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South Dakota Performance Ram Testing Program Final Reports: 1995-96 and 1996-97

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South Dakota Performance Ram Testing Program

Final Reports: 1995-96 and 1996-97



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SHEEP 97-6

Introduction

The South Dakota Performance Ram Testing program was established primarily to identify differences in wool traits for rams managed under the same environmental conditions and plane of nutrition and, secondly, to measure postweaning growth rate as indicated by weight gain. An added feature is evaluation of animal carcass merit using real-time ultrasound technology.

Test Procedures

Fleece weight and staple length were calculated on a 365-day basis. Side and britch wool samples were sent to the Yocum-McColl Testing Laboratory to determine fiber diameter and variability, and clean wool yield. Average daily gain was calculated based on the total weight gain (including fleece) during a period of 140 days.

Fiber Diameter: Determined for each sample using laserscan technology method. The diameter is estimated by measuring four hundred clean fibers to determine an average (mean). In addition, the variation within a sample is determined. The standard deviation (std. dev.) and coefficient of variation (C.V.) are given to provide numerical indications of the variation. A fleece sample with a small C.V. should be considered more uniform than one with a large C.V. (C.V.= std. dev./mean fiber dia.).

Staple Length: Determined by measuring with a ruler at the shoulder, side, and britch. Values were adjusted (less 1/8") for the stubble remaining after the initial shearing and an average calculated from these three sites.

Clean Wool: Determined from the laboratory scoured clean yield estimates on side samples. Analytical procedures meet ASTM standards.

Face Cover and Body Skin Fold Scores: Determined by averaging subjective scores from a three person committee selected by the ram test committee. Scores were assigned from 1 to 4 for each trait. The lower the value the more open faced or freedom from skin folds.

Average Daily Gain: Calculated by dividing the total gain by the number of days in the test period (140 days).

Index: Utilized the following formula established by the Texas and Wyoming Ram tests and the approved index for the American Rambouillet Sheep Association's register of merit program (ROM) [Revised July 8, 1993].

Index = 60 (average daily gain in pounds)
+ 4.0 (365-day adjusted staple length in inches up to 5.5 inches) + 4.0 (365-day adjusted clean wool in pounds) ± fiber diameter and variability points according to the following schedule:

Fiber diameter (micron) of side

3 (22 - actual microns) = + points up to 9
3 (actual microns - 22) = - points up to -6

Variability-Britch compared to side

2.5 deduction for each micron the britch is coarser than the side. No points given if britch is finer than side.

Index Ratios: To compare one ram with another an index ratio was calculated by the following formula. The average index ratio for all rams is 100; an individual with an index ratio of 130 would be 30% higher than the average and so on.

$$\text{Ram Index Ratio} = \frac{\text{Actual Ram Index}}{\text{Avg Ram Index Value}} \times 100$$

Certified Ram Classification: The top 30% of the registered Rambouillet rams as indicated by index are eligible for the Certified Ram Classification. In addition to the above requirement, a ram must meet acceptable standards from the standpoint of body type, amount of body skin folds, freedom from anatomical weaknesses and wool defects, including extremely hairy britch or excessive amount of belly type wool. All certified rams must have a minimum of 4.0 inches staple length, 9 lb clean wool, a wool grade of 60's or finer on the side and 56's or finer on the britch, a maximum of 2.7 face cover score, and must have gained at least .55 lb per day on test.

Carcass Merit: At the beginning and end of the test, fat cover and rib eye area were measured at the 12-13th rib by real-time ultrasound. This information is not included in the index. However, these measures may help producers identify rams with superior carcass merit. Rib eye area is a good indicator of overall muscling, rams with larger rib eyes would be expected to be more muscular compared to those with smaller rib eyes. More muscular individuals would be expected to exhibit high growth rate relative to those with less muscularity. Fat cover is an indicator of maturity pattern, i.e., frame-size. Those rams carrying less fat (finish) would likely be later maturing, or perhaps younger, than those with greater amounts of fat cover. For fat cover, the only valid comparison for this set of rams is the final measurement (Tables 1 and 6).

Discussion

The index system used to rank the rams within a breed takes into account growth rate, wool, and anatomical traits. In most cases the higher indexing rams are those which produced the most pounds of clean wool (CFW). The data would indicate that the pounds of clean wool was a function of grease fleece weight, yield, and staple length. Growth rate and anatomical measures have less impact on the

index value in most instances since there was less variation between rams for these parameters. The index system fits the objectives of our testing program quite well since it ranks rams on the most economically important traits (Tables 2 and 7). Rams were also sorted by clean fleece weight (Tables 3 and 8) and average daily gain (Tables 4 and 9).

The average values for the wool traits measured were similar across both tests. A comparison between side and britch fiber diameter shows that for most rams these measures differ by less than 2 microns, indicating good fleece uniformity. Perhaps as important, fiber uniformity within a location was excellent as indicated by a relatively small coefficient of variation (COV) [Tables 5 and 10]. However, for the traits measured, there are considerable differences among rams.

Wool Grading Systems

American grade	Spinning count grade	Micron diameter
Fine	Finer than 80s	Under 17.70
Fine	80s	17.71 - 19.14
Fine	70s	19.15 - 20.59
Fine	64s	20.60 - 22.04
1/2	62s	22.05 - 23.49
1/2	60s	23.50 - 24.94
3/8	58s	24.95 - 26.39
3/8	56s	26.40 - 27.84
1/4	54s	27.85 - 29.29
1/4	50s	29.30 - 30.99
Low 1/4	48s	31.00 - 32.69
Low 1/4	46s	32.70 - 34.39

The ram testing committee would like to thank the following sponsors for their contributions to the program:

- Zip Feed Mills, Huron, SD
- Mid-States Wool, Belle Fourche, SD
- Center of the Nation Wool, Belle Fourche, SD
- Western Feeds, Belle Fourche, SD

TABLE 1. 1995-96 CARCASS MERIT RESULTS - SORTED BY INDEX RANKING

Ram ID	Producer	Beginning (10-3-95)		End (3-1-96)	
		FAT (in)	REA (sq in)	FAT (in)	REA (sq in)
Rambouillet					
27	Circle Cross	.16	2.1	.25	2.9
9	Wooly Acres	.16	1.7	.42	3.6
8	Wooly Acres	.16	2.0	.40	3.0
33	Julie Kluck	.20	1.9	.30	3.2
38	Darold Benz	.20	2.5	.50	4.2
28	Paul & Teri Erk	.20	2.1	.30	3.4
30	Paul & Teri Erk	.20	1.6	.48	3.0
5	Anderson Family	.20	2.5	.36	3.6
18	Dwight Kitzen	.26	2.6	.42	4.4
39	Robert Mertz	.20	2.1	.50	3.3
29	Paul & Teri Erk	.16	2.3	.40	4.2
32	Newell FFA	.16	1.8	.31	2.9
41	Ande & Toni Girard	.20	2.0	.35	3.8
7	Wooly Acres	.20	1.9	.40	3.0
25	Circle Cross	.24	2.5	.50	4.1
23	Bobb Bros.	.20	2.1	.31	3.8
12	Murl Patrick	.24	2.1	.45	4.7
11	Murl Patrick	.20	1.9	.30	3.0
19	Lenard Chapman	.16	1.9	.50	4.1
20	Lenard Chapman	.12	1.4	.40	3.6
3	Cook Sisters	.20	2.1	.30	4.0
1	Cook Sisters	.20	2.1	.38	3.4
24	Bobb Bros.	.20	2.2	.35	3.9
40	TW & Faye Schalesky	.12	1.9	.40	2.7
10	Eric Hanson	.20	2.0	.38	3.5
15	Joe and Violet Erk	.12	1.6	.34	3.8
31	John H. Erk	.20	2.1	.31	4.2
37	Gary Haiwick	.20	2.0	.50	3.4
26	Circle Cross	.20	2.1	.40	3.4
14	Joe and Violet Erk	.20	1.8	.30	3.2
21	Lenard Chapman	.12	2.0	.35	3.9
2	Cook Sisters	.20	2.6	.30	3.8
42	Ande & Toni Girard	.24	2.3	.31	3.0
6	Anderson Family	.16	2.4	.50	3.8
34	John Bode	.20	2.8	.45	4.2
22	Lenard Chapman	.08	2.0	.35	3.8
16	Joe and Violet Erk	.10	1.7	.40	3.6
4	Anderson Family	.28	3.2	.45	4.8
36	Veit Brothers	.20	2.4	.40	3.2
35	Veit Brothers	.24	2.0	.40	3.2
13	Joe and Violet Erk	out	out	out	out
17	Dwight Kitzen	out	out	out	out
	AVERAGE	.19	2.1	.39	3.6
Corriedale					
133	M&M Livestock	.24	1.8	.52	2.8

FAT = Fat cover at 12-13th rib.

REA = Rib eye area (square inches) at 12-13th rib.

Sorted by Index

TABLE 2. 1995-1996 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	H/P	INT WT #	END WT #	Test gain	ADG (lb)	WDA	GFW 365-d	CWFP %	CFW 365-d	SL 365-d	Side fiber		Britch fiber		FS AVG	BSF AVG	Index	Index Ratio
													Grade	Micron	Grade	Micron				
27	Circle Cross	4411	P	104	230	126	0.90	.73	25.0	57.2	14.3	4.4	56's	27.8	54's	28.0	1.7	4.0	122.32	117.07
9	Wooly Acres	819	P	106	237	131	0.94	.67	21.5	64.9	14.0	5.1	58's	25.5	54's	28.4	1.6	1.5	121.54	116.33
8	Wooly Acres	818	P	124	266	142	1.01	.74	30.3	44.8	13.6	4.1	60's	24.9	56's	26.5	1.2	2.8	121.51	116.30
33	Julie Kluck	332	P	105	225	120	0.86	.67	27.6	51.6	14.2	5.4	58's	26.0	56's	27.0	2.7	1.7	121.38	116.17
38	Darold Benz	5106	H	115	239	124	0.89	.73	26.8	55.5	14.9	4.6	54's	29.0	48's	32.6	2.9	1.5	120.19	115.03
28	Paul & Teri Erk	A7390	P	109	219	110	0.79	.69	22.1	63.7	14.1	4.9	62's	22.1	60's	23.6	1.3	1.4	118.97	113.87
30	Paul & Teri Erk	A7470	H	110	235	125	0.89	.76	19.4	57.8	11.2	4.6	70's	20.3	62's	23.1	2.3	1.7	117.15	112.13
5	Anderson Family	221	P	149	270	121	0.86	.68	24.0	60.0	14.4	4.1	58's	26.4	50's	30.1	2.4	1.3	115.16	110.22
18	Dwight Kitzen	95-107	P	116	222	106	0.76	.69	27.5	55.4	15.2	4.1	58's	25.3	58's	26.2	1.4	1.4	114.68	109.76
39	Robert Mertz	194	P	112	230	118	0.84	.68	24.3	55.0	13.3	4.4	58's	26.4	56's	26.9	1.1	1.1	114.27	109.37
29	Paul & Teri Erk	A7458	H	109	232	123	0.88	.75	20.0	51.8	10.3	4.4	64's	21.5	64's	22.0	1.1	1.8	111.91	107.12
32	Newell FFA	A7283	P	80	211	131	0.94	.65	21.1	55.5	11.7	4.1	60's	24.5	58's	26.3	2.1	1.5	109.06	104.39
41	Ande & Toni Girard	113	H	106	212	106	0.76	.61	24.3	53.8	13.1	4.4	58's	26.0	58's	26.2	2.6	1.5	108.71	104.05
7	Wooly Acres	805	P	111	225	114	0.81	.61	23.2	54.3	12.6	4.4	58's	25.7	56's	26.9	3.0	2.9	107.90	103.28
25	Circle Cross	4301	P	137	255	118	0.84	.76	22.0	53.1	11.7	4.1	60's	24.1	60's	23.9	1.5	1.5	107.78	103.16
23	Bobb Bros.	1857	H	127	239	112	0.80	.70	22.0	61.3	13.5	4.1	54's	28.1	50's	30.1	2.0	1.4	107.41	102.80
12	Murl Patrick	4074	H	103	223	120	0.86	.83	20.0	54.2	10.8	4.6	60's	24.3	60's	24.7	3.2	1.2	106.27	101.72
11	Murl Patrick	4075	P	100	211	111	0.79	.80	19.9	62.8	12.5	4.6	56's	26.8	54's	28.7	1.6	1.1	105.35	100.84
19	Lenard Chapman	B-415	P	111	231	120	0.86	.67	20.0	56.1	11.2	4.1	60's	23.5	60's	24.9	1.9	1.3	104.84	100.34
20	Lenard Chapman	B398	P	100	228	128	0.91	.65	18.2	59.3	10.8	4.4	58's	25.7	56's	27.7	1.0	1.3	104.69	100.20
3	Cook Sisters	3986	H	132	242	110	0.79	.66	21.6	58.0	12.5	4.1	56's	26.7	54's	28.6	1.3	1.8	103.06	98.64
1	Cook Sisters	3944	H	125	245	120	0.86	.66	19.7	57.1	11.3	4.4	60's	24.4	56's	26.7	2.7	1.2	103.00	98.58
24	Bobb Bros.	1868	H	125	235	110	0.79	.70	19.9	59.6	11.9	4.1	60's	24.9	58's	25.9	2.3	1.5	102.68	98.27
40	TW/Faye Schalesky	SL102	P	108	216	108	0.77	.63	21.2	57.0	12.1	4.6	60's	24.8	50's	29.5	2.3	1.3	102.26	97.87
10	Eric Hanson	61	P	81	180	99	0.71	.69	22.6	57.3	13.0	4.6	56's	26.7	50's	29.7	3.6	1.3	101.79	97.42
15	Joe & Violet Erk	3920	P	92	203	111	0.79	.62	21.4	50.6	10.8	4.9	62's	23.4	58's	25.4	2.8	1.4	101.23	96.89
31	John H. Erk	53	P	110	210	100	0.71	.66	16.8	60.0	10.1	4.6	64's	20.9	60's	23.6	2.3	1.1	100.03	95.74

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Sorted by Index

TABLE 2. 1995-1996 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	H/P	INT WT #	END WT #	Test gain	ADG (lb)	WDA	GFW 365-d	CWFP %	CFW 365-d	SL 365-d	Side fiber		Britch fiber		FS AVG	BSF AVG	Index	Index Ratio
													Grade	Micron	Grade	Micron				
37	Gary Haiwick	3769	P	114	232	118	0.84	.69	24.0	45.2	10.8	4.1	50's	30.9	46's	34.0	1.5	1.7	99.55	95.28
26	Circle Cross	4302	P	143	252	109	0.78	.75	24.1	49.0	11.8	3.9	60's	24.4	56's	26.5	1.3	1.1	98.56	94.33
14	Joe & Violet Erk	3795	P	100	200	100	0.71	.60	20.1	58.5	11.7	4.1	62's	23.3	56's	26.5	1.9	1.9	97.51	93.33
21	Lenard Chapman	4519	H	97	207	110	0.79	.62	18.6	55.3	10.3	4.6	60's	23.6	56's	27.3	1.3	1.0	97.10	92.93
2	Cook Sisters	3951	H	135	224	89	0.64	.61	20.9	58.5	12.2	4.1	58's	25.9	56's	27.3	1.5	1.4	94.08	90.05
42	Ande & Toni Girard	153	P	103	204	101	0.72	.59	20.9	48.9	10.2	4.1	54's	28.8	50's	29.5	2.3	2.1	92.96	88.97
6	Anderson Family	238	P	150	241	91	0.65	.61	21.1	51.6	10.9	4.4	62's	23.1	60's	24.7	1.5	1.2	92.81	88.83
34	John Bode	103	H	144	249	105	0.75	.63	18.7	54.8	10.2	3.9	58's	26.2	54's	28.3	1.5	1.0	90.31	86.44
22	Lenard Chapman	4457	H	102	204	102	0.73	.60	16.7	53.2	8.9	4.1	62's	22.2	60's	24.6	2.3	1.8	90.30	86.43
16	Joe & Violet Erk	3975	P	99	185	86	0.61	.58	19.0	58.4	11.1	4.4	56's	26.8	54's	28.3	2.0	1.2	89.17	85.34
4	Anderson Family	201	P	167	280	113	0.81	.69	18.2	50.3	9.2	3.4	56's	27.1	54's	29.1	1.1	1.3	87.79	84.03
36	Veit Brothers	22	H	116	211	95	0.68	.59	21.2	48.9	10.4	4.1	56's	26.8	50's	29.8	1.3	1.3	87.76	83.99
35	Veit Brothers	19	H	128	229	101	0.72	.62	20.0	50.8	10.2	3.7	58's	26.4	54's	28.7	1.3	2.7	86.86	83.13
17	Dwight Kitzen	95-86	P	137	OUT	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Joe & Violet Erk	3756	P	86	OUT	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average				115	227	112	0.80	.69	21.7	55.3	11.9	4.3	58's	25.3	56's	27.2	1.9	1.6	104.48	100.00
Corriedale																				
133	M&M Livestock	592	P	103	225	122	0.87	.64	20.9	63.9	13.3	5.1	46's	33.0	48's	32.7	1.3	1.1	120.14	114.99

* Rams above bold type line indicate top 30% of rams on test.

H/P = Horned or Polled

ADG = Average Daily Gain (lb/day)

GFW = Grease Fleece Weight (adj. to 365 day)

CWFP = % clean wool fibers present

CFW = Clean Fleece Weight (adj. to 365 day)

SL = Staple Length (adj. to 365 day)

FS = Face Score

BSF = Body Skin Fold Score

WDA = Weight Day of Age

TABLE 3. 1995-1996 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	P/H	INT WT #	END WT #	Test gain	ADG (lb)	WDA	GFW 365-d	CWFP %	CFW 365-d	SL 365-d	Side fiber		Britch fiber		FS AVG	BSF AVG	Index	Index Ratio
													Grade	Micron	Grade	Micron				
18	Dwight Kitzen	95-107	P	116	222	106	0.76	.69	27.5	55.4	15.2	4.1	58's	25.3	58's	26.2	1.4	1.4	114.68	109.76
38	Darold Benz	5106	H	115	239	124	0.89	.73	26.8	55.5	14.9	4.6	54's	29.0	48's	32.6	2.9	1.5	120.19	115.03
5	Anderson Family	221	P	149	270	121	0.86	.68	24.0	60.0	14.4	4.1	58's	26.4	50's	30.1	2.4	1.3	115.16	110.22
27	Circle Cross	4411	P	104	230	126	0.90	.73	25.0	57.2	14.3	4.4	56's	27.8	54's	28.0	1.7	4.0	122.32	117.07
33	Julie Kluck	332	P	105	225	120	0.86	.67	27.6	51.6	14.2	5.4	58's	26.0	56's	27.0	2.7	1.7	121.38	116.17
28	Paul & Teri Erk	A7390	P	109	219	110	0.79	.69	22.1	63.7	14.1	4.9	62's	22.1	60's	23.6	1.3	1.4	118.97	113.87
9	Wooly Acres	819	P	106	237	131	0.94	.67	21.5	64.9	14.0	5.1	58's	25.5	54's	28.4	1.6	1.5	121.54	116.33
8	Wooly Acres	818	P	124	266	142	1.01	.74	30.3	44.8	13.6	4.1	60's	24.9	56's	26.5	1.2	2.8	121.51	116.30
23	Bobb Bros.	1857	H	127	239	112	0.80	.70	22.0	61.3	13.5	4.1	54's	28.1	50's	30.1	2.0	1.4	107.41	102.80
39	Robert Mertz	194	P	112	230	118	0.84	.68	24.3	55.0	13.3	4.4	58's	26.4	56's	26.9	1.1	1.1	114.27	109.37
41	Ande & Toni Girard	113	H	106	212	106	0.76	.61	24.3	53.8	13.1	4.4	58's	26.0	58's	26.2	2.6	1.5	108.71	104.05
10	Eric Hanson	61	P	81	180	99	0.71	.69	22.6	57.3	13.0	4.6	56's	26.7	50's	29.7	3.6	1.3	101.79	97.42
7	Wooly Acres	805	P	111	225	114	0.81	.61	23.2	54.3	12.6	4.4	58's	25.7	56's	26.9	3.0	2.9	107.90	103.28
3	Cook Sisters	3986	H	132	242	110	0.79	.66	21.6	58.0	12.5	4.1	56's	26.7	54's	28.6	1.3	1.8	103.06	98.64
11	Murl Patrick	4075	P	100	211	111	0.79	.80	19.9	62.8	12.5	4.6	56's	26.8	54's	28.7	1.6	1.1	105.35	100.84
2	Cook Sisters	3951	H	135	224	89	0.64	.61	20.9	58.5	12.2	4.1	58's	25.9	56's	27.3	1.5	1.4	94.08	90.05
40	TW/Faye Schalesky	SL102	P	108	216	108	0.77	.63	21.2	57.0	12.1	4.6	60's	24.8	50's	29.5	2.3	1.3	102.26	97.87
24	Bobb Bros.	1868	H	125	235	110	0.79	.70	19.9	59.6	11.9	4.1	60's	24.9	58's	25.9	2.3	1.5	102.68	98.27
26	Circle Cross	4302	P	143	252	109	0.78	.75	24.1	49.0	11.8	3.9	60's	24.4	56's	26.5	1.3	1.1	98.56	94.33
14	Joe & Violet Erk	3795	P	100	200	100	0.71	.60	20.1	58.5	11.7	4.1	62's	23.3	56's	26.5	1.9	1.9	97.51	93.33
32	Newell FFA	A7283	P	80	211	131	0.94	.65	21.1	55.5	11.7	4.1	60's	24.5	58's	26.3	2.1	1.5	109.06	104.39
25	Circle Cross	4301	P	137	255	118	0.84	.76	22.0	53.1	11.7	4.1	60's	24.1	60's	23.9	1.5	1.5	107.78	103.16
1	Cook Sisters	3944	H	125	245	120	0.86	.66	19.7	57.1	11.3	4.4	60's	24.4	56's	26.7	2.7	1.2	103.00	98.58
30	Paul & Teri Erk	A7470	H	110	235	125	0.89	.76	19.4	57.8	11.2	4.6	70's	20.3	62's	23.1	2.3	1.7	117.15	112.13
19	Lenard Chapman	B-415	P	111	231	120	0.86	.67	20.0	56.1	11.2	4.1	60's	23.5	60's	24.9	1.9	1.3	104.84	100.34
16	Joe & Violet Erk	3975	P	99	185	86	0.61	.58	19.0	58.4	11.1	4.4	56's	26.8	54's	28.3	2.0	1.2	89.17	85.34
6	Anderson Family	238	P	150	241	91	0.65	.61	21.1	51.6	10.9	4.4	62's	23.1	60's	24.7	1.5	1.2	92.81	88.83
37	Gary Haiwick	3769	P	114	232	118	0.84	.69	24.0	45.2	10.8	4.1	50's	30.9	46's	34.0	1.5	1.7	99.55	95.28

Sorted by Clean Fleece Weight

TABLE 3. 1995-1996 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	P/H	INT WT #	END WT #	Test gain	ADG (lb)	WDA	GFW 365-d	CWFP %	CFW 365-d	SL 365-d	Side fiber		Britch fiber		FS AVG	BSF AVG	Index	Index Ratio
													Grade	Micron	Grade	Micron				
15	Joe & Violet Erk	3920	P	92	203	111	0.79	.62	21.4	50.6	10.8	4.9	62's	23.4	58's	25.4	2.8	1.4	101.23	96.89
12	Murl Patrick	4074	H	103	223	120	0.86	.83	20.0	54.2	10.8	4.6	60's	24.3	60's	24.7	3.2	1.2	106.27	101.72
20	Lenard Chapman	B-398	P	100	228	128	0.91	.65	18.2	59.3	10.8	4.4	58's	25.7	56's	27.7	1.0	1.3	104.69	100.20
36	Veit Brothers	22	H	116	211	95	0.68	.59	21.2	48.9	10.4	4.1	56's	26.8	50's	29.8	1.3	1.3	87.76	83.99
29	Paul & Teri Erk	A7458	H	109	232	123	0.88	.75	20.0	51.8	10.3	4.4	64's	21.5	64's	22.0	1.1	1.8	111.91	107.12
21	Lenard Chapman	4519	H	97	207	110	0.79	.62	18.6	55.3	10.3	4.6	60's	23.6	56's	27.3	1.3	1.0	97.10	92.93
34	John Bode	103	H	144	249	105	0.75	.63	18.7	54.8	10.2	3.9	58's	26.2	54's	28.3	1.5	1.0	90.31	86.44
42	Ande & Toni Girard	153	P	103	204	101	0.72	.59	20.9	48.9	10.2	4.1	54's	28.8	50's	29.5	2.3	2.1	92.96	88.97
35	Veit Brothers	19	H	128	229	101	0.72	.62	20.0	50.8	10.2	3.7	58's	26.4	54's	28.7	1.3	2.7	86.86	83.13
31	John H. Erk	53	P	110	210	100	0.71	.66	16.8	60.0	10.1	4.6	64's	20.9	60's	23.6	2.3	1.1	100.03	95.74
4	Anderson Family	201	P	167	280	113	0.81	.69	18.2	50.3	9.2	3.4	56's	27.1	54's	29.1	1.1	1.3	87.79	84.03
22	Lenard Chapman	4457	H	102	204	102	0.73	.73	16.7	53.2	8.9	4.1	62's	22.2	60's	24.6	2.3	1.8	90.30	86.43
17	Dwight Kitzen	95-86	P	137	OUT	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Joe & Violet Erk	3756	P	86	OUT	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average				115	227	112	0.80	.69	21.7	55.3	11.9	4.3	58's	25.3	56's	27.2	1.9	1.6	104.48	100.0
Corriedale																				
133	M&M Livestock	592	P	103	225	122	0.87	.64	20.9	63.9	13.3	5.1	46's	33.0	48's	32.7	1.3	1.1	120.14	114.99

H/P = Horned or Polled

ADG = Average Daily Gain (lb/day)

GFW = Grease Fleece Weight (adj. to 365 day)

CWFP = % clean wool fibers present

CFW = Clean Fleece Weight (adj. to 365 day)

SL = Staple Length (adj. to 365 day)

FS = Face Score

BSF = Body Skin Fold Score

WDA = Weight Day of Age

TABLE 4. 1995-1996 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	P/H	INT WT #	END WT #	Test gain	ADG (lb)	WDA	GFW 365-d	CWFP %	CFW 365-d	SL 365-d	Side fiber		Britch fiber		FS AVG	BSF AVG	Index	Index Ratio
													Grade	Micron	Grade	Micron				
8	Wooly Acres	818	P	124	266	142	1.01	.74	30.3	44.8	13.6	4.1	60's	24.9	56's	26.5	1.2	2.8	121.51	116.30
32	Newell FFA	A7283	P	80	211	131	0.94	.65	21.1	55.5	11.7	4.1	60's	24.5	58's	26.3	2.1	1.5	109.06	104.39
9	Wooly Acres	819	P	106	237	131	0.94	.67	21.5	64.9	14.0	5.1	58's	25.5	54's	28.4	1.6	1.5	121.54	116.33
20	Lenard Chapman	B-398	P	100	228	128	0.91	.65	18.2	59.3	10.8	4.4	58's	25.7	56's	27.7	1.0	1.3	104.69	100.20
27	Circle Cross	4411	P	104	230	126	0.90	.73	25.0	57.2	14.3	4.4	56's	27.8	54's	28.0	1.7	4.0	122.32	117.07
30	Paul & Teri Erk	A7470	H	110	235	125	0.89	.76	19.4	57.8	11.2	4.6	70's	20.3	62's	23.1	2.3	1.7	117.15	112.13
38	Darold Benz	5106	H	115	239	124	0.89	.73	26.8	55.5	14.9	4.6	54's	29.0	48's	32.6	2.9	1.5	120.19	115.03
29	Paul & Teri Erk	A7458	H	109	232	123	0.88	.75	20.0	51.8	10.3	4.4	64's	21.5	64's	22.0	1.1	1.8	111.91	107.12
5	Anderson Family	221	P	149	270	121	0.86	.68	24.0	60.0	14.4	4.1	58's	26.4	50's	30.1	2.4	1.3	115.16	110.22
33	Julie Kluck	332	P	105	225	120	0.86	.67	27.6	51.6	14.2	5.4	58's	26.0	56's	27.0	2.7	1.7	121.38	116.17
19	Lenard Chapman	B-415	P	111	231	120	0.86	.67	20.0	56.1	11.2	4.1	60's	23.5	60's	24.9	1.9	1.3	104.84	100.34
12	Murl Patrick	4074	H	103	223	120	0.86	.83	20.0	54.2	10.8	4.6	60's	24.3	60's	24.7	3.2	1.2	106.27	101.72
1	Cook Sisters	3944	H	125	245	120	0.86	.66	19.7	57.1	11.3	4.4	60's	24.4	56's	26.7	2.7	1.2	103.00	98.58
39	Robert Mertz	194	P	112	230	118	0.84	.68	24.3	55.0	13.3	4.4	58's	26.4	56's	26.9	1.1	1.1	114.27	109.37
37	Gary Haiwick	3769	P	114	232	118	0.84	.69	24.0	45.2	10.8	4.1	50's	30.9	46's	34.0	1.5	1.7	99.55	95.28
25	Circle Cross	4301	P	137	255	118	0.84	.76	22.0	53.1	11.7	4.1	60's	24.1	60's	23.9	1.5	1.5	107.78	103.16
7	Wooly Acres	805	P	111	225	114	0.81	.61	23.2	54.3	12.6	4.4	58's	25.7	56's	26.9	3.0	2.9	107.90	103.28
4	Anderson Family	201	P	167	280	113	0.81	.69	18.2	50.3	9.2	3.4	56's	27.1	54's	29.1	1.1	1.3	87.79	84.03
23	Bobb Bros.	1857	H	127	239	112	0.80	.70	22.0	61.3	13.5	4.1	54's	28.1	50's	30.1	2.0	1.4	107.41	102.80
15	Joe & Violet Erk	3920	P	92	203	111	0.79	.62	21.4	50.6	10.8	4.9	62's	23.4	58's	25.4	2.8	1.4	101.23	96.89
11	Murl Patrick	4075	P	100	211	111	0.79	.80	19.9	62.8	12.5	4.6	56's	26.8	54's	28.7	1.6	1.1	105.35	100.84
28	Paul & Teri Erk	A7390	P	109	219	110	0.79	.69	22.1	63.7	14.1	4.9	62's	22.1	60's	23.6	1.3	1.4	118.97	113.87
24	Bobb Bros.	1868	H	125	235	110	0.79	.70	19.9	59.6	11.9	4.1	60's	24.9	58's	25.9	2.3	1.5	102.68	98.27
21	Lenard Chapman	4519	H	97	207	110	0.79	.62	18.6	55.3	10.3	4.6	60's	23.6	56's	27.3	1.3	1.0	97.10	92.93
3	Cook Sisters	3986	H	132	242	110	0.79	.66	21.6	58.0	12.5	4.1	56's	26.7	54's	28.6	1.3	1.8	103.06	98.64
26	Circle Cross	4302	P	143	252	109	0.78	.75	24.1	49.0	11.8	3.9	60's	24.4	56's	26.5	1.3	1.1	98.56	94.33
40	TW/Faye Schalesky	SL102	P	108	216	108	0.77	.63	21.2	57.0	12.1	4.6	60's	24.8	50's	29.5	2.3	1.3	102.26	97.87

Sorted by Average Daily Gain

TABLE 4. 1995-1996 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	P/H	INT WT #	END WT #	Test gain	ADG (lb)	WDA	GFW 365-d	CWFP %	CFW 365-d	SL 365-d	Side fiber		Britch fiber		FS AVG	BSF AVG	Index	Index Ratio
													Grade	Micron	Grade	Micron				
41	Ande & Toni Girard	113	H	106	212	106	0.76	.61	24.3	53.8	13.1	4.4	58's	26.0	58's	26.2	2.6	1.5	108.71	104.05
18	Dwight Kitzen	95-107	P	116	222	106	0.76	.69	27.5	55.4	15.2	4.1	58's	25.3	58's	26.2	1.4	1.4	114.68	109.76
34	John Bode	103	H	144	249	105	0.75	.63	18.7	54.8	10.2	3.9	58's	26.2	54's	28.3	1.5	1.0	90.31	86.44
22	Lenard Chapman	4457	H	102	204	102	0.73	.60	16.7	53.2	8.9	4.1	62's	22.2	60's	24.6	2.3	1.8	90.30	86.43
42	Ande & Toni Girard	153	P	103	204	101	0.72	.59	20.9	48.9	10.2	4.1	54's	28.8	50's	29.5	2.3	2.1	92.96	88.97
35	Veit Brothers	19	H	128	229	101	0.72	.62	20.0	50.8	10.2	3.7	58's	26.4	54's	28.7	1.3	2.7	86.86	83.13
31	John H. Erk	53	P	110	210	100	0.71	.66	16.8	60.0	10.1	4.6	64's	20.9	60's	23.6	2.3	1.1	100.03	95.74
14	Joe & Violet Erk	3795	P	100	200	100	0.71	.60	20.1	58.5	11.7	4.1	62's	23.3	56's	26.5	1.9	1.9	97.51	93.33
10	Eric Hanson	61	P	81	180	99	0.71	.69	22.6	57.3	13.0	4.6	56's	26.7	50's	29.7	3.6	1.3	101.79	97.42
36	Veit Brothers	22	H	116	211	95	0.68	.59	21.2	48.9	10.4	4.1	56's	26.8	50's	29.8	1.3	1.3	87.76	83.99
6	Anderson Family	238	P	150	241	91	0.65	.61	21.1	51.6	10.9	4.4	62's	23.1	60's	24.7	1.5	1.2	92.81	88.83
2	Cook Sisters	3951	H	135	224	89	0.64	.61	20.9	58.5	12.2	4.1	58's	25.9	56's	27.3	1.5	1.4	94.08	90.05
16	Joe & Violet Erk	3975	P	99	185	86	0.61	.58	19.0	58.4	11.1	4.4	56's	26.8	54's	28.3	2.0	1.2	89.17	85.34
17	Dwight Kitzen	95-86	P	137	OUT	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Joe & Violet Erk	3756	P	86	OUT	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average				115	227	112	0.80	.69	21.7	55.3	11.9	4.3	58's	25.3	56's	27.2	1.9	1.6	104.48	100.00
Corriedale																				
133	M&M Livestock	592	P	103	225	122	0.87	.64	20.9	63.9	13.3	5.1	46's	33.0	48's	32.7	1.3	1.1	120.14	114.99

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H/P = Horned or Polled
 ADG = Average Daily Gain (lb/day)
 GFW = Grease Fleece Weight (adj. to 365 day)
 CWFP = % clean wool fibers present
 CFW = Clean Fleece Weight (adj. to 365 day)
 SL = Staple Length (adj. to 365 day)
 FS = Face Score
 BSF = Body Skin Fold Score
 WDA = Weight Day of Age

TABLE 5. STATISTICAL INFORMATION ON WOOL MEASUREMENTS FROM 1995-96 RAM TEST

Ram ID #	Flock Tag #	P/H	SIDE				BRITCH			
			GRADE	AFD	STD	CV	GRADE	AFD	STD	CV
27	4411	P	56's	27.8	5.3	19.1	54's	28.0	6.3	22.5
9	819	P	58's	25.5	4.3	16.9	54's	28.4	5.3	18.7
8	818	P	60's	24.9	3.3	13.3	56's	26.5	3.7	14.0
33	332	P	58's	26.0	4.0	15.4	56's	27.0	5.8	21.5
38	5106	H	54's	29.0	5.6	19.3	48's	32.6	6.1	18.7
28	A7390	P	62's	22.1	2.9	13.1	60's	23.6	3.7	15.7
30	A7470	H	70's	20.3	2.7	13.3	62's	23.1	3.9	16.9
5	221	P	58's	26.4	4.7	17.8	50's	30.1	6.1	20.3
18	95-107	P	58's	25.3	3.6	14.2	58's	26.2	4.3	16.4
39	194	P	58's	26.4	5.0	18.9	56's	26.9	3.8	14.1
29	A7458	H	64's	21.5	4.0	18.6	64's	22.0	3.8	17.3
32	A7283	P	60's	24.5	4.2	17.1	58's	26.3	4.1	15.6
41	113	H	58's	26.0	4.3	16.5	58's	26.2	5.0	19.1
7	805	P	58's	25.7	3.8	14.8	56's	26.9	4.4	16.4
25	4301	P	60's	24.1	3.7	15.4	60's	23.9	3.9	16.3
23	1857	H	54's	28.1	4.6	16.4	50's	30.1	5.3	17.6
12	4074	H	60's	24.3	3.7	15.2	60's	24.7	4.5	18.2
11	4075	P	56's	26.8	5.7	21.3	54's	28.7	6.5	22.6
19	B-415	P	60's	23.5	3.8	16.2	60's	24.9	4.0	16.1
20	B-398	P	58's	25.7	3.9	15.2	56's	27.7	4.4	15.9
3	3986	H	56's	26.7	4.7	17.6	54's	28.6	5.5	19.2
1	3944	H	60's	24.4	4.0	16.4	56's	26.7	5.1	19.1
24	1868	H	60's	24.9	4.1	16.5	58's	25.9	4.7	18.1
40	SL102	P	60's	24.8	4.7	19.0	50's	29.5	5.0	16.9
10	61	P	56's	26.7	4.1	15.4	50's	29.7	5.7	19.2
15	3920	P	62's	23.4	3.5	15.0	58's	25.4	4.5	17.7
31	53	P	64's	20.9	3.1	14.8	60's	23.6	3.4	14.4
37	3769	P	50's	30.9	5.4	17.5	46's	34.0	6.3	18.5
26	4302	P	60's	24.4	4.1	16.8	56's	26.5	5.2	19.6
14	3795	P	62's	23.3	3.7	15.9	56's	26.5	4.9	18.5
21	4519	H	60's	23.6	3.9	16.5	56's	27.3	5.9	21.6
2	3951	H	58's	25.9	4.9	18.9	56's	27.3	5.9	21.6
42	153	P	54's	28.8	6.2	21.5	50's	29.5	5.4	18.3
6	238	P	62's	23.1	3.6	15.6	60's	24.7	4.4	17.8
34	103	H	58's	26.2	4.5	17.2	54's	28.3	4.8	17.0
22	4457	H	62's	22.2	4.3	19.4	60's	24.6	5.1	20.7
16	3975	P	56's	26.8	4.2	15.7	54's	28.3	5.2	18.4
4	201	P	56's	27.1	4.4	16.2	54's	29.1	4.8	16.5
36	22	H	56's	26.8	4.8	17.9	50's	29.8	5.1	17.1
35	19	H	58's	26.4	4.7	17.8	54's	28.7	6.7	23.3
17	95-86	P								
13	3756	P								
Corriedale										
133	592	P	46's	33.0	6.8	20.6	48's	32.7	6.8	20.8

AFD = Actual Fiber Diameter (microns)

STD = Standard Deviation

CV = Coefficient of Variation

Table 6. Carcass merit and growth performance 1996-97

ID	Producer	Flock ID#	H/P	Int wt.	End wt.	Test gain	ADG (lb)	Initial 10/7/96		End 3/7/97	
								Fat	Rib eye	Fat	Rib eye
Rambouillets											
35	Hanson	63	H	171	295	124	0.89	0.20	2.31	0.44	3.40
42	M&M	6028	P	128	247	119	0.85	0.24	1.20	0.60	3.30
1	Lynn	177	H	133	250	117	0.84	0.20	1.90	0.36	3.40
16	Mertz	267	H	94	210	116	0.83	0.16	1.60	0.36	2.90
8	Cook	4032	H	131	245	114	0.81	0.16	2.20	0.40	3.00
6	Girard	191	P	86	200	114	0.81	0.16	1.50	0.28	2.70
26	Haiwick	3837	P	100	214	114	0.81	0.16	1.60	0.20	3.40
4	Chapman	480	P	112	225	113	0.81	0.16	1.80	0.28	2.80
31	R. Streeter	B234	H	112	225	113	0.81	0.16	1.60	0.36	3.10
33	R. Streeter	B240	H	97	209	112	0.80	0.16	1.40	0.20	2.30
41	Huntimer	96-10	P	105	217	112	0.80	0.16	1.50	0.36	3.10
22	Haiwick	3804	P	105	216	111	0.79	0.16	1.80	0.44	2.50
11	Veit	4	H	135	246	111	0.79	0.20	2.00	0.20	2.50
18	Erk	A7490	P	115	224	109	0.78	0.20	1.60	0.52	2.60
29	Wooly Acres	920	P	141	250	109	0.78	0.20	1.50	0.36	2.50
7	Circle Cross	1498	P	109	218	109	0.78	0.16	1.30	0.28	2.90
34	R. Streeter	B243	H	87	196	109	0.78	0.16	1.50	0.28	3.40
38	Anderson	131	P	137	245	108	0.77	0.20	1.50	0.48	2.30
12	Veit	7	H	120	228	108	0.77	0.16	1.70	0.52	2.80
21	Rocky Hill	79	P	87	194	107	0.76	0.12	1.20	0.52	3.10
25	Haiwick	3832	P	105	211	106	0.76	0.12	1.90	0.28	2.60
39	Anderson	141	P	130	233	103	0.74	0.16	1.80	0.40	2.90
40	Anderson	166	P	147	247	100	0.71	0.12	1.95	0.36	3.90
19	Erk	A7553	P	113	213	100	0.71	0.16	1.60	0.28	3.20
36	Bode	138	H	180	276	96	0.69	0.24	2.10	0.44	2.90
28	Wooly Acres	901	P	126	222	96	0.69	0.20	1.60	0.56	3.10
9	Cook	4053	H	141	237	96	0.69	0.20	1.80	0.28	3.10
20	Erk	A7641	P	86	180	94	0.67	0.16	1.30	0.32	2.30
37	Anderson	F140	P	123	216	93	0.66	0.16	1.70	0.44	3.00
5	Girard	190	P	97	190	93	0.66	0.16	1.30	0.28	2.70
27	Haiwick	3839	P	93	184	91	0.65	0.12	1.90	0.32	2.90
13	Veit	11	H	106	197	91	0.65	0.16	1.80	0.36	3.00
30	C. Streeter	143	P	121	212	91	0.65	0.20	1.80	0.36	3.30
32	R. Streeter	B235	H	122	212	90	0.64	0.20	1.60	0.32	2.70
2	Lynn	183	P	125	214	89	0.64	0.16	1.70	0.32	2.40
10	Cook	4072	H	116	205	89	0.64	0.20	1.60	0.36	3.40
24	Haiwick	3825	P	115	200	85	0.61	0.20	1.90	0.40	3.40
17	FFA	A7522	P	87	171	84	0.60	0.12	1.20	0.32	2.20
3	Chapman	B477	P	111	193	82	0.59	0.16	1.40	0.36	3.40
15	Mertz	254	H	121	202	81	0.58	0.16	1.60	0.24	3.40
14	Mertz	251	H	124	204	80	0.57	0.16	1.80	0.32	2.70
23	Haiwick	3814	P	116	190	74	0.53	0.12	2.00	0.40	3.00
Corriedales											
100	M&M	6067	P	117	205	88	0.63	0.24	2.40	0.32	3.60
Columbias											
200	Peterson	6672	P	156	238	82	0.59	0.24	2.20	0.44	3.60

Rib eye = Rib eye area (square inches) at 12-13th rib
 Fat = Fat cover (inches) at 12-13th rib

TABLE 7. 1996-1997 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	H/P	INT WT #	END WT #	Test gain	ADG (lb)	GFW 365-d	CWFP %	CFW 365-d	Side fiber		Britch fiber		SL 365-d	FS AVG	BSF AVG	SC	Index	Index Ratio
											Grade	Micron	Grade	Micron						
Rambouillets																				
35	Hanson	63	H	171	295	124	0.89	24.5	65.8	16.1	46's	33.4	44's	35.7	6.3	1.0	1.5	40	131.17	124.25
16	Mertz	267	H	94	210	116	0.83	24.3	64.6	15.7	62's	22.5	62's	23.2	5.3	1.2	1.5	34	130.38	123.50
4	Chapman	480	P	112	225	113	0.81	25.6	67.4	17.3	60's	24.6	56's	26.6	5.4	2.5	1.7	33	128.07	121.31
14	Mertz	251	H	124	204	80	0.57	26.7	65.9	17.6	62's	22.6	62's	23.0	6.1	1.4	1.4	31	126.05	119.40
42	M&M	6028	P	128	247	119	0.85	23.9	63.0	15.0	58's	25.3	56's	27.2	5.6	1.1	1.2	38	122.86	116.38
31	R. Streeter	B234	H	112	225	113	0.81	22.8	68.1	15.5	56's	27.6	54's	28.9	4.9	3.5	1.7	34	121.03	114.64
1	Lynn	177	H	133	250	117	0.84	25.7	59.6	15.3	62's	23.1	58's	26.1	4.9	1.0	2.1	38	120.37	114.02
33	R. Streeter	B240	H	97	209	112	0.80	21.1	65.6	13.9	60's	23.6	60's	24.5	5.3	1.1	1.1	35	117.59	111.38
8	Cook	4032	H	131	245	114	0.81	23.7	63.6	15.0	58's	25.5	56's	27.7	4.4	1.6	1.4	33	115.09	109.02
41	Huntimer	96-10	P	105	217	112	0.80	24.0	59.6	14.3	60's	23.8	56's	26.6	5.5	1.4	2.1	37	114.86	108.80
40	Anderson	166	P	147	247	100	0.71	24.1	63.7	15.4	62's	23.5	58's	25.9	4.7	1.0	1.3	38	112.72	106.77
18	Erk	A7490	P	115	224	109	0.78	22.4	61.4	13.7	58's	25.7	56's	27.1	4.7	2.9	1.9	33	111.10	105.24
27	Haiwick	3839	P	93	184	91	0.65	20.6	76.0	15.7	58's	25.2	56's	27.6	5.3	2.2	0.7	32	110.88	105.03
38	Anderson	131	P	137	245	108	0.77	24.2	59.6	14.4	60's	24.6	56's	26.9	4.3	2.9	3.0	40	109.43	103.66
12	Veit	7	H	120	228	108	0.77	20.8	61.5	12.8	62's	22.7	58's	25.3	4.7	1.4	1.5	36	107.76	102.08
36	Bode	138	H	180	276	96	0.69	24.7	57.2	14.1	56's	27.2	54's	28.2	4.5	3.7	2.8	37	107.23	101.57
22	Haiwick	3804	P	105	216	111	0.79	21.9	59.1	12.9	56's	27.5	54's	29.3	4.5	3.2	1.7	34	106.79	101.15
15	Mertz	254	H	121	202	81	0.58	26.9	58.8	15.8	58's	26.3	54's	29.0	5.3	1.0	1.3	36	106.33	100.72
20	Erk	A7641	P	86	180	94	0.67	23.7	65.7	15.6	58's	25.1	54's	28.8	4.7	3.2	3.3	34	106.24	100.63
25	Haiwick	3832	P	105	211	106	0.76	20.9	64.2	13.4	50's	30.0	48's	32.7	4.8	1.1	1.8	37	105.77	100.19
28	Wooly Acres	901	P	126	222	96	0.69	24.3	57.9	14.1	58's	27.5	54's	29.3	4.7	2.1	2.3	33	105.75	100.17
21	Rocky Hill	79	P	87	194	107	0.76	17.7	67.8	12.0	60's	23.6	60's	24.6	4.4	3.1	1.1	34	104.19	98.70
32	R. Streeter	B235	H	122	212	90	0.64	21.3	65.1	13.9	58's	25.8	54's	28.0	4.7	1.6	1.3	32	101.48	96.12
37	Anderson	F140	P	123	216	93	0.66	21.6	64.4	13.9	56's	26.6	56's	27.8	3.7	3.6	2.5	33	101.25	95.90
6	Girard	191	P	86	200	114	0.81	17.6	60.3	10.6	60's	23.5	58's	25.0	4.5	2.2	1.1	34	101.14	95.80
29	Wooly Acres	920	P	141	250	109	0.78	23.3	49.9	11.6	58's	25.6	58's	26.4	3.4	1.2	2.1	38	98.80	93.59

Sorted by Index

TABLE 7. 1996-1997 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	H/P	INT WT #	END WT #	Test gain	ADG (lb)	GFW 365-d	CWFP %	CFW 365-d	Side fiber		Britch fiber		SL 365-d	FS AVG	BSF AVG	SC	Index	Index Ratio
											Grade	Micron	Grade	Micron						
23	Haiwick	3814	P	116	190	74	0.53	19.2	74.0	14.2	58's	26.4	54's	29.2	5.6	3.5	1.0	30	98.03	92.86
9	Cook	4053	H	141	237	96	0.69	18.4	68.3	12.6	60's	24.3	58's	26.2	4.3	2.8	1.3	37	97.80	92.64
5	Girard	190	P	97	190	93	0.66	21.2	61.5	13.0	56's	26.6	54's	29.1	4.5	3.3	1.8	35	97.68	92.53
39	Anderson	141	P	130	233	103	0.74	22.4	51.8	11.6	56's	27.2	54's	29.2	4.2	1.9	1.4	37	96.28	91.20
17	FFA	A7522	P	87	171	84	0.60	18.8	59.9	11.2	62's	22.7	62's	23.3	4.7	2.9	1.3	30	96.24	91.16
11	Veit	4	H	135	246	111	0.79	21.6	57.1	12.3	58's	25.0	50's	30.8	4.8	1.3	0.8	38	95.78	90.72
26	Haiwick	3837	P	100	214	114	0.81	18.2	60.3	11.0	58's	25.2	54's	28.3	4.0	1.3	1.0	36	95.31	90.28
19	Erk	A7553	P	113	213	100	0.71	18.6	60.3	11.2	60's	24.1	58's	26.2	4.6	2.2	1.2	36	94.88	89.88
2	Lynn	183	P	125	214	89	0.64	20.7	62.7	13.0	62's	23.1	56's	26.6	4.2	2.1	1.0	36	94.55	89.56
13	Veit	11	H	106	197	91	0.65	19.3	61.2	11.8	60's	23.8	58's	25.4	4.3	2.9	1.2	33	93.99	89.03
10	Cook	4072	H	116	205	89	0.64	19.3	65.0	12.5	60's	24.0	56's	27.3	4.8	1.5	1.3	31	93.40	88.47
24	Haiwick	3825	P	115	200	85	0.61	20.3	59.1	12.0	56's	27.6	50's	29.5	4.8	2.8	1.0	35	92.94	88.04
7	Circle Cross	1498	P	109	218	109	0.78	17.0	57.5	9.8	60's	24.3	58's	25.8	3.9	1.8	1.4	39	91.92	87.07
30	C. Streeter	143	P	121	212	91	0.65	18.8	51.6	9.7	64's	21.9	60's	23.6	4.4	2.3	1.0	31	91.36	86.54
3	Chapman	B477	P	111	193	82	0.59	17.1	65.3	11.2	62's	22.9	58's	25.2	4.6	1.6	1.3	32	89.80	85.06
34	R. Streeter	B243	H	87	196	109	0.78	16.4	59.3	9.7	56's	27.6	50's	29.5	3.7	2.5	2.4	30	89.69	84.96
AVERAGE				117	218	101	0.72	21.6	62.2	13.4	58's	25.2	56's	27.3	4.7	2.1	1.6	35	105.57	100.00
Corriedale																				
100	M&M	6067	P	117	205	88	0.63	21.0	59.5	12.5	46's	33.3	40's	36.7	4.6	1.9	1.1	35	91.76	100.00
Columbias																				
200	Peterson	6672	P	156	238	82	0.59	22.1	60.4	13.4	48's	31.6	44's	34.7	5.1	1.2	1.0	33	95.15	100.00

*Rams above bold type line indicates top 30% of rams on test

H/P = Horned or Polled

ADG = Average Daily Gain (lb/day)

GFW = Grease Fleece Weight (adj. to 365 day)

CWFP = % clean wool fibers present

CFW = Clean Fleece Weight (adj. to 365 day)

SL = Staple Length (adj. to 365 day)

FS = Face Score

BSF = Body Skin Fold Score

SC = Scrotal Circumference

TABLE 8. 1996-1997 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	H/P	INT WT #	END WT #	Test gain	ADG (lb)	GFW 365-d	CWFP %	CFW 365-d	Side fiber		Britch fiber		SL 365-d	FS AVG	BSF AVG	SC	Index	Index Ratio
											Grade	Micron	Grade	Micron						
Rambouillets																				
14	Mertz	251	H	124	204	80	0.57	26.7	65.9	17.6	62's	22.6	62's	23.0	6.1	1.4	1.4	31	126.05	119.40
4	Chapman	480	P	112	225	113	0.81	25.6	67.4	17.3	60's	24.6	56's	26.6	5.4	2.5	1.7	33	128.07	121.31
35	Hanson	63	H	171	295	124	0.89	24.5	65.8	16.1	46's	33.4	44's	35.7	6.3	1.0	1.5	40	131.17	124.25
15	Mertz	254	H	121	202	81	0.58	26.9	58.8	15.8	58's	26.3	54's	29.0	5.3	1.0	1.3	36	106.33	100.72
16	Mertz	267	H	94	210	116	0.83	24.3	64.6	15.7	62's	22.5	62's	23.2	5.3	1.2	1.5	34	130.38	123.50
27	Haiwick	3839	P	93	184	91	0.65	20.6	76.0	15.7	58's	25.2	56's	27.6	5.3	2.2	0.7	32	110.88	105.03
20	Erk	A7641	P	86	180	94	0.67	23.7	65.7	15.6	58's	25.1	54's	28.8	4.7	3.2	3.3	34	106.24	100.63
31	R. Streeter	B234	H	112	225	113	0.81	22.8	68.1	15.5	56's	27.6	54's	28.9	4.9	3.5	1.7	34	121.03	114.64
40	Anderson	166	P	147	247	100	0.71	24.1	63.7	15.4	62's	23.5	58's	25.9	4.7	1.0	1.3	38	112.72	106.77
1	Lynn	177	H	133	250	117	0.84	25.7	59.6	15.3	62's	23.1	58's	26.1	4.9	1.0	2.1	38	120.37	114.02
8	Cook	4032	H	131	245	114	0.81	23.7	63.6	15.0	58's	25.5	56's	27.7	4.4	1.6	1.4	33	115.09	109.02
42	M&M	6028	P	128	247	119	0.85	23.9	63.0	15.0	58's	25.3	56's	27.2	5.6	1.1	1.2	38	122.86	116.38
38	Anderson	131	P	137	245	108	0.77	24.2	59.6	14.4	60's	24.6	56's	26.9	4.3	2.9	3.0	40	109.43	103.66
41	Huntimer	96-10	P	105	217	112	0.80	24.0	59.6	14.3	60's	23.8	56's	26.6	5.5	1.4	2.1	37	114.86	108.80
23	Haiwick	3814	P	116	190	74	0.53	19.2	74.0	14.2	58's	26.4	54's	29.2	5.6	3.5	1.0	30	98.03	92.86
36	Bode	138	H	180	276	96	0.69	24.7	57.2	14.1	56's	27.2	54's	28.2	4.5	3.7	2.8	37	107.23	101.57
28	Wooly Acres	901	P	126	222	96	0.69	24.3	57.9	14.1	58's	27.5	54's	29.3	4.7	2.1	2.3	33	105.75	100.17
37	Anderson	F140	P	123	216	93	0.66	21.6	64.4	13.9	56's	26.6	56's	27.8	3.7	3.6	2.5	33	101.25	95.90
32	R. Streeter	B235	H	122	212	90	0.64	21.3	65.1	13.9	58's	25.8	54's	28.0	4.7	1.6	1.3	32	101.48	96.12
33	R. Streeter	B240	H	97	209	112	0.80	21.1	65.6	13.9	60's	23.6	60's	24.5	5.3	1.1	1.1	35	117.59	111.38
18	Erk	A7490	P	115	224	109	0.78	22.4	61.4	13.7	58's	25.7	56's	27.1	4.7	2.9	1.9	33	111.10	105.24
25	Haiwick	3832	P	105	211	106	0.76	20.9	64.2	13.4	50's	30.0	48's	32.7	4.8	1.1	1.8	37	105.77	100.19
5	Girard	190	P	97	190	93	0.66	21.2	61.5	13.0	56's	26.6	54's	29.1	4.5	3.3	1.8	35	97.68	92.53
2	Lynn	183	P	125	214	89	0.64	20.7	62.7	13.0	62's	23.1	56's	26.6	4.2	2.1	1.0	36	94.55	89.56
22	Haiwick	3804	P	105	216	111	0.79	21.9	59.1	12.9	56's	27.5	54's	29.3	4.5	3.2	1.7	34	106.79	101.15
12	Veit	7	H	120	228	108	0.77	20.8	61.5	12.8	62's	22.7	58's	25.3	4.7	1.4	1.5	36	107.76	102.08

Sorted by Clean Fleece Weight

TABLE 8. 1996-1997 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	H/P	INT WT #	END WT #	Test gain	ADG (lb)	GFW 365-d	CWFP %	CFW 365-d	Side fiber		Britch fiber		SL 365-d	FS AVG	BSF AVG	SC	Index	Index Ratio	
											Grade	Micron	Grade	Micron							
9	Cook	4053	H	141	237	96	0.69	18.4	68.3	12.6	60's	24.3	58's	26.2	4.3	2.8	1.3	37	97.80	92.64	
10	Cook	4072	H	116	205	89	0.64	19.3	65.0	12.5	60's	24.0	56's	27.3	4.8	1.5	1.3	31	93.40	88.47	
11	Veit	4	H	135	246	111	0.79	21.6	57.1	12.3	58's	25.0	50's	30.8	4.8	1.3	0.8	38	95.78	90.72	
21	Rocky Hill	79	P	87	194	107	0.76	17.7	67.8	12.0	60's	23.6	60's	24.6	4.4	3.1	1.1	34	104.19	98.70	
24	Haiwick	3825	P	115	200	85	0.61	20.3	59.1	12.0	56's	27.6	50's	29.5	4.8	2.8	1.0	35	92.94	88.04	
13	Veit	11	H	106	197	91	0.65	19.3	61.2	11.8	60's	23.8	58's	25.4	4.3	2.9	1.2	33	93.99	89.03	
29	Wooly Acres	920	P	141	250	109	0.78	23.3	49.9	11.6	58's	25.6	58's	26.4	3.4	1.2	2.1	38	98.80	93.59	
39	Anderson	141	P	130	233	103	0.74	22.4	51.8	11.6	56's	27.2	54's	29.2	4.2	1.9	1.4	37	96.28	91.20	
17	FFA	A7522	P	87	171	84	0.60	18.8	59.9	11.2	62's	22.7	62's	23.3	4.7	2.9	1.3	30	96.24	91.16	
19	Erk	A7553	P	113	213	100	0.71	18.6	60.3	11.2	60's	24.1	58's	26.2	4.6	2.2	1.2	36	94.88	89.88	
3	Chapman	B477	P	111	193	82	0.59	17.1	65.3	11.2	62's	22.9	58's	25.2	4.6	1.6	1.3	32	89.80	85.06	
26	Haiwick	3837	P	100	214	114	0.81	18.2	60.3	11.0	58's	25.2	54's	28.3	4.0	1.3	1.0	36	95.31	90.28	
6	Girard	191	P	86	200	114	0.81	17.6	60.3	10.6	60's	23.5	58's	25.0	4.5	2.2	1.1	34	101.14	95.80	
7	Circle Cross	1498	P	109	218	109	0.78	17.0	57.5	9.8	60's	24.3	58's	25.8	3.9	1.8	1.4	39	91.92	87.07	
34	R. Streeter	B243	H	87	196	109	0.78	16.4	59.3	9.7	56's	27.6	50's	29.5	3.7	2.5	2.4	30	89.69	84.96	
30	C. Streeter	143	P	121	212	91	0.65	18.8	51.6	9.7	64's	21.9	60's	23.6	4.4	2.3	1.0	31	91.36	86.54	
AVERAGE					117	218	101	0.72	21.6	62.2	13.4	58's	25.2	56's	27.3	4.7	2.1	1.6	35	105.57	100.00
Corriedale																					
100	M&M	6067	P	117	205	88	0.63	21.0	59.5	12.5	46's	33.3	40's	36.7	4.6	1.9	1.1	35	91.76	100.00	
Columbias																					
200	Peterson	6672	P	156	238	82	0.59	22.1	60.4	13.4	48's	31.6	44's	34.7	5.1	1.2	1.0	33	95.15	100.00	

H/P = Horned or Polled

ADG = Average Daily Gain (lb/day)

GFW = Grease Fleece Weight (adj. to 365 day)

CWFP = % clean wool fibers present

CFW = Clean Fleece Weight (adj. to 365 day)

SL = Staple Length (adj. to 365 day)

FS = Face Score

BSF = Body Skin Fold Score

SC = Scrotal Circumference

TABLE 9. 1996-1997 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	P/H	INT WT #	END WT #	Test gain	ADG (lb)	GFW 365-d	CWFP %	CFW 365-d	Side fiber		Britch fiber		SL 365-d	FS AVG	BSF AVG	SC	Index	Index Ratio
											Grade	Micron	Grade	Micron						
Rambouillets																				
35	Hanson	63	H	171	295	124	0.89	24.5	65.8	16.1	46's	33.4	44's	35.7	6.3	1.0	1.5	40	131.17	124.25
42	M&M	6028	P	128	247	119	0.85	23.9	63.0	15.0	58's	25.3	56's	27.2	5.6	1.1	1.2	38	122.86	116.38
1	Lynn	177	H	133	250	117	0.84	25.7	59.6	15.3	62's	23.1	58's	26.1	4.9	1.0	2.1	38	120.37	114.02
16	Mertz	267	H	94	210	116	0.83	24.3	64.6	15.7	62's	22.5	62's	23.2	5.3	1.2	1.5	34	130.38	123.50
8	Cook	4032	H	131	245	114	0.81	23.7	63.6	15.0	58's	25.5	56's	27.7	4.4	1.6	1.4	33	115.09	109.02
6	Girard	191	P	86	200	114	0.81	17.6	60.3	10.6	60's	23.5	58's	25.0	4.5	2.2	1.1	34	101.14	95.80
26	Haiwick	3837	P	100	214	114	0.81	18.2	60.3	11.0	58's	25.2	54's	28.3	4.0	1.3	1.0	36	95.31	90.28
4	Chapman	480	P	112	225	113	0.81	25.6	67.4	17.3	60's	24.6	56's	26.6	5.4	2.5	1.7	33	128.07	121.31
31	R. Streeter	B234	H	112	225	113	0.81	22.8	68.1	15.5	56's	27.6	54's	28.9	4.9	3.5	1.7	34	121.03	114.64
33	R. Streeter	B240	H	97	209	112	0.80	21.1	65.6	13.9	60's	23.6	60's	24.5	5.3	1.1	1.1	35	117.59	111.38
41	Huntimer	96-10	P	105	217	112	0.80	24.0	59.6	14.3	60's	23.8	56's	26.6	5.5	1.4	2.1	37	114.86	108.80
22	Haiwick	3804	P	105	216	111	0.79	21.9	59.1	12.9	56's	27.5	54's	29.3	4.5	3.2	1.7	34	106.79	101.15
11	Veit	4	H	135	246	111	0.79	21.6	57.1	12.3	58's	25.0	50's	30.8	4.8	1.3	0.8	38	95.78	90.72
18	Erk	A7490	P	115	224	109	0.78	22.4	61.4	13.7	58's	25.7	56's	27.1	4.7	2.9	1.9	33	111.10	105.24
29	Wooly Acres	920	P	141	250	109	0.78	23.3	49.9	11.6	58's	25.6	58's	26.4	3.4	1.2	2.1	38	98.80	93.59
7	Circle Cross	1498	P	109	218	109	0.78	17.0	57.5	9.8	60's	24.3	58's	25.8	3.9	1.8	1.4	39	91.92	87.07
34	R. Streeter	B243	H	87	196	109	0.78	16.4	59.3	9.7	56's	27.6	50's	29.5	3.7	2.5	2.4	30	89.69	84.96
38	Anderson	131	P	137	245	108	0.77	24.2	59.6	14.4	60's	24.6	56's	26.9	4.3	2.9	3.0	40	109.43	103.66
12	Viet	7	H	120	228	108	0.77	20.8	61.5	12.8	62's	22.7	58's	25.3	4.7	1.4	1.5	36	107.76	102.08
21	Rocky Hill	79	P	87	194	107	0.76	17.7	67.8	12.0	60's	23.6	60's	24.6	4.4	3.1	1.1	34	104.19	98.70
25	Haiwick	3832	P	105	211	106	0.76	20.9	64.2	13.4	50's	30.0	48's	32.7	4.8	1.1	1.8	37	105.77	100.19
39	Anderson	141	P	130	233	103	0.74	22.4	51.8	11.6	56's	27.2	54's	29.2	4.2	1.9	1.4	37	96.28	91.20
40	Anderson	166	P	147	247	100	0.71	24.1	63.7	15.4	62's	23.5	58's	25.9	4.7	1.0	1.3	38	112.72	106.77
19	Erk	A7553	P	113	213	100	0.71	18.6	60.3	11.2	60's	24.1	58's	26.2	4.6	2.2	1.2	36	94.88	89.88
36	Bode	138	H	180	276	96	0.69	24.7	57.2	14.1	56's	27.2	54's	28.2	4.5	3.7	2.8	37	107.23	101.57
28	Wooly Acres	901	P	126	222	96	0.69	24.3	57.9	14.1	58's	27.5	54's	29.3	4.7	2.1	2.3	33	105.75	100.17

Sorted by Average Daily Gain

TABLE 9. 1996-1997 RAM PERFORMANCE SUMMARY

Ram ID #	Producer	Flock Tag #	P/H	INT WT #	END WT #	Test gain	ADG (lb)	GFW 365-d	CWFP %	CFW 365-d	Side fiber		Britch fiber		SL 365-d	FS AVG	BSF AVG	SC	Index	Index Ratio
											Grade	Micron	Grade	Micron						
9	Cook	4053	H	141	237	96	0.69	18.4	68.3	12.6	60's	24.3	58's	26.2	4.3	2.8	1.3	37	97.80	92.64
20	Erk	A7641	P	86	180	94	0.67	23.7	65.7	15.6	58's	25.1	54's	28.8	4.7	3.2	3.3	34	106.24	100.63
37	Anderson	F140	P	123	216	93	0.66	21.6	64.4	13.9	56's	26.6	56's	27.8	3.7	3.6	2.5	33	101.25	95.90
5	Girard	190	P	97	190	93	0.66	21.2	61.5	13.0	56's	26.6	54's	29.1	4.5	3.3	1.8	35	97.68	92.53
27	Haiwick	3839	P	93	184	91	0.65	20.6	76.0	15.7	58's	25.2	56's	27.6	5.3	2.2	0.7	32	110.88	105.03
13	Veit	11	H	106	197	91	0.65	19.3	61.2	11.8	60's	23.8	58's	25.4	4.3	2.9	1.2	33	93.99	89.03
30	C. Streeter	143	P	121	212	91	0.65	18.8	51.6	9.7	64's	21.9	60's	23.6	4.4	2.3	1.0	31	91.36	86.54
32	R. Streeter	B235	H	122	212	90	0.64	21.3	65.1	13.9	58's	25.8	54's	28.0	4.7	1.6	1.3	32	101.48	96.12
2	Lynn	183	P	125	214	89	0.64	20.7	62.7	13.0	62's	23.1	56's	26.6	4.2	2.1	1.0	36	94.55	89.56
10	Cook	4072	H	116	205	89	0.64	19.3	65.0	12.5	60's	24.0	56's	27.3	4.8	1.5	1.3	31	93.40	88.47
24	Haiwick	3825	P	115	200	85	0.61	20.3	59.1	12.0	56's	27.6	50's	29.5	4.8	2.8	1.0	35	92.94	88.04
17	FFA	A7522	P	87	171	84	0.60	18.8	59.9	11.2	62's	22.7	62's	23.3	4.7	2.9	1.3	30	96.24	91.16
3	Chapman	B477	P	111	193	82	0.59	17.1	65.3	11.2	62's	22.9	58's	25.2	4.6	1.6	1.3	32	89.80	85.06
15	Mertz	254	H	121	202	81	0.58	26.9	58.8	15.8	58's	26.3	54's	29.0	5.3	1.0	1.3	36	106.33	100.72
14	Mertz	251	H	124	204	80	0.57	26.7	65.9	17.6	62's	22.6	62's	23.0	6.1	1.4	1.4	31	126.05	119.40
23	Hawick	3814	P	116	190	74	0.53	19.2	74.0	14.2	58's	26.4	54's	29.2	5.6	3.5	1.0	30	98.03	92.86
AVERAGE				117	218	101	0.72	21.6	62.2	13.4	58's	25.2	56's	27.3	4.7	2.1	1.6	35	105.57	100.00
Corriedale																				
100	M&M	6067	P	117	205	88	0.63	21.0	59.5	12.5	46's	33.3	40's	36.7	4.6	1.9	1.1	35	91.76	100.00
Columbias																				
200	Peterson	6672	P	156	238	82	0.59	22.1	60.4	13.4	48's	31.6	44's	34.7	5.1	1.2	1.0	33	95.15	100.00

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H/P = Horned or Polled

ADG = Average Daily Gain (lb/day)

GFW = Grease Fleece Weight (adj. to 365 day)

CWFP = % clean wool fibers present

CFW = Clean Fleece Weight (adj. to 365 day)

SL = Staple Length (adj. to 365 day)

FS = Face Score

BSF = Body Skin Fold Score

SC = Scrotal Circumference

TABLE 10. STATISTICAL INFORMATION ON WOOL MEASUREMENTS FROM 1996-97 RAM TEST

Ram ID #	Flock Tag #	H/P	SIDE				BRITCH			
			GRADE	AFD	STD	CV	GRADE	AFD	STD	CV
35	63	H	46's	33.4	6.3	18.9	44's	35.7	7.3	20.4
16	267	H	62's	22.5	4.2	18.7	62's	23.2	4.8	20.7
4	480	P	60's	24.6	5.1	20.7	56's	26.6	6.0	22.6
14	251	H	62's	22.6	4.9	21.7	62's	23.0	4.7	20.4
42	6028	P	58's	25.3	4.3	17.0	56's	27.2	6.1	22.4
31	B234	H	56's	27.6	5.2	18.8	54's	28.9	6.0	20.8
1	177	H	62's	23.1	3.8	16.5	58's	26.1	4.7	18.0
33	B240	H	60's	23.6	4.0	16.9	60's	24.5	3.8	15.5
8	4032	H	58's	25.5	3.8	14.9	56's	27.7	4.5	16.2
41	96-10	P	60's	23.8	4.1	17.2	56's	26.6	4.7	17.7
40	166	P	62's	23.5	3.9	16.6	58's	25.9	5.0	19.3
18	A7490	P	58's	25.7	4.6	17.9	56's	27.1	4.8	17.7
27	3839	P	58's	25.2	4.2	16.7	56's	27.6	4.1	14.9
38	131	P	60's	24.6	3.8	15.4	56's	26.9	4.3	16.0
12	7	H	62's	22.7	4.1	18.1	58's	25.3	5.1	20.2
36	138	H	56's	27.2	4.9	18.0	54's	28.2	5.6	19.9
22	3804	P	56's	27.5	6.6	24.0	54's	29.3	6.9	23.5
15	254	H	58's	26.3	5.2	19.8	54's	29.0	6.2	21.4
20	A7641	P	58's	25.1	4.3	17.1	54's	28.8	6.0	20.8
25	3832	P	50's	30.0	5.1	17.0	48's	32.7	6.2	19.0
28	901	P	58's	27.5	4.5	16.4	54's	29.3	5.6	19.1
21	79	P	60's	23.6	3.8	16.1	60's	24.6	4.5	18.3
32	B235	H	58's	25.8	5.1	19.8	54's	28.0	6.5	23.2
37	F140	P	56's	26.6	5.4	20.3	56's	27.8	6.3	22.7
6	191	P	60's	23.5	4.2	17.9	58's	25.0	4.6	18.4
29	920	P	58's	25.6	4.9	19.1	58's	26.4	4.9	18.6
23	3814	P	58's	26.4	4.8	18.2	54's	29.2	5.8	19.9
9	4053	H	60's	24.3	4.2	17.3	58's	26.2	4.1	15.6
5	190	P	56's	26.6	4.1	15.4	54's	29.1	5.3	18.2
39	141	P	56's	27.2	6.0	22.1	54's	29.2	8.4	28.8
17	A7522	P	62's	22.7	3.6	15.9	62's	23.3	3.5	15.0
11	4	H	58's	25.0	3.8	15.2	50's	30.8	6.9	22.4
26	3837	P	58's	25.2	4.2	16.7	54's	28.3	5.5	19.4
19	A7553	P	60's	24.1	3.9	16.2	58's	26.2	4.8	18.3
2	183	P	62's	23.1	4.5	19.5	56's	26.6	6.2	23.3
13	11	H	60's	23.8	3.5	14.7	58's	25.4	4.3	16.9
10	4072	H	60's	24.0	3.6	15.0	56's	27.3	4.8	17.6
24	3825	P	56's	27.6	4.8	17.4	50's	29.5	5.7	19.3
7	1498	P	60's	24.3	3.7	15.2	58's	25.8	4.5	17.4
30	143	P	64's	21.9	4.5	20.5	60's	23.6	4.9	20.8
3	B477	P	62's	22.9	4.2	18.3	58's	25.2	5.2	20.6
34	B243	H	56's	27.6	5.7	20.7	50's	29.5	6.8	23.1
Averages			58's	25.2	4.5	17.9	56's	27.3	5.4	19.6
Corriedales										
100	6067	P	46's	33.3	7.1	21.3	40's	36.7	8.0	21.8
Columbias										
200	6672	P	48's	31.6	4.7	14.9	44's	34.7	5.7	16.4

AFD = Actual Fiber Diameter (microns)

STD = Standard Deviation

CV = Coefficient of Variation