



## **Elders VP Victoria Sire Evaluation Group**

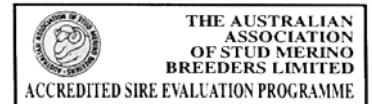
**1998 Drop 1<sup>st</sup> Evaluation of Progeny at 10 months**

**10 Months Wool Growth**

Conducted by:



The Elders VP Victoria Sire Evaluation Group under the  
auspices of the  
Victorian Stud Merino Sheepbreeders' Association  
& Balmoral P & A Society



Supported in sponsorship by:



Cover Photo: The Mountain Dam Mixed Aged Commercial Ewes, dams of 1998 drop progeny.

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## **FOREWORD**

### ***Elders VP Victoria Sire Evaluation Group***

There have been three trials conducted previously in the Balmoral (B95) and Hamilton (HT93, HT94) area. These trials were conducted by different groups and in 1998 a small group of studbreeders met with the Central Test Sire Evaluation Co-ordinator Dr. Euan Roberts to form what is now known as the Elders VP Victoria Sire Evaluation Group.

The Elders VP Victoria Sire Evaluation Trials commenced and now have 2 progeny drops – 1998 and 1999; both of these progeny are being run on host property “The Mountain Dam”, Balmoral. A further commitment for the next 2 years has now been made and the 2000 and 2001 trials will be conducted at Kerrsville, Coleraine. All of these trials will run for a minimum of 2 years.

A feature of the Elders VP Victoria Sire Evaluation Trials is the production of newsletters to inform participants, their clients and interested woolgrowers on events surrounding the trials. In addition, displays of progeny, data and their fleeces have been on show at Melbourne Sheep Show, Balmoral and Horsham Shows and Hamilton Sheepvention. Participating studs have also provided static displays for viewing during field days.

Planning and direction is developed by the Sire Evaluation Group Committee with trials being co-ordinated by the Manager. There is regular communication with participants.

### ***The Committee:***

Robert Plush	(Chairman)	0355 750208
Robert Close		0355 704238
Tom Silcock	(Host site)	0353 882238
John Crawford		0355 749224
Sue Jarvis		0355 730900
David Whyte		0355 722266
Marion Gibbins	(Manager)	0353 848201
Peter Fitzgerald (1998)		

### ***Host Property***

The Elders VP Sire Evaluation 1998 and 1999 Progeny Drop Trials are hosted on the property of Tom and Alison Silcock at “The Mountain Dam”, Telangatuk East. Progeny are managed under strict commercial conditions.

The Mountain Dam property is situated at the southern end of the Black Range, 20kms east of Balmoral (45 minutes south of Horsham, 60 minutes north of Hamilton). The country is predominantly clay loam with an average annual rainfall of 546mm and sheep are managed on an average of 6.7 DSE/ha (2.7 dse/ac).

Report writing & production: Elders VP Victoria Sire Evaluation Group

Data analysis, processing and reports: Advanced Breeding Services (Allan Casey, Anne Ramsay, Kathy Coelli)

November 1999

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The information in this booklet should not be read in isolation – progeny at time of assessment were 10 months of age and shorn with 10 months wool growth. The second assessment to be conducted in 2000 (with progeny aged 22 months) will provide further information on progeny at a more mature age.

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Explanation of Estimated Breeding Values, Estimated Progeny Values & Indexes (Susan Jarvis)

## UNDERSTANDING THE RESULTS

### TABLES

Sire Identity:	Identity of Breeder and the sire's number and/or name and Code number located on some tables and graphs.														
No. of Progeny:	Number of progeny assessed at time of event														
Estimated Progeny Values:	Estimated progeny values (EPVs) express the expected performance of progeny of a sire relative to another sire in the evaluation when mated to a random allocation of ewes. EPVs are the units used to describe the performance of the major measured traits (see information on accuracy over page). They are expressed as deviations (dev) from the average of sires in the evaluation. Fibre Diameter traits, Yield and Staple Length EPVs are presented as deviations from the average, expressed in the same units as they were measured. Greasy and Clean Fleece Weights and Body Weights are percentages – 100% equals average and, for example, 10.0 is 10% above average performance of the group.														
Traits:	<table><tr><td>GFW%</td><td>Greasy Fleece Weight (percentage)</td></tr><tr><td>CFW%</td><td>Clean Fleece Weight (percentage)</td></tr><tr><td>FD</td><td>Average Fibre diameter (micron)</td></tr><tr><td>BWT%</td><td>Body Weight (percentage)</td></tr><tr><td>CV%</td><td>Co-efficient of variation of fibre diameter</td></tr><tr><td>Yld%</td><td>Washing yield of the midside sample</td></tr><tr><td>Stp Lth</td><td>Staple length measured in mm from midside sample</td></tr></table>	GFW%	Greasy Fleece Weight (percentage)	CFW%	Clean Fleece Weight (percentage)	FD	Average Fibre diameter (micron)	BWT%	Body Weight (percentage)	CV%	Co-efficient of variation of fibre diameter	Yld%	Washing yield of the midside sample	Stp Lth	Staple length measured in mm from midside sample
GFW%	Greasy Fleece Weight (percentage)														
CFW%	Clean Fleece Weight (percentage)														
FD	Average Fibre diameter (micron)														
BWT%	Body Weight (percentage)														
CV%	Co-efficient of variation of fibre diameter														
Yld%	Washing yield of the midside sample														
Stp Lth	Staple length measured in mm from midside sample														
Sire Averages:	Sire averages are the average performance of all the progeny assessed. No account is made for factors which can improve the accuracy.														
Visual Scores:	<p><b>Size</b> – Scored 1 to 5, 1 being smallest, 5 being largest</p> <p><b>Face</b> – Scored 1 to 5, 1 being muffled, 3 and above being good</p> <p><b>Shoulders</b> – Scored 1 to 3, 1 negative problems, 2 slight problem, 3+ being good</p> <p><b>Feet</b> – Scored 1 – 3, 1 having negative problems, 2 slight problem, 3+ being good</p> <p><b>Mouth</b> – Scored 1 – 3, 1 having negative problem, 2 slight problem, 3+ being good</p> <p><b>Skin</b> – Scored 1 to 5, 1 being very tight/excessive skin or overplain, 5 being excellent skin type</p> <p><b>Nourishment</b> – Scored 1 to 5, 1 being very dry or excessively nourished, 5 being excellent</p> <p><b>Colour</b> – Scored 1 to 5, 1 being extreme colour, 3 being average/good, 5 being excellent white/bright</p> <p><b>Quality</b> – Wool Quality scored as an overall perspective of wool assessed on sheep, Scored 1 to 5, 1 being negative, 3 average/good, 5 excellent.</p> <p><b>Tip Hair</b> – Halo/tip hair assessed at 10 months.</p> <p><b>Pigmentation:</b> No. <b>Black Lambs:</b> number of lambs recorded as predominantly black at time of tagging;</p> <p><b>Skin Pigmentation:</b> percentage of progeny noted at 10 months of age by classers as having skin pigmentation (typically smutty nose/brown rimmed eyes)</p> <p><b>Wool Pigmentation:</b> Small spot of black or coloured wool in wool growing area, noted at shearing at 10 months of age.</p> <p><b>Conformation:</b> Not specifically scored in assessment at 10 months, but figures taken from overall classing of structural scores and combined into an aggregate.</p> <p><b>Fleece Rot</b> – Scored 0 to 5, however this time 0 is no fleece rot, 1 slight fleece rot, 5 is extreme. Incidence of Fleece rot is the percentage of progeny considered susceptible.</p>														

Index Options:	<p>Breeding Objective index options provide the relative value of sires based on a combination of the measured traits –CFW, FD, CV &amp; BWT. It should be noted that these are only some of the many indexes which can be used to describe an individual breeder’s objective for measured traits. If a breeder uses a sire, the relative performance of the flock must be considered to establish the change than can be expected.</p> <p>The RAMPOWER standard indexes – 3%, 6% and 12% – have been endorsed by Central Test Sire Evaluation as the base indexes for sites to provide combined measured trait results.</p> <p><b>3% Index:</b> Maintain fibre diameter (FD) while maximizing the increase in Clean Fleece Weight (CFW), maintaining body weight (BWT) and improved CV of fibre diameter at 1/5<sup>th</sup> the value of FD which is in line with spinning performance.</p> <p><b>6% Index:</b> A moderate level of downward pressure on FD, while maintaining a high level of increase in CFW, maintaining BWT and improving CV of FD.</p> <p><b>12% Index:</b> A high level of downward pressure on FD, while obtaining a small increase in CFW, maintaining BWT and improving CV of FD.</p>
Classers’ Grade:	Two Classers grade all assessed progeny as either Tops, Flocks or Culls, based on their visual assessment of all traits. The percentage of Tops, Flocks and Culls are presented.
Group Traits:	The performance for a comprehensive list of traits (in addition to objective measured traits) are scored by the two classers as described in Visual Traits above, and are then correlated by Advanced Breeding Services into ‘positive’, ‘average/good’ or ‘negative’ performance. These traits are also grouped into Conformation, Wool Quality and Markings as an aggregate to provide a summary of visual assessed performance. Each trait group shows the percentage of a sire’s progeny with a positive score or negative score for one or more traits in that group. (e.g. a sire that has an offspring with a negative score for both feet and shoulders would have this information collated as 2 negatives to go into the aggregate for conformation even though it may be the same sheep.)
Individual Traits:	The percentage of progeny which score positive or negative for each trait. The table lists individual traits within their Trait Group. A positive percentage that is above the groups’ average indicates good performance for that trait. Negative percentages that are below average indicate poorer performance.
Progeny Group Classing:	Assessment of the evenness of sire progeny groups is carried out as a separate assessment to individual classing. This assessment is seen as per Table 4 .

## **SUMMARY GRAPHS**

Performance distribution graphs provide a summary of performance of sires for two traits such as Fleece Weight and Fibre Diameter. Use the labels on the graph to obtain a general idea of the performance of sires in that area of the graph, e.g. High Fleece Weight/Low Fibre Diameter. (See Figure 2)

## **ACCURACY OF ESTIMATED PROGENY VALUE**

Estimated Progeny Values (EPVs) express the expected performance of progeny of a sire relative to performance of progeny of another sire in the evaluation when mated to the same standard of ewes.

EPVs are a more accurate indicator of a sire's relative genetic merit than simple sire averages as they take into account:

- how much of the superiority is actually due to the sire's genes and can be passed on to its progeny;
- the number of progeny a sire has in the analysis;
- the measurements of other related traits.
- non-genetic effects such as whether animals are born as singles or twins.

True progeny values would be achieved if the number of progeny evaluation for each sire was infinite. Because the number of progeny in the evaluation is not infinite, performance shown in this report is described as *Estimated Progeny Values*.

The correlation (similarity) between the *Estimated Progeny Value* and the *True Progeny Value* increases as i) the number of progeny is increased, and (ii) the heritability of the trait is greater. If the number of progeny were infinite the correlation between the *Estimated* and *True Progeny Value* would be perfect (described as 100%). Without progeny test information the correlation between the *Estimated* and *True Progeny Value* of sires from different sources would be zero (0.0%). The correlation between *Estimated* and *True Progeny Value* improves rapidly from 0.0% with no progeny to 77% with 10 progeny. The rate of improvement in correlation slows from 86% with 20 progeny, to 90% with 30 progeny and 92% with 40 progeny. Note the correlation used in this example is for a trait such as fibre diameter with a high heritability (0.5). Traits with lower heritabilities require more progeny to reach the same level of accuracy.

## **ALLOWANCE FOR TWINS/TRIPLETS**

### **Visual Assessment:**

No allowance was made in the 10 month visual assessment for multiple births.

### **Objective Analysis:**

An allowance was made by CTSE analysis program for twins and triplets when analysing measurement data for the following traits – Yield, CFW%, Body Weight, Micron, Greasy Fleece Weight, Staple Length.

## 1998 DROP SIRE & OWNER DETAILS

<b><i>Sire Identity</i></b>	<b><i>Contact Name, Address, Phone &amp; Fax No.</i></b>
Gringegalgonia ** 4N2307/93 [Topcut]	Stephen Silcock, Gringegalgonia Stud Partnership, RMB 365, Balmoral 3407 Ph. 0355 743202, Fax 0355 743239
Gumbough 5.271 [Cibie]	Bill & Prue Speirs, "Gumbough", RMB 1275, Casterton. 3311 Ph. 0355 798542, Fax 0355 798516
Hazeldean 93-1053	Jim Litchfield, Hazeldean Pty. Ltd., Cooma 2630 Ph. 0264 535555, Fax 0264 535526
Karmala Y81 [Ablett]	Janet Lowing, Karmala Partnership, RMB 508, Willaura 3379 Ph./Fax 0353 504228
Kerrsville M3065 [LINK SIRE] *	Robert & Ian Plush, RMB 8203, Coleraine 3315 Ph/Fax 0355 750208
Kurra Wirra BZ263	Robert Close, Close Pastoral Co., RMB 9331, Coleraine 3315 Ph. 0355 704238, Fax 0355 704234
Nareeb Nareeb A4-41	Hugh Beggs, Nareeb Nareeb Partnership, Glenthompson 3293 Ph. 0355 778238, Fax 0355 778285
Nareeb Nareeb A5-4 [The Manager]	Hugh Beggs, Nareeb Nareeb Partnership, Glenthompson 3293 Ph. 0355 778238, Fax 0355 778285
Nerstane N002 [LINK SIRE] *	John McLaren, Nerstane Merino Stud, Woolbrook 2354 Ph. 0267 775881, Fax 0267 775922
One Oak No. 2 OO-26, Klien	Graeme Wells, One Oak Pty. Ltd., P.O. Box 84, Jerilderie 2716 Ph. 0358 861269, Fax 0358 861792
Roseville Park RP24	Graham Coddington, GR & S Coddington, "Glenwood", Dubbo 2830 Ph. 0268 877230, Fax 0268 877234
The Mountain Dam ** 94/ND078	Tom Silcock, T & A Silcock, RMB 8401, Horsham 3401
The Mountain Dam ** 94/NG014	Tom Silcock, T & A Silcock, RMB 8401, Horsham 3401

\* Link Sires — these sires provide the "link" between other Central Test Sire Evaluation Sites and Years and have participated in evaluation of their progeny across more than one site.

\*\* Abbreviated names in graphs [The Mountain Dam = TMD, Gringegalgonia = GGG]



## **MANAGER'S REPORT – 1998 Drop Progeny**

### ***Ewe Base:***

Ewes for the 1998 and 1999 trials were selected from “The Mountain Dam” mixed aged commercial, fine wool Merino breeding ewes. The average adult flock micron at “The Mountain Dam” is 19.0

### ***1998 Progeny Location:***

The Mountain Dam property is owned by Tom and Alison Silcock, located 20kms east of Balmoral, on the border between the Western District and Wimmera Regions of Victoria. A successful pasture improvement program has been implemented at The Mountain Dam using controlled rotational grazing strategies along with some pasture oversowing. Average annual rainfall of 546mm on a predominantly clay loam soil type.

### ***Seasonal Conditions:***

Conditions in early 1998 were favourable with ewes commencing the AI program in good condition and maintaining a good level of nutrition. Lambing conditions were unusually dry but good stands of clover and grass pasture were available for tagged lambs and ewes. After weaning lambs were supplementary fed with lupins during the autumn period. After two false starts to the break in the season, feed was scarce right throughout the late Autumn and early Winter period. In June, when the 1998 progeny drop were being evaluated and shorn, feed was still in short supply. By mid August, feed conditions were once again in good supply but 1999 has seen an extremely dry year in the region. Good stands of feed are currently available in early November, but have already commenced seeding and drying off.

### ***The Evaluation & Management Program:***

19 <sup>th</sup> & 20 <sup>th</sup> March 1998	Commence AI program - Ewes sponged & teasers injected
26 <sup>th</sup> March 1998	2 <sup>nd</sup> injection for Teasers
31 <sup>st</sup> March/1 <sup>st</sup> April 1998	Pull sponges & inject ewes with 1.5 PMSG
2 <sup>nd</sup> and 3 <sup>rd</sup> April 1998	Laposcopic insemination of 780 ewes, conducted by Genstock
9 <sup>th</sup> June 1998	Ultrasound/scan ewes
24 <sup>th</sup> August 1998	Ewes drafted into 26 groups (identifying singles & twins) for lambing
28 <sup>th</sup> August 1998	Ewes commence lambing
5 <sup>th</sup> September 1998	Lambing complete – lambs tagged, scored and weighed
8 <sup>th</sup> September 1998	Ewes & lambs returned to full mob
5 <sup>th</sup> October 1998	Mark & Mules lambs, vaccinated 6 in 1/selenium & weighed
7 <sup>th</sup> December 1998	Weaned Lambs
29 <sup>th</sup> December 1998	Jetted Weaners
18 <sup>th</sup> January 1999	Weigh Weaners & Cobalt/Selenium Bullet, Drench Cydecton
Autumn 1999	Supplementary feeding lupins
11 <sup>th</sup> May 1999	Merial Drench Capsules & small crutch
May/June 1999	Supplementary feeding barley
22 <sup>nd</sup> June, 1999	Visual Classing of progeny
8 <sup>th</sup> July, 1999	Shearing of progeny

### ***Classers for 1998 Drop Progeny***

Mr Murray Elliott  
Mr Robert Harding

<b>Summary Table A – Lambing Analysis &amp; Survival – 1998 Drop</b>
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### **Lambing Analysis Results & Assessment Numbers**

Sire Identity	No. Ewes Scanned in Lamb	5-7/9/98				Wethers Ewes		5/10/98	22/6/99	Attrition*		
		Lambs Tagged	Single	Twin	Triplet			Marking Tally	Classing Tally	Died	NR	EL.
Gringegalgon 4N2307	44	58	29	27	2	25	33	58	55	0	2	1
Gumbough 5.271	46	61	20	41		30	31	61	60	0	1	0
Hazeldean 93-1053	42	54	22	29	3	31	23	52	48	2	4	0
Karmala Y81	48	52	23	28	1	29	23	50	46	3	3	0
Kerrsville M3065	31	38	17	20	1	25	13	36	34	2	2	0
Kurra Wirra BZ 263	43	52	18	34		29	23	50	44	4	3	1
Nareeb Nareeb A4-41	43	52	23	29		26	26	52	50	0	2	0
Nareeb Nareeb A5-4	44	56	24	32		33	23	52	51	3	0	2
Nerstane N002	47	62	17	45		28	34	59	53	4	4	1
One Oak No.2 OO-26	41	55	24	31		23	32	55	52	1	2	0
Roseville Park RP24	49	59	24	35		33	26	58	53	1	0	5
The Mountain Dam ND078	51	59	15	44		28	31	57	57	2	0	0
The Mountain Dam NG014	43	49	21	28		21	28	48	44	1	3	1
<b>Total</b>	<b>572</b>	<b>707</b>	<b>277</b>	<b>423</b>	<b>7</b>	<b>361</b>	<b>346</b>	<b>688</b>	<b>647</b>	<b>23</b>	<b>26</b>	<b>11</b>

572 scanned wet ewes

780 inseminated = 90% LAMBING

Prior to lambing, ewes were drafted into their progeny groups and lambed down in 26 separate paddocks identifying scanned singles, twins & triplets.

\*Attrition: These figures describe the number of progeny at 22/6/99 that have died since tagging, are missing from mob (NR) or were not included in the evaluation or have been eliminated (EL) - e.g. lamb had been sick and lost wool. The Committee eliminated (removed) all commercially unviable progeny prior to classing on humane grounds and/or due to coloured wool.

Note that all lambs tagged 5-7/9/98 have been accounted for.

**Figure 1: Summary Graph - Combined Measured Traits and Classers' Grade**

Summary Graph using 6% Breeding Objective Index Option

The RAMPOWER standard indexes:  
**3% Index:** Maintain FD while maximizing the increase in CFW, maintaining BWT and improved CV of FD..  
**6% Index:** A moderate level of downward pressure on FD, while maintaining a high level of increase in CFW, maintaining BWT and improving CV of FD.  
**12% Index:** A high level of downward pressure on FD, while obtaining a small increase in CFW, maintaining BWT and improving CV of FD.  
 (See page 5 for more information on Breeding Objective index options.)

**Table B – RAMPOWER Standard Index Options and Classers' Grade 1998 Drop - 1<sup>st</sup> Evaluation**

Sire Graph Code	Sire Identity	RAMPOWER Standard Index Options			Classers' Grade % <sup>1</sup>		
		A (3%MP)	B (6%MP)	C (12%MP)	Tops 1 <sup>st</sup> Eval.	Flock 1 <sup>st</sup> Eval.	Culls 1 <sup>st</sup> Eval.
1	Gringegalgona 4N2307/93	105	100	95	12	73	15
2	Gumbough Poll 5.271	121	113	103	28	66	6
3	Hazeldean 93-1053	120	120	118	20	67	13
4	Karmala Y81	93	93	95	9	74	17
5 *	Kerrsville M3065	89	94	100	12	63	25
6	Kurra Wirra BZ 263	80	88	96	6	38	56
7	Nareeb Nareeb A4-41	100	98	97	12	71	17
8	Nareeb Nareeb A5-4	101	101	99	12	84	4
9 *	Nerstane N920002	100	109	118	39	58	3
10	One Oak No. 2 OO-26	109	104	98	18	74	8
11	Roseville Park RP24	88	93	97	7	66	27
12	The Mountain Dam 94/ND078	110	106	102	11	85	4
13	The Mountain Dam 94/NG014	85	82	82	10	54	36
Average performance		100%	100%	100%	15%	67%	18%

\* Link Sires

<sup>1</sup> Classers' Assessments are expressed as a percentage of a sire's progeny.

**Figure 2 - Summary Graph Fleece Wt/Fibre Diameter - 1998 drop  
1<sup>st</sup> Evaluation**

**Tables 1 & 2 – Measured and scored assessments - 1998 drop - 1<sup>st</sup> Evaluation**

**Table 1. Major measured traits & Classers' grade**

Sire Graph Identity Code	Sire	Number of Progeny	Estimated Progeny Values				Classers' Grade %		
			GFW% 1 <sup>st</sup>	CFW% 1 <sup>st</sup>	FD (Mic) 1 <sup>st</sup>	BWT% 1 <sup>st</sup>	Tops 1 <sup>st</sup>	Flock 1 <sup>st</sup>	Culls 1 <sup>st</sup>
1	Gringegalgon 4N2307/93	55	1.7	2.0	0.2	-2.8	12	73	15
2	Gumbough Poll 5.271	60	4.4	5.5	0.4	2.0	28	66	6
3	Hazeldean 93-1053	48	2.0	3.7	-0.2	2.7	20	67	13
4	Karmala Y81	46	-2.3	-2.0	0.1	2.5	9	74	17
5	Kerrsville M3065	34	-2.4	-2.6	-0.3	-5.0	12	63	25
6	Kurra Wirra BZ 263	44	-3.8	-5.0	-0.5	-4.5	6	38	56
7	Nareeb Nareeb A4-41	50	0.2	0.2	0.3	2.1	12	71	17
8	Nareeb Nareeb A5-4	51	0.5	0.1	0.0	3.4	12	84	4
9	Nerstane N920002	53	-2.2	-1.9	-0.7	1.0	39	58	3
10	One Oak No. 2 OO-26	52	1.4	2.7	0.3	-0.8	18	74	8
11	Roseville Park RP24	53	-0.5	-2.9	-0.3	-0.3	7	66	27
12	The Mountain Dam	57	0.0	1.9	0.1	2.2	11	85	4
13	The Mountain Dam	44	1.0	-1.7	0.4	-2.5	10	54	36
Average		50	2.2 kg	1.6 kg	16.4 mic	19.8 kg	15%	67%	18%

**Table 2: Additional measured & scored trait performance**

Sire Graph Code	Sire Identity	Number of Progeny	EPVs		Sire Group – Deviation from Averages						Fleece Rot Score * (1-5)
			Yld%	CV%	Stpl.Lth	Stpl.Str	St Dev	%>30µm	SF	Curv	
1	Gringegalgon 4N2307/93	55	0.4	0.6	7.1	2.0	0.2	0.1	0.3	-5.8	0.0
2	Gumbough Poll 5.271	60	1.2	0.3	6.0	-4.	0.2	0.2	0.5	-6.3	0.0
3	Hazeldean 93-1053	48	1.8	-0.4	2.8	6.8	-0.1	-0.1	-0.3	-3.2	0.0
4	Karmala Y81	46	0.2	-0.3	-1.6	-5.5	0.0	0.0	0.1	5.6	0.0
5	Kerrsville M3065	34	-0.3	-0.1	-6.9	-2.5	-0.1	-0.1	-0.4	1.3	0.2
6	Kurra Wirra BZ 263	44	-1.5	0.5	-5.0	-1.8	-0.1	-0.2	-0.6	4.8	0.2
7	Nareeb Nareeb A4-41	50	-0.1	-0.7	-5.9	4.6	-0.1	0.0	0.2	-4.9	0.0
8	Nareeb Nareeb A5-4	51	-0.1	0.3	0.6	-6.3	0.1	0.1	0.1	-1.7	0.1
9	Nerstane N920002	53	0.1	-0.8	8.7	7.4	-0.3	-0.2	-0.9	-2.3	0.0
10	One Oak No. 2 OO-26	52	1.4	0.3	0.9	-2.8	0.1	0.1	0.4	-2.5	0.0
11	Roseville Park RP24	53	-2.6	-0.2	-9.7	6.3	-0.1	-0.1	-0.3	0.5	0.1
12	The Mountain Dam 94/ND078	57	1.9	0.3	2.8	5.6	0.1	0.2	0.2	9.2	0.2
13	The Mountain Dam 94/NG014	44	-2.4	0.1	-0.1	-9.6	0.1	0.0	0.4	5.2	0.0
Total or Average		50	72.9%	21.1%	66.3mm	42.7 N/kt	3.5mic	0.7%	16.0 mic	114deg/mm	0.1

NB:

\* Fleece Rot scores from visual classing

***Riverina Wool Testers  
processed the mid side  
samples for the 1998 Sire  
Evaluation Trial and we  
are grateful to them for  
their contribution***

**Figure 3 - Summary Graph Classers' Grades - 1998 drop  
1<sup>st</sup> Evaluation**

**Tables 3 – Classers' Assessments – 1998 drop - 1<sup>st</sup> Evaluation**

**Table 3 (a)**

Sire Graph Code	Sire Identity	Number of Progeny	Classers' Grade %			Group Traits % [Aggregate of Tables 3( b)(c)& (d)]								
			Tops %	Flock %	Culls %	Conformation [b]			Wool Quality [c]			Pigmentation [d]		
						Pos	Good	Neg	Pos	Good	Neg	Pos	Neg	
1	Gringegalgon 4N2307/93	55	12	73	15	2	82	16	0	95	5	98	2	
2	Gumbough Poll 5.271	60	28	66	6	4	88	8	11	86	3	98	2	
3	Hazeldean 93-1053	48	20	67	13	3	89	8	3	93	4	97	3	
4	Karmala Y81	46	9	74	17	4	93	3	0	96	4	100	0	
5	Kerrsville M3065	34	12	63	25	0	71	29	3	96	1	100	0	
6	Kurra Wirra BZ 263	44	6	38	56	1	57	42	4	88	8	100	0	
7	Nareeb Nareeb A4-41	50	12	71	17	1	88	11	1	95	4	100	0	
8	Nareeb Nareeb A5-4	51	12	84	4	4	96	0	2	97	1	100	0	
9	Nerstane N920002	53	39	58	3	9	84	7	10	90	0	100	0	
10	One Oak No. 2 OO-26	52	18	74	8	1	95	4	1	98	1	100	0	
11	Roseville Park RP24	53	7	66	27	5	83	12	1	91	8	94	6	
12	The Mountain Dam 94/ND078	57	11	85	4	3	92	5	4	94	2	98	2	
13	The Mountain Dam 94/NG014	44	10	54	36	0	87	13	2	91	7	98	2	
Average		50	15%	67%	18%	3%	85%	12%	3%	93%	4%	99%	1%	

Table 3(b)

Sire Graph Code	Conformation and Type %																	
	Body Size			Face Cover		Mouth		Shoulder		Feet		Development			Coverage			
	Pos	Av.	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Under	Av.	Over	Pos	Goo	Neg	
1	2	85	13	99	1	97	3	99	1	100	0	0	100	0	0	96	4	
2	4	93	3	99	1	99	1	100	0	98	2	2	98	0	1	92	7	
3	3	92	5	100	0	99	1	100	0	100	0	3	97	0	1	99	0	
4	4	96	0	97	3	100	0	100	0	100	0	0	100	0	0	100	0	
5	0	75	25	100	0	99	1	96	4	100	0	0	97	3	0	100	0	
6	1	63	36	93	7	100	0	99	1	100	0	0	98	2	1	99	0	
7	1	90	9	97	3	100	0	100	0	100	0	0	100	0	2	97	1	
8	4	96	0	100	0	100	0	100	0	100	0	0	100	0	0	100	0	
9	9	85	6	100	0	100	0	100	0	100	0	2	98	0	1	98	1	
10	1	93	2	99	1	100	0	100	0	100	0	1	99	0	1	97	2	
11	5	89	6	96	4	97	3	100	0	99	1	0	100	0	1	97	2	
12	3	94	3	100	0	100	0	99	1	98	2	1	99	0	0	100	0	
13	0	88	12	99	1	100	0	100	0	100	0	0	99	1	0	100	0	
Av	3%	88%	9%	98%	2%	99%	1%	99%	1%	99.6%	.4%	1%	98%	1%	1%	98%	1%	

Table 3(c)

Sire Graph Code	Wool Quality %																				
	Nourishment			Colour			Character			Wool Quality			Handle		Stpl.Structu		Tip Hair		Skin		
	Pos	Av.	Neg	Pos	Gd	Neg	Pos	Gd	Ne	Pos	Gd	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Gd	Neg
1	0	96	4	0	100	0	0	100	0	1	95	4	98	2	100	0	99	1	9	87	4
2	10	89	1	0	100	0	1	98	1	13	86	1	100	0	99	1	100	0	25	72	3
3	3	97	0	1	99	0	0	97	3	5	95	0	99	1	100	0	100	0	13	83	4
4	0	96	4	0	100	0	0	98	2	0	96	4	100	0	100	0	100	0	6	85	9
5	1	98	1	3	97	0	0	100	0	6	90	4	100	0	100	0	100	0	12	79	9
6	0	93	7	4	96	0	0	98	2	0	82	18	100	0	100	0	100	0	5	65	30
7	0	99	1	0	100	0	1	97	2	0	98	2	100	0	99	1	100	0	5	90	5
8	1	99	0	0	100	0	1	98	1	2	98	0	100	0	100	0	100	0	10	90	0
9	8	92	0	9	91	0	0	100	0	16	84	0	100	0	100	0	100	0	15	83	2
10	1	99	0	0	100	0	0	100	0	1	98	1	99	1	100	0	100	0	13	85	2
11	1	92	7	1	99	0	0	99	1	1	92	7	100	0	100	0	100	0	6	87	7
12	2	97	1	3	96	1	0	100	0	2	97	1	100	0	100	0	100	0	7	91	2
13	1	93	6	2	98	0	0	100	0	0	91	9	99	1	100	0	100	0	5	79	16
Av	2%	96%	2%	2%	98%	0%	0%	99%	1%	4%	92%	4%	100%	0%	100%	0%	100%	0%	10%	83%	7%

Table 3(d)

Sire Graph Code	Classing Pigm.Skin % Neg *	% sheep with Pigmented Neg **	No. Black Spot Lmbs ***
1	0	1.8	0
2	2	0	0
3	1	1.6	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	2	1
8	0	0	0
9	0	0	0
10	0	0	0
11	0	5.6	3
12	0	1.7	0
13	2	0	0
	0%	0%	4 lmbs

This data not included in Table 3(a)

No. Lambs At Tagging with Pigment ***					
Br.Hair Light	Br.Hair Med.	Br.Hair Heavy	Br.Mark Light	Br.Mark Med.	Br.Mark Heavy
10	0	0	8	1	0
25	2	0	2	0	0
4	0	0	3	1	0
2	0	0	1	0	0
14	2	0	1	0	0
13	1	0	2	0	0
6	0	0	2	0	0
14	0	0	2	1	0
37	2	1	2	2	1
14	1	2	1	0	0
15	0	0	2	0	0
14	0	0	3	2	0
3	0	0	0	1	0
171	8	3	29	8	1

\* Noted by classers during classing assessment (%)  
 \*\* Noted by Committee at shearing (%)  
 \*\*\* Noted by Committee at tagging (actual number)

**Table 4 - Progeny Group Visual Classing – 1998 drop - 1<sup>st</sup> Evaluation**

Group Assessment: The following table describes the classers' opinion on the progeny assessed in their Sire Groups for evenness. This table does not relate to the level of actual performance but how the overall group was viewed for the four traits listed below.

Sire Graph Code	Sire Identity	Number of Progeny	Group Visual Classing – Actual Scores			
			Evenness	Conformation	Quality	Pigmentation
1	Gringegalgon 4N2307/93	55	4	4	4	4
2	Gumbough Poll 5.271	60	4	4	4	4
3	Hazeldean 93-1053	48	4	4	3	5
4	Karmala Y81	46	3	3	3	4
5	Kerrsville M3065	34	3	2	4	4
6	Kurra Wirra BZ 263	44	2	2	2	5
7	Nareeb Nareeb A4-41	50	4	3	4	4
8	Nareeb Nareeb A5-4	51	4	4	4	3
9	Nerstane N920002	53	4	3	4	4
10	One Oak No. 2 OO-26	52	4	4	4	4
11	Roseville Park RP24	53	3	3	3	2
12	The Mountain Dam 94/ND078	57	4	4	4	5
13	The Mountain Dam 94/NG014	44	3	3	3	4
Average		50	3.5	3.3	3.5	4.0

Note on Group Classing: Progeny are divided into their sire groups and are assessed with a score from 1 to 5 (1 being poor, 5 being good) as an overall group for each of the following traits: evenness, conformation, quality and pigmentation.

**Table 5 – Length & Strength Measurements – 1998 drop - 1<sup>st</sup> Evaluation**

Sire Graph Code	Sire Identity	No. of Progeny	Length (mm)	Strength N/KT	Point of Break (POB)
1	Gringegalgon 4N2307/93	55	73.4	44.7	MID
2	Gumbough Poll 5.271	60	72.3	38.3	MID
3	Hazeldean 93-1053	48	69.1	49.5	MID
4	Karmala Y81	46	64.7	37.2	MID
5	Kerrsville M3065	34	59.4	40.2	BASE
6	Kurra Wirra BZ 263	44	61.3	40.9	MID
7	Nareeb Nareeb A4-41	50	60.4	47.3	MID
8	Nareeb Nareeb A5-4	51	66.9	36.4	MID
9	Nerstane N920002	53	75.0	50.1	MID
10	One Oak No. 2 OO-26	52	67.2	39.9	MID
11	Roseville Park RP24	53	56.6	49.0	BASE
12	The Mountain Dam 94/ND078	57	69.1	48.3	MID
13	The Mountain Dam 94/NG014	44	66.2	33.1	BASE
Average		50	66.3	42.7	

## Appendices

Newsletter – May 1998

Newsletter – August 1998

Newsletter – November 1998

Newsletter – June/July 1999

Newsletter – November 1999

Explanation of Estimated Breeding Values, Estimated Progeny Values & Indexes (Susan Jarvis)

