	91.0	1.26	69%	69%
0121	Alan Kelley	Kiko	0.91	72.3	1.25	92%	69%
342	Brent Ballinger	Kiko	0.63	54.4	1.16	58%	64%
32	Joseph Knetter	Kiko	0.85	74.7	1.13	87%	62%
2041	Kenneth Jessee	Kiko	0.74	68.6	1.07	20%	59%
723	Austin Higgins	Kiko	1.00	97.5	1.02	112%	56%
<b>Test Average</b>			<b>1.54</b>	<b>84.7</b>	<b>1.82</b>	<b>100%</b>	

## 2020 WV Buck Test Fecal Egg Count Analysis



Farm			Avg	Final	FEC	
Tag #	Consignor	Breed	FEC	Test Ratio	Ratio	Rank
0133	Charles & Kelly Cummings	Kiko	0.0	134%	171.9	1
0022	Angela Smith	Kiko	0.0	131%	171.9	2
20017	Jared Dennison	Kiko	0.0	129%	171.9	3
25	Don & Christie Mulhall	Kiko	7.1	129%	163.7	4
73	Jeff Lamote	Kiko	8.3	126%	162.5	5
0097	Alan Kelley	Kiko	8.3	112%	162.5	6
30	Brad & Jennifer Beeson	Kiko	10.0	135%	160.9	7
527	Kendall & Dana Barnes	Kiko	14.3	143%	157.1	8
20045	Jared Dennison	Kiko	14.3	135%	157.1	9
2031	John Weber	Kiko	14.3	123%	157.1	10
723	Austin Higgins	Kiko	16.7	112%	155.2	
M041	Patricia Larr	Kiko	21.4	126%	151.7	
0100	Tracy Loyd	Kiko	30.0	136%	146.2	
660	Dennis & Darla Higgins	Kiko	33.3	112%	144.3	
401	Andy Roller	Kiko	33.3	118%	144.3	
2009	David Peters	Kiko	33.3	126%	144.3	
20038	Brent Ballinger	Kiko	35.7	116%	143.0	
M015	Patricia Larr	Kiko	35.7	130%	143.0	
0039	Darryl Byrd	Kiko	37.5	111%	142.0	
0113	Daniel J. Gibbons, II	Kiko	37.5	135%	142.0	
0121	Alan Kelley	Kiko	40.0	92%	140.7	
0018	Angela Smith	Kiko	41.7	115%	139.9	
20042	Jared Dennison	Kiko	41.7	122%	139.9	
04128	P.J. Murphy	Kiko	42.9	122%	139.3	
63	Will Chapman	Kiko	42.9	121%	139.3	
36	Will Chapman	Kiko	50.0	127%	136.1	
2029	John Weber	Kiko	50.0	126%	136.1	
41	Will Chapman	Kiko	57.1	133%	133.1	
0118	Charles & Kelly Cummings	Kiko	57.1	132%	133.1	
0068	Darryl Byrd	Kiko	58.3	120%	132.6	
M040	Patricia Larr	Kiko	58.3	124%	132.6	
2035	David Peters	Kiko	58.3	121%	132.6	
416	Bobby & Joe Murphy	Kiko	64.3	119%	130.4	
20061	Jared Dennison	Kiko	66.7	128%	129.5	
2033	John Weber	Kiko	71.4	85%	127.9	
2015	Kenneth Jessee	Kiko	71.4	97%	127.9	
0069	John S. Pope, Jr.	Kiko	78.6	101%	125.6	
20037	Brent Ballinger	Kiko	78.6	94%	125.6	
510	Kendall & Dana Barnes	Kiko	78.6	84%	125.6	

31	Joseph Knetter	Kiko	78.6	100%	125.6
0095	Alan Kelley	Kiko	83.3	96%	124.1
50	Will Chapman	Kiko	83.3	116%	124.1
M060	Patricia Larr	Kiko	83.3	107%	124.1
672	Dennis & Darla Higgins	Kiko	85.7	117%	123.4
TMS 32	Mark Walley	Kiko	91.7	104%	121.7
20005	Brent Ballinger	Kiko	91.7	118%	121.7
24	Don & Christie Mulhall	Kiko	91.7	102%	121.7
659	Dennis & Darla Higgins	Kiko	100.0	122%	119.4
33	Brad & Jennifer Beeson	Kiko	100.0	108%	119.4
0004	James Thompson	Kiko	100.0	92%	119.4
0138	Charles & Kelly Cummings	Kiko	100.0	119%	119.4
462	Bobby & Joe Murphy	Kiko	100.0	98%	119.4
0050	John S. Pope, Jr.	Kiko	110.0	111%	116.9
342	Brent Ballinger	Kiko	112.5	58%	116.3
61	Will Chapman	Kiko	114.3	117%	115.9
24	Brad & Jennifer Beeson	Kiko	114.3	112%	115.9
M039	Patricia Larr	Kiko	114.3	126%	115.9
6035	James Tyler Glasson	Kiko	125.0	106%	113.5
04127	P.J. Murphy	Kiko	128.6	104%	112.7
04129	P.J. Murphy	Kiko	135.7	108%	111.2
520	Kendall & Dana Barnes	Kiko	135.7	109%	111.2
0106	Tracy Loyd	Kiko	135.7	114%	111.2
0115	Daniel J. Gibbons, II	Kiko	140.0	132%	110.4
TMS 40	Mark Walley	Kiko	141.7	105%	110.1
04125	P.J. Murphy	Kiko	142.9	113%	109.8
514	Kendall & Dana Barnes	Kiko	150.0	85%	108.5
0104	Tracy Loyd	Kiko	150.0	114%	108.5
0110	Daniel J. Gibbons, II	Kiko	150.0	108%	108.5
0009	Angela Smith	Kiko	157.1	95%	107.2
448	Bobby & Joe Murphy	Kiko	157.1	113%	107.2
0021	Angela Smith	Kiko	158.3	106%	107.0
569	Dennis & Darla Higgins	Kiko	164.3	109%	105.9
20026	Jared Dennison	Kiko	164.3	118%	105.9
0090	Alan Kelley	Kiko	166.7	108%	105.5
TMS 20	Mark Walley	Kiko X	166.7	89%	105.5
6016	James Tyler Glasson	Kiko	166.7	121%	105.5
0174	Colton Pritchett	Kiko	166.7	100%	105.5
407	Marion & Wanda Simpson	Kiko	171.4	102%	104.7
0856	Dewayne Smith	Kiko	175.0	87%	104.1
0188	Colton Pritchett	Kiko	175.0	100%	104.1
2000	Mike & Lori Renick	Kiko	178.6	112%	103.5
673	Dennis & Darla Higgins	Kiko	180.0	103%	103.3
81	Jeff Lamote	Kiko	185.7	89%	102.4

0103	Tracy Loyd	Kiko	192.9	95%	101.3
2011	David Peters	Kiko	192.9	108%	101.3
2001	Mike & Lori Renick	Kiko	200.0	116%	100.3
0107	Daniel J. Gibbons, II	Kiko	200.0	106%	100.3
411	Andy Roller	Kiko	207.1	117%	99.3
0109	Tracy Loyd	Kiko	221.4	107%	97.3
0896	Dewayne Smith	Kiko	225.0	79%	96.9
M024	Patricia Larr	Kiko	233.3	95%	95.8
0862	Dewayne Smith	Kiko	235.7	95%	95.5
460	Bobby & Joe Murphy	Kiko	242.9	90%	94.6
410	Andy Roller	Kiko	258.3	87%	92.8
53	Joseph Knetter	Kiko	258.3	104%	92.8
0112	Daniel J. Gibbons, II	Kiko	260.0	109%	92.6
39	Cathy Blankenship	Kiko	266.7	83%	91.8
42	Will Chapman	Kiko	278.6	96%	90.5
367	Andy Roller	Kiko	283.3	94%	90.0
141	Marion & Wanda Simpson	Kiko	283.3	111%	90.0
27	Don & Christie Mulhall	Kiko	292.9	114%	89.0
0107	Tracy Loyd	Kiko	292.9	100%	89.0
64	Will Chapman	Kiko	300.0	78%	88.3
32	Joseph Knetter	Kiko	300.0	87%	88.3
76	Jeff Lamote	Kiko	314.3	78%	86.9
0017	James Thompson	Kiko	330.0	86%	85.4
405	Andy Roller	Kiko	371.4	83%	81.8
237	Stacey Merritt	Kiko	383.3	84%	80.9
0013	James Thompson	Kiko	400.0	72%	79.6
0135	Charles & Kelly Cummings	Kiko	400.0	104%	79.6
0503	John Weber	Kiko	400.0	84%	79.6
0037	Darryl Byrd	Kiko	416.7	105%	78.3
2040	Kenneth Jessee	Kiko	450.0	87%	76.0
0124	Charles & Kelly Cummings	Kiko	478.6	89%	74.0
27	Brad & Jennifer Beeson	Kiko	500.0	99%	72.7
0102	Tracy Loyd	Kiko	525.0	87%	71.2
518	Kendall & Dana Barnes	Kiko	591.7	70%	67.4
653	Dennis & Darla Higgins	Kiko	757.1	81%	59.7
239	Stacey Merritt	Kiko	800.0	62%	58.0
67	Will Chapman	Kiko	914.3	81%	53.7
04126	P.J. Murphy	Kiko	933.3	75%	53.1
733	Austin Higgins	Kiko	942.9	69%	52.8
557	Dennis & Darla Higgins	Kiko	1141.7	77%	46.7
2041	Kenneth Jessee	Kiko	1450.0	20%	39.0

## 2020 WV Buck Test Final Ratio Analysis



DAVIS COLLEGE OF AGRICULTURE,  
NATURAL RESOURCES AND DESIGN

Farm			ADG Ratio	ADJ REA Ratio	FEC Ratio	Final Test Ratio	Rank
Tag #	Consignor	Breed					
527	Kendall & Dana Barnes	Kiko	93%	175%	157.1%	143%	1
0100	Tracy Loyd	Kiko	130%	128%	146.2%	136%	2
30	Brad & Jennifer Beeson	Kiko	105%	132%	160.9%	135%	3
20045	Jared Dennison	Kiko	124%	115%	157.1%	135%	4
0113	Daniel J. Gibbons, II	Kiko	152%	110%	142.0%	135%	5
0133	Charles & Kelly Cummings	Kiko	131%	88%	171.9%	134%	6
41	Will Chapman	Kiko	136%	129%	133.1%	133%	7
0118	Charles & Kelly Cummings	Kiko	135%	128%	133.1%	132%	8
0115	Daniel J. Gibbons, II	Kiko	169%	125%	110.4%	132%	9
0022	Angela Smith	Kiko	87%	119%	171.9%	131%	10
M015	Patricia Larr	Kiko	112%	131%	143.0%	130%	
25	Don & Christie Mulhall	Kiko	109%	101%	163.7%	129%	
20017	Jared Dennison	Kiko	84%	116%	171.9%	129%	
20061	Jared Dennison	Kiko	129%	125%	129.5%	128%	
36	Will Chapman	Kiko	135%	106%	136.1%	127%	
73	Jeff Lamote	Kiko	103%	102%	162.5%	126%	
2009	David Peters	Kiko	110%	119%	144.3%	126%	
2029	John Weber	Kiko	107%	132%	136.1%	126%	
M039	Patricia Larr	Kiko	106%	158%	115.9%	126%	
M041	Patricia Larr	Kiko	91%	125%	151.7%	126%	
M040	Patricia Larr	Kiko	105%	131%	132.6%	124%	
2031	John Weber	Kiko	98%	101%	157.1%	123%	
659	Dennis & Darla Higgins	Kiko	139%	108%	119.4%	122%	
04128	P.J. Murphy	Kiko	110%	110%	139.3%	122%	
20042	Jared Dennison	Kiko	136%	83%	139.9%	122%	
63	Will Chapman	Kiko	119%	98%	139.3%	121%	
6016	James Tyler Glasson	Kiko	148%	113%	105.5%	121%	
2035	David Peters	Kiko	115%	110%	132.6%	121%	
0068	Darryl Byrd	Kiko	117%	105%	132.6%	120%	
416	Bobby & Joe Murphy	Kiko	127%	96%	130.4%	119%	
0138	Charles & Kelly Cummings	Kiko	135%	102%	119.4%	119%	
20026	Jared Dennison	Kiko	167%	85%	105.9%	118%	
401	Andy Roller	Kiko	107%	93%	144.3%	118%	
20005	Brent Ballinger	Kiko	151%	79%	121.7%	118%	
61	Will Chapman	Kiko	139%	97%	115.9%	117%	
672	Dennis & Darla Higgins	Kiko	156%	70%	123.4%	117%	
411	Andy Roller	Kiko	142%	115%	99.3%	117%	
2001	Mike & Lori Renick	Kiko	141%	113%	100.3%	116%	
20038	Brent Ballinger	Kiko	120%	76%	143.0%	116%	
50	Will Chapman	Kiko	116%	103%	124.1%	116%	
0018	Angela Smith	Kiko	105%	92%	139.9%	115%	

0106	Tracy Loyd	Kiko	113%	119%	111.2%	114%
27	Don & Christie Mulhall	Kiko	113%	148%	89.0%	114%
0104	Tracy Loyd	Kiko	137%	97%	108.5%	114%
04125	P.J. Murphy	Kiko	102%	128%	109.8%	113%
448	Bobby & Joe Murphy	Kiko	136%	97%	107.2%	113%
0097	Alan Kelley	Kiko	69%	89%	162.5%	112%
2000	Mike & Lori Renick	Kiko	113%	122%	103.5%	112%
24	Brad & Jennifer Beeson	Kiko	100%	119%	115.9%	112%
723	Austin Higgins	Kiko	109%	56%	155.2%	112%
660	Dennis & Darla Higgins	Kiko	79%	100%	144.3%	112%
0050	John S. Pope, Jr.	Kiko	108%	107%	116.9%	111%
141	Marion & Wanda Simpson	Kiko	127%	123%	90.0%	111%
0039	Darryl Byrd	Kiko	92%	88%	142.0%	111%
569	Dennis & Darla Higgins	Kiko	145%	79%	105.9%	109%
0112	Daniel J. Gibbons, II	Kiko	143%	97%	92.6%	109%
520	Kendall & Dana Barnes	Kiko	103%	111%	111.2%	109%
33	Brad & Jennifer Beeson	Kiko	72%	129%	119.4%	108%
0090	Alan Kelley	Kiko	101%	119%	105.5%	108%
04129	P.J. Murphy	Kiko	141%	71%	111.2%	108%
0110	Daniel J. Gibbons, II	Kiko	137%	77%	108.5%	108%
2011	David Peters	Kiko	115%	109%	101.3%	108%
0109	Tracy Loyd	Kiko	131%	98%	97.3%	107%
M060	Patricia Larr	Kiko	92%	100%	124.1%	107%
0021	Angela Smith	Kiko	86%	126%	107.0%	106%
0107	Daniel J. Gibbons, II	Kiko	129%	91%	100.3%	106%
6035	James Tyler Glasson	Kiko	85%	115%	113.5%	106%
TMS 40	Mark Walley	Kiko	122%	82%	110.1%	105%
0037	Darryl Byrd	Kiko	112%	132%	78.3%	105%
TMS 32	Mark Walley	Kiko	89%	96%	121.7%	104%
04127	P.J. Murphy	Kiko	92%	105%	112.7%	104%
53	Joseph Knetter	Kiko	121%	102%	92.8%	104%
0135	Charles & Kelly Cummings	Kiko	150%	90%	79.6%	104%
673	Dennis & Darla Higgins	Kiko	113%	91%	103.3%	103%
407	Marion & Wanda Simpson	Kiko	120%	80%	104.7%	102%
24	Don & Christie Mulhall	Kiko	69%	108%	121.7%	102%
0069	John S. Pope, Jr.	Kiko	79%	90%	125.6%	101%
0107	Tracy Loyd	Kiko	126%	89%	89.0%	100%
0174	Colton Pritchett	Kiko	87%	106%	105.5%	100%
31	Joseph Knetter	Kiko	82%	83%	125.6%	100%
0188	Colton Pritchett	Kiko	111%	82%	104.1%	100%
27	Brad & Jennifer Beeson	Kiko	131%	102%	72.7%	99%
462	Bobby & Joe Murphy	Kiko	67%	100%	119.4%	98%
2015	Kenneth Jessee	Kiko	54%	99%	127.9%	97%
42	Will Chapman	Kiko	111%	89%	90.5%	96%
0095	Alan Kelley	Kiko	75%	80%	124.1%	96%
0862	Dewayne Smith	Kiko	107%	84%	95.5%	95%
0009	Angela Smith	Kiko	88%	87%	107.2%	95%

0103	Tracy Loyd	Kiko	113%	70%	101.3%	95%
M024	Patricia Larr	Kiko	83%	105%	95.8%	95%
20037	Brent Ballinger	Kiko	54%	91%	125.6%	94%
367	Andy Roller	Kiko	104%	88%	90.0%	94%
0004	James Thompson	Kiko	59%	88%	119.4%	92%
0121	Alan Kelley	Kiko	50%	69%	140.7%	92%
460	Bobby & Joe Murphy	Kiko	89%	83%	94.6%	90%
TMS 20	Mark Walley	Kiko X	48%	108%	105.5%	89%
81	Jeff Lamote	Kiko	65%	94%	102.4%	89%
0124	Charles & Kelly Cummings	Kiko	116%	80%	74.0%	89%
32	Joseph Knetter	Kiko	111%	62%	88.3%	87%
2040	Kenneth Jessee	Kiko	65%	125%	76.0%	87%
410	Andy Roller	Kiko	96%	72%	92.8%	87%
0856	Dewayne Smith	Kiko	49%	102%	104.1%	87%
0102	Tracy Loyd	Kiko	103%	91%	71.2%	87%
0017	James Thompson	Kiko	83%	89%	85.4%	86%
514	Kendall & Dana Barnes	Kiko	64%	75%	108.5%	85%
2033	John Weber	Kiko	19%	94%	127.9%	85%
0503	John Weber	Kiko	62%	113%	79.6%	84%
510	Kendall & Dana Barnes	Kiko	38%	75%	125.6%	84%
237	Stacey Merritt	Kiko	81%	92%	80.9%	84%
39	Cathy Blankenship	Kiko	69%	85%	91.8%	83%
405	Andy Roller	Kiko	58%	108%	81.8%	83%
653	Dennis & Darla Higgins	Kiko	87%	103%	59.7%	81%
67	Will Chapman	Kiko	123%	74%	53.7%	81%
0896	Dewayne Smith	Kiko	45%	88%	96.9%	79%
76	Jeff Lamote	Kiko	74%	72%	86.9%	78%
64	Will Chapman	Kiko	40%	101%	88.3%	78%
557	Dennis & Darla Higgins	Kiko	105%	91%	46.7%	77%
04126	P.J. Murphy	Kiko	105%	76%	53.1%	75%
0013	James Thompson	Kiko	11%	121%	79.6%	72%
518	Kendall & Dana Barnes	Kiko	43%	100%	67.4%	70%
733	Austin Higgins	Kiko	89%	69%	52.8%	69%
239	Stacey Merritt	Kiko	44%	86%	58.0%	62%
342	Brent Ballinger	Kiko	-25%	64%	116.3%	58%
2041	Kenneth Jessee	Kiko	-45%	59%	39.0%	20%

**TEST AVERAGE**