South Dakota State University
Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange

South Dakota Sheep Field Day Proceedings and Research Reports, 1999

Animal Science Reports

1999

Dakota Ram Test Program Final Reports: 1997-98 and 1998-99

Jeff Held
South Dakota State University

Follow this and additional works at: http://openprairie.sdstate.edu/sd_sheepday_1999

Recommended Citation
Held, Jeff, "Dakota Ram Test Program Final Reports: 1997-98 and 1998-99" (1999). *South Dakota Sheep Field Day Proceedings and Research Reports, 1999*. Paper 6.
http://openprairie.sdstate.edu/sd_sheepday_1999/6

This Report is brought to you for free and open access by the Animal Science Reports at Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. It has been accepted for inclusion in South Dakota Sheep Field Day Proceedings and Research Reports, 1999 by an authorized administrator of Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. For more information, please contact michael.biondo@sdstate.edu.

DAKOTA RAM TEST PROGRAM
FINAL REPORTS: 1997-98 AND 1998-99

Jeff Held
Extension Sheep Specialist
Department of Animal and Range Sciences

SDSU

SHEEP 99-6

INTRODUCTION

The Dakota 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.

Prepared for Sheep Day, June 10, 1999

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 rated 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 by breed 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:

NDSU-Hettinger Extension and Research Center

Tim Faller, Superintendent
Dave Pearson-Ram Test Manager

South Dakota Cooperative Extension

Table 1. 1997-98 Dakota Ram Test Summary
Sorted by Carcass Merit

TID	Producer	FID	H/P	BT	B DATE	INITIAL WT	FINAL WT	TEST GAIN	ADG	INITIAL REA	FAT DEPTH	Final REA	FAT DEPTH	REA(sq in) PER CWT
Rambouillets														
27	LENARD CHAPMAN	398	P	S	4/2/97	114	253	139	0.99	2.25	0.20	**4.60**	0.28	1.82
6	CIRCLE CROSS	1597	P	S	3/28/97	129	272	143	1.02	2.30	0.20	**4.20**	0.20	1.54
3	PAUL D. NOESKE	452	P	TW	4/7/97	142	246	104	0.74	2.60	0.24	**4.00**	0.31	1.63
35	TW & F SCHALESKY	0011	H	S	3/29/97	121	236	115	0.82	2.60	0.16	**3.80**	0.20	1.61
17	RM MERTZ	345		TW	5/15/97	90	215	125	0.89	2.00	0.20	**3.80**	0.28	1.77
26	LENARD CHAPMAN	390	H	S	3/16/97	93	208	115	0.82	1.70	0.16	**3.80**	0.28	1.83
41	ANDERSON FAMILY	479	H	S	1/00/97	125	240	115	0.82	2.50	0.16	**3.80**	0.31	1.58
14	JOHN BODE	205	S	TW	2/20/97	134	236	102	0.73	2.60	0.24	**3.70**	0.35	1.57
37	GERMANN RANCH	711	P	S	2/15/97	128	236	108	0.77	2.10	0.20	**3.60**	0.31	1.53
30	VEIT RAMBOUILLETS	016	H	TW	2/17/97	140	271	131	0.94	2.60	0.20	**3.60**	0.35	1.33
34	COOK SISTERS	4096	H	TW	3/15/97	138	251	113	0.81	2.30	0.20	**3.60**	0.35	1.43
23	MATT BENZ	1517	P	TW	1/19/97	163	263	100	0.71	2.80	0.20	**3.60**	0.39	1.37
40	ANDERSON FAMILY	490	P	S	4/00/97	111	261	150	1.07	2.50	0.12	**3.60**	0.45	1.38
4	PAUL D. NOESKE	488	P	TW	4/17/97	138	266	128	0.91	2.60	0.28	**3.55**	0.28	1.33
12	ERK BROTHERS	7799	H	S	4/12/97	102	214	112	0.80	2.20	0.20	**3.50**	0.24	1.64
13	ERK BROTHERS	7859	P	TW	4/16/97	100	192	92	0.66	2.40	0.20	**3.50**	0.24	1.82
20	JIM & TINA LYNN	191	H	TW	2/25/97	106	224	118	0.84	2.40	0.24	**3.50**	0.24	1.56
38	GERMANN RANCH	713	H	S	2/17/97	125	248	123	0.88	2.40	0.20	**3.50**	0.24	1.41
16	RM MERTZ	340		S	5/4/97	106	233	127	0.91	2.10	0.20	**3.50**	0.28	1.50
39	ANDERSON FAMILY	401	H	S	12/1/97	140	230	90	0.64	2.00	0.24	**3.45**	0.35	1.50
31	VEIT RAMBOUILLETS	027	P	S	3/3/97	144	220	76	0.54	2.30	0.12	**3.40**	0.20	1.55
42	ANDERSON FAMILY	492	H	S	4/00/97	80	202	122	0.87	2.10	0.40	**3.40**	0.28	1.68
11	ERK BROTHERS	7712	P	S	4/6/97	99	214	115	0.82	2.00	0.16	**3.40**	0.31	1.59
5	CIRCLE CROSS	1566	P	S	3/25/97	118	244	126	0.90	2.30	0.20	**3.40**	0.35	1.39
29	LENARD CHAPMAN	B-566	P	TW	4/15/97	82	186	104	0.74	1.80	0.20	**3.40**	0.35	1.83
2	WOOLY ACRES	1013	P	S	3/13/97	114	217	103	0.74	2.00	0.24	**3.30**	0.39	1.52
8	CIRCLE CROSS	1706	P	S	5/23/97	90	193	103	0.74	2.20	0.12	**3.30**	0.39	1.71
18	JIM & TINA LYNN	185	H	TW	2/17/97	108	214	106	0.76	2.00	0.20	**3.30**	0.39	1.54
22	MATT BENZ	1513	P	TW	1/19/97	154	272	118	0.84	2.80	0.20	**3.30**	0.47	1.21
24	LENARD CHAPMAN	4611	P	S	3/16/97	82	163	81	0.58	1.80	0.20	**3.20**	0.31	1.96
15	RM MERTZ	290		TW	3/14/97	103	216	113	0.81	2.20	0.16	**3.20**	0.35	1.48
21	JIM & TINA LYNN	209	H	TW	3/4/97	93	218	125	0.89	2.15	0.39	**3.20**	0.35	1.47
28	LENARD CHAPMAN	B-547	H	TW	3/20/97	86	196	110	0.79	1.70	0.28	**3.20**	0.35	1.63
32	VEIT RAMBOUILLETS	030	H	S	3/4/97	127	229	102	0.73	2.70	0.24	**3.20**	0.35	1.40
1	WOOLY ACRES	993	P	S	3/1/97	112	229	117	0.84	2.00	0.28	**3.10**	0.31	1.35
7	CIRCLE CROSS	1685	P	S	5/3/97	102	176	74	0.53	2.10	0.16	**3.10**	0.31	1.76
19	JIM & TINA LYNN	190	H	TW	3/4/97	94	210	116	0.83	2.20	0.24	**3.10**	0.31	1.48
36	DAROLD BENZ	780	S	TW	1/28/97	111	237	126	0.90	1.90	0.20	**3.05**	0.20	1.29
33	COOK SISTERS	4073	H	TW	3/4/97	125	245	120	0.86	2.00	0.24	**3.00**	0.31	1.22
9	K&M HAGBOM	299	P	S	4/2/97	129	243	114	0.81	2.30	0.16	**2.90**	0.28	1.19
10	ERK BROTHERS	7683	P	S	4/2/97	97	183	86	0.61	1.60	0.20	**2.50**	0.24	1.37
Averages						**115**	**223**	**108**	**0.77**	**2.22**	**0.21**	**3.44**	**0.32**	**1.53**
	COLUMBIA													
103	HAROLD OSBORNE	5563	P			110	244	134	0.96	2.20	0.20	**3.60**	0.24	1.48
105	HETTINGER	7-626	P	TW	5/6/97	101	216	115	0.82	2.10	0.20	**3.60**	0.28	1.67
101	NDSU	7266	P			114	228	114	0.81	2.60	0.16	**3.40**	0.20	1.49
104	HETTINGER	7-655	P	S	5/14/97	99	213	114	0.81	2.00	0.16	**3.40**	0.28	1.60
102	DON OSBORNE	222	P			116	232	116	0.83	2.20	0.16	**3.15**	0.28	1.36
100	NDSU	7151	P			125	202	77	0.55	2.50	0.20	**2.95**	0.20	1.46
Averages						**111**	**223**	**112**	**0.80**	**2.27**	**0.18**	**3.35**	**0.24**	**1.51**

Table 1. (cont.) 1997-98 Dakota Ram Test Summary
Sorted by Carcass Merit

	CORRIEDALE												
200	M&M LIVESTOCK	98	P	TW	5/2/97	120	230	110	0.79	2.20	0.28	**3.50**	0.39	1.52
201	JIM CROUCH	217	P	S	1/30/97	131	254	123	0.88	2.50	0.20	**3.05**	0.39	1.20
Averages						**126**	**242**	**117**	**0.83**	**2.35**	**0.24**	**3.28**	**0.39**	**1.36**
	MERINO												
300	TW & F SCHALESKY	0003	H	S	3/18/97	92	165	73	0.52	2.30	0.24	**3.30**	0.35	2.00
Averages						**92**	**165**	**73**	**0.52**	**2.30**	**0.24**	**3.30**	**0.35**	**2.00**
	POLYPAY												
401	PR ROSE POLYPAY	7093	P	TW	3/19/97	94	177	83	0.59	2.20	0.20	**2.90**	0.20	1.64
400	PR ROSE POLYPAY	7049	P	TW	3/13/97	100	204	104	0.74	2.15	0.24	**2.60**	0.24	1.27
Averages						**97**	**191**	**94**	**0.67**	**2.18**	**0.22**	**2.75**	**0.22**	**1.46**

Abbreviations:
TID=Test identification
FID=Flock identification
H/P=Horned or Polled
B Date=Birth date
ADG=Average daily gain
Fat Depth=External fat at 12-13th rib
REA (sq in)/CWT= REA expressed per 100 pounds of Final Wt

** Weight measurements = pounds
Ribeye Area = square inches

Table 2. 1997-98 Dakota Performance Ram Test Summary
Sorted by Index

T	ID	Producer	FIID	H/P	BT	B DATE	B WT	F WT	GAIN	ADG	GR 365-d	YIELD CWFP	CL FL 365-d	SIDE GRADE	AFD	BRITCH GRADE	STL AFD	STL ADJ	FS	BSF	BW	Sc Cir	Index	Index Ratio
Rambouillets																								
	40	ANDERSON FAM.	490	P	S	4/00/97	111	261	150	1.07	27.9	55.4	16.5	62	23.3	60	24.6	4.4	1	1	1	41	**140.69**	134.94
	4	P. NOESKE	488	P	TW	4/17/97	138	266	128	0.91	33.5	51.9	17.4	58	26.1	54	28.1	4.5	3	2	1	37	**131.32**	125.96
	30	VEIT	016	H	TW	2/17/97	140	271	131	0.94	30.2	58.2	16.4	60	24.8	56	27.8	5.3	1	1.5	1	37	**129.67**	124.37
	36	D. BENZ	780	S	TW	1/28/97	111	237	126	0.90	29.8	50.3	15.9	58	25.4	54	28.2	5.2	2.3	1	1	33	**125.46**	120.33
	19	J&T LYNN	190	H	TW	3/4/97	94	210	116	0.83	23.3	58.5	13.6	62	22.8	60	24.2	4.9	1	1	1	33	**117.64**	112.84
	41	ANDERSON FAM.	479	H	S	1/00/97	125	240	115	0.82	23.3	59.1	14.0	56	27.0	54	28.0	4.7	1	1	2	39	**115.56**	110.84
	5	CIRCLE CROSS	1566	P	S	3/25/97	118	244	126	0.90	23.3	55.9	13.0	56	26.5	54	28.4	4.4	1.3	1	1	35	**112.83**	108.22
	9	K&M HAGBOM	299	P	S	4/2/97	129	243	114	0.81	22.8	56.1	12.8	60	23.7	60	24.7	4.9	1.5	1	1	34	**112.18**	107.59
	27	L. CHAPMAN	398	P	S	4/2/97	114	253	139	0.99	22.1	48.7	11.4	60	24.4	56	26.7	4.6	1	1	1	36	**111.73**	107.17
	33	COOK	4073	H	TW	3/4/97	125	245	120	0.86	23.3	55.0	11.9	60	24.1	58	25.6	5.4	1	1	1	36	**111.01**	106.47
	34	COOK	4096	H	TW	3/15/97	138	251	113	0.81	25.6	51.3	13.1	54	28.3	54	29.1	4.3	1.5	1	1	36	**110.24**	105.73
	16	RM MERTZ	340		S	5/4/97	106	233	127	0.91	20.9	54.0	11.3	62	22.5	60	24.5	4.1	1.5	1	1	28	**109.62**	105.14
	2	WOOLY ACRES	1013	P	S	3/13/97	114	217	103	0.74	25.6	55.9	14.3	58	25.7	58	28.1	4.9	1.3	1	1	33	**109.12**	104.66
	22	MATT BENZ	1513	P	TW	1/19/97	154	272	118	0.84	24.7	51.4	12.7	56	26.8	56	27.7	3.9	2	1.5	1	32	**108.75**	104.31
	20	J&T LYNN	191	H	TW	2/25/97	106	224	118	0.84	24.2	51.9	12.6	58	25.6	56	27.7	4.7	1	1.3	1	34	**108.21**	103.79
	15	RM MERTZ	290		TW	3/14/97	103	216	113	0.81	25.6	47.5	12.2	62	23.3	58	25.1	4.8	2	1	1	33	**107.68**	103.28
	11	ERK BROS.	7712	P	S	4/6/97	99	214	115	0.82	23.7	58.7	13.9	58	25.9	50	30.5	4.9	1.5	1	1	35	**107.26**	102.88
	6	CIRCLE CROSS	1597	P	S	3/28/97	129	272	143	1.02	19.5	51.6	10.1	60	24.8	56	27.8	4.6	1	1	1	36	**106.42**	102.07
	42	ANDERSON FAM.	492	H	S	4/00/97	80	202	122	0.87	20.0	60.3	12.2	58	25.6	54	28.3	4.3	1.3	1.5	1	38	**105.55**	101.24
	17	RM MERTZ	345		TW	5/15/97	90	215	125	0.89	19.5	53.3	10.4	62	23.0	60	24.9	4.5	1	1	2	32	**105.42**	101.11
	21	J&T LYNN	209	H	TW	3/4/97	93	218	125	0.89	16.7	59.8	10.0	62	22.2	58	25.0	4.8	2	1	1	36	**105.07**	100.77
	38	GERMANN	713	H	S	2/17/97	125	248	123	0.88	21.9	47.6	11.8	60	24.9	56	27.1	3.9	3	1.5	1	36	**104.09**	99.84
	12	ERK BROS.	7799	H	S	4/12/97	102	214	112	0.80	26.0	50.6	13.2	60	24.9	56	27.8	4.1	3	1	1	30	**103.95**	99.70
	18	J&T LYNN	185	H	TW	2/17/97	108	214	106	0.76	23.3	55.8	13.0	60	24.2	56	26.7	4.6	1	3	1	35	**103.40**	99.17
	23	MATT BENZ	1517	P	TW	1/19/97	163	263	100	0.71	26.5	51.5	13.7	60	24.3	56	26.6	4.2	1	1	1	37	**102.57**	98.38
	39	ANDERSON FAM.	401	H	S	12/1/97	140	230	90	0.64	24.2	53.9	13.4	58	25.9	56	26.8	4.5	1	1	2	38	**101.86**	97.70
	28	L. CHAPMAN	B-547	H	TW	3/20/97	86	196	110	0.79	18.6	51.6	9.6	58	26.2	60	24.8	3.6	2	3	1	39	**97.40**	93.42
	13	ERK BROS.	7859	P	TW	4/16/97	100	192	92	0.66	18.1	59.1	10.7	64	21.7	62	23.1	4.4	1.5	1	1	29	**97.29**	93.31
	3	P. NOESKE	452	P	TW	4/7/97	142	246	104	0.74	26.5	43.4	11.5	54	28.6	50	29.4	3.7	1	1.3	1	38	**97.24**	93.27
	26	L. CHAPMAN	390	H	S	3/16/97	93	208	115	0.82	19.1	55.1	9.3	62	22.6	60	24.2	3.6	2.5	3	1	37	**94.92**	91.04
	1	WOOLY ACRES	993	P	S	3/1/97	112	229	117	0.84	25.6	43.2	11.1	60	24.1	54	28.4	4.2	1	2.5	1	36	**94.44**	90.59
	29	L. CHAPMAN	B-566	P	TW	4/15/97	82	186	104	0.74	19.5	51.7	11.4	58	25.5	56	27.8	3.8	1	1	1	34	**93.31**	89.50
	31	VEIT	027	P	S	3/3/97	144	220	76	0.54	22.1	54.4	13.5	60	23.6	56	26.4	4.5	1	1.3	1	35	**92.62**	88.84
	37	GERMANN	711	P	S	2/15/97	128	236	108	0.77	20.5	53.4	9.7	60	24.9	56	27.4	4.8	1.8	1	2	38	**92.05**	88.28
	32	VEIT	030	H	S	3/4/97	127	229	102	0.73	18.1	61.0	10.0	56	26.9	56	27.8	4.1	1.5	1	1	33	**91.85**	88.10
	14	JOHN BODE	205	S	TW	2/20/97	134	236	102	0.73	21.9	52.0	11.4	60	24.8	54	28.4	4.2	2	1	1	34	**91.03**	87.31
	10	ERK BROS.	7683	P	S	4/2/97	97	183	86	0.61	20.0	50.9	10.2	62	22.9	60	24.8	5.1	3	1	1	30	**90.64**	86.93
	8	CIRCLE CROSS	1706	P	S	5/23/97	90	193	103	0.74	20.0	45.7	9.1	56	27.8	56	27.4	3.5	3	1	1	35	**89.62**	85.96
	7	CIRCLE CROSS	1685	P	S	5/3/97	102	176	74	0.53	25.6	45.5	11.6	58	26.3	54	28.3	4.0	1.3	2	1	28	**83.39**	79.98
	35	SCHALESKY	0011	H	S	3/29/97	121	236	115	0.82	16.7	51.4	8.4	60	24.8	54	29.6	4.2	1	1	1	34	**81.82**	78.48
	24	L. CHAPMAN	4611	P	S	3/16/97	82	163	81	0.58	20.5	50.7	10.4	62	23.0	56	27.2	4.3	3	2.5	1	31	**79.93**	76.66
	25	L. CHAPMAN	387	H	TW	3/16/97	88	88	0	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	0	0	**0.00**	0.00
Averages							**115**	**227**	**112**	**0.8**	**22.9**	**53.01**	**12.16**	**60**	**24.9**	**56**	**27.0**	**4.3**	**2**	**1**	**1**	**34**	**104.26**	**100.00**

Table 2. (cont.) 1997-98 Dakota Performance Ram Test Summary
Sorted by Index

COLUMBIA																					
103 H. OSBORNE	5563	P			110	244	134	0.96	31.2	47.8	17.5	54	28.4	50	29.9	4.6	1.8	1	1	40	**135.79**	129.85
102 D. OSBORNE	222	P			116	232	116	0.83	24.7	49.0	12.7	50	30.2	50	30.7	4.2	2.5	1	1	36	**109.99**	105.18
105 HETTINGER	7-626	P	TW	5/6/97	101	216	115	0.82	23.7	56.0	13.2	50	29.8	48	32.6	4.9	1.3	1	1	35	**108.60**	103.84
104 HETTINGER	7-655	P	S	5/14/97	99	213	114	0.81	19.1	51.4	9.8	58	26.2	58	25.8	4.4	1	1	2	34	**100.80**	96.38
101 NDSU	7266	P			114	228	114	0.81	20.9	44.4	10.0	50	30.2	48	32.2	3.7	1.8	1	1	33	**92.53**	88.47
100 NDSU	7151	P			125	202	77	0.55	18.6	61.0	9.1	56	27.2	54	28.6	4.9	1	1	2	29	**79.74**	76.25
Averages					**111**	**223**	**112**	**0.80**	**23.0**	**51.6**	**12.1**	**54**	**28.7**	**50**	**30.0**	**4.4**	**1.6**	**1**	**1.3**	**35**	**104.60**	**100.00**
CORRIEDALE																					
201 JIM CROUCH	217	P	S	1/30/97	131	254	123	0.88	17.2	63.0	10.8	50	31.0	46	33.3	4.9	1	1	1	36	**103.90**	104.03
200 M&M LVSTK	98	P	TW	5/2/97	120	230	110	0.79	20.5	60.9	12.7	54	28.2	46	32.9	3.9	1	1	1	35	**95.85**	95.97
Averages					**126**	**242**	**117**	**0.83**	**18.8**	**62.0**	**11.8**	**50**	**29.6**	**46**	**33.1**	**4.4**	**1**	**1**	**1**	**35**	**99.88**	**100.00**
MERINO																					
300 SCHALESKY	0003	H	S	3/18/97	92	165	73	0.52	20.5	53.5	11.0	70	20.1	64	21.9	5.3	1	2.5	1	31	**97.60**	100.0
Averages					**92**	**165**	**73**	**0.52**	**20.5**	**53.5**	**11.0**	**70**	**20.1**	**64**	**21.9**	**5.3**	**1**	**2.5**	**1**	**31**	**97.60**	**100.00**
POLYPAY																					
400 PRAIRIE ROSE	7049	P	TW	3/13/97	100	204	104	0.74	15.8	74.3	10.4	50	30.9	44	36.1	5.5	1	1	1	36	**89.33**	123.86
401 PRAIRIE ROSE	7093	P	TW	3/19/97	94	177	83	0.59	11.6	57.8	6.7	56	27.4	46	34.0	3.8	1	1	1	31	**54.90**	76.12
Averages					**97**	**191**	**94**	**0.67**	**13.7**	**66.1**	**8.6**	**54**	**29.2**	**44**	**35.1**	**4.7**	**1**	**1**	**1**	**34**	**72.12**	**100.00**

Table 3. 1997-98 Dakota Performance Ram Test Summary
Sorted by Clean Fleece

T	ID	Producer	FID	H/P	BT	BIRTH DATE	B WT	F WT	GAIN	ADG	GR 365-d	YIELD CWFP	CL FL 365-d	SIDE GRADE	SIDE AFD	BRITCH GRADE	BRITCH AFD	STL ADJ	FS	BSF	BW	Sc Cir	Index	CL FL Ratio
Rambouillets																								
	4	P. NOESKE	488	P	TW	4/17/97	138	266	128	0.91	33.5	51.9	**17.4**	58	26.1	54	28.1	4.5	3	2	1	37	131.32	**142.93**
	40	ANDERSON FAM.	490	P	S	4/00/97	111	261	150	1.07	27.9	55.4	**16.5**	62	23.3	60	24.6	4.4	1	1	1	41	140.69	**135.63**
	30	VEIT	016	H	TW	2/17/97	140	271	131	0.94	30.2	58.2	**16.4**	60	24.8	56	27.8	5.3	1	1.5	1	37	129.67	**135.25**
	36	D. BENZ	780	S	TW	1/28/97	111	237	126	0.90	29.8	50.3	**15.9**	58	25.4	54	28.2	5.2	2.3	1	1	33	125.46	**130.72**
	2	WOOLY ACRES	1013	P	S	3/13/97	114	217	103	0.74	25.6	55.9	**14.3**	58	25.7	58	28.1	4.9	1.3	1	1	33	109.12	**117.60**
	41	ANDERSON FAM.	479	H	S	1/00/97	125	240	115	0.82	23.3	59.1	**14.0**	56	27.0	54	28.0	4.7	1	1	2	39	115.56	**115.32**
	11	ERK BROS.	7712	P	S	4/6/97	99	214	115	0.82	23.7	58.7	**13.9**	58	25.9	50	30.5	4.9	1.5	1	1	35	107.26	**114.51**
	23	MATT BENZ	1517	P	TW	1/19/97	163	263	100	0.71	26.5	51.5	**13.7**	60	24.3	56	26.6	4.2	1	1	1	37	102.57	**112.28**
	19	J&T LYNN	190	H	TW	3/4/97	94	210	116	0.83	23.3	58.5	**13.6**	62	22.8	60	24.2	4.9	1	1	1	33	117.64	**111.88**
	31	VEIT	027	P	S	3/3/97	144	220	76	0.54	22.1	54.4	**13.5**	60	23.6	56	26.4	4.5	1	1.3	1	35	92.62	**110.83**
	39	ANDERSON FAM.	401	H	S	12/1/97	140	230	90	0.64	24.2	53.9	**13.4**	58	25.9	56	26.8	4.5	1	1	2	38	101.86	**110.19**
	12	ERK BROS.	7799	H	S	4/12/97	102	214	112	0.80	26.0	50.6	**13.2**	60	24.9	56	27.8	4.1	3	1	1	30	103.95	**108.38**
	34	COOK	4096	H	TW	3/15/97	138	251	113	0.81	25.6	51.3	**13.1**	54	28.3	54	29.1	4.3	1.5	1	1	36	110.24	**108.13**
	5	CIRCLE CROSS	1566	P	S	3/25/97	118	244	126	0.90	23.3	55.9	**13.0**	56	26.5	54	28.4	4.4	1.3	1	1	35	112.83	**106.91**
	18	J&T LYNN	185	H	TW	2/17/97	108	214	106	0.76	23.3	55.8	**13.0**	60	24.2	56	26.7	4.6	1	3	1	35	103.40	**106.72**
	9	K&M HAGBOM	299	P	S	4/2/97	129	243	114	0.81	22.8	56.1	**12.8**	60	23.7	60	24.7	4.9	1.5	1	1	34	112.18	**105.14**
	22	MATT BENZ	1513	P	TW	1/19/97	154	272	118	0.84	24.7	51.4	**12.7**	56	26.8	56	27.7	3.9	2	1.5	1	32	108.75	**104.20**
	20	J&T LYNN	191	H	TW	2/25/97	106	224	118	0.84	24.2	51.9	**12.6**	58	25.6	56	27.7	4.7	1	1.3	1	34	108.21	**103.23**
	42	ANDERSON FAM.	492	H	S	4/00/97	80	202	122	0.87	20.0	60.3	**12.2**	58	25.6	54	28.3	4.3	1.3	1.5	1	38	105.55	**100.33**
	15	RM MERTZ	290		TW	3/14/97	103	216	113	0.81	25.6	47.5	**12.2**	62	23.3	58	25.1	4.8	2	1	1	33	107.68	**99.93**
	33	COOK	4073	H	TW	3/4/97	125	245	120	0.86	23.3	55.0	**11.9**	60	24.1	58	25.6	5.4	1	1	1	36	111.01	**98.11**
	38	GERMANN	713	H	S	2/17/97	125	248	123	0.88	21.9	47.6	**11.8**	60	24.9	56	27.1	3.9	3	1.5	1	36	104.09	**96.90**
	7	CIRCLE CROSS	1685	P	S	5/3/97	102	176	74	0.53	25.6	45.5	**11.6**	58	26.3	54	28.3	4.0	1.3	2	1	28	83.39	**95.72**
	3	P. NOESKE	452	P	TW	4/7/97	142	246	104	0.74	26.5	43.4	**11.5**	54	28.6	50	29.4	3.7	1	1.3	1	38	97.24	**94.62**
	27	L. CHAPMAN	398	P	S	4/2/97	114	253	139	0.99	22.1	48.7	**11.4**	60	24.4	56	26.7	4.6	1	1	1	36	111.73	**93.75**
	29	L. CHAPMAN	B-566	P	TW	4/15/97	82	186	104	0.74	19.5	51.7	**11.4**	58	25.5	56	27.8	3.8	1	1	1	34	93.31	**93.50**
	14	JOHN BODE	205	S	TW	2/20/97	134	236	102	0.73	21.9	52.0	**11.4**	60	24.8	54	28.4	4.2	2	1	1	34	91.03	**93.48**
	16	RM MERTZ	340		S	5/4/97	106	233	127	0.91	20.9	54.0	**11.3**	62	22.5	60	24.5	4.1	1.5	1	1	28	109.62	**92.95**
	1	WOOLY ACRES	993	P	S	3/1/97	112	229	117	0.84	25.6	43.2	**11.1**	60	24.1	54	28.4	4.2	1	2.5	1	36	94.44	**90.88**
	13	ERK BROS.	7859	P	TW	4/16/97	100	192	92	0.66	18.1	59.1	**10.7**	64	21.7	62	23.1	4.4	1.5	1	1	29	97.29	**88.16**
	17	RM MERTZ	345		TW	5/15/97	90	215	125	0.89	19.5	53.3	**10.4**	62	23.0	60	24.9	4.5	1	1	2	32	105.42	**85.63**
	24	L. CHAPMAN	4611	P	S	3/16/97	82	163	81	0.58	20.5	50.7	**10.4**	62	23.0	56	27.2	4.3	3	2.5	1	31	79.93	**85.33**
	10	ERK BROS.	7683	P	S	4/2/97	97	183	86	0.61	20.0	50.9	**10.2**	62	22.9	60	24.8	5.1	3	1	1	30	90.64	**83.72**
	6	CIRCLE CROSS	1597	P	S	3/28/97	129	272	143	1.02	19.5	51.6	**10.1**	60	24.8	56	27.8	4.6	1	1	1	36	106.42	**82.89**
	21	J&T LYNN	209	H	TW	3/4/97	93	218	125	0.89	16.7	59.8	**10.0**	62	22.2	58	25.0	4.8	2	1	1	36	105.07	**82.34**
	32	VEIT	030	H	S	3/4/97	127	229	102	0.73	18.1	61.0	**10.0**	56	26.9	56	27.8	4.1	1.5	1	1	33	91.85	**82.05**
	37	GERMANN	711	P	S	2/15/97	128	236	108	0.77	20.5	53.4	**9.7**	60	24.9	56	27.4	4.8	1.8	1	2	38	92.05	**80.11**
	28	L. CHAPMAN	B-547	H	TW	3/20/97	86	196	110	0.79	18.6	51.6	**9.6**	58	26.2	60	24.8	3.6	2	3	1	39	97.40	**79.10**
	26	L. CHAPMAN	390	H	S	3/16/97	93	208	115	0.82	19.1	55.1	**9.3**	62	22.6	60	24.2	3.6	2.5	3	1	37	94.92	**76.37**
	8	CIRCLE CROSS	1706	P	S	5/23/97	90	193	103	0.74	20.0	45.7	**9.1**	56	27.8	56	27.4	3.5	3	1	1	35	89.62	**75.16**
	35	SCHALESKY	0011	H	S	3/29/97	121	236	115	0.82	16.7	51.4	**8.4**	60	24.8	54	29.6	4.2	1	1	1	34	81.82	**69.26**
	25	L. CHAPMAN	387	H	TW	3/16/97	88	88	0	0.00	0.0	0.0	**0.0**	0	0.0	0	0	0.0	0	0	0	0	0.00	**0.00**
Averages							**115**	**227**	**112**	**0.80**	**22.9**	**53.01**	**12.16**	**60**	**24.9**	**56**	**27.0**	**4.3**	**1.6**	**1.3**	**1.1**	**34**	**104.26**	**100.00**

Table 3. (cont.) 1997-98 Dakota Performance Ram Test Summary
Sorted by Clean Fleece

T ID	Producer	FID	H/P	BT	BIRTH DATE	B WT	F WT	GAIN	ADG	GR 365-d	YIELD CWFP	CL FL 365-d	SIDE GRADE	SIDE AFD	BRITCH GRADE	BRITCH AFD	STL ADJ	STL FS	BSF	BW	Sc Clr	Index	CL FL Ratio
	COLUMBIA																						
103	H. OSBORNE	5563	P			110	244	134	0.96	31.2	47.8	**17.5**	54	28.4	50	29.9	4.6	1.8	1	1	40	135.79	**144.22**
105	HETTINGER	7-626	P	TW	5/6/97	101	216	115	0.82	23.7	56.0	**13.2**	50	29.8	48	32.6	4.9	1.3	1	1	35	108.60	**109.09**
102	D. OSBORNE	222	P			116	232	116	0.83	24.7	49.0	**12.7**	50	30.2	50	30.7	4.2	2.5	1	1	36	109.99	**104.72**
101	NDSU	7266	P			114	228	114	0.81	20.9	44.4	**10.0**	50	30.2	48	32.2	3.7	1.8	1	1	33	92.53	**82.68**
104	HETTINGER	7-655	P	S	5/14/97	99	213	114	0.81	19.1	51.4	**9.8**	58	26.2	58	25.8	4.4	1	1	2	34	100.80	**81.32**
100	NDSU	7151	P			125	202	77	0.55	18.6	61.0	**9.1**	56	27.2	54	28.6	4.9	1	1	2	29	79.74	**75.34**
Averages						**111**	**223**	**112**	**0.80**	**23.0**	**51.6**	**12.1**	**54**	**28.7**	**50**	**30.0**	**4.4**	**1.6**	**1**	**1.3**	**35**	**104.60**	**100.00**
	CORRIEDALE																						
200	M&M LVSTK	98	P	TW	5/2/97	120	230	110	0.79	20.5	60.9	**12.7**	54	28.2	46	32.9	3.9	1.0	1	1	35	95.85	**107.44**
201	JIM CROUCH	217	P	S	1/30/97	131	254	123	0.88	17.2	63.0	**10.8**	50	31.0	46	33.3	4.9	1.0	1	1	36	103.90	**91.53**
Averages						**126**	**242**	**117**	**0.83**	**18.8**	**62.0**	**11.8**	**50**	**29.6**	**46**	**33.1**	**4.4**	**1.0**	**1.0**	**1.0**	**35**	**99.88**	**100.00**
	MERINO																						
300	SCHALESKY	0003	H	S	3/18/97	92	165	73	0.52	20.5	53.5	**11.0**	70	20.1	64	21.9	5.3	1.0	2.5	1	31	97.60	**100.00**
Averages						**92**	**165**	**73**	**0.52**	**20.5**	**53.5**	**11.0**	**70**	**20.1**	**64**	**21.9**	**5.3**	**1.0**	**2.5**	**1.0**	**31**	**97.60**	**100.00**
	POLYPAY																						
400	PRAIRIE ROSE	7049	P	TW	3/13/97	100	204	104	0.74	15.8	74.3	**10.4**	50	30.9	44	36.1	5.5	1.0	1	1	36	89.33	**121.45**
401	PRAIRIE ROSE	7093	P	TW	3/19/97	94	177	83	0.59	11.6	57.8	**6.7**	56	27.4	46	34.0	3.8	1.0	1	1	31	54.90	**77.91**
Averages						**97**	**191**	**94**	**0.67**	**13.7**	**66.1**	**8.6**	**54**	**29.2**	**44**	**35.1**	**4.7**	**1.0**	**1.0**	**1.0**	**34**	**72.12**	**100.00**

Table 4. 1997-98 Dakota Performance Ram Test Summary
Sorted by Average Daily Gain

T	ID	Producer	FID	H/P	BT	B DATE	B Wt	F Wt	GAIN	ADG	GR 365-d	YIELD CWFP	CL FL 365-d	SIDE GRADE	AFD	BRITCH GRADE	AFD	STL ADJ	FS	BSF	BW	Sc Cir	Index	ADG Ratio
Rambouillets																								
	40	ANDERSON FAM.	490	P	S	4/00/97	111	261	150	**1.07**	27.9	55.4	16.5	62	23.3	60	24.6	4.4	1	1	1	41	140.69	**133.93**
	6	CIRCLE CROSS	1597	P	S	3/28/97	129	272	143	**1.02**	19.5	51.6	10.1	60	24.8	56	27.8	4.6	1	1	1	36	106.42	**127.68**
	27	L. CHAPMAN	398	P	S	4/2/97	114	253	139	**0.99**	22.1	48.7	11.4	60	24.4	56	26.7	4.6	1	1	1	36	111.73	**124.11**
	30	VEIT	016	H	TW	2/17/97	140	271	131	**0.94**	30.2	58.2	16.4	60	24.8	56	27.8	5.3	1	1.5	1	37	129.67	**116.96**
	4	P. NOESKE	488	P	TW	4/17/97	138	266	128	**0.91**	33.5	51.9	17.4	58	26.1	54	28.1	4.5	3	2	1	37	131.32	**114.29**
	16	RM MERTZ	340		S	5/4/97	106	233	127	**0.91**	20.9	54.0	11.3	62	22.5	60	24.5	4.1	1.5	1	1	28	109.62	**113.39**
	36	D. BENZ	780	S	TW	1/28/97	111	237	126	**0.90**	29.8	50.3	15.9	58	25.4	54	28.2	5.2	2.3	1	1	33	125.46	**112.50**
	5	CIRCLE CROSS	1566	P	S	3/25/97	118	244	126	**0.90**	23.3	55.9	13.0	56	26.5	54	28.4	4.4	1.3	1	1	35	112.83	**112.50**
	17	RM MERTZ	345		TW	5/15/97	90	215	125	**0.89**	19.5	53.3	10.4	62	23.0	60	24.9	4.5	1	1	2	32	105.42	**111.61**
	21	J&T LYNN	209	H	TW	3/4/97	93	218	125	**0.89**	16.7	59.8	10.0	62	22.2	58	25.0	4.8	2	1	1	36	105.07	**111.61**
	38	GERMANN	713	H	S	2/17/97	125	248	123	**0.88**	21.9	47.6	11.8	60	24.9	56	27.1	3.9	3	1.5	1	36	104.09	**109.82**
	42	ANDERSON FAM.	492	H	S	4/00/97	80	202	122	**0.87**	20.0	60.3	12.2	58	25.6	54	28.3	4.3	1.3	1.5	1	38	105.55	**108.93**
	33	COOK	4073	H	TW	3/4/97	125	245	120	**0.86**	23.3	55.0	11.9	60	24.1	58	25.6	5.4	1	1	1	36	111.01	**107.14**
	22	MATT BENZ	1513	P	TW	1/19/97	154	272	118	**0.84**	24.7	51.4	12.7	56	26.8	56	27.7	3.9	2	1.5	1	32	108.75	**105.36**
	20	J&T LYNN	191	H	TW	2/25/97	106	224	118	**0.84**	24.2	51.9	12.6	58	25.6	56	27.7	4.7	1	1.3	1	34	108.21	**105.36**
	1	WOOLY ACRES	993	P	S	3/1/97	112	229	117	**0.84**	25.6	43.2	11.1	60	24.1	54	28.4	4.2	1	2.5	1	36	94.44	**104.46**
	19	J&T LYNN	190	H	TW	3/4/97	94	210	116	**0.83**	23.3	58.5	13.6	62	22.8	60	24.2	4.9	1	1	1	33	117.64	**103.57**
	41	ANDERSON FAM.	479	H	S	1/00/97	125	240	115	**0.82**	23.3	59.1	14.0	56	27.0	54	28.0	4.7	1	1	2	39	115.56	**102.68**
	11	ERK BROS.	7712	P	S	4/6/97	99	214	115	**0.82**	23.7	58.7	13.9	58	25.9	50	30.5	4.9	1.5	1	1	35	107.26	**102.68**
	26	L. CHAPMAN	390	H	S	3/16/97	93	208	115	**0.82**	19.1	55.1	9.3	62	22.6	60	24.2	3.6	2.5	3	1	37	94.92	**102.68**
	35	SCHALESKY	0011	H	S	3/29/97	121	236	115	**0.82**	16.7	51.4	8.4	60	24.8	54	29.6	4.2	1	1	1	34	81.82	**102.68**
	9	K&M HAGBOM	299	P	S	4/2/97	129	243	114	**0.81**	22.8	56.1	12.8	60	23.7	60	24.7	4.9	1.5	1	1	34	112.18	**101.79**
	34	COOK	4096	H	TW	3/15/97	138	251	113	**0.81**	25.6	51.3	13.1	54	28.3	54	29.1	4.3	1.5	1	1	36	110.24	**100.89**
	15	RM MERTZ	290		TW	3/14/97	103	216	113	**0.81**	25.6	47.5	12.2	62	23.3	58	25.1	4.8	2	1	1	33	107.68	**100.89**
	12	ERK BROS.	7799	H	S	4/12/97	102	214	112	**0.80**	26.0	50.6	13.2	60	24.9	56	27.8	4.1	3	1	1	30	103.95	**100.00**
	28	L. CHAPMAN	B-547	H	TW	3/20/97	86	196	110	**0.79**	18.6	51.6	9.6	58	26.2	60	24.8	3.6	2	3	1	39	97.40	**98.21**
	37	GERMANN	711	P	S	2/15/97	128	236	108	**0.77**	20.5	53.4	9.7	60	24.9	56	27.4	4.8	1.8	1	2	38	92.05	**96.43**
	18	J&T LYNN	185	H	TW	2/17/97	108	214	106	**0.76**	23.3	55.8	13.0	60	24.2	56	26.7	4.6	1	3	1	35	103.40	**94.64**
	3	P. NOESKE	452	P	TW	4/7/97	142	246	104	**0.74**	26.5	43.4	11.5	54	28.6	50	29.4	3.7	1	1.3	1	38	97.24	**92.86**
	29	L. CHAPMAN	B-566	P	TW	4/15/97	82	186	104	**0.74**	19.5	51.7	11.4	58	25.5	56	27.8	3.8	1	1	1	34	93.31	**92.86**
	2	WOOLY ACRES	1013	P	S	3/13/97	114	217	103	**0.74**	25.6	55.9	14.3	58	25.7	58	28.1	4.9	1.3	1	1	33	109.12	**91.96**
	8	CIRCLE CROSS	1706	P	S	5/23/97	90	193	103	**0.74**	20.0	45.7	9.1	56	27.8	56	27.4	3.5	3	1	1	35	89.62	**91.96**
	32	VEIT	030	H	S	3/4/97	127	229	102	**0.73**	18.1	61.0	10.0	56	26.9	56	27.8	4.1	1.5	1	1	33	91.85	**91.07**
	14	JOHN BODE	205	S	TW	2/20/97	134	236	102	**0.73**	21.9	52.0	11.4	60	24.8	54	28.4	4.2	2	1	1	34	91.03	**91.07**
	23	MATT BENZ	1517	P	TW	1/19/97	163	263	100	**0.71**	26.5	51.5	13.7	60	24.3	56	26.6	4.2	1	1	1	37	102.57	**89.29**
	13	ERK BROS.	7859	P	TW	4/16/97	100	192	92	**0.66**	18.1	59.1	10.7	64	21.7	62	23.1	4.4	1.5	1	1	29	97.29	**82.14**
	39	ANDERSON FAM.	401	H	S	12/1/97	140	230	90	**0.64**	24.2	53.9	13.4	58	25.9	56	26.8	4.5	1	1	2	38	101.86	**80.36**
	10	ERK BROS.	7683	P	S	4/2/97	97	183	86	**0.61**	20.0	50.9	10.2	62	22.9	60	24.8	5.1	3	1	1	30	90.64	**76.79**
	24	L. CHAPMAN	4611	P	S	3/16/97	82	163	81	**0.58**	20.5	50.7	10.4	62	23.0	56	27.2	4.3	3	2.5	1	31	79.93	**72.32**
	31	VEIT	027	P	S	3/3/97	144	220	76	**0.54**	22.1	54.4	13.5	60	23.6	56	26.4	4.5	1	1.3	1	35	92.62	**67.86**
	7	CIRCLE CROSS	1685	P	S	5/3/97	102	176	74	**0.53**	25.6	45.5	11.6	58	26.3	54	28.3	4.0	1.3	2	1	28	83.39	**66.07**
	25	L. CHAPMAN	387	H	TW	3/16/97	88	88	0	**0.00**	0.0	0.0	0.0	0	0.0	0	0	0.0	0	0	0	0	0.00	**0.00**
Averages							**115**	**227**	**112**	**0.80**	**22.9**	**53.01**	**12.16**	**60**	**24.9**	**56**	**27.0**	**4.3**	**1.6**	**1.3**	**1.1**	**34**	**104.26**	**100.00**

Table 4. (cont.) 1997-98 Dakota Performance Ram Test Summary
Sorted by Average Daily Gain

T	ID	Producer	FID	H/P	BT	B DATE	B Wt	F Wt	GAIN	ADG	GR 365-d	YIELD CWFP	CL FL SIDE 365-d	GRADE	AFD	BRITCH GRADE	AFD	STL ADJ	FS	BSF	BW	Sc Cir	Index	ADG Ratio
		COLUMBIA																						
103		H. OSBORNE	5563	P			110	244	134	**0.96**	31.2	47.8	17.5	54	28.4	50	29.9	4.6	1.8	1	1	40	135.79	**119.64**
102		D. OSBORNE	222	P			116	232	116	**0.83**	24.7	49.0	12.7	50	30.2	50	30.7	4.2	2.5	1	1	36	109.99	**103.57**
105		HETTINGER	7-626	P	TW	5/6/97	101	216	115	**0.82**	23.7	56.0	13.2	50	29.8	48	32.6	4.9	1.3	1	1	35	108.60	**102.68**
104		HETTINGER	7-655	P	S	5/14/97	99	213	114	**0.81**	19.1	51.4	9.8	58	26.2	58	25.8	4.4	1	1	2	34	100.80	**101.79**
101		NDSU	7266	P			114	228	114	**0.81**	20.9	44.4	10.0	50	30.2	48	32.2	3.7	1.8	1	1	33	92.53	**101.79**
100		NDSU	7151	P			125	202	77	**0.55**	18.6	61.0	9.1	56	27.2	54	28.6	4.9	1	1	2	29	79.74	**68.75**
Averages							**111**	**223**	**112**	**0.80**	**23.0**	**51.6**	**12.1**	**54**	**28.7**	**50**	**30.0**	**4.4**	**1.6**	**1**	**1.3**	**35**	**104.60**	**100.00**
		CORRIEDALE																						
201		JIM CROUCH	217	P	S	1/30/97	131	254	123	**0.88**	17.2	63.0	10.8	50	31.0	46	33.3	4.9	1.0	1	1	36	103.90	**105.85**
200		M&M LVSTK	98	P	TW	5/2/97	120	230	110	**0.79**	20.5	60.9	12.7	54	28.2	46	32.9	3.9	1.0	1	1	35	95.85	**94.66**
Averages							**126**	**242**	**117**	**0.83**	**18.8**	**62.0**	**11.8**	**50**	**29.6**	**46**	**33.1**	**4.4**	**1.0**	**1.0**	**1.0**	**35**	**99.88**	**100.00**
		MERINO																						
300		SCHALESKY	0003	H	S	3/18/97	92	165	73	**0.52**	20.5	53.5	11.0	70	20.1	64	21.9	5.3	1.0	2.5	1	31	97.60	**100.00**
Averages							**92**	**165**	**73**	**0.52**	**20.5**	**53.5**	**11.0**	**70**	**20.1**	**64**	**21.9**	**5.3**	**1.0**	**2.5**	**1.0**	**31**	**97.60**	**100.00**
		POLYPAY																						
400		PRAIRIE ROSE	7049	P	TW	3/13/97	100	204	104	**0.74**	15.8	74.3	10.4	50	30.9	44	36.1	5.5	1.0	1	1	36	89.33	**110.87**
401		PRAIRIE ROSE	7093	P	TW	3/19/97	94	177	83	**0.59**	11.6	57.8	6.7	56	27.4	46	34.0	3.8	1.0	1	1	31	54.90	**88.49**
Averages							**97**	**191**	**94**	**0.67**	**13.7**	**66.1**	**8.6**	**54**	**29.2**	**44**	**35.1**	**4.7**	**1.0**	**1.0**	**1.0**	**34**	**72.12**	**100.00**

Table 5. 1998-99 Dakota Performance Ram Test Summary
Sorted by Carcass Merit

T ID	Producer	F ID	H/P	BT	B Date	INITAL Wt	FINAL Wt	TEST Gain	ADG	INITIAL REA	FD (in)	FINAL REA	FD (in)	REA (sq in) PER CWT
Rambouillets														
9	COOK SISTERS	4148	H	TW	2/19/98	133	276	143	1.03	2.6	0.24	**4.2**	0.39	1.52
13	CHAPMAN, LENARD	585	P	S	3/21/98	119	239	120	0.86	3.3	0.16	**4.2**	0.24	1.76
16	CHAPMAN, LENARD	886	P	S	3/19/98	117	255	138	0.99	2.2	0.20	**4.2**	0.31	1.65
17	CHAPMAN, LENARD	4697	H	S	4/10/98	104	234	130	0.94	2.1	0.16	**3.9**	0.43	1.67
20	ANDERSON, BURTON	570	P	TW	3/3/98	136	261	125	0.90	2.7	0.20	**3.9**	0.35	1.49
5	GUPMAN, JOHN	1065	P	S	2/14/98	124	242	118	0.85	1.8	0.12	**3.8**	0.31	1.57
12	CHAPMAN, LENARD	4695	H	S	4/8/98	85	209	124	0.89	2.3	0.12	**3.7**	0.24	1.77
15	CHAPMAN, LENARD	579	P	S	3/20/98	107	244	137	0.99	1.9	0.20	**3.7**	0.35	1.52
6	GUPMAN, JOHN	1092	P	S	2/21/98	134	283	149	1.07	2.8	0.20	**3.6**	0.39	1.27
18	CHAPMAN, LENARD	577	P	S	3/19/98	107	231	124	0.89	2.0	0.16	**3.6**	0.35	1.56
11	BENZ, DARRELL	921	P	S	3/18/98	150	272	122	0.88	3.0	0.24	**3.5**	0.35	1.29
22	ERK BROTHERS	22	P	TW	4/19/98	79	166	87	0.63	1.5	0.08	**3.5**	0.31	2.11
2	GUPMAN, JOHN	1042	P	S	2/21/98	133	246	113	0.81	2.8	0.20	**3.4**	0.37	1.38
7	COOK SISTERS	4165	H	TW	2/24/98	129	273	144	1.04	2.0	0.20	**3.4**	0.31	1.25
8	COOK SISTERS	4199	H	TW	2/19/98	133	267	134	0.96	1.9	0.20	**3.3**	0.35	1.24
4	GUPMAN, JOHN	1077	P	S	2/21/98	144	260	116	0.83	2.4	0.16	**3.2**	0.47	1.23
10	BENZ, JUSTIN	1721	P	TW	3/7/98	123	253	130	0.94	2.3	0.24	**3.2**	0.35	1.26
21	ERK BROTHERS	8002	P	S	4/10/98	93	210	117	0.84	2.0	0.08	**3.0**	0.31	1.43
1	HETZEL, BEN	1053	P	S	2/11/98	160	297	137	0.99	2.4	0.20	**2.9**	0.55	0.98
3	GUPMAN, JOHN	OUT												
19	ANDERSON, BURTON	OUT												
	AVERAGE					**122**	**248**	**127**	**0.91**	**2.3**	**0.16**	**3.6**	**0.35**	**1.46**
	COLUMBIA													
102	PETERSON, DOUG	8623	P	TW	3/10/98	157	239	82	0.59	3.2	0.31	**4.6**	0.35	1.92
101	HRC	8-0438	P	TW	1/21/98	152	253	101	0.73	3.0	0.16	**4.4**	0.35	1.74
104	PETERSON, DOUG	8647	P	TW	3/29/98	185	289	104	0.75	2.4	0.28	**4.4**	0.39	1.52
110	BREDAHL, GENE/SCOT	9804	P			158	283	125	0.90	2.6	0.20	**4.4**	0.35	1.55
105	OSBORNE, HAROLD	3932	P			114	223	109	0.78	2.4	0.20	**4.3**	0.28	1.93
108	WASSON, RUD	7583	P	TW	3/27/98	131	278	147	1.06	2.4	0.20	**3.7**	0.24	1.33
107	WASSON, RUD	7588	P	TW	3/30/98	116	258	142	1.02	2.2	0.12	**3.6**	0.31	1.40
106	OSBORNE, DON	2412	P			142	265	123	0.88	2.1	0.31	**3.4**	0.35	1.28
111	BREDAHL, GENE/SCOT	9800	P			136	252	116	0.83	2.7	0.16	**3.4**	0.31	1.35
100	HRC	OUT												
103	PETERSON, DOUG	OUT												
109	SDSU	OUT												
	AVERAGE					**142**	**263**	**121**	**0.84**	**2.4**	**0.21**	**4.0**	**0.32**	**1.50**
	TARGHEE													
203	LEWIS, H	53	P	TW	2/13/98	135	251	116	0.83	2.4	0.20	**4.3**	0.39	1.71
201	LEWIS, H	011-2	P	TW	5/13/98	94	213	119	0.86	2.0	0.16	**4.2**	0.35	1.97
202	LEWIS, H	36	P	TW	2/11/98	140	207	67	0.48	2.2	0.20	**3.4**	0.35	1.64
	AVERAGE					**123**	**224**	**101**	**0.72**	**2.3**	**0.16**	**4.0**	**0.36**	**1.77**
	CORRIEDALE													
301	CROUCH, JIM	253	P	TW	3/23/98	119	243	124	0.89	2.3	0.16	**4.0**	0.39	1.65
300	MEGALI, LORIS	8047	P			118	224	106	0.76	2.3	0.20	**3.4**	0.39	1.52
	AVERAGE					**118.5**	**234**	**115**	**0.83**	**2.3**	**0.16**	**3.4**	**0.39**	**1.46**
	TEST AVERAGE					**111**	**248**	**121**	**0.87**	**2.3**	**0.16**	**3.4**	**0.39**	**1.49**

Abbreviations:
TID=Test identification
FID=Flock identification
H/P=Horned or Polled
B Date=Birth date
ADG=Average daily gain
Fat Depth=External fat at 12-13th rib
REA (sq in.)/CWT=REA expressed per 100 pounds of Final Weight

**Weight measurements = pounds
Ribeye Area = square inches

Table 6. 1998-99 Dakota Performance Ram Test Summary
Sorted by Index

T ID	Producer	F ID	H/P	BT	B Date	B Wt	F Wt	Gain	ADG	GR 365-d	YIELD CWFP	CI FI 365-d	GRADE	SIDE AFD	GRADE	BRITCH AFD	STL 365-d	FS	BSF	BW	INDEX	INDEX Ratio	SCO CIR
Rambouillets																							
11	BENZ, DARRELL	921	P	S	3/18/98	150	272	122	0.88	23.3	63.9	14.9	62	23.2	62	23.2	5.2	1.3	1.0	1.0	**129.38**	114.90	34.0
1	HETZEL, BEN	1053	P	S	2/11/98	160	297	137	0.99	24.2	60.8	14.7	62	22.9	60	24.5	4.3	1.0	1.0	1.0	**128.47**	114.09	42.0
7	COOK SISTERS	4165	H	TW	2/24/98	129	273	144	1.04	20.9	59.6	12.5	62	22.8	60	23.9	4.5	2.5	1.0	2.7	**124.85**	110.88	38.0
9	COOK SISTERS	4148	H	TW	2/19/98	133	276	143	1.03	23.3	61.3	14.3	58	25.2	54	28.4	5.3	2.0	1.0	1.0	**122.99**	109.23	34.0
6	GUPMAN, JOHN	1092	P	S	2/21/98	134	283	149	1.07	23.7	56.2	13.3	54	28.5	50	30.0	4.1	1.5	2.8	1.0	**121.37**	107.79	43.0
10	BENZ, JUSTIN	1721	P	TW	3/7/98	123	253	130	0.94	25.1	58.3	14.6	56	26.9	50	29.6	5.4	1.0	1.0	1.0	**120.54**	107.06	36.5
16	CHAPMAN, LENARD	886	P	S	3/19/98	117	255	138	0.99	23.3	59.6	13.9	60	24.6	56	27.9	5.0	1.0	1.0	1.0	**119.10**	105.78	37.0
21	ERK BROTHERS	8002	P	S	4/10/98	93	210	117	0.84	20.5	62.5	12.8	64	21.5	60	24.4	5.1	1.0	1.0	1.5	**116.43**	103.40	35.0
17	CHAPMAN, LENARD	4697	H	S	4/10/98	104	234	130	0.94	24.7	57.9	14.3	58	25.5	56	27.8	4.4	2.0	2.0	1.0	**116.04**	103.05	33.0
13	CHAPMAN, LENARD	585	P	S	3/21/98	119	239	120	0.86	20.5	64.4	13.2	62	22.5	60	25.2	4.7	1.0	1.0	1.0	**114.94**	102.08	32.5
20	ANDERSON, BURTON	570	P	TW	3/3/98	136	261	125	0.90	21.4	65.5	14.0	54	28.5	48	32.2	5.5	2.5	2.0	1.0	**113.74**	101.01	36.0
15	CHAPMAN, LENARD	579	P	S	3/20/98	107	244	137	0.99	23.3	54.5	12.7	58	26.1	54	28.1	4.3	1.0	1.3	1.0	**113.05**	100.40	34.0
18	CHAPMAN, LENARD	577	P	S	3/19/98	107	231	124	0.89	20.9	63.2	13.2	58	26.4	54	28.8	4.8	2.0	1.8	1.0	**110.48**	98.12	33.0
8	COOK SISTERS	4199	H	TW	2/19/98	133	267	134	0.96	23.3	55.5	12.9	56	27.2	48	31.8	4.3	1.0	1.0	1.0	**106.18**	94.30	35.0
2	GUPMAN, JOHN	1042	P	S	2/21/98	133	246	113	0.81	23.7	54.9	13.0	60	24.5	56	26.8	4.5	1.0	1.0	1.0	**105.56**	93.75	35.0
12	CHAPMAN, LENARD	4695	H	S	4/8/98	85	209	124	0.89	19.1	60.0	11.4	58	26.2	50	29.4	4.4	1.0	1.0	1.0	**99.87**	88.70	33.0
5	GUPMAN, JOHN	1065	P	S	2/14/98	124	242	118	0.85	20.5	58.7	12.0	58	26.3	54	28.5	3.8	1.5	1.0	1.0	**99.87**	88.69	32.5
22	ERK BROTHERS	22	P	TW	4/19/98	79	166	87	0.63	15.3	62.4	9.6	64	21.9	62	23.1	4.5	2.0	1.5	1.0	**91.11**	80.91	28.0
4	GUPMAN, JOHN	1077	P	S	2/21/98	144	260	116	0.83	20.5	40.7	8.3	58	26.1	56	27.7	3.6	1.0	2.0	1.0	**84.67**	75.20	37.0
	AVERAGE					**122**	**248**	**127**	**0.91**	**22.0**	**58.9**	**12.9**	**58**	**25.1**	**56**	**27.4**	**4.6**	**1.4**	**1.3**	**1.1**	**112.56**	**100**	**35.0**
	COLUMBIA																						
107	WASSON, RUD	7588	P	TW	3/30/98	116	258	142	1.02	27.0	56.9	15.3	46	32.7	44	35.0	5.2	1.0	1.0	1.0	**128.82**	130.91	39.0
110	BREDAHL, GENE/SCOT	9804	P			158	283	125	0.90	23.3	57.6	13.4	48	32.4	46	33.3	4.9	1.5	1.0	1.0	**116.06**	117.95	35.0
108	WASSON, RUD	7583	P	TW	3/27/98	131	278	147	1.06	18.6	58.3	10.8	50	30.0	46	33.8	4.3	3.0	1.0	1.0	**105.55**	107.27	35.0
106	OSBORNE, DON	2412	P			142	265	123	0.88	20.5	51.5	10.5	50	29.0	50	30.0	4.8	1.0	1.0	1.0	**102.80**	104.47	36.0
105	OSBORNE, HAROLD	3932	P			114	223	109	0.78	20.9	59.0	12.3	50	29.7	46	33.9	4.9	1.5	1.0	1.0	**96.36**	97.92	41.0
111	BREDAHL, GENE/SCOT	9800	P			136	252	116	0.83	19.5	60.0	11.7	46	34.0	36	40.2	4.9	1.5	1.0	1.0	**92.23**	93.73	38.0
104	PETERSON, DOUG	8647	P	TW	3/29/98	185	289	104	0.75	16.3	63.4	10.3	50	30.4	46	33.8	4.3	1.0	1.0	2.0	**85.89**	87.29	40.0
101	HRC	8-0438	P	TW	1/21/98	152	253	101	0.73	20.0	48.9	9.8	44	34.9	36	38.6	3.8	1.0	1.0	1.0	**79.85**	81.15	34.0
102	PETERSON, DOUG	8623	P	TW	3/10/98	157	239	82	0.59	20.0	47.3	9.5	54	28.5	50	30.2	4.6	1.0	1.0	1.0	**78.30**	79.57	33.0
	AVERAGE					**143**	**260**	**117**	**0.84**	**20.7**	**55.9**	**11.5**	**48**	**31.3**	**46**	**34.3**	**4.6**	**1.4**	**1.0**	**1.1**	**98.43**	**100**	**36.0**
	TARGHEE																						
203	LEWIS, H	53	P	TW	2/13/98	135	251	116	0.83	19.5	55.2	10.8	62	23.1	58	25.2	4.3	1.0	1.0	2.0	**101.87**	112.24	35.5
201	LEWIS, H	011-2	P	TW	5/13/98	94	213	119	0.86	14.9	58.7	8.7	60	24.3	58	25.5	4.7	1.0	1.0	3.0	**95.09**	104.77	32.0
202	LEWIS, H	36	P	TW	2/11/98	140	207	67	0.48	21.9	51.2	11.2	50	29.9	48	31.8	3.8	1.0	1.8	1.0	**75.32**	82.99	29.5
	AVERAGE					**123**	**224**	**101**	**0.72**	**18.8**	**55.0**	**10.2**	**58**	**25.8**	**56**	**27.5**	**4.3**	**1.0**	**1.3**	**2.0**	**90.76**	**100**	**32.0**
	CORRIEDALE																						
301	CROUCH, JIM	253	P	TW	3/23/98	119	243	124	0.89	30.2	56.3	17.0	44	35.2	36	38.9	6.1	1.0	1.0	1.0	**127.90**	108.89	36.5
300	MEGALI, LORIS	8047	P			118	224	106	0.76	19.1	70.7	13.5	50	30.0	48	32.4	5.6	1.0	1.0	1.0	**107.02**	91.12	35.0
	AVERAGE					**119**	**234**	**115**	**0.83**	**24.7**	**63.5**	**15.3**	**48**	**32.6**	**44**	**35.7**	**5.9**	**1.0**	**1.0**	**1.0**	**117.46**	**100**	**35.0**
	TEST AVERAGE					**111**	**248**	**121**	**0.87**	**21.5**	**58.0**	**12.4**	**56**	**27.3**	**54**	**29.8**	**4.7**	**1.2**	**1.1**	**1.3**	**107.02**	**100**	**35.0**

Table 7. 1998-99 Dakota Performance Ram Test Summary
Sorted by Average Daily Gain

T ID	Producer	F ID	H/P	BT	B Date	B Wt	F Wt	Gain	ADG	GR 365-d	YIELD CWFP	CI FI 365-d	GRADE	SIDE AFD	GRADE	BRITCH AFD	STL 365-d	FS	BSF	BW	INDEX	INDEX Ratio	SCO CIR
Rambouillets																							
6	GUPMAN, JOHN	1092	P	S	2/21/98	134	283	149	1.07	23.7	56.2	13.3	54	28.5	50	30.0	4.1	1.5	2.8	1.0	121.37	107.79	43.0
7	COOK SISTERS	4165	H	TW	2/24/98	129	273	144	1.04	20.9	59.6	12.5	62	22.8	60	23.9	4.5	2.5	1.0	3.0	124.85	110.88	38.0
9	COOK SISTERS	4148	H	TW	2/19/98	133	276	143	1.03	23.3	61.3	14.3	58	25.2	54	28.4	5.3	2.0	1.0	1.0	122.99	109.23	34.0
16	CHAPMAN, LENARD	886	P	S	3/19/98	117	255	138	0.99	23.3	59.6	13.9	60	24.6	56	27.9	5.0	1.0	1.0	1.0	119.10	105.78	37.0
1	HETZEL, BEN	1053	P	S	2/11/98	160	297	137	0.99	24.2	60.8	14.7	62	22.9	60	24.5	4.3	1.0	1.0	1.0	128.47	114.09	42.0
15	CHAPMAN, LENARD	579	P	S	3/20/98	107	244	137	0.99	23.3	54.5	12.7	58	26.1	54	28.1	4.3	1.0	1.3	1.0	113.05	100.40	34.0
8	COOK SISTERS	4199	H	TW	2/19/98	133	267	134	0.96	23.3	55.5	12.9	56	27.2	48	31.8	4.3	1.0	1.0	1.0	106.18	94.30	35.0
10	BENZ, JUSTIN	1721	P	TW	3/7/98	123	253	130	0.94	25.1	58.3	14.6	56	26.9	50	29.6	5.4	1.0	1.0	1.0	120.54	107.06	36.5
17	CHAPMAN, LENARD	4697	H	S	4/10/98	104	234	130	0.94	24.7	57.9	14.3	58	25.5	56	27.8	4.4	2.0	2.0	1.0	116.04	103.05	33.0
20	ANDERSON, BURTON	570	P	TW	3/3/98	136	261	125	0.90	21.4	65.5	14.0	54	28.5	48	32.2	5.5	2.5	2.0	1.0	113.74	101.01	36.0
18	CHAPMAN, LENARD	577	P	S	3/19/98	107	231	124	0.89	20.9	63.2	13.2	58	26.4	54	28.8	4.8	2.0	1.8	1.0	110.48	98.12	33.0
12	CHAPMAN, LENARD	4695	H	S	4/8/98	85	209	124	0.89	19.1	60.0	11.4	58	26.2	50	29.4	4.4	1.0	1.0	1.0	99.87	88.70	33.0
11	BENZ, DARRELL	921	P	S	3/18/98	150	272	122	0.88	23.3	63.9	14.9	62	23.2	62	23.2	5.2	1.3	1.0	1.0	129.38	114.90	34.0
13	CHAPMAN, LENARD	585	P	S	3/21/98	119	239	120	0.86	20.5	64.4	13.2	62	22.5	60	25.2	4.7	1.0	1.0	1.0	114.94	102.08	32.5
5	GUPMAN, JOHN	1065	P	S	2/14/98	124	242	118	0.85	20.5	58.7	12.0	58	26.3	54	28.5	3.8	1.5	1.0	1.0	99.87	88.69	32.5
21	ERK BROTHERS	8002	P	S	4/10/98	93	210	117	0.84	20.5	62.5	12.8	64	21.5	60	24.4	5.1	1.0	1.0	1.5	116.43	103.40	35.0
4	GUPMAN, JOHN	1077	P	S	2/21/98	144	260	116	0.83	20.5	40.7	8.3	58	26.1	56	27.7	3.6	1.0	2.0	1.0	84.67	75.20	37.0
2	GUPMAN, JOHN	1042	P	S	2/21/98	133	246	113	0.81	23.7	54.9	13.0	60	24.5	56	26.8	4.5	1.0	1.0	1.0	105.56	93.75	35.0
22	ERK BROTHERS	22	P	TW	4/19/98	79	166	87	0.63	15.3	62.4	9.6	64	21.9	62	23.1	4.5	2.0	1.5	1.0	91.11	80.91	28.0
	AVERAGE					**122**	**248**	**127**	**0.91**	**22.0**	**58.9**	**12.9**	**58**	**25.1**	**56**	**27.4**	**4.6**	**1.4**	**1.3**	**1.1**	**112.56**	**100**	**35.0**
	COLUMBIA																						
108	WASSON, RUD	7583	P	TW	3/27/98	131	278	147	1.06	18.6	58.3	10.8	50	30.0	46	33.8	4.3	3.0	1.0	1.0	105.55	107.27	35.0
107	WASSON, RUD	7588	P	TW	3/30/98	116	258	142	1.02	27.0	56.9	15.3	46	32.7	44	35.0	5.2	1.0	1.0	1.0	128.82	130.91	39.0
110	BREDAHL, GENE/SCOT	9804	P			158	283	125	0.90	23.3	57.6	13.4	48	32.4	46	33.3	4.9	1.5	1.0	1.0	116.06	117.95	35.0
106	OSBORNE, DON	2412	P			142	265	123	0.88	20.5	51.5	10.5	50	29.0	50	30.0	4.8	1.0	1.0	1.0	102.80	104.47	36.0
111	BREDAHL, GENE/SCOT	9800	P			136	252	116	0.83	19.5	60.0	11.7	46	34.0	36	40.2	4.9	1.5	1.0	1.0	92.23	93.73	38.0
105	OSBORNE, HAROLD	3932	P			114	223	109	0.78	20.9	59.0	12.3	50	29.7	46	33.9	4.9	1.5	1.0	1.0	96.36	97.92	41.0
104	PETERSON, DOUG	8647	P	TW	3/29/98	185	289	104	0.75	16.3	63.4	10.3	50	30.4	46	33.8	4.3	1.0	1.0	2.0	85.89	87.29	40.0
101	HRC	8-0438	P	TW	1/21/98	152	253	101	0.73	20.0	48.9	9.8	44	34.9	36	38.6	3.8	1.0	1.0	1.0	79.85	81.15	34.0
102	PETERSON, DOUG	8623	P	TW	3/10/98	157	239	82	0.59	20.0	47.3	9.5	54	28.5	50	30.2	4.6	1.0	1.0	1.0	78.30	79.57	33.0
	AVERAGE					**143**	**260**	**117**	**0.84**	**20.7**	**55.9**	**11.5**	**48**	**31.3**	**46**	**34.3**	**4.6**	**1.4**	**1.0**	**1.1**	**98.43**	**100**	**36.0**
	TARGHEE																						
203	LEWIS, H	53	P	TW	2/13/98	135	251	116	0.83	19.5	55.2	10.8	62	23.1	58	25.2	4.3	1.0	1.0	2.0	101.87	112.24	35.5
201	LEWIS, H	011-2	P	TW	5/13/98	94	213	119	0.86	14.9	58.7	8.7	60	24.3	58	25.5	4.7	1.0	1.0	3.0	95.09	104.77	32.0
202	LEWIS, H	36	P	TW	2/11/98	140	207	67	0.48	21.9	51.2	11.2	50	29.9	48	31.8	3.8	1.0	1.8	1.0	75.32	82.99	29.5
	AVERAGE					**123**	**224**	**101**	**0.72**	**18.8**	**55.0**	**10.2**	**58**	**25.8**	**56**	**27.5**	**4.3**	**1.0**	**1.3**	**2.0**	**90.76**	**100**	**32.0**
	CORRIEDALE																						
301	CROUCH, JIM	253	P	TW	3/23/98	119	243	124	0.89	30.2	56.3	17	44	35.2	36	38.9	6.1	1.0	1.0	1.0	127.90	108.89	36.5
300	MEGALI, LORIS	8047	P			118	224	106	0.76	19.1	70.7	13.5	50	30.0	48	32.4	5.6	1.0	1.0	1.0	107.02	91.12	35.0
	AVERAGE					**119**	**234**	**115**	**0.83**	**24.7**	**63.5**	**15.3**	**48**	**32.6**	**44**	**35.7**	**5.9**	**1.0**	**1.0**	**1.0**	**117.46**	**100**	**35.0**
	TEST AVERAGE					**111**	**248**	**121**	**0.87**	**21.5**	**58.0**	**12.4**	**56**	**27.3**	**54**	**29.8**	**4.7**	**1.2**	**1.1**	**1.3**	**107.02**	**100**	**35.0**

Table 8. 1998-99 Dakota Performance Ram Test Summary
Sorted by Clean Fleece

T	ID	Producer	F ID	H/P	BT	B Date	B Wt	F Wt	Gain	ADG	GR 365-d	YIELD CWFP	CI FI 365-d	SIDE GRADE	SIDE AFD	BRITCH GRADE	BRITCH AFD	STL 365-d	FS	BSF	BW	INDEX	INDEX Ratio	SCO CIR
Rambouillets																								
	11	BENZ, DARRELL	921	P	S	3/18/98	150	272	122	0.88	23.3	63.9	**14.9**	62	23.2	62	23.2	5.2	1.3	1.0	1.0	129.38	114.90	34.0
	1	HETZEL, BEN	1053	P	S	2/11/98	160	297	137	0.99	24.2	60.8	**14.7**	62	22.9	60	24.5	4.3	1.0	1.0	1.0	128.47	114.09	42.0
	10	BENZ, JUSTIN	1721	P	TW	3/7/98	123	253	130	0.94	25.1	58.3	**14.6**	56	26.9	50	29.6	5.4	1.0	1.0	1.0	120.54	107.06	36.5
	17	CHAPMAN, LENARD	4697	H	S	4/10/98	104	234	130	0.94	24.7	57.9	**14.3**	58	25.5	56	27.8	4.4	2.0	2.0	1.0	116.04	103.05	33.0
	9	COOK SISTERS	4148	H	TW	2/19/98	133	276	143	1.03	23.3	61.3	**14.3**	58	25.2	54	28.4	5.3	2.0	1.0	1.0	122.99	109.23	34.0
	20	ANDERSON, BURTON	570	P	TW	3/3/98	136	261	125	0.90	21.4	65.5	**14.0**	54	28.5	48	32.2	5.5	2.5	2.0	1.0	113.74	101.01	36.0
	16	CHAPMAN, LENARD	886	P	S	3/19/98	117	255	138	0.99	23.3	59.6	**13.9**	60	24.6	56	27.9	5.0	1.0	1.0	1.0	119.10	105.78	37.0
	6	GUPMAN, JOHN	1092	P	S	2/21/98	134	283	149	1.07	23.7	56.2	**13.3**	54	28.5	50	30.0	4.1	1.5	2.8	1.0	121.37	107.79	43.0
	18	CHAPMAN, LENARD	577	P	S	3/19/98	107	231	124	0.89	20.9	63.2	**13.2**	58	26.4	54	28.8	4.8	2.0	1.8	1.0	110.48	98.12	33.0
	13	CHAPMAN, LENARD	585	P	S	3/21/98	119	239	120	0.86	20.5	64.4	**13.2**	62	22.5	60	25.2	4.7	1.0	1.0	1.0	114.94	102.08	32.5
	2	GUPMAN, JOHN	1042	P	S	2/21/98	133	246	113	0.81	23.7	54.9	**13.0**	60	24.5	56	26.8	4.5	1.0	1.0	1.0	105.56	93.75	35.0
	8	COOK SISTERS	4199	H	TW	2/19/98	133	267	134	0.96	23.3	55.5	**12.9**	56	27.2	48	31.8	4.3	1.0	1.0	1.0	106.18	94.30	35.0
	21	ERK BROTHERS	8002	P	S	4/10/98	93	210	117	0.84	20.5	62.5	**12.8**	64	21.5	60	24.4	5.1	1.0	1.0	1.5	116.43	103.40	35.0
	15	CHAPMAN, LENARD	579	P	S	3/20/98	107	244	137	0.99	23.3	54.5	**12.7**	58	26.1	54	28.1	4.3	1.0	1.3	1.0	113.05	100.40	34.0
	7	COOK SISTERS	4165	H	TW	2/24/98	129	273	144	1.04	20.9	59.6	**12.5**	62	22.8	60	23.9	4.5	2.5	1.0	3.0	124.85	110.88	38.0
	5	GUPMAN, JOHN	1065	P	S	2/14/98	124	242	118	0.85	20.5	58.7	**12.0**	58	26.3	54	28.5	3.8	1.5	1.0	1.0	99.87	88.69	32.5
	12	CHAPMAN, LENARD	4695	H	S	4/8/98	85	209	124	0.89	19.1	60.0	**11.4**	58	26.2	50	29.4	4.4	1.0	1.0	1.0	99.87	88.70	33.0
	22	ERK BROTHERS	22	P	TW	4/19/98	79	166	87	0.63	15.3	62.4	**9.6**	64	21.9	62	23.1	4.5	2.0	1.5	1.0	91.11	80.91	28.0
	4	GUPMAN, JOHN	1077	P	S	2/21/98	144	260	116	0.83	20.5	40.7	**8.3**	58	26.1	56	27.7	3.6	1.0	2.0	1.0	84.67	75.20	37.0
		AVERAGE					**122**	**248**	**127**	**0.91**	**22.0**	**58.9**	**12.9**	**58**	**25.1**	**56**	**27.4**	**4.6**	**1.4**	**1.3**	**1.1**	**112.60**	**100**	**35.0**
		COLUMBIA																						
	107	WASSON, RUD	7588	P	TW	3/30/98	116	258	142	1.02	27.0	56.9	**15.3**	46	32.7	44	35.0	5.2	1.0	1.0	1.0	128.82	130.91	39.0
	110	BREDAHL, GENE/SCOT	9804	P			158	283	125	0.90	23.3	57.6	**13.4**	48	32.4	46	33.3	4.9	1.5	1.0	1.0	116.06	117.95	35.0
	105	OSBORNE, HAROLD	3932	P			114	223	109	0.78	20.9	59.0	**12.3**	50	29.7	46	33.9	4.9	1.5	1.0	1.0	96.36	97.92	41.0
	111	BREDAHL, GENE/SCOT	9800	P			136	252	116	0.83	19.5	60.0	**11.7**	46	34.0	36	40.2	4.9	1.5	1.0	1.0	92.23	93.73	38.0
	108	WASSON, RUD	7583	P	TW	3/27/98	131	278	147	1.06	18.6	58.3	**10.8**	50	30.0	46	33.8	4.3	3.0	1.0	1.0	105.55	107.27	35.0
	106	OSBORNE, DON	2412	P			142	265	123	0.88	20.5	51.5	**10.5**	50	29.0	50	30.0	4.8	1.0	1.0	1.0	102.80	104.47	36.0
	104	PETERSON, DOUG	8647	P	TW	3/29/98	185	289	104	0.75	16.3	63.4	**10.3**	50	30.4	46	33.8	4.3	1.0	1.0	2.0	85.89	87.29	40.0
	101	HRC	8-0438	P	TW	1/21/98	152	253	101	0.73	20.0	48.9	**9.8**	44	34.9	36	38.6	3.8	1.0	1.0	1.0	79.85	81.15	34.0
	102	PETERSON, DOUG	8623	P	TW	3/10/98	157	239	82	0.59	20.0	47.3	**9.5**	54	28.5	50	30.2	4.6	1.0	1.0	1.0	78.30	79.57	33.0
		AVERAGE					**143**	**260**	**117**	**0.84**	**20.7**	**55.9**	**11.5**	**48**	**31.3**	**46**	**34.3**	**4.6**	**1.4**	**1.0**	**1.1**	**98.43**	**100**	**36.0**
		TARGHEE																						
	202	LEWIS, H	36	P	TW	2/11/98	140	207	67	0.48	21.9	51.2	**11.2**	50	29.9	48	31.8	3.8	1.0	1.8	1.0	75.32	82.99	29.5
	203	LEWIS, H	53	P	TW	2/13/98	135	251	116	0.83	19.5	55.2	**10.8**	62	23.1	58	25.2	4.3	1.0	1.0	2.0	101.87	112.24	35.5
	201	LEWIS, H	011-2	P	TW	5/13/98	94	213	119	0.86	14.9	58.7	**8.7**	60	24.3	58	25.5	4.7	1.0	1.0	3.0	95.09	104.77	32.0
		AVERAGE					**123**	**224**	**101**	**0.72**	**18.8**	**55.0**	**10.2**	**58**	**25.8**	**56**	**27.5**	**4.3**	**1.0**	**1.3**	**2.0**	**90.76**	**100**	**32.0**
		CORRIEDALE																						
	301	CROUCH, JIM	253	P	TW	3/23/98	119	243	124	0.89	30.2	56.3	**17.0**	44	35.2	36	38.9	6.1	1.0	1.0	1.0	127.90	108.89	36.5
	300	MEGALI, LORIS	8047	P			118	224	106	0.76	19.1	70.7	**13.5**	50	30.0	48	32.4	5.6	1.0	1.0	1.0	107.02	91.12	35.0
		AVERAGE					**119**	**234**	**115**	**0.83**	**24.7**	**63.5**	**15.3**	**48**	**32.6**	**44**	**35.7**	**5.9**	**1.0**	**1.0**	**1.0**	**117.46**	**100**	**35.0**
		TEST AVERAGE					**111**	**248**	**121**	**0.87**	**21.5**	**58.0**	**12.4**	**56**	**27.3**	**54**	**29.8**	**4.7**	**1.2**	**1.1**	**1.3**	**107.02**	**100**	**35.0**