Sheep Performance Test, 1958

Substation No. 23
McGregor, Texas

Final Report Prepared by
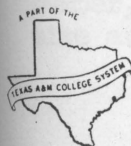### Maurice Shelton

DELAINE MERINO   RAMBOUILLET

SOME RAM LAMBS OF THE 1958 TEST

This report covers the results of the first performance test for rams at the McGregor Station. The test period was 112 days from April 21 to August 11, 1958. Fleece data is based on a 119-day period from April 14 to August 11. The animals were self-fed a ration of 65 percent hay (oats or sudan), 20 percent sorghum grain and 15 percent cottonseed meal. During the last half of the test, the grain sorghum was increased 5 percent; 10 percent ground alfalfa hay was added and the other hay reduced accordingly.

Gains were below expectation due in part to hot weather and conditions under which they were fed. Presumably this does not detract from the value of the information obtained in so far as comparison between individual animals is concerned. Since this is the important aspect, gain data is reported in total pounds and gain ratio. The latter figure represents the gain of an individual animal divided by the average for the breed with the decimal removed. Thus, a ram having a gain ratio of 130 gained 30 percent faster than the average for the breed to which he belongs.

The fleeces were scoured and spinning count determined at the Wool and Mohair Laboratory, Department of Animal Husbandry, Texas A. & M. College System, College Station, Texas. Wool production and staple length were adjusted to a 12-month basis. Clean wool production also was adjusted by means of a regression equation for differences in the size of animals at the start of the test. This adjustment was made for each breed separately, and were adjusted to the average starting weight for the breed. Wool production and staple length should be considered very satisfactory when the size of the lambs are considered. The initial weights were 64 pounds for Merinos and 98 pounds for Rambouillet.

Scores were assigned for face covering, skin folds and body conformation. There were five score units ranging from 0 to 4 inclusive. For face covering and skin folds these scores are illustrated on page 3. The 0 score for face covering is somewhat theoretical in so far as fine wool sheep are concerned since it represents a bare or bald faced animal of the Suffolk type. In the case of conformation scores, 4 represents the most desirable. However, no great significance should be attached to the score for conformation since it depends on condition and individual intrepretation.

Final selection in fine wool sheep should not be based on a single character, but a composite appraisal which will permit simultaneous selection for all these characters. For this reason, an attempt was made to combine the most important of these measures into a single score known as index value and index ratio to represent an estimate of his breeding value. This ratio is calculated for each breed separately. The formula used for these calculations was:

I = 60 x (daily gain) - 5.2 x (face covering) - 2.0 (skinfold score) plus 6.0 x (staple length) plus 4.0 x (clean wool).

This index formula was developed by the author after study of a large volume of experimental data.

The attached report includes a complete listing of individual rams by test number, by index ratio and gain ratio. There also is a complete listing of sire averages by index ratio.

SKIN FOLD SCORES
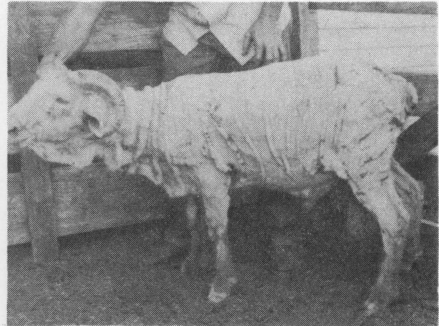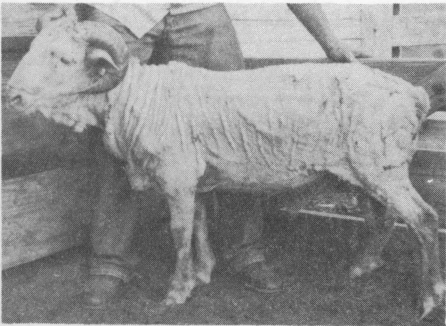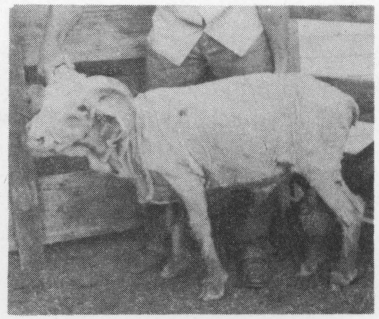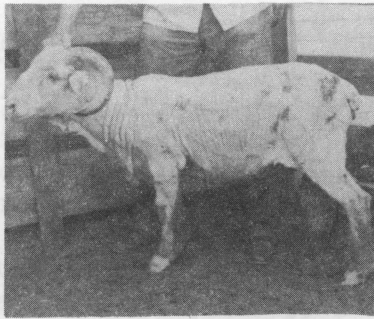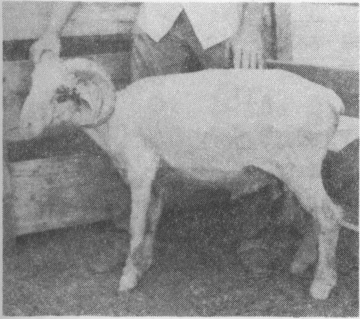
FACE COVERING SCORES

1

2

3

4

Owners of Rams on Test: Code, Name and Address

Code	Name and Address
AMC	A. & M. College, College Station, Texas.
BF	Substation 23, McGregor, Texas.
DA	Donald Aycock, Rt. 1, Moody, Texas.
DW	David Watters, Goldthwaite, Texas.
GAG	G. A. Glimp and Son, Burnet, Texas.
HC	Hamilton Choat and Son, Olney, Texas.
HGJ	H. C. and Geo. Johanson, Brady, Texas.
LWS	Leslie and Wilton Steubing, Rt. 10, Box 183, San Antonio, Tex.
WEC	W. E. Couch, Rt. 1, Waxahachie, Texas.

Sire Code (by breed of sire)

Code	Sire Name

Rambouillet

2833	ER 2833
3596	MP 3596
1863	PR 1863
5030	BF 5030
4617	LR 4617
5545	BF 5545
5597	BF 5597
5660	BF 5660
4918	LR 4918
4271	USDA 4271
6248	AMC 6248

Merino

222	ACL 222
1701	GAG 1701
121	CL 121
4	B 4
404	RRW 404
12	ITZ 12
13	HAG 13
1237	L & WS 1237
1646	L & WS 1646
410	WEG 410
4360	HC & GHJ 4360

443 (Dorset-Rambouillet Cross)

| 5570 | BF 5570 |
| 6637 | BF 6637 |

* Indicates the animal was polled, but may have had slight scurs.

RAMBOUILLET BY TEST NUMBER

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
DA	*1	406	2833	69	118	49	151	4.40	11.57	5.48	7.00	20.6	64	3.3	.2	3.5	66.2	116
DA	2	407	2833	69	107	38	117	4.84	12.25	6.13	7.65	18.8	80	3.2	.6	2.1	64.6	113
DA	3	408	2833	64	101	37	114	4.07	11.27	5.79	7.57	17.9	80	3.4	1.0	2.0	57.2	100
WEC	4	357	3596	122	146	24	74	4.21	12.13	6.37	5.11	18.0	80	2.7	2.8	2.7	40.5	71
WEC	5	396	3596	130	168	38	117	4.32	15.66	8.77	7.09	20.1	70	3.1	1.0	3.5	59.0	104
WEC	6	408	1863	117	135	18	56	3.85	14.82	7.72	6.72	18.8	80	3.7	1.0	3.3	39.5	69
BF	*7	7504	5030	119	151	32	99	4.62	20.97	10.33	9.23	22.7	62	3.3	2.3	3.0	62.1	109
BF	8	7508	4617	122	156	34	105	4.98	16.70	9.31	8.05	23.3	62	1.0	2.0	3.0	73.3	129
BF	9	7515	5545	96	134	38	117	4.48	17.62	8.97	9.07	21.5	64	2.7	2.5	2.8	66.9	117
BF	*10	7564	5597	92	130	38	117	3.67	14.70	6.74	7.05	21.4	64	2.9	1.9	2.8	54.1	95
BF	*11	7603	5597	102	134	32	99	4.48	18.24	9.89	9.68	22.1	62	3.8	1.7	2.9	61.6	108
BF	*12	7604	5597	103	134	31	96	4.78	18.05	9.48	9.22	18.9	80	2.7	1.7	3.5	66.7	117
BF	*13	7607	5597	96	124	28	86	4.42	14.27	6.83	6.93	21.1	64	1.2	.2	3.2	64.4	113
BF	14	7611	4617	129	160	31	96	4.66	16.60	8.91	7.28	21.4	64	3.2	1.8	3.6	55.4	97
BF	15	7619	5545	108	138	30	93	4.80	18.05	9.79	9.26	23.2	62	1.0	2.5	2.9	73.6	129
BF	16	7626	5660	112	153	41	127	3.77	11.36	5.83	5.09	21.6	64	2.5	1.7	3.3	51.2	90
BF	17	7627	5030	103	130	27	83	3.95	14.82	7.56	7.30	21.3	64	3.3	1.8	2.5	48.3	85
BF	18	7634	5545	102	120	18	56	4.14	11.82	6.22	6.01	19.3	70	2.2	1.8	2.8	44.6	78
BF	19	7674	5545	101	124	23	71	3.89	14.70	8.27	8.11	22.6	62	4.0	1.7	2.2	45.4	80
BF	*20	7683	5597	80	108	28	86	3.73	13.23	6.62	7.56	22.0	62	3.6	1.7	2.3	47.3	83
BF	*21	7708	5545	88	124	36	111	5.04	16.24	8.58	9.10	23.1	62	2.8	1.1	3.0	71.5	125
AMC	22	505	4918	79	108	29	90	4.48	12.34	6.02	7.02	20.5	70	4.0	.2	1.9	51.2	90
AMC	23	507	4918	92	142	50	154	4.40	15.69	8.00	8.31	22.7	62	3.9	1.1	2.9	67.2	118
AMC	25	538	4918	92	135	43	133	4.94	13.60	6.18	6.49	18.9	80	2.2	.8	2.9	68.4	120
AMC	*26	479	4271	101	130	29	90	4.21	16.76	7.92	7.76	19.9	70	3.2	.4	3.0	56.3	99
AMC	*27	503	4271	105	132	27	83	4.30	15.53	7.17	6.80	21.9	64	1.6	1.2	3.0	58.5	103
AMC	*28	539	4271	82	116	34	105	4.50	14.34	5.49	6.33	21.7	64	2.3	.2	2.2	60.4	106
AMC	*29	541	4271	94	126	32	99	3.87	14.95	7.02	7.23	20.1	70	2.9	.3	2.3	55.7	98
AMC	30	489	6248	87	118	31	96	4.26	12.49	6.09	6.67	20.4	70	3.7	.9	2.1	49.8	87
AMC	31	500	6248	97	124	27	83	3.77	12.34	5.55	5.60	20.1	70	3.9	2.0	2.5	36.9	65
AMC	32	501	6248	100	137	37	114	4.15	16.18	7.94	7.83	20.8	64	2.7	.7	3.4	63.0	111
AMC	33	508	6248	82	108	26	80	3.83	12.62	5.54	6.38	18.4	80	3.9	.4	2.9	43.0	75
AVERAGE	32 ANIMALS			98	130	32	100	4.31	14.75	7.39	7.39	20.8	68	2.9	1.3	2.8	57.0	100

MERINO BY TEST NUMBER

OWNER CODE	TEST NO.	OWNER TAG NO.	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	34	35	222	63	89	26	88	3.81	12.62	5.85	5.67	21.0	64	2.8	.9	1.8	45.6	91
BF	35	37	222	54	84	30	102	3.89	13.60	6.18	6.43	17.3	80	3.0	1.0	1.4	49.5	99
BF	*36	39	222	46	79	33	112	4.90	12.03	5.86	6.31	19.6	70	2.2	.6	3.0	61.8	123
BF	*37	41	222	60	93	33	112	4.70	11.84	6.08	6.18	17.7	80	1.0	1.7	2.8	64.1	128
BF	38	38	222	48	85	37	125	4.15	12.65	4.94	5.34	18.9	80	1.2	2.0	2.2	58.2	116
BF *	39	22	1701	61	85	24	81	3.95	11.45	4.95	5.02	22.7	62	3.2	1.2	2.5	39.1	78
BF	40	26	1701	60	81	21	71	4.68	10.71	5.04	5.14	20.9	64	1.9	.2	1.3	51.0	102
BF	41	23	1701	61	80	19	64	4.09	12.25	5.97	6.04	21.8	64	3.8	3.6	2.5	33.1	66
BF	42	29	121	62	99	37	125	3.91	11.17	5.59	5.64	18.5	80	3.2	1.2	2.0	49.2	98
BF	43	32	121	51	88	37	125	4.96	12.83	7.20	7.52	20.0	70	2.6	1.4	2.4	65.7	131
HC	44	406	4	79	114	35	119	3.81	16.06	5.45	5.07	18.9	80	1.1	1.0	3.2	56.4	113
HC	45	409	4	79	99	20	68	4.32	13.63	6.19	5.81	16.6	80	1.1	1.7	2.8	52.0	104
DW	46	600	404	68	97	29	98	4.76	14.74	6.76	6.66	19.9	70	1.3	3.1	2.9	59.6	119
DW	47	595	404	77	104	27	92	4.84	17.16	7.97	7.64	19.2	70	1.0	2.8	3.0	65.0	130
HGJ	*48	4559	4360	77	104	27	92	3.87	13.63	6.81	6.48	21.5	64	2.2	2.2	2.8	49.5	99
HGJ	49	4575	4360	77	106	29	98	3.79	11.76	5.57	5.24	19.7	70	1.7	1.7	3.0	48.9	98
LWS	50	1812	1237	51	77	26	88	3.41	11.57	5.48	5.80	19.6	70	4.0	1.8	2.5	34.9	70
LWS	51	1811	1646	68	94	26	88	3.69	14.34	6.55	6.45	19.2	70	4.0	1.8	2.1	39.1	78
LWS	52	1809	410	64	104	40	136	3.65	16.64	6.16	6.16	21.4	64	3.0	4.0	2.8	46.9	94
LWS	53	1808	410	60	97	37	125	3.50	13.35	5.09	5.19	19.4	70	3.2	3.0	2.3	41.3	82
GAG	54	2178	12	77	113	36	122	4.07	13.60	6.49	6.16	20.8	64	3.0	1.0	2.8	53.1	106
GAG	55	40	13	62	83	21	71	4.01	13.45	6.26	6.31	21.4	64	3.3	3.3	2.0	38.1	76
AVERAGE 22ANIMALS				64	93	30	100	4.13	13.23	6.02	6.02	19.8	70	2.4	1.9	2.5	50.1	100

443 BY TEST NUMBER

OWNER CODE	TEST NO.	OWNER TAG NO.	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	56	7502	5570	92	116	24	85	3.81	8.96	4.94	5.37	25.3	58	1.7	.2	2.6	49.5	89
BF	57	7553	6637	106	139	33	117	4.26	10.87	5.59	5.27	25.8	58	1.2	.2	3.5	59.8	107
BF	58	7589	6637	102	130	28	99	4.03	10.96	5.78	5.67	24.4	60	1.0	.2	3.7	58.1	104
AVERAGE 3ANIMALS				100	128	28	100	4.03	10.26	5.44	5.44	25.2	59	1.3	.2	3.3	55.8	100

| AVERAGE 57ANIMALS | | | | 85 | 116 | 31 | 100 | 4.22 | 13.93 | 6.76 | 6.76 | 20.6 | 69 | 2.7 | 1.5 | 2.7 | 54.3 | 100 |

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INITIAL WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	8	7508	4617	122	156	34	105	4.98	16.70	9.31	8.05	23.3	62	1.0	2.0	3.0	73.3	129
BF	15	7619	5545	108	138	30	93	4.80	18.05	9.79	9.26	23.2	62	1.0	2.5	2.9	73.6	129
BF	*21	7708	5545	88	124	36	111	5.04	16.24	8.58	9.10	23.1	62	2.8	1.1	3.0	71.5	125
AMC	.25	538	4918	92	135	43	133	4.94	13.60	6.18	6.49	18.9	80	2.2	.8	2.9	68.4	120
AMC	23	507	4918	92	142	50	154	4.40	15.69	8.00	8.31	22.7	62	3.9	1.1	2.9	67.2	118
BF	9	7515	5545	96	134	38	117	4.48	17.62	8.97	9.07	21.5	64	2.7	2.5	2.8	66.9	117
BF	*12	7604	5597	103	134	31	96	4.78	18.05	9.48	9.22	18.9	80	2.7	1.7	3.5	66.7	117
DA	* 1	406	2833	69	118	49	151	4.40	11.57	5.48	7.00	20.6	64	3.3	.2	3.5	66.2	116
DA	2	407	2833	69	107	38	117	4.84	12.25	6.13	7.65	18.8	80	3.2	.6	2.1	64.6	113
BF	*13	7607	5597	96	124	28	86	4.42	14.27	6.83	6.93	21.1	64	1.2	.2	3.2	64.4	113
AMC	32	501	6248	100	137	37	114	4.15	16.18	7.94	7.83	20.8	64	2.7	.7	3.4	63.0	111
BF	* 7	7504	5030	119	151	32	99	4.62	20.97	10.33	9.23	22.7	62	3.3	2.3	3.0	62.1	109
BF	*11	7603	5597	102	134	32	99	4.48	13.24	9.89	9.68	22.1	62	3.8	1.7	2.9	61.6	108
AMC	*28	539	4271	82	116	34	1 5	4.50	14.34	5.49	6.33	21.7	64	2.3	.2	2.2	60.4	106
WEC	5	396	3596	130	168	38	117	4.32	15.66	8.77	7.09	20.1	70	3.1	1.0	3.5	59.0	104
AMC	*27	503	4271	105	132	27	83	4.30	15.53	7.17	6.80	21.9	64	1.6	1.2	3.0	58.5	103
DA	3	408	2833	64	101	37	114	4.07	11.27	5.79	7.57	17.9	80	3.4	1.0	2.0	57.2	100
AMC	*26	479	4271	101	130	29	90	4.21	16.76	7.92	7.76	19.9	70	3.2	.4	3.0	56.3	99
AMC	*29	541	4271	94	126	32	99	3.87	14.95	7.02	7.23	20.1	70	2.9	.3	2.3	55.7	98
BF	14	7611	4617	129	160	31	96	4.66	16.60	8.91	7.28	21.4	64	3.2	1.8	3.6	55.4	97
BF	*10	7564	5597	92	130	38	117	3.67	14.70	6.74	7.05	21.4	64	2.9	1.9	2.8	54.1	95
AMC	22	505	4918	79	108	29	90	4.48	12.34	6.02	7.02	20.5	70	4.0	.2	1.9	51.2	90
BF	16	7626	5660	112	153	41	127	3.77	11.36	5.83	5.09	21.6	64	2.5	1.7	3.3	51.2	90
AMC	30	489	6248	87	118	31	96	4.26	12.49	6.09	6.67	20.4	70	3.7	.9	2.1	49.8	87
BF	17	7627	5030	103	130	27	83	3.95	14.82	7.56	7.30	21.3	64	3.3	1.8	2.5	48.3	85
BF	*20	7683	5597	80	108	28	86	3.73	13.23	6.62	7.56	22.0	62	3.6	1.7	2.3	47.3	83
BF	19	7674	5545	101	124	23	71	3.89	14.70	8.27	8.11	22.6	62	4.0	1.7	2.2	45.4	80
BF	18	7634	5545	102	120	18	56	4.14	11.82	6.22	6.01	19.3	70	2.2	1.8	2.8	44.6	78
AMC	33	508	6248	82	108	26	80	3.83	12.62	5.54	6.38	18.4	80	3.9	.4	2.9	43.0	75
WEC	4	357	3596	122	146	24	74	4.21	12.13	6.37	5.11	18.0	80	2.7	2.8	2.7	40.5	71
WEC	6	408	1863	117	135	18	56	3.85	14.82	7.72	6.72	18.8	80	3.7	1.0	3.3	39.5	69
AMC	31	500	6248	97	124	27	83	3.77	12.34	5.55	5.60	20.1	70	3.9	2.0	2.5	36.9	65
AVERAGE 32 ANIMALS				98	130	32	100	4.31	14.75	7.39	7.39	20.8	68	2.9	1.3	2.8	57.0	100

MERINO BY INDEX RATIO

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	43	32	121	51	88	37	125	4.96	12.83	7.20	7.52	20.0	70	2.6	1.4	2.4	65.7	131
DW	47	595	404	77	104	27	92	4.84	17.16	7.97	7.64	19.2	70	1.0	2.8	3.0	65.0	130
BF*	37	41	222	60	93	33	112	4.70	11.84	6.08	6.18	17.7	80	1.0	1.7	2.8	64.1	128
BF*	36	39	222	46	79	33	112	4.90	12.03	5.86	6.31	19.6	70	2.2	.6	3.0	61.8	123
DW	46	600	404	68	97	29	98	4.76	14.74	6.76	6.66	19.9	70	1.3	3.1	2.9	59.6	119
BF	38	38	222	48	85	37	125	4.15	12.65	4.94	5.34	18.9	80	1.2	2.0	2.2	58.2	116
HC	44	406	4	79	114	35	119	3.81	16.06	5.45	5.07	18.9	80	1.1	1.0	3.2	56.4	113
GAG	54	2178	12	77	113	36	122	4.07	13.60	6.49	6.16	20.8	64	3.0	1.0	2.8	53.1	106
HC	45	409	4	79	99	20	68	4.32	13.63	6.19	5.81	16.6	80	1.1	1.7	2.8	52.0	104
BF	40	26	1701	60	81	21	71	4.68	10.71	5.04	5.14	20.9	64	1.9	.2	1.3	51.0	102
BF	35	37	222	54	84	30	102	3.89	13.60	6.18	6.43	17.3	80	3.0	1.0	1.4	49.5	99
HGJ*	48	4559	4360	77	104	27	92	3.87	13.63	6.81	6.48	21.5	64	2.2	2.2	2.8	49.5	99
BF	42	29	121	62	99	37	125	3.91	11.17	5.59	5.64	18.5	80	3.2	1.2	2.0	49.2	98
HGJ	49	4575	4360	77	106	29	98	3.79	11.76	5.57	5.24	19.7	70	1.7	1.7	3.0	48.9	98
LWS	52	1809	410	64	104	40	136	3.65	16.64	6.16	6.16	21.4	64	3.0	4.0	2.8	46.9	94
BF	34	35	222	63	89	26	88	3.81	12.62	5.85	5.87	21.0	64	2.8	.9	1.8	45.6	91
LWS	53	1808	410	60	97	37	125	3.50	13.35	5.09	5.19	19.4	70	3.2	3.0	2.3	41.3	82
LWS	51	1811	1646	68	94	26	83	3.69	14.34	6.55	6.45	19.2	70	4.0	1.8	2.1	39.1	78
BF*	39	22	1701	61	85	24	81	3.95	11.45	4.95	5.02	22.7	62	3.2	1.2	2.5	39.1	78
GAG	55	40	13	62	83	21	71	4.01	13.45	6.26	6.31	21.4	64	3.3	3.3	2.0	38.1	76
LWS	50	1812	1237	51	77	26	88	3.41	11.57	5.48	5.80	19.6	70	4.0	1.8	2.5	34.9	70
BF	41	28	1701	61	80	19	64	4.09	12.25	5.97	6.04	21.8	64	3.8	3.6	2.5	33.1	66
AVERAGE 22ANIMALS				64	93	30	100	4.13	13.23	6.02	6.02	19.8	70	2.4	1.9	2.5	50.1	100

443 BY INDEX RATIO

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	57	7553	6637	106	139	33	117	4.26	10.87	5.59	5.27	25.8	58	1.2	.2	3.5	59.8	107
BF	58	7589	6637	102	130	28	99	4.03	10.96	5.78	5.67	24.4	60	1.0	.2	3.7	58.1	104
BF	56	7502	5570	92	116	24	85	3.81	8.96	4.94	5.37	25.3	58	1.7	.2	2.6	49.5	89
AVERAGE 3ANIMALS				100	123	28	100	4.03	10.26	5.44	5.44	25.2	59	1.3	.2	3.3	55.8	100

| AVERAGE 57ANIMALS | | | | 85 | 116 | 31 | 100 | 4.22 | 13.93 | 6.76 | 6.76 | 20.6 | 69 | 2.7 | 1.5 | 2.7 | 54.3 | 100 |

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
AMC	23	507	4918	92	142	50	154	4.40	15.69	8.00	8.31	22.7	62	3.9	1.1	2.9	67.2	118
DA *	1	406	2833	69	118	49	151	4.40	11.57	5.48	7.00	20.6	64	3.3	.2	3.5	66.2	116
AMC	25	538	4918	92	135	43	133	4.94	13.60	6.18	6.49	18.9	80	2.2	.8	2.9	68.4	120
BF	16	7626	5660	112	153	41	127	3.77	11.36	5.83	5.09	21.6	64	2.5	1.7	3.3	51.2	90
DA	2	407	2833	69	107	38	117	4.84	12.25	6.13	7.65	18.8	80	3.2	.6	2.1	64.6	113
WEC	5	396	3596	130	168	38	117	4.32	15.66	8.77	7.09	20.1	70	3.1	1.0	3.5	59.0	104
BF	9	7515	5545	96	134	38	117	4.48	17.62	8.97	9.07	21.5	64	2.7	2.5	2.8	66.9	117
BF *	10	7564	5597	92	130	38	117	3.67	14.70	6.74	7.05	21.4	64	2.9	1.9	2.8	54.1	95
DA	3	408	2833	64	101	37	114	4.07	11.27	5.79	7.57	17.9	80	3.4	1.0	2.0	57.2	100
AMC	32	501	6248	100	137	37	114	4.15	16.18	7.94	7.83	20.8	64	2.7	.7	3.4	63.0	111
BF *	21	7708	5545	88	124	36	111	5.04	16.24	6.58	9.10	23.1	62	2.8	1.1	3.0	71.5	125
BF	8	7508	4617	122	156	34	105	4.98	16.70	9.31	8.05	23.3	62	1.0	2.0	3.0	73.3	129
AMC *	28	539	4271	82	116	34	105	4.50	14.34	5.49	6.33	21.7	64	2.3	.2	2.2	60.4	106
BF *	7	7504	5030	119	151	32	99	4.62	20.97	10.33	9.23	22.7	62	3.3	2.3	3.0	62.1	109
BF *	11	7603	5597	102	134	32	99	4.48	18.24	9.89	9.68	22.1	62	3.8	1.7	2.9	61.6	108
AMC *	29	541	4271	94	126	32	99	3.87	14.95	7.02	7.23	20.1	70	2.9	.3	2.3	55.7	98
BF *	12	7604	5597	103	134	31	96	4.78	18.05	9.48	9.22	18.9	80	2.7	1.7	3.5	66.7	117
BF	14	7611	4617	129	160	31	96	4.66	16.60	8.91	7.28	21.4	64	3.2	1.8	3.6	55.4	97
AMC	30	489	6248	87	118	31	96	4.26	12.49	6.09	6.67	20.4	70	3.7	.9	2.1	49.8	87
BF	15	7619	5545	108	138	30	93	4.80	18.05	9.79	9.26	23.2	62	1.0	2.5	2.9	73.6	129
AMC	22	505	4918	79	108	29	90	4.48	12.34	6.02	7.02	20.5	70	4.0	.2	1.9	51.2	90
AMC *	26	479	4271	101	130	29	90	4.21	16.76	7.92	7.76	19.9	70	3.2	.4	3.0	56.3	99
BF *	13	7607	5597	96	124	28	86	4.42	14.27	6.83	6.93	21.1	64	1.2	.2	3.2	64.4	113
BF *	20	7683	5597	80	108	28	86	3.73	13.23	6.62	7.56	22.0	62	3.6	1.7	2.3	47.3	83
BF	17	7627	5030	103	130	27	83	3.95	14.82	7.56	7.30	21.3	64	3.3	1.8	2.5	48.3	85
AMC *	27	503	4271	105	132	27	83	4.30	15.53	7.17	6.80	21.9	64	1.6	1.2	3.0	58.5	103
AMC	31	500	6248	97	124	27	83	3.77	12.34	5.55	5.60	20.1	70	3.9	2.0	2.5	36.9	65
AMC	33	508	6248	82	108	26	80	3.83	12.62	5.54	6.38	18.4	80	3.9	.4	2.9	43.0	75
WEC	4	357	3596	122	146	24	74	4.21	12.13	6.37	5.11	18.0	80	2.7	2.8	2.7	40.5	71
BF	19	7674	5545	101	124	23	71	3.89	14.70	8.27	8.11	22.6	62	4.0	1.7	2.2	45.4	80
WEC	6	408	1863	117	135	18	56	3.85	14.82	7.72	6.72	18.8	80	3.7	1.0	3.3	39.5	69
BF	18	7634	5545	102	120	18	56	4.14	11.82	6.22	6.01	19.3	70	2.2	1.8	2.8	44.6	78
AVERAGE 32 ANIMALS				98	130	32	100	4.31	14.75	7.39	7.39	20.8	68	2.9	1.3	2.8	57.0	100

MERINO BY GAIN RATIO

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
LWS	52	1809	410	64	104	40	136	3.65	16.64	6.16	6.16	21.4	64	3.0	4.0	2.8	46.9	94
BF	38	38	222	48	85	37	125	4.15	12.65	4.94	5.34	18.9	80	1.2	2.0	2.2	58.2	116
BF	42	29	121	62	99	37	125	3.91	11.17	5.59	5.64	18.5	80	3.2	1.2	2.0	49.2	98
BF	43	32	121	51	88	37	125	4.96	12.83	7.20	7.52	20.0	70	2.6	1.4	2.4	65.7	131
LWS	53	1808	410	60	97	37	125	3.50	13.35	5.09	5.19	19.4	70	3.2	3.0	2.3	41.3	82
GAG	54	2178	12	77	113	36	122	4.07	13.60	6.49	6.16	20.8	64	3.0	1.0	2.8	53.1	106
HC	44	406	4	79	114	35	119	3.81	16.06	5.45	5.07	18.9	80	1.1	1.0	3.2	56.4	113
BF	*36	39	222	46	79	33	112	4.90	12.03	5.86	6.31	19.6	70	2.2	.6	3.0	61.8	123
BF	*37	41	222	6.	93	33	112	4.70	11.84	6.08	6.18	17.7	80	1.0	1.7	2.8	64.1	128
BF	35	37	222	54	84	30	102	3.89	13.60	6.18	6.43	17.3	80	3.0	1.0	1.4	49.5	99
DW	46	600	404	68	97	29	98	4.76	14.74	6.76	6.66	19.9	70	1.3	3.1	2.9	59.6	119
HGJ	49	4575	4360	77	106	29	98	3.79	11.76	5.57	5.24	19.7	70	1.7	1.7	3.0	48.9	98
DW	47	595	404	77	104	27	92	4.84	17.16	7.97	7.64	19.2	70	1.0	2.8	3.0	65.0	130
HGJ	*48	4559	4360	77	104	27	92	3.87	13.63	6.81	6.46	21.5	64	2.2	2.2	2.8	49.5	99
BF	34	35	222	63	89	26	88	3.81	12.62	5.85	5.87	21.0	64	2.8	.9	1.8	45.6	91
LWS	50	1812	1237	51	77	26	88	3.41	11.57	5.48	5.80	19.6	70	4.0	1.8	2.5	34.9	70
LWS	51	1811	1646	68	94	26	88	3.69	14.34	6.55	6.45	19.2	70	4.0	1.8	2.1	39.1	78
BF	*39	22	1701	61	85	24	81	3.95	11.45	4.95	5.02	22.7	62	3.2	1.2	2.5	39.1	78
BF	40	26	1701	60	81	21	71	4.68	10.71	5.04	5.14	20.9	64	1.9	.2	1.3	51.0	102
GAG	55	40	13	62	83	21	71	4.01	13.45	6.26	6.31	21.4	64	3.3	3.3	2.0	38.1	76
HC	45	409	4	79	99	20	68	4.32	13.63	6.19	5.81	16.6	80	1.1	1.7	2.8	52.0	104
BF	41	28	1701	61	80	19	64	4.09	12.25	5.97	6.04	21.8	64	3.8	3.6	2.5	33.1	66
AVERAGE	22 ANIMALS			64	93	30	100	4.13	13.23	6.02	6.02	19.8	70	2.4	1.9	2.5	50.1	100

443 BY GAIN RATIO

OWNER CODE	TEST NO.	OWNER TAG #	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WT.	CLEAN WT.	ADJ. CLEAN WT.	DIA. MICRONS	SPIN COUNT	FACE COVER	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	57	7553	6637	106	139	33	117	4.26	10.87	5.59	5.27	25.8	58	1.2	.2	3.5	59.8	107
BF	58	7589	6637	102	130	28	99	4.03	10.96	5.78	5.67	24.4	60	1.0	.2	3.7	58.1	104
BF	56	7502	5570	92	116	24	85	3.81	8.96	4.94	5.37	25.3	58	1.7	.2	2.6	49.5	89
AVERAGE	3 ANIMALS			100	128	28	100	4.03	10.26	5.44	5.44	25.2	59	1.3	.2	3.3	55.8	100

| AVERAGE | 57 ANIMALS | | | 85 | 116 | 31 | 100 | 4.22 | 13.93 | 6.76 | 6.76 | 20.6 | 69 | 2.7 | 1.5 | 2.7 | 54.3 | 100 |

OWNER CODE	NO. OF ANIMALS	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WOOL	CLEAN WOOL	ADJ. CLEAN WOOL	DIA. MICRON	SPIN COUNT	FACE COVERI	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	2	4617	126	158	33	101	4.82	16.65	9.11	7.67	22.4	63	2.1	1.9	3.3	64.4	113
DA	3	2833	67	109	41	127	4.44	11.70	5.80	7.41	19.1	75	3.3	.6	2.5	62.7	110
AMC	3	4918	88	128	41	126	4.61	13.88	6.73	7.27	20.7	71	3.4	.7	2.6	62.3	109
BF	5	5545	99	128	29	90	4.47	15.69	8.37	8.31	21.9	64	2.5	1.9	2.7	60.4	106
BF	5	5597	95	126	31	97	4.22	15.70	7.91	8.09	21.1	66	2.8	1.4	2.9	58.8	103
AMC	4	4271	96	126	31	94	4.22	15.40	6.90	7.03	20.9	67	2.5	.5	2.6	57.7	102
BF	2	5030	111	141	30	91	4.29	17.90	8.95	8.27	22.0	63	3.3	2.1	2.8	55.2	97
BF	1	5660	112	153	41	127	3.77	11.36	5.83	5.09	21.6	64	2.5	1.7	3.3	51.2	90
WEC	2	3596	126	157	31	96	4.27	13.90	7.57	6.10	19.1	75	2.9	1.9	3.1	49.8	88
AMC	4	6248	92	122	30	93	4.00	13.41	6.28	6.62	19.9	71	3.6	1.0	2.7	48.2	85
WEC	1	1863	117	135	18	56	3.85	14.82	7.72	6.72	18.8	80	3.7	1.0	3.3	39.5	69
AVERAGE 32 ANIMALS			98	130	32	100	4.31	14.75	7.39	7.39	20.8	68	2.9	1.3	2.8	57.0	100

MERINO SIRES BY INDEX RATIO

OWNER CODE	NO. OF ANIMALS	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WOOL	CLEAN WOOL	ADJ. CLEAN WOOL	DIA. MICRON	SPIN COUNT	FACE COVERI	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
DW	2	404	73	101	28	95	4.80	15.95	7.37	7.15	19.6	70	1.2	3.0	3.0	62.3	125
BF	2	121	57	94	37	125	4.44	12.00	6.40	6.58	19.3	75	2.9	1.3	2.2	57.5	115
BF	5	222	54	86	32	108	4.29	12.55	5.78	6.03	18.9	75	2.0	1.2	2.2	55.8	111
HC	2	4	79	107	28	94	4.07	14.35	5.82	5.44	17.8	80	1.1	1.4	3.0	54.2	109
GAG	1	12	77	113	36	122	4.07	13.10	6.49	6.16	20.8	64	3.0	1.0	2.8	53.1	106
HGJ	2	4360	77	105	28	95	3.83	12.70	6.19	5.86	20.6	67	2.0	2.0	2.9	49.2	99
LWS	2	410	62	101	39	131	3.58	15.00	5.63	5.68	20.4	67	3.1	3.5	2.6	44.1	88
BF	3	1701	61	82	21	72	4.24	11.47	5.32	5.40	21.8	63	3.0	1.7	2.1	41.1	82
LWS	1	1646	68	94	26	88	3.69	14.34	6.55	6.45	19.2	70	4.0	1.8	2.1	39.1	78
GAG	1	13	62	83	21	71	4.01	13.45	6.26	6.31	21.4	64	3.3	3.3	2.0	38.1	76
LWS	1	1237	51	77	26	88	3.41	11.57	5.48	5.80	19.6	70	4.0	1.8	2.5	34.9	70
AVERAGE 22 ANIMALS			64	93	30	100	4.13	13.23	6.02	6.02	19.8	70	2.4	1.9	2.5	50.1	100

443 BY INDEX RATIO

OWNER CODE	NO. OF ANIMALS	SIRE NO.	INT. WT.	FINAL WT.	TOTAL GAIN	GAIN RATIO	STAPLE LENGTH	GREASE WOOL	CLEAN WOOL	ADJ. CLEAN WOOL	DIA. MICRON	SPIN COUNT	FACE COVERI	SKIN FOLD SCORE	BODY CONF.	INDEX VALUE	INDEX RATIO
BF	2	6637	104	135	31	108	4.15	10.92	5.69	5.47	25.1	59	1.1	.2	3.6	59.0	106
BF	1	5570	92	116	24	85	3.81	8.96	4.94	5.37	25.3	58	1.7	.2	2.6	49.5	89
AVERAGE 3 ANIMALS			100	128	28	100	4.03	10.26	5.44	5.44	25.2	59	1.3	.2	3.3	55.8	100

| AVERAGE 57 ANIMALS | | | 85 | 116 | 31 | 100 | 4.22 | 13.93 | 6.76 | 6.76 | 20.6 | 69 | 2.7 | 1.5 | 2.7 | 54.3 | 100 |