

The Genetic Advancement of Texas Wool Sheep Field Day

9/9/2021

Texas A&M AgriLife Extension

Supported by USDA SARE Grant # ES19-147

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Value of a Finewool Ram

⊙ Measured by Productivity of Daughters!

1. Lambs Weaned
2. Weaning Weight
3. Fleece Weight
4. Fleece Value
5. Survival
 - A. Maintains Condition
 - B. Parasite Resistance
 - C. Longevity



1

EBVs – Predict These Traits

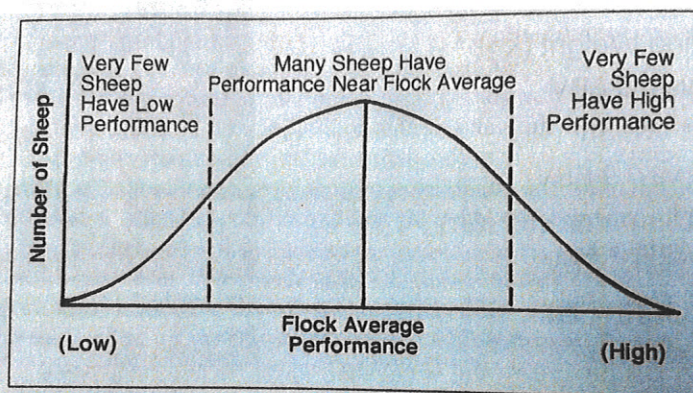


Figure 6. Normal Distribution Curve for A Quantitative Trait. Most sheep have performance levels close to the average of the flock with few sheep having very low or very high performance.

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2

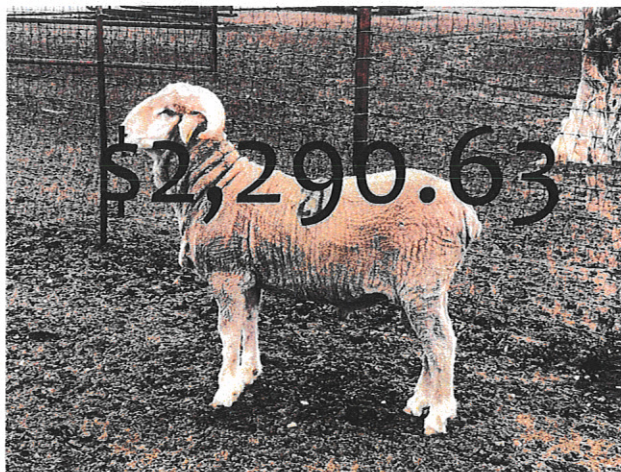
Value of 100 Daughters

- ◉ Weaning
 - $2 \text{ lb} * 100 \text{ lambs} = 200 \text{ lb} * \$2.50 = \$500$
- ◉ Fleece Weight
 - $0.375 \text{ lb} * 100 \text{ fleeces} = 37.5 \text{ lb} * \$2.50 = \$93.75$
- ◉ Fiber Diameter
 - $0.5 \text{ micron} : \$0.25 * 787.50 \text{ lb} = \196.88
- ◉ Lamb Crop
 - $5 \% * 100 \text{ ewes} = 5 \text{ lambs} * \$200 = \$1,000$
- ◉ Parasite
 - $1 \text{ less drench} = \500

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5

Annual Value of Daughters Production



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6

HF4 Ranch

*You can't make progress without change, but
not all change is progress.*

1



History

5th Generation Rancher
2010 - ranch established

- 5000 acres
- 300 sheep

2020

- 25,500 acres
- 1300 sheep

2

Pregnancy Scanning

Fall 2016

Scanned 400 Ewes
 Learned to ultrasound
 Learned how to identify twinning ewes
 Incorporate Selective Replacement Strategy based upon ultrasound data



GOAL: Increase lamb crop to 125% without sacrificing wool or growth traits

5

EBV

Estimated Breeding Value

Purchased Rams from Montana with EBV Data
 Track and Improve

- Wool Traits
- Growth Traits
- Priority on Number of Lambs Born (NLB)



GOAL: Focus on the genetics instead of depending on visual selection

6

Transitioning with Technology



EID Tags



EID Reader



Ultrasound
Technology



Bluetooth
Scale



9

Transitioning with Technology



Collecting
Wool Data



NSIP & EBV



Livestock Protection
Dogs

NSIP & HBV

10

Preston Neely

Neely Sawyer Ranch

Sonora, TX

250-300 Fine Wool Rambouilett

The reason we started with Wool Quality was strictly because I had an interest in Wool.

From an income standpoint we would have been better served by starting with lamb production.

Number of lambs and weight of lambs makes more impact to profits than wool quality.

Two years ago we visited Montana and Idaho with Agrilife and saw ranches with excellent sheep using NSIP. We came home and Joined.

We started by DNA'ing our lambs and herdsires.

We were able to match which rams sired which lambs. And which rams sired with most lambs.

We collected weaning weights and yearling weights.

We started ultrasounding ewes for pregnancy, singles and twins.

We started collecting fecals and measuring levels of worms/animal

EBV Report ..

Analysis - USA RANGE - 01 September 2021

Pedigree Master

Animal ID	Sex	Bwt	Mwvt	Wwt	PWwt	Pfat	Pemd	Pwec	NLW%	USA RANGE	Sire	Dam
6120292020004735	F			0.0	0.2				-0.8	99.58	6120202017009314	6120292016016691
6120292020004793	F			0.8	1.7				-3.6	101.48	6120202017009295	6120292018005749
6120292020004713	F	0.13		0.3	1.5				11.1	107.42	6120012016RP6348	6120292014009393
6120292020004842	F	0.21		0.9	2.8				10.4	109.68	6120012016RP6038	6120292018MN5509
6120292020004748	F	0.24		1.1	3.2				10.5	110.39	6120012016RP6038	

EBV Report ..

Analysis - USA RANGE - 01 September 2021

Pedigree Master

Animal ID	Sex	Bwt	Mwt	Wwt	PWwt	Pflat	Pemd	Pwec	NIW%	USA RANGE	Sire	Dam
6120292020000157	M			0.8	1.8				-1.7	102.63	6120202017009295	6120292017002117
6120292020000193	M			1.0	2.1				-1.7	103.19	6120202017009295	6120292017002733
6120292020000120	M			1.2	2.8					106.28	6120292018000059	6120292018MN5508
6120292020000137	M	0.09		0.7	2.3				5.5	107.85	6120012018RP8202	6120292017002237
6120292020000175	M	0.04		0.4	1.7				8.5	108.10	6120012018RP8202	6120292016016709
6120292020000158	M	0.20		0.9	2.6				12.1	109.76	6120012016RP6038	6120292016016713

EBV Report ..

Analysis - USA RANGE - 01 September 2021

Pedigree Master

Animal ID	Sex	Bwt	Mwt	Wwt	PWwt	Pfat	Pemd	Pwec	NIM%	USA RANGE	Sire	Dam
6120202017009314	M	0.05	-1.0	0.2	0.8			10.2	-1.4	99.73	61201820140B1093	6120202015009105
6120202017009295	M	0.15	-0.1	0.9	1.9			31.8	-3.6	101.30	6120202010008762	6120202014009077
6120292018000059	M	0.12		0.7	1.6			1.0		103.59		6120292010009378
6120012016RP6348	M	0.24	-0.8	0.7	2.8	0.4	-0.4	2.0	17.3	111.81	61201020130A1533	6120012013RP3459
6120012018RP8202	M	-0.01	1.3	0.2	2.0	-0.4	0.3		15.5	112.47	6120012015RH5011	6120012010RP0169
6120012016RP6038	M	0.31	0.3	1.2	3.9	-0.8	0.3		17.9	114.18	61201020130A1533	6120012012RP2031

EBV Report ..

Analysis - USA RANGE - 01 September 2021

Pedigree Master

Animal ID	Sex	Wwt	Ywt	Yfd	Ygfw	Ycfw	Yss	Ysl	Ycurv	NLW%	USA RANGE	Sire	Dam
6120202017009314	M	0.2	1.8	-0.3	2.4			1.0	-1.4		99.73	61201820140B1093	6120202015009105
6120202017009295	M	0.9	4.0	-1.1	0.9			1.8	8.6	-3.6	101.30	6120202010008762	6120202014009077
6120292018000059	M	0.7	3.1	1.2	11.1						103.59		6120292010009378
6120012016RP6348	M	0.7	5.8	0.0	6.5			-0.3	-1.2	17.3	111.81	61201020130A1533	6120012013RP3459
6120012018RP8202	M	0.2	4.9	0.3	18.1			8.1	-6.9	15.5	112.47	6120012015RH5011	6120012010RP0169
6120012016RPF6038	M	1.2	7.7	-0.6	2.1			4.3	-1.9	17.9	114.18	61201020130A1533	6120012012RP2031

ID	DOB	Lambs Reared	BT/RT	Wwt	PWwt	Ywt	YFD	YGFW	NLB	NLW	USA Range	Sire
9232	2017	2	2/2	-1.1	-2.5	-3.5	-0.5	-12.8	-2.5	-1.5	93.93	9115
9233	2017	6	2/1	-1.2	-2.3	-2.4	-0.7	-11.4	+7.6	+4.4	97.72	9115
9244	2017	6	2/2	-0.8	-1.7	-2.5	-0.7	-15.1	+8.5	+5.4	98.97	9115
12639	2019	1	2/2	-0.2	-0.6	-2.9	+0.3	-7.3	+6.8	+5.0	101.55	3097

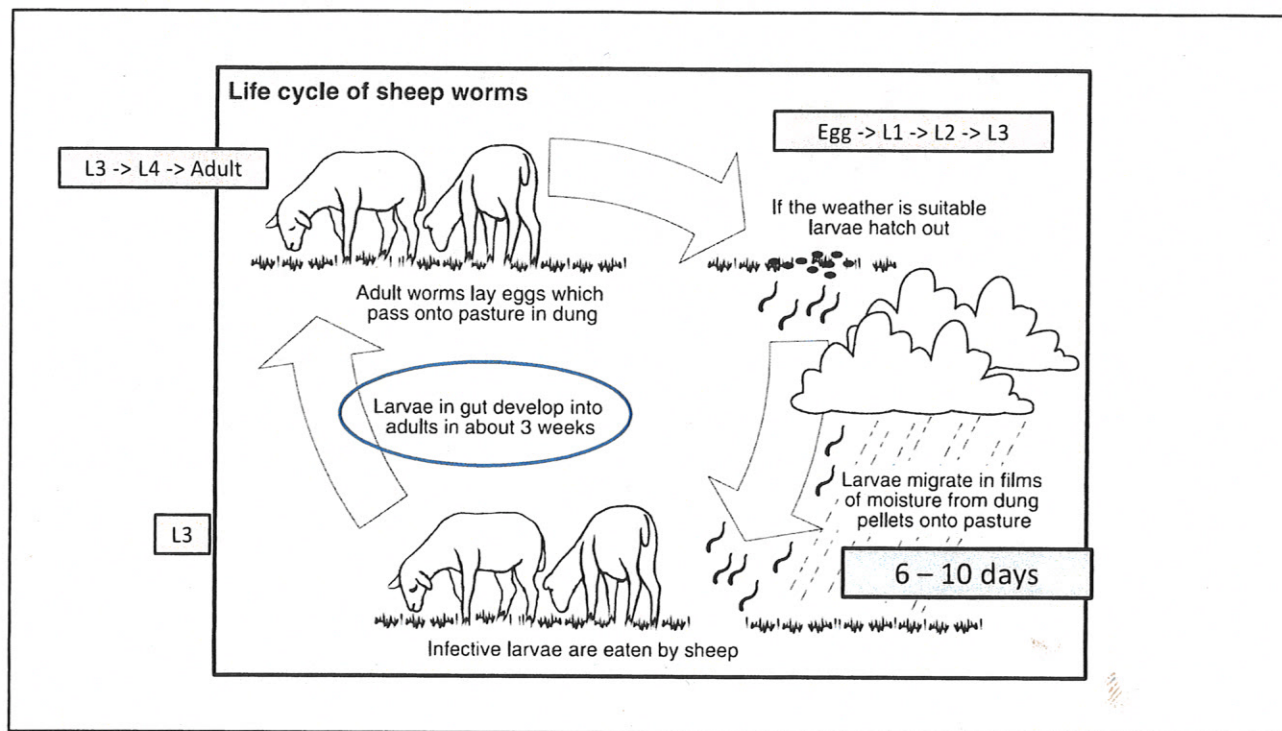
95%	+1.05	+2.5	+5.08	-1.11	+11.67	+14.0	107.62
90%	+88	+2.07	+4.06	-0.74	+8.87	+8.0	105.85
75%	+63	+1.54	+2.34	-0.15	+4.14	+4.0	103.85
50%	+0.31	+0.74	+0.15	0.0	0.0	0.0	101.93

ID	DOB	BT/RT	Wwt	PWwt	Ywt	YFD	YGFw	NLB	NLW	USA Range	Sire	Dam	Dam YOB
7603	2021	2/2	+0.8	+1.7	.	.	.	+3.8	+3.4	104.83	12902 (lehf x TAES)	3234	2016
7617	2021	1/1	+0.2	+0.2	.	-1.2	-5.0	-1.5	-0.8	99.82	12902 (lehf x TAES)	9097	2015
7607	2021	2/2	+0.7	+1.7	.	.	.	.	+1.8	104.53	289 (Pfluger)	3293	2017
7638	2021	2/1	+0.4	+0.7	+1.0	-0.9	+0.4	-2.3	-2.2	100.90	289 (Pfluger)	9261	2017
7666	2021	2/1	-0.1	0.0	+0.3	-0.5	-3.9	+0.8	-0.3	99.56	289 (Pfluger)	9271	2017
7779	2021	2/2	+5	+1.0	+1.5	-0.3	+2.9	+5.0	+2.9	103.82	289 (Pfluger)	9117	2015
7604	2021	2/2	0.0	+0.9	+4.0	-0.3	-1.1	+5.2	+4.7	101.82	6105 (Helle)	9292	2017
7620	2021	1/1	+0.7	+2.7	+6.6	0.0	+8.3	+3.6	+3.5	104.30	6105 (Helle)	12637	2019
7647	2021	1/1	-0.9	-1.1	+0.3	-0.9	-12.9	+2.3	+2.6	96.48	6105 (Helle)	9272	2017
7662	2021	1/1	-0.1	+0.4	+2.1	-0.2	0.0	+5.9	+4.9	101.83	6105 (Helle)	9185	2016
7778	2021	1/1	-0.4	0.0	+2.6	-0.3	-1.9	+5.8	+5.0	100.27	6105 (Helle)	9143	2016

95%	+1.05	+2.5	+5.08	-1.11	+11.67	+14.0	107.62
90%	+88	+2.07	+4.06	-0.74	+8.87	+8.0	105.85
75%	+63	+1.54	+2.34	-0.15	+4.14	+4.0	103.85
50%	+0.31	+0.74	+0.15	0.0	0.0	0.0	101.93

ID	DOB	BT/RT	Wwt	PWwt	Ywt	YFD	YGFW	NLB	NLW	PFEC	USA Range	Sire
9295	2017	1/1	+0.3	+0.6	+2.3	-1.1	-1.9	-3.6	-3.7	+33.2	99.08	8762
12199	2018	2/1	+0.4	+0.3	-0.6	-1.1	-4.4	-2.2	-1.7	-14.2	100.33	9210
13762	2020	2/2	+0.6	+1.8	+5.2	+0.3	+15.0	-1.6	-0.7	+21.8	102.30	12202
13812	2020	1/1	-0.4	-0.9	-0.9	0.0	-1.5	-3.0	-2.7	+10.7	-3.0	12202

95%	+1.05	+2.5	+5.08	-1.11	+11.67	+14.0	107.62
90%	+88	+2.07	+4.06	-0.74	+8.87	+8.0	105.85
75%	+63	+1.54	+2.34	-0.15	+4.14	+4.0	103.85
50%	+0.31	+0.74	+0.15	0.0	0.0	0.0	101.93



1



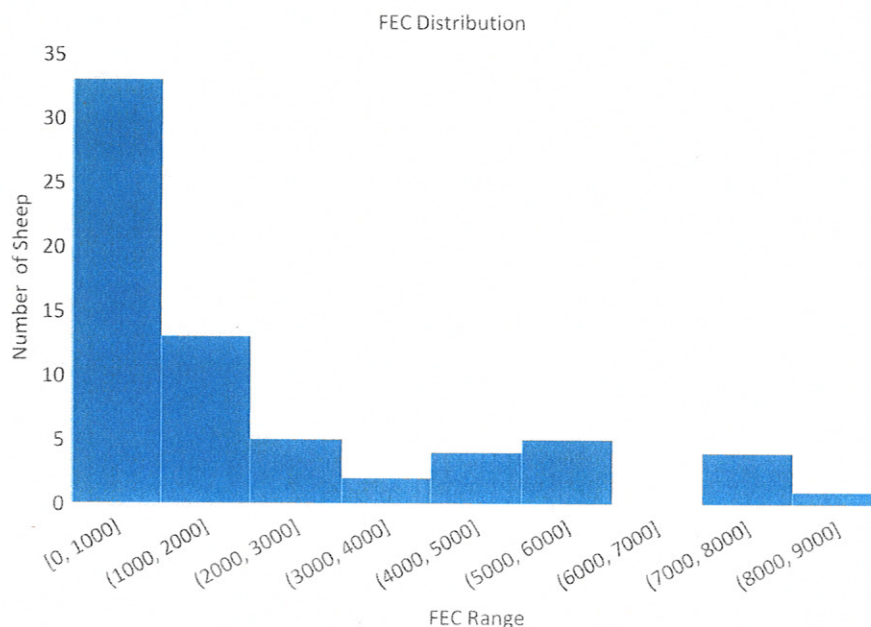
2

Fisher Fecal Egg Counts
8/23/2021

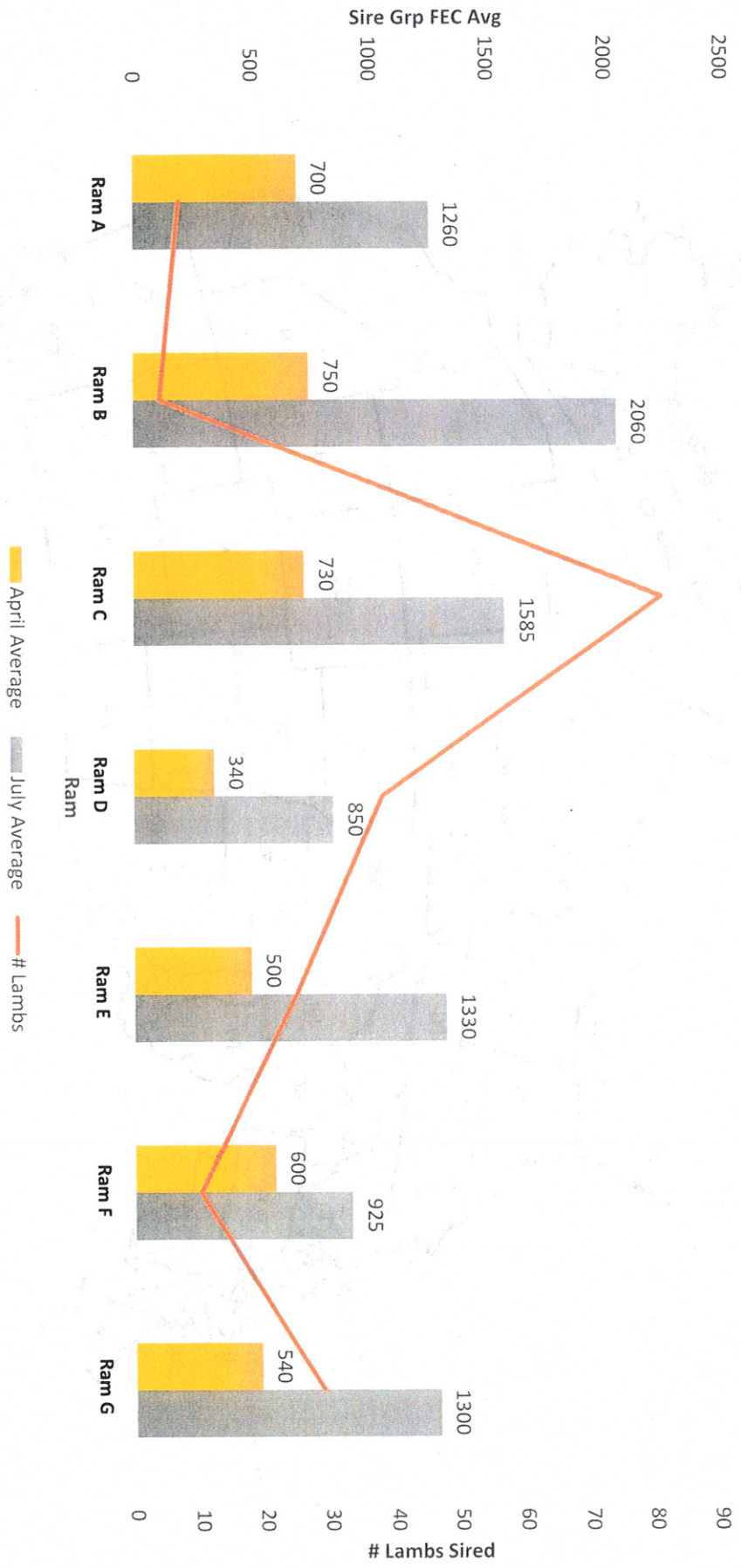
ID	FEC
4705	1450
4708	550
4708	350
4712	50
4713	150
4714	2100
4715	1650
4719	3850
4724	2900
4725	7500
4726	0
4728	1150
4735	500
4737	50
4744	650
4745	7400
4746	700
4747	50
4748	150
4751	1450
4752	2550
4753	2450
4754	5050
4755	700
4756	1000
4763	0
4764	0
4770	4500
4773	50
4775	350
4776	5150
4779	4400
4780	1250
4788	650
4790	300
4793	200
4795	1650
4797	7900
4798	150
4799	50
4800	500
4801	500
4802	1350
4806	5200
4807	50
4808	150
4812	5800
4813	7600
4814	0
4818	250
4819	2000
4820	1250
4821	5250
4822	0
4823	500
4825	4200
4830	1100
4831	1450
4833	3000
4836	3900
4841	4800
4842	350
4845	1100
4846	0
4851	1900
4860	8950
4877	200

Summary:

Head Count = 67
Maximum* = 8950
Minimum* = 0
Average* = 1975
Standard Error* = 286.2
Median* = 1100



FEC by Sire



EBV Report ..

Monday, September 6, 2021

Animal ID	Sex	Bwt	Mwt	Wwt	PWwt	Pfat	Pemd	Pwec	NLW%	USA RANGE		Sire	Dam
61203220200328	F			-0.5	-0.7			28.9	3.1	101.19		6120322017170222	6120322017170233
61203220200366	F			-0.2	-0.1			31.2	-1.8	100.05		6120322017170222	6120322018180262
61203220200372	F			0.4	1.8			-18.1	3.8	104.39		6120322014144100	6120322014140055

EBV Report ..

Monday, September 6, 2021

Animal ID	Sex	Wwt	Ywt	Yfd	Ygfw	Ycfw	Yss	Ysl	Ycurv	NLW%	USA RANGE		Sire	Dam
6120322020200328	F	-0.5	0.0	-0.1	6.9			12.5	-15.3	3.1	101.19		6120322017170222	6120322017170233
6120322020200366	F	-0.2	0.1	-0.7	4.7			5.9	-12.8	-1.8	100.05		6120322017170222	6120322018180262
6120322020200372	F	0.4	4.9	0.7	8.4			13.8	-7.7	3.8	104.39		6120322014144100	6120322014140055

OFDA 2000 REPORT : SORTED BY TAG
2021 ewe Lambs 40 samples (40Records)

Animal Eartag	Mic Ave	SD Mic	CV Mic	CEM	<15 %	CF %	SF Mic	SL mm	Min Mic	Max Mic	Fibre Ends	SD Along	SDC Dg/mm
Averages	18.7	3.5	18.7	6.6	11.8	99.4	17.9	68.0	16.7	20.9	0.1	1.43	58.5
50426	18.8	3.5	18.6	6.8	9.5	99.8	18.0	65.0	17.0	20.4	0.9	1.20	59.7
13744	19.8	3.4	16.9	6.1	5.4	99.6	18.7	50.0	18.6	21.7	0	1.20	69.3
15026	15.8	2.9	18.3	5.4	32.5	100.0	15.0	70.0	14.3	18.3	0.6	1.40	57.3
50427	18.9	3.3	17.7	6.2	7.2	99.6	17.9	70.0	16.8	21.5	-0.2	1.50	60.4
50428	18.9	3.2	16.8	5.9	7.4	99.8	17.8	90.0	16.6	20.7	-0.2	1.40	42.3
50430	16.9	2.8	16.6	5.3	18.2	100.0	15.9	70.0	15.8	18.7	-0.1	0.90	63.4
50431	18.2	3.0	16.4	5.3	9.6	99.9	17.1	70.0	16.3	20.5	0	1.50	49.6
50432	18.8	3.4	18.1	6.2	9.3	99.7	17.9	55.0	16.9	21.5	-0.4	1.70	55.5
50433	18.9	4.7	24.9	9.2	18.3	98.1	19.1	65.0	16.6	21.7	0.7	1.70	58.0
50434	17.4	3.0	17.4	5.7	15.0	100.0	16.4	75.0	15.7	19.3	0.2	1.30	55.5
50435	19.3	3.7	19.0	7.3	6.5	99.1	18.5	75.0	17.8	21.5	-0.3	1.20	54.6
50436	18.9	3.5	18.8	6.5	9.8	99.8	18.1	65.0	16.9	21.3	0.7	1.50	54.6
50437	16.3	3.6	21.9	7.1	33.7	100.0	16.0	80.0	14.7	18.9	0.3	1.60	48.9
50438	18.1	2.9	16.1	5.4	9.6	99.9	16.9	70.0	17.2	18.9	0.2	0.50	56.1
50439	19.7	3.6	18.5	6.5	6.9	99.7	18.7	50.0	18.0	21.1	-0.3	0.90	63.8
50440	19.2	3.6	18.8	6.7	8.0	99.6	18.3	70.0	16.2	22.1	-0.8	2.00	54.4
50441	17.3	3.6	20.8	6.6	23.5	100.0	16.8	55.0	14.8	20.6	1.5	2.20	51.9
50442	20.9	3.2	15.3	5.9	1.5	99.3	19.4	70.0	19.3	22.5	-0.1	0.90	58.1
50443	21.4	4.1	19.3	7.5	3.1	97.9	20.5	70.0	18.0	24.5	1.0	2.20	55.9
50444	19.0	3.9	20.4	7.6	11.1	99.6	18.4	70.0	16.0	21.9	-0.9	2.10	64.0
50446	20.1	4.1	20.3	7.7	6.1	98.4	19.5	75.0	19.0	21.5	0.7	0.70	56.8
50447	17.6	2.9	16.3	5.6	12.4	99.9	16.5	70.0	16.6	18.7	0.4	0.60	64.2
50448	18.0	3.0	16.6	5.8	8.8	99.9	16.9	65.0	17.2	19.1	-0.3	0.60	67.5
50449	20.5	4.8	23.3	9.2	10.2	96.8	20.4	70.0	17.0	24.5	1.4	2.50	64.2
50450	17.1	2.9	17.1	5.3	18.2	100.0	16.1	75.0	16.1	18.0	-0.2	1.50	63.0
50451	19.2	3.7	19.2	7.5	6.5	99.2	18.4	65.0	17.5	21.5	1.2	1.20	64.7
50452	18.5	3.0	16.2	5.5	8.0	99.8	17.4	75.0	17.4	19.5	-0.2	0.80	55.9
50453	19.5	3.5	17.8	6.8	5.6	99.4	18.5	75.0	17.1	21.1	-0.3	1.30	58.4
50454	17.1	3.6	20.8	7.2	22.9	100.0	16.6	60.0	14.8	19.2	-0.3	1.70	62.2
50455	16.8	3.0	18.0	5.7	22.6	100.0	15.9	55.0	15.3	18.8	0.4	1.40	54.1
50471	19.4	3.5	17.8	6.3	6.9	99.7	18.4	70.0	17.1	22.1	0.3	1.50	63.0
50472	19.8	4.2	21.2	7.5	10.8	98.9	19.3	60.0	16.2	23.7	-0.7	2.70	58.8
50473	21.0	4.6	21.8	8.8	6.0	97.2	20.6	65.0	17.9	24.0	0.4	1.80	67.1
50474	18.9	3.3	17.5	5.9	8.3	99.7	17.9	70.0	16.0	21.3	-1.2	1.80	71.6
50475	15.7	3.4	21.9	6.6	35.9	100.0	15.4	65.0	13.4	17.9	0	1.60	63.2
50481	20.4	3.8	18.7	6.8	4.4	98.8	19.4	75.0	18.0	22.4	-0.5	1.50	61.6
50482	19.3	3.7	19.0	6.8	8.5	99.5	18.5	75.0	17.8	21.3	0.2	0.90	53.1
50483	19.1	3.3	17.5	6.4	6.6	99.7	18.0	60.0	16.1	21.4	0.1	1.70	56.5
50483 NT	21.7	4.0	18.6	7.8	2.3	97.3	20.7	75.0	19.1	24.0	-0.2	1.80	57.7
50485	17.5	3.2	18.5	6.3	16.4	100.0	16.7	65.0	15.5	19.3	-0.1	1.40	60.7

Texas AgriLife Research
 Phone 325 653 4576
 Email. f-pfeiffer@tamu.edu
 7887 US Hwy 87N
 San Angelo, TX 76901

OFDA 2000 SUMMARY
 2021 ewe Lambs 40 samples (40Records)

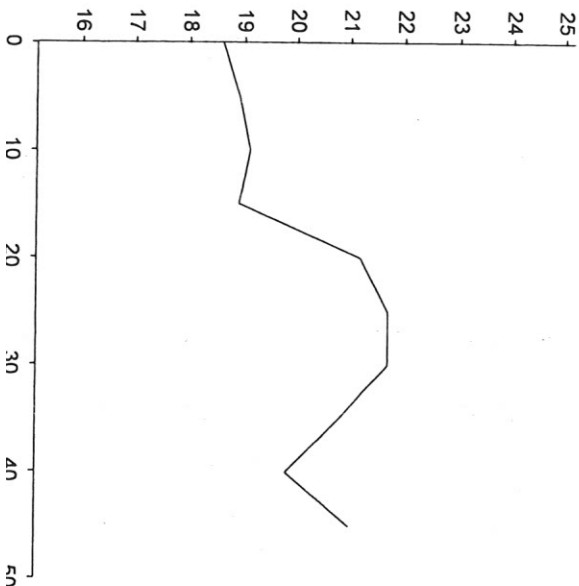
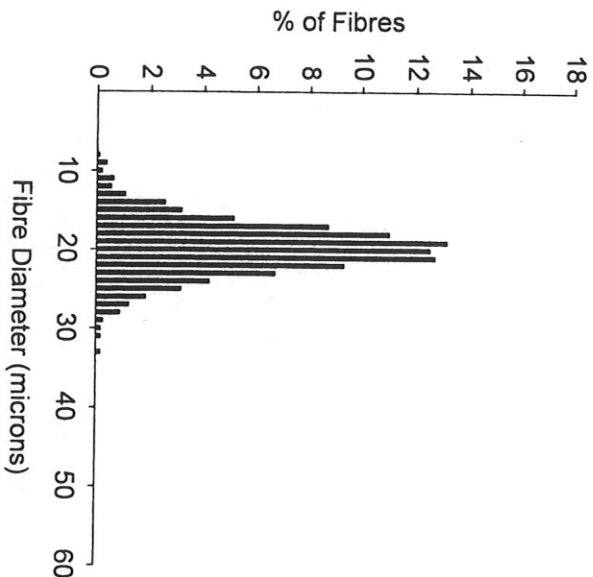
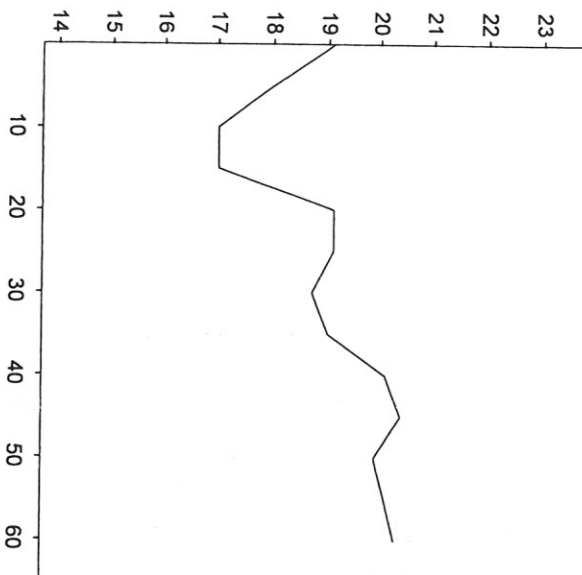
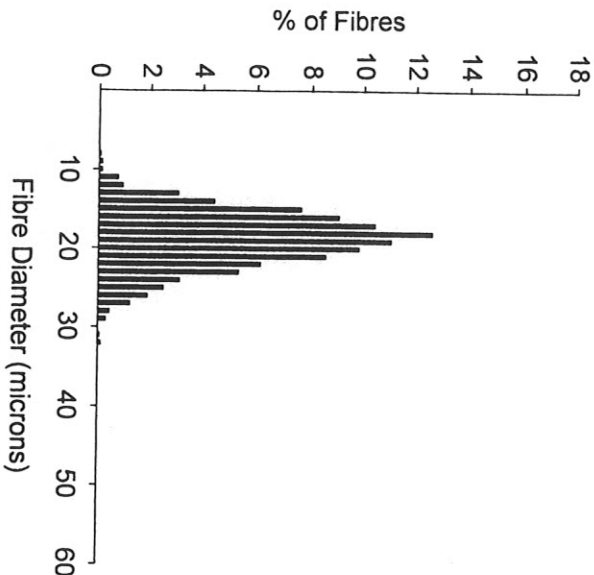
Job Details
 Read Ranch
 Reference: 0092 - 0088
 Tested: Jun 17, 2021

	Count	Mic Ave	SD Mic	CV Mic	CEM	<15 %	CF %	SF Mic	SL mm	Min Mic	Max Mic	Fibre Ends	SD Along	SDC Dg/mm
All Animals	40	18.7	3.5	18.7	6.6	11.8	99.4	17.9	68.0	16.7	20.9	0.1	1.43	58.5
Selected														
Total Selected	40	18.7	3.5	18.7	6.6	11.8	99.4	17.9	68.0	16.7	20.9	0.1	1.43	58.5

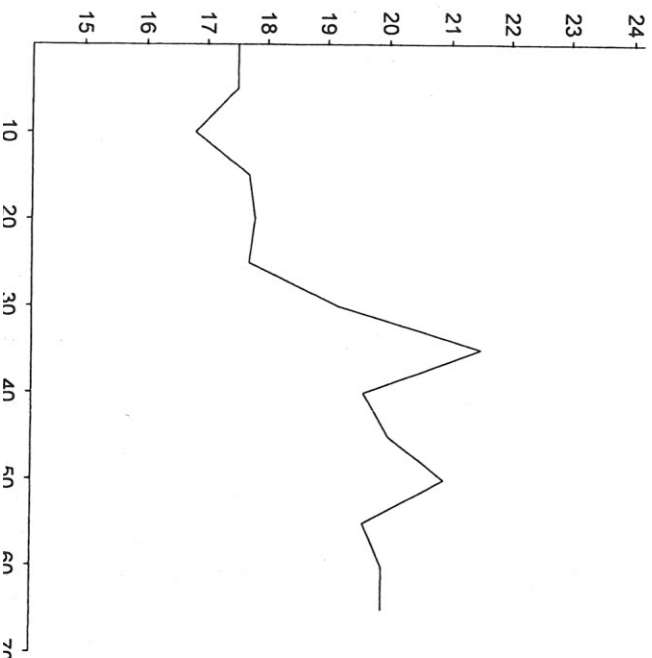
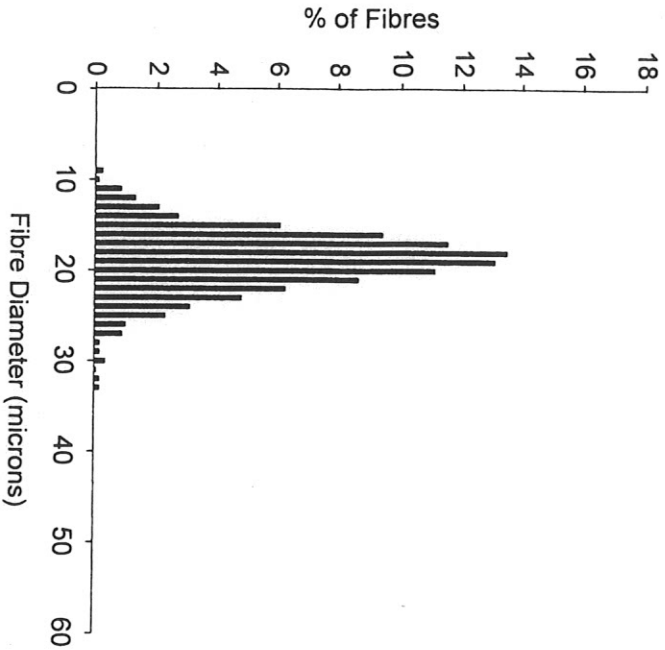
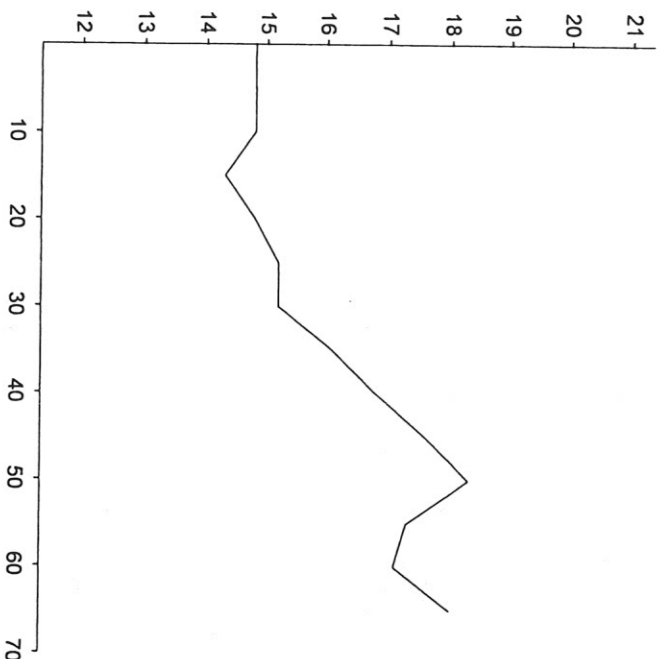
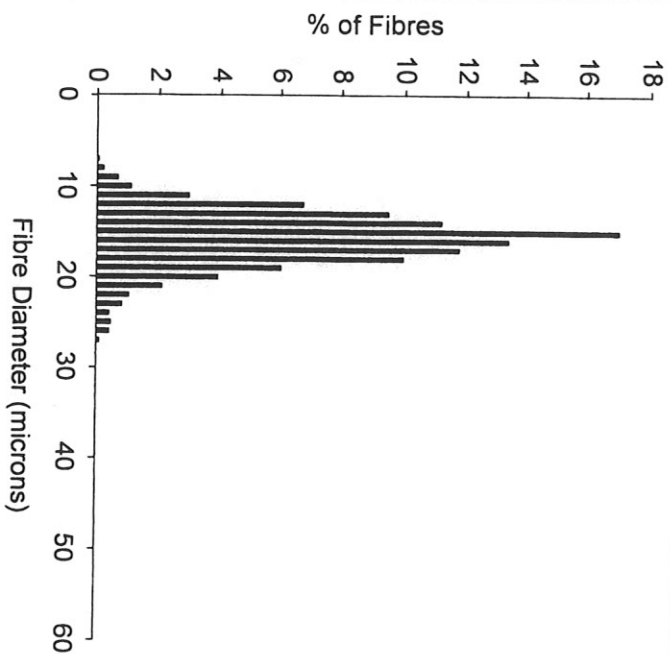
Texas Agrilife Research
 Phone 325 653 4576
 Email. f-pfeiffer@tamu.edu
 7887 US Hwy 87N
 San Angelo, TX 76901

OFDA 2000 REPORT : SORTED BY TAG
 2021 ewe Lambs 40 samples (40Records)

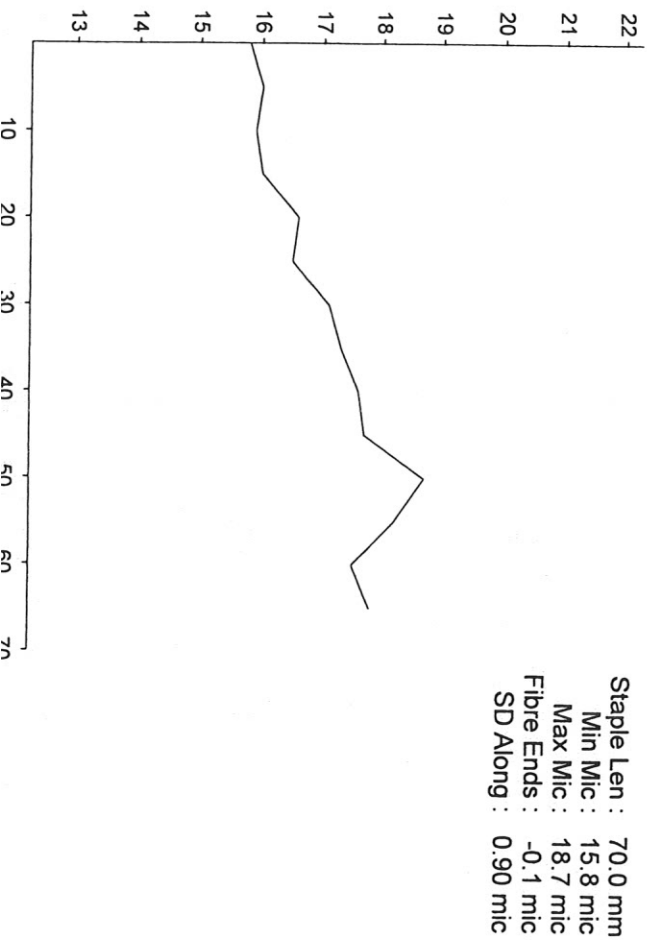
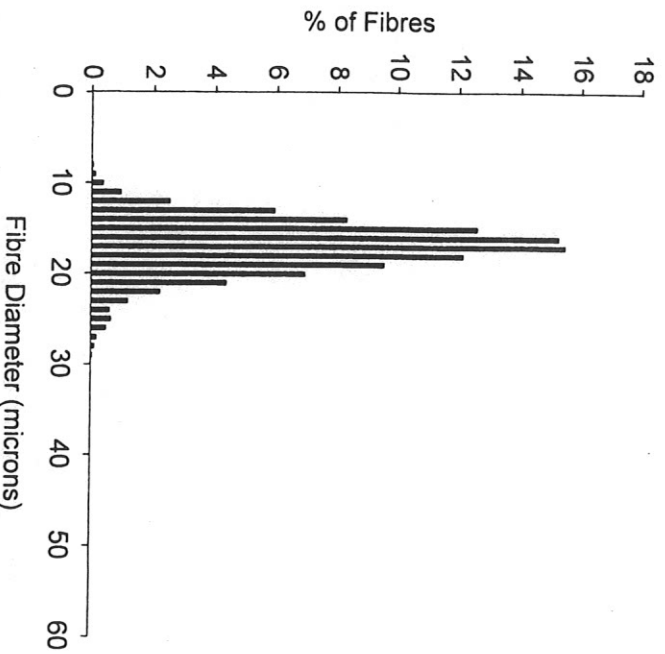
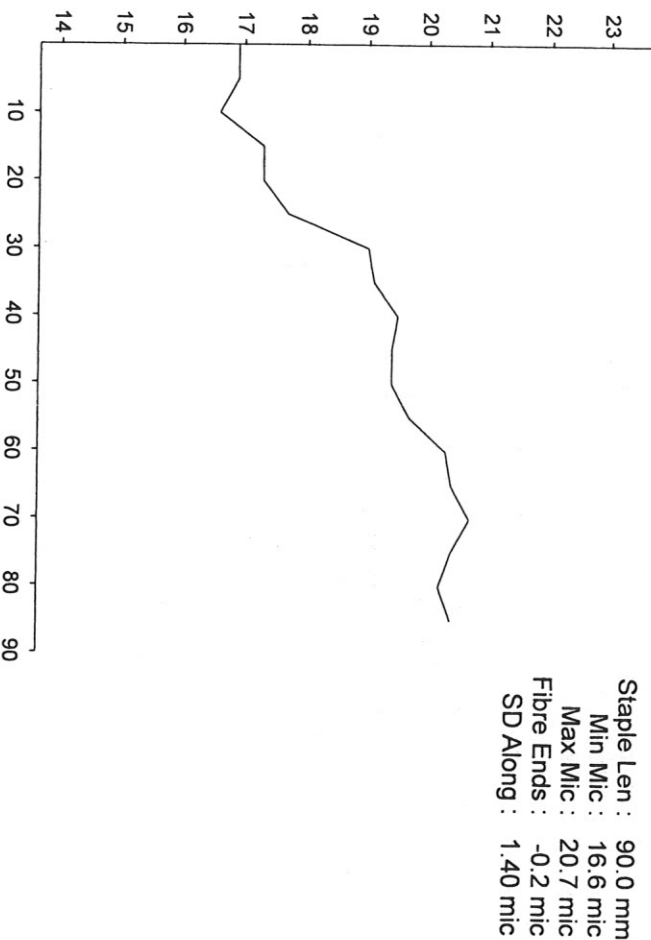
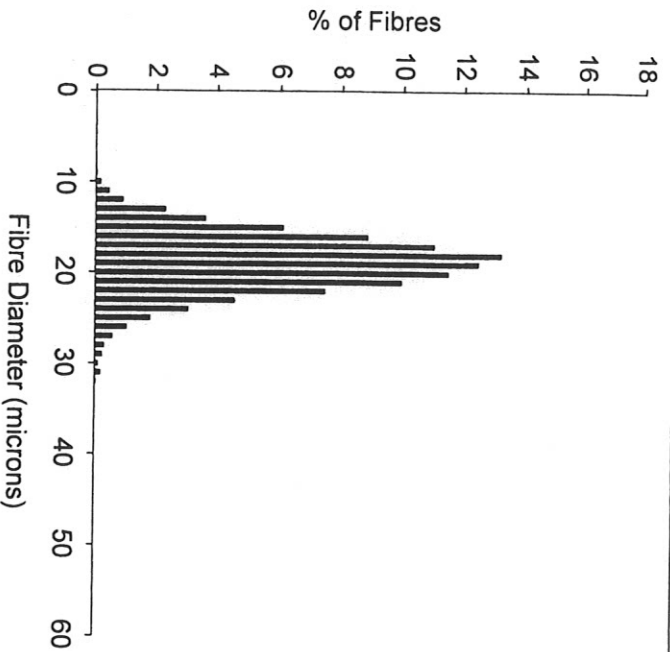
Job Details
 Read Ranch
 Reference: 0092 - 0088
 Tested: Jun 17, 2021



OFDA 2000 REPORT : SORTED BY TAG 2021 ewe Lambs 40 samples (40Records)



OFDA 2000 REPORT : SORTED BY TAG 2021 ewe Lambs 40 samples (40Records)



Impact of Changes in Weight, Fat Depth, and Loin Muscle Depth on Carcass Yield and Value and Implications for Selection and Pricing of Rams from Terminal-Sire Sheep Breeds

D. R. Nisbet^{1,6}, M. R. Monse², H. N. Zetby³, L. M. M. Sturber⁴, T. D. Leeds²,
S. J. Moeller³, G. S. Lewis², and J. B. Taylor^{2,5}

Table 3. EBV for average (50% percentile) and elite (preferred 10% percentile) Suffolk lambs and additive SD for 120-d postweaning weight (kg), ultrasonic fat depth (mm), and ultrasonic loin muscle depth (mm).^a

EBV	Mean EBV by percentile				Additive SD
	10th	50th	Difference		
120-day Post-weaning Weight	7.62	2.94	4.68		4.17
Ultrasonic fat depth ^b	-0.67	-0.34	0.33		0.57
Ultrasonic loin muscle depth ^b	2.48	1.05	1.43		1.30

^a Based on NSIP June 2014 Suffolk Percentiles.

^b The ultrasonic fat depth EBV is equal to one third the reported LAMBPLAN postweaning fat EBV. The ultrasound loin muscle depth EBV is the same as the reported LAMBPLAN postweaning eye muscle depth EBV.

Added Value per 100 lambs

PWWT (growth) \$587

Backfat \$15

Loin Depth \$97

Rambouillet Percentile Report

September 2021

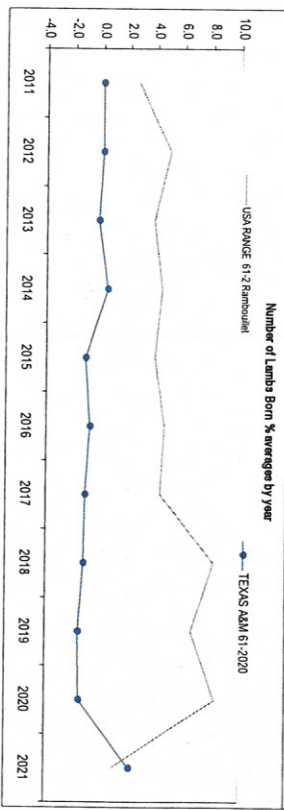
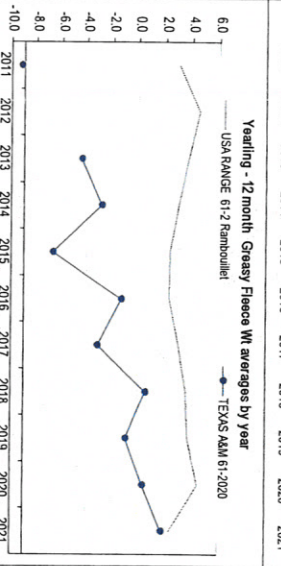
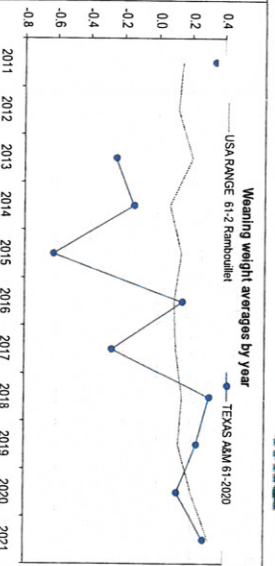
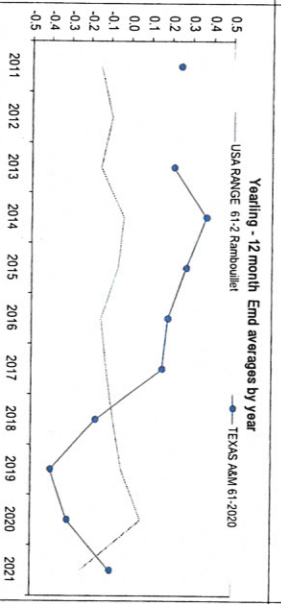
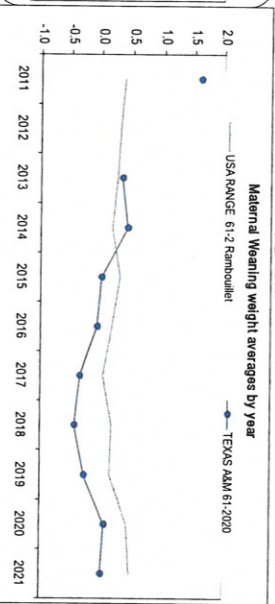
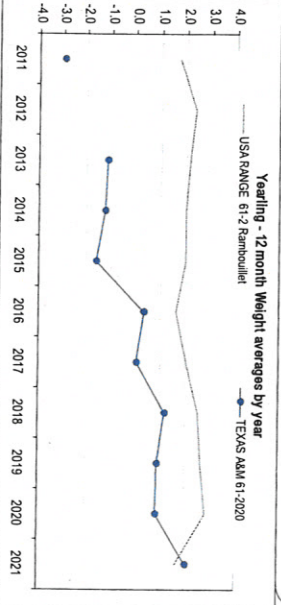
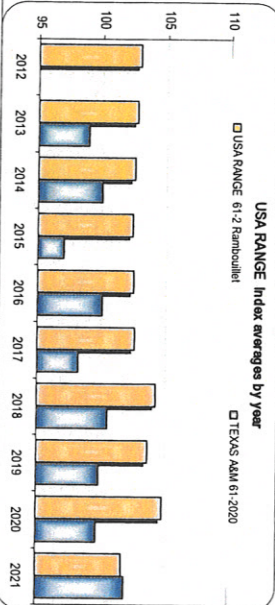
2020-2021 born lambs with genetic linkages

Percentile	BWT	MWWT	WWT	PWWT	YWT	YFAT	YEMD	YFD	YGFW	YSL	NLB	US Range Index
100	0.50	1.94	1.64	4.09	9.86	1.97	1.84	-2.47	29.64	18.26	0.21	110.08
99	0.35	1.43	1.41	3.23	7.05	1.54	1.42	-1.72	19.06	13.95	0.18	109.31
98	0.32	1.30	1.25	2.93	6.07	1.33	1.17	-1.51	15.92	10.59	0.16	108.66
97	0.30	1.20	1.14	2.66	5.63	1.25	1.00	-1.40	14.59	9.85	0.16	108.25
96	0.29	1.15	1.09	2.58	5.33	1.17	0.92	-1.27	12.85	8.87	0.15	107.95
95	0.26	1.11	1.05	2.50	5.08	1.06	0.83	-1.11	11.67	8.31	0.14	107.62
90	0.22	0.94	0.88	2.07	4.06	0.74	0.67	-0.74	8.87	6.35	0.08	105.85
85	0.19	0.77	0.78	1.87	3.34	0.53	0.48	-0.49	6.87	5.08	0.06	104.95
80	0.17	0.56	0.71	1.73	2.85	0.35	0.32	-0.34	5.23	3.75	0.05	104.30
75	0.14	0.32	0.63	1.54	2.34	0.22	0.17	-0.15	4.14	2.68	0.04	103.85
70	0.12	0.10	0.57	1.40	1.91	0.04	0.00	-0.03	3.27	1.59	0.03	103.36
60	0.09	0.00	0.44	1.05	1.16	0.00	0.00	0.00	1.36	0.00	0.01	102.74
50	0.05	0.00	0.31	0.74	0.15	0.00	0.00	0.00	0.00	0.00	0.00	101.93
40	0.01	0.00	0.14	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.24
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	100.42
20	0.00	0.00	-0.16	0.00	0.00	0.00	-0.33	0.52	-1.01	-1.74	-0.02	99.56
10	-0.07	0.00	-0.42	-0.72	-0.36	-0.02	-0.96	0.85	-4.14	-4.43	-0.04	98.42
0	-0.49	-1.05	-1.26	-3.17	-8.34	-1.11	-4.49	2.52	-21.05	-12.76	-0.13	93.87
Units	kg	kg	kg	kg	kg	mm					%	
Number of Lambs	1210	1210	1210	1210	1210	870	870	1184	1184	1184	1210	1210

Category	Count
Total Rambouillet Records	34221
2020-2021 Born Lambs	2090
2020-2021 Lambs with Linkages	1891

TEXAS A&M
ROBERT MOEN
6/1-2020

Analysis : USA RANGE 6/1-2 Rambouillet Dated : 15-Aug-2021



USA RANGE 6/1-2 Rambouillet											
Year	MWWT	WWT	YFAT	YEND	YGFWM%	YFD	NLB%	YSL	USA RANGE	Counts	
2012	0.3	0.1	2.36	-0.28	-0.09	4.5	0.3	5.0	103.0	1571	
2013	0.2	0.2	2.15	-0.15	-0.15	3.7	0.2	3.8	102.7	1734	
2014	0.1	0.1	1.97	-0.23	-0.03	3.0	0.0	4.4	102.6	2180	
2015	0.1	0.1	1.99	-0.22	-0.06	2.4	0.1	3.9	102.4	2456	
2016	0.1	0.1	1.63	-0.11	-0.14	2.3	0.1	4.6	102.5	2344	
2017	0.1	0.1	2.02	-0.17	-0.12	3.0	0.0	4.3	102.6	2565	
2018	0.1	0.1	2.50	-0.15	-0.08	3.6	0.1	8.2	104.3	1988	
2019	0.1	0.1	2.63	-0.25	-0.04	3.7	0.1	6.6	103.6	2811	
2020	0.2	0.2	2.81	-0.15	0.06	4.5	0.0	8.3	104.8	1950	
2021	0.3	0.3	1.85	-0.13	-0.24	2.4	0.2	0.8	101.7	458	
TEXAS A&M 6/1-2020											
Year	MWWT	WWT	YFAT	YEND	YGFWM%	YFD	NLB%	YSL	USA RANGE	Counts	
2012	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0	99.0	0	
2013	0.0	-0.2	-1.15	0.22	0.21	-4.4	-0.7	-0.3	100.0	74	
2014	0.4	-0.1	-1.25	0.23	0.37	-2.9	-0.6	-0.8	100.0	58	
2015	0.0	-0.6	-1.59	0.30	0.27	-6.7	-1.0	-1.2	97.1	36	
2016	-0.1	0.1	0.34	-0.05	0.18	-1.3	-0.5	-1.1	100.1	81	
2017	-0.3	-0.3	0.07	0.00	0.16	-3.2	-0.6	-0.7	98.3	87	
2018	-0.4	0.3	1.20	-0.24	-0.17	0.5	-0.5	-1.2	100.6	47	
2019	-0.3	0.2	0.92	-0.11	-0.40	-0.9	-0.6	-1.3	99.9	87	
2020	0.1	0.1	0.87	-0.02	-0.31	0.3	-0.2	-1.6	99.8	90	
2021	0.0	0.3	2.05	-0.24	-0.10	1.8	-0.1	2.1	101.9	81	

Linkage Summary		TEXAS A&M 6/1-2020	
Fleece	Yes	Yes	Yes
Weights	Yes	Yes	Yes
Carcass	Yes	Yes	Yes
FEC	Yes	Yes	Yes
Reproduction	Yes	Yes	Yes





Flock54 Test Results

BDI#	Sample ID	Animal ID	OPP Resistance	Scrapie	Polled/Horns
121036756	AF01480361	3939	5.5	QR	Positive
121036757	AF01480362	3441	4.5	QR	Positive
121036758	AF01480363	3936	8	QR	Positive
121036759	AF01480364	3546	5.5	QR	Positive
121036762	AF01480367	3459	4.5	QR	Positive
121036763	AF01480368	3595	5.5	QR	Positive
121036764	AF01480369	4847	5.5	QR	Positive
121036765	AF01480370	4848	8	QQ	Positive
121036766	AF01480461	244	8	RR	Positive
121036438	AF02131715	101	8	RR	Positive
121036439	AF02131716	110	5.5	QR	Positive
121036441	AF02131718	102	8	QR	Affected
121036442	AF02131719	4702	6	QR	Positive
121036443	AF02131720	103	4.5	QQ	Positive
121036444	AF02131721	4703	4.5	QQ	Positive
121036445	AF02131722	4704	6	QQ	Positive
121036446	AF02131723	4705	3.5	RR	Positive
121036447	AF02131724	4706	8	QQ	Positive
121036449	AF02131726	105	4.5	RR	Positive
121036450	AF02131727	106	8	RR	Positive
121036451	AF02131728	107	3.5	QQ	Positive
121036452	AF02131729	108	8	QQ	Positive
121036453	AF02131730	109	4.5	QR	Positive
121036454	AF02131731	4707	8	QQ	Positive
121036455	AF02131732	4708	8	QQ	Positive
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121036459	AF02131736	111	8	RR	Positive
121036460	AF02131737	4712	5.5	RR	Positive
121036461	AF02131738	112	5.5	QR	Positive
121036462	AF02131739	4713	4.5	QR	Positive

Conditions

Batten's disease
 Spider Lamb
 Callipyge
 Chondrodysplasia
 Dermatosparaxis
 Epidermolysis bullosa, junctionalis
 Fecundity, Booroola
 Fecundity, GDF9
 Gaucher disease
 Glycogen storage disease V
 GM1
 Hypotrichosis
 Lissencephaly and cerebellar hypoplasia
 Motor neuron disease
 Myotonia
 Neuronal ceroid lipofuscinosis
 Porphyrria cutanea tarda
 Rickets
 Vitamin-K-dependent blood coagulation factors deficiency