

# **New England Merino Sire Evaluation Association**



**2004 Report:      2002 Drop 1st and 2nd Evaluation  
                                 2003 Drop 1st Evaluation**



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# New England Merino Sire Evaluation



2002 drop 1st & 2nd Evaluations

and

2003 drop 1st Evaluation

Conducted by

**NEW ENGLAND MERINO SIRE EVALUATION  
ASSOCIATION**

under the auspices of

**The Australian Merino Sire Evaluation Association**

with support from

**RAMPOWER**

and managed by

**SELECT Breeding Services**

## Foreword

### NEW ENGLAND MERINO SIRE EVALUATION ASSOCIATION

As the result of meetings in late 1989, a group was formed to conduct Merino Sire Evaluation in the New England district of NSW. In December 1992, the New England Merino Sire Evaluation Association was formed.

The first programs of insemination were conducted at 'Mirani' near Walcha, NSW in April 1990 and 1991. In 1992 and 1993 'Gostwyck Station' made available 800 fine wool ewes for the progeny tests, followed by 'Birrahlee' in 1994 and 1995 and then 'Deeargee' in 1996. CSIRO Chiswick hosted the Sire Evaluation program from 1997 to 2003 inclusive. In 2004 the program moved to the University of New England Kirby property. The program has operated with assistance from CSIRO Livestock Industries, NSW DPI and University of New South Wales.

Each year, following the tagging of lambs at around two weeks of age, the ewes and their lambs are moved from their sire lambing plots and boxed as one group. The full drop of each sires' ewe and wether lambs are measured and visually assessed in the spring at 12 months of age in 12 months wool growth and again 12 months later. This booklet reports the results of the evaluation of the 2002 drop and 2003 drop progeny.

#### 2005 Open Day

The 2002 and 2003 drop progeny described in this report will be on display at the annual Open Day on Wednesday 2<sup>nd</sup> March 2005, at CSIRO Chiswick, New England Highway, Armidale NSW. The 2004-drop will be on display at the UNE Kirby property.

**Website:** <http://sbs.arm.li.csiro.au/neses.htm>

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#### Acknowledgements:

The assistance of Bob Marchant, NSW Agriculture, with visual assessments is gratefully acknowledged. Amy Bell, CSIRO Livestock Industries, is thanked for assistance with faecal egg count tests.

Australian Fibre Testing (AFT) at their York Laboratory, WA conducted objective measurements on fleece samples by Laser scan instrumentation. The New England Merino Sire Evaluation Association acknowledges the support of AFT in this work.

**January 2005**

## Contents

The information in this booklet provides a comprehensive assessment of sire's progeny performance, both measured and visually assessed. Figures 1 & 2 for each trial, and the Breeding Objective Index values provide a summary of the results. Additional tables and graphs contain the detailed performance information.

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## Understanding the Results

<b>Sire Graph Code</b>	Allows a sire to be located on the summary graphs and some tables.
<b>Sire Identity</b>	Identity of the breeder and the sire's number or name.
<b>No. of Progeny</b>	The number of progeny a sire had at the most recent measured analysis.
<b>Estimated Progeny Values</b>	Estimated Progeny Values (EPV) express the expected performance of progeny of a sire relative to another sire in the evaluation when mated to an equal allocation of ewes. EPV is the unit used to describe the performance of the major measured traits (see information on accuracy p.2). 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.
<b>Measured Traits</b>	<p><b>GFW %</b> Greasy Fleece Weight (percentage)</p> <p><b>CFW %</b> Clean Fleece Weight (percentage)</p> <p><b>FD <math>\mu\text{m}</math></b> Average Fibre Diameter (micron)</p> <p><b>BWT %</b> Body Weight (percentage)</p> <p><b>FDCV %</b> Fibre Diameter Coefficient of Variation</p> <p><b>Yld %</b> Washing yield of the midside sample</p> <p><b>SLen</b> Staple Length measured in mm at the midside</p> <p><b>SStr</b> Staple Strength measured in N/ktex on 10 staples from the midside</p> <p><b>FEC</b> Faecal Egg Count. FEC values relate to the susceptibility or resistance to infection by worms:          - Highly Susceptible: 0.75 &amp; higher      - Highly Resistant: -0.75 &amp; lower          - Susceptible: 0.50 to 0.75                      - Resistant: -0.50 to -0.75          - Mod. Susceptible: 0.25 to 0.5                - Mod. Resistant: -0.25 to -0.5</p> <p><b>Note: Average susceptibility for Faecal Egg Count: 0.25 to -0.25</b></p>
<b>Sire Averages</b>	<p>Sire Averages are the average performance of all the progeny of a sire. No account is made for factors, which can improve the accuracy.</p> <p><b>Fibre Curvature</b> relates strongly to crimp frequency (reported in Table 4).</p> <p><b>Face Cover</b> 1 to 5 score, with 1 being very open and 5 very muffled.</p> <p><b>Fleece Rot Score</b> the average degree of fleece rot of progeny based on a 0 to 5 score with 0 = no fleece rot or colour, 1 = band of colour, and 5 = a very high level of fleece rot.</p> <p><b>Fleece Rot Incidence</b> The percentage of a sire's progeny with some level (that is a score from 1 to 5) of fleece rot.</p> <p><b>Staple Weathering</b> 1 to 5 score with 1 being almost no weathering and 5 very weathered. It is defined as the deterioration of the staple due to dust, water (not including fleece rot) and light.</p> <p><b>Nourishment</b> 1 to 5 score with 1 being very little and 5 very nourished. It is defined as the quantity and distribution of wax in the fleece wool.</p> <p><b>Colour</b> is the degree of whiteness of the wool scored from 1 (white) to 5 (discoloured).</p> <p><b>Neck/Body Development (Wrinkle)</b> 1 to 5 score with 1 being very little cover / development and 5 a lot. Neck development is defined as the quantity and quality of wrinkle on the apron and back of the neck. Body development is the quantity and quality of wrinkle on the body.</p> <p><b>Body Size</b> 1 to 5 score with 1 being large size and 5 being small size. Body size is the overall body proportion; including frame, depth, width, length, spring of rib and bone.</p> <p><b>Pigmentation</b> scored 1 to 5 for pigmented wool and pigmented skin. Significant negative expressions are recorded as a 5. Pigmented wool is recorded for black lambs or pigmented fibres (random spots) or pigmented hairs (halo-hair, leg, ears, eye lashes). Pigmented skin is pigmentation not on the shorn areas of the sheep and not covered by pigmented hairs or fibres described above.</p>
<b>Index Options</b>	Breeding Objective Index options provide the relative value of sires based on a combination of the <b>measured traits</b> - CFW, FD, FDCV & 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 that can be expected.

## Understanding the Results (cont.)

**The RAMPOWER standard indexes – 3%, 6% and 12% Micron Premium (MP)** - have been endorsed by the Australian Merino Sire Evaluation Association as the base indexes for sites to provide combined measured trait results (Table 5). **3% MP:** Maintain FD while maximising the increase in CFW, maintaining BWT and improving FDCV at 1/5<sup>th</sup> the value of FD which is in line with spinning performance. **6%MP:** Moderate level of downward pressure on FD, while maintaining a high level of increase in CFW, maintaining BWT and improving FDCV at 1/5<sup>th</sup> the FD value. **12%MP:** A high level of downward pressure on FD, while obtaining a small increase in CFW, maintaining BWT and improving FDCV sufficiently to maintain staple strength.

**Additional indexes** 20% + SS and 30% + SS indexes also appear in Table 5. The use of these indexes would result in increasingly high levels of downward pressure on FD, whilst maintaining or slightly reducing fleece weight. Staple strength is maintained.

<b>Classer's Grade</b>	Two classers grade all progeny as either Tops, Flocks or Culls based on their visual assessment of all traits. The percentage of <b>Tops</b> and <b>Culls</b> is presented.
<b>Group Traits</b>	The performance for a comprehensive list of traits (in addition to those measured) are scored by the two classers as 'Positive', 'Average', or 'Negative' performance. Traits are grouped into <b>Conformation</b> , <b>Wool Quality</b> and <b>Markings</b> 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 the group.
<b>Individual Traits</b>	The percentage of progeny which score 'Positive' or 'Negative' for each trait. The table lists individual traits within their Trait Group. A Positive % that is <b>above</b> the group's average indicates good performance for that trait. A Negative % that is <b>below</b> average indicates good performance. In addition, the percentage of animals with each sire group for each particular score, is reported in new tables from the 2003 report onwards.
<b>Progeny Group Classing</b>	An assessment of the evenness of progeny groups carried out in half wool between 1st & 2nd evaluations. Classers assess the progeny for wool quality, wool quantity, constitution and conformation - each of 10 points with a maximum score of 30.

### Summary Graphs

Performance distribution graphs provide a summary of performance of sires for two traits such as **Classer's Grade Tops/Culls**. 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 Tops / Low Culls.

### Accuracy of Estimated Progeny Values

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

Estimated Progeny Values improve the accuracy of sire results because they account for the association between traits, adjustment for birth effects and the number of progeny a sire has in the analysis.

*True* Progeny Values would be achieved if the number of progeny evaluated 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 is higher as (i) 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).

### Sire Codes

Sire codes are an international system which provides a unique number for all sheep when processing across flock data. A sire code has 16 digits:

2 for breed of flock: 50 (Merino) and 60 (Poll Merino)  
4 for flock. AASMB flock code or unregistered code  
4 for year of drop  
6 for tag number used in breeders records

## Understanding the Results (cont.)

### Wool Quality and Fleece Value

Wool Quality performance is described by Style Grade, Staple Length, Colour, Strength and Quality Number in Table 3. All fleeces were assessed at shearing for Length, Style and Colour as described by the AWEX type system (Style with additional grades as described following the Table).

**Style Grade** is assigned using a numbering system from 1 to 9:

Grade	Style	Description
1	SPN+	Long, soft, bright, well nourished wool with minimum dust penetration and well defined, even crimp.
2	SPN	Good length, soft, bright well nourished wool, very slight tip and well defined even crimp.
3	SPN-	Good length, soft, bright, well nourished wool, some dust penetration, well-defined crimp, with some variation allowed throughout the fleece.
4	BTM+	Good length and colour, some dryness allowed, some dust penetration, good crimping with some variation of crimping and length allowed through the fleece.
5	BTM	Good length and colour, some dryness allowed, some dust penetration, some variation in character and length throughout the fleece.
6	GTM+	Good length and medium colour, dry wools with dust penetration, variation in crimping and length throughout the fleece.
7	GTM	Good to medium length, medium colour, drier wools, variations throughout the fleece for crimping length and or tensile strength.
8	ATM+	Good to medium length, medium to heavy colour, poor crimp definition and variation in length.
9	ATM	Short, harsh, medium to heavy colour, dry wool, with dust penetration and wasty tip, ill-defined crimp and lacking in tensile strength.

**Staple Length** is assessed at shearing as A (=1), B (=2), or C (=3) length (but is not reported). A lower number means longer staples. The actual staple length is calculated in millimetres in the lab (AFT) from the midside sample and is reported in Tables 3A and 3B.

**Colour** is assessed at shearing as nil (=1), H1 (=2), or H2 (=3). A lower number means less colour.

**Staple Strength** is assessed at shearing as sound (=1), W1 (=2), or W2 (=3) strength (but is not reported). A lower number means sounder wool. The actual staple strength is calculated in Newtons per kilotex in the lab (AFT) from the midside sample and is reported in Tables 3A and 3B.

**Quality Number** is assessed at shearing as 74's, 70's, 66's etc. A lower number means bolder crimp.

**Fleece Value** (\$/fleece) – The combination of style grade, staple length, colour and strength is used to value each fleece, according to its fibre diameter. Estimates of clean price (c/kg) was obtained using AWI's Pricemaker web site ([http://www.pricemaker.info/price\\_app/index.php](http://www.pricemaker.info/price_app/index.php)), using sire progeny group averages for fibre diameter, staple strength, point of break (mid), staple length, and yield. Vegetable matter of 0.4% and colour of "H0 None" were used for all sire groups.. The prices were estimated for each style grade observed in a progeny group, and then combined into a weighted average. This weighted average was then multiplied by the average clean fleece weight of the progeny group to arrive at the \$/fleece (fleece value). Table 3A shows the average fleece values for each progeny group, while Table 3B shows the breakdown by style grade. Both tables show the premiums / discounts for wool quality traits. The timescale used to estimate price was "Latest 3 full seasons (average)", for the Northern region.

### Link Sires

Link Sires are evaluated to provide links between other Central Test Sire Evaluation Sites & Years. Links are entered at the request of the Association and the agreement of the owner. Link Sires are marked by an asterisk (\*) in tables and graphs.

## 2002 drop 1<sup>st</sup> and 2<sup>nd</sup> Evaluations

### New England Merino Sire Evaluation 2002 drop 1<sup>st</sup> & 2<sup>nd</sup> Evaluations

1st Evaluation: Age - 12 months    Wool growth - 12 months

2nd Evaluation: Age - 24 months    Wool growth - 12 months

#### Sire and owner details

Graph Code	Sire Identity & Sire Code	Contact Name and Address	Phone	Fax
1	<b>Cressbrook 99/219</b> 5023021999000219	Lachlan Fulloon <a href="mailto:cressbrk@bigpond.com">cressbrk@bigpond.com</a> 'Cressbrook', Armidale NSW 2350	02 6775 1217	02 6775 1341
2	<b>Grindon 2000-0118</b> 5044552000000118	RF & EA Ritson <a href="mailto:grindon@mns.net.au">grindon@mns.net.au</a> RMB 150, Boyup Brook WA 6244	08 9765 3053	08 9765 3006
3	<b>Havilah North 99-299</b> 5039341999000299	AJ & CJ White <a href="mailto:ajcjlw@winsoft.net.au">ajcjlw@winsoft.net.au</a> Welshville, Stoney Creek Road, Mudgee NSW 2850	02 6373 5265	02 6373 5400
4	<b>Hazeldean 9.15873</b> 5003831999015873	Jim Litchfield <a href="mailto:admin@hazeldean.com.au">admin@hazeldean.com.au</a> Hazeldean Pty Ltd, 'Hazeldean', Cooma NSW 2630	02 6453 5555	02 6453 5526
5	<b>Mirani 297.8</b> 5007321998980297	Hugh Nivison <a href="mailto:mirani@mirani.org">mirani@mirani.org</a> 'Mirani', Walcha NSW 2354	02 6777 1360	02 6777 2683
6	<b>Misty Hills Billy the Kid</b> 50446920000B0621	Russell & Heather Meaton <a href="mailto:mistyhills@westnet.com.au">mistyhills@westnet.com.au</a> RMB 446, Kojonup WA 6395	08 9834 1030	08 9834 1030
7	<b>Nerstane 980017</b> 503298199890017	John McLaren <a href="mailto:info@nerstane.com.au">info@nerstane.com.au</a> 'Nerstane', Woolbrook NSW 2354	02 6777 5881	02 6777 5922
8	<b>Roseville Park RP 9-17</b> 5041661999000017	<a href="mailto:rosevillepark@ozemail.com.au">rosevillepark@ozemail.com.au</a> Graham & Sally Coddington 'Glenwood', Dubbo NSW 2830	02 6887 7230	02 6887 7234
9*	<b>Ruby Hills RH7099</b> 5041201997007099	A & AH Burgess <a href="mailto:rubyhills@bigpond.com">rubyhills@bigpond.com</a> 'Ruby Hills', Walcha NSW 2354	02 6777 2102	02 6778 0009
10	<b>T13 00A3334</b> 50499720000A3334	Ian Purvis <a href="mailto:ian.purvis@csiro.au">ian.purvis@csiro.au</a> CSIRO Livestock Industries Locked Bag 1, Armidale NSW 2350	02 6776 1373	02 6776 1333
11	<b>The Grange GR-000466</b> 5046702000000466	Lukis Blake <a href="mailto:Lukis.Blake@thegrange.biz">Lukis.Blake@thegrange.biz</a> 'Egerton' 12571 West Swan Road Belhus WA 6069	08 9296 1880	08 9296 1088
12	<b>Toland Red 154</b> 504485199900R154	PC & G Toland <a href="mailto:toland@hdc.com">toland@hdc.com</a> RMB 2005, Violet Town VIC 3669	03 5798 1605	03 5798 1404
13*	<b>Yalgoo 970358</b> 5015521997000358	Grant Nivison <a href="mailto:yalgoo@northnet.com.au">yalgoo@northnet.com.au</a> PO Box 141, Walcha NSW 2354	02 6777 2525	02 6777 2875

\* Link Sires.

**Table 1A - Breeding Objective Indexes - 2002 drop**

		RAMPOWER				
		Standard Indexes			Additional Indexes	
Sire Graph Code	Sire Identity	3% MP	6% MP	12% MP	20% MP + SS	30% MP + SS
1	Cressbrook 99/219	100	101	103	106	106
2	Grindon 2000-0118	88	90	95	101	102
3	Havilah North 99-299	106	107	105	98	97
4	Hazeldean 9.15873	100	99	98	97	96
5	Mirani 297.8	107	105	102	100	99
6	Misty Hills Billy the Kid	101	103	104	105	105
7	Nerstane 980017	95	93	95	99	100
8	Roseville Park RP 9-17	106	101	94	84	82
9	Ruby Hills RH7099	111	109	106	106	105
10	T13 00A3334	88	93	100	106	108
11	The Grange GR-000466	92	92	93	91	92
12	Toland Red 154	122	116	109	109	106
13	Yalgoo 970358	85	91	98	99	101

Note: MP = Micron Premium, SS = Staple Strength

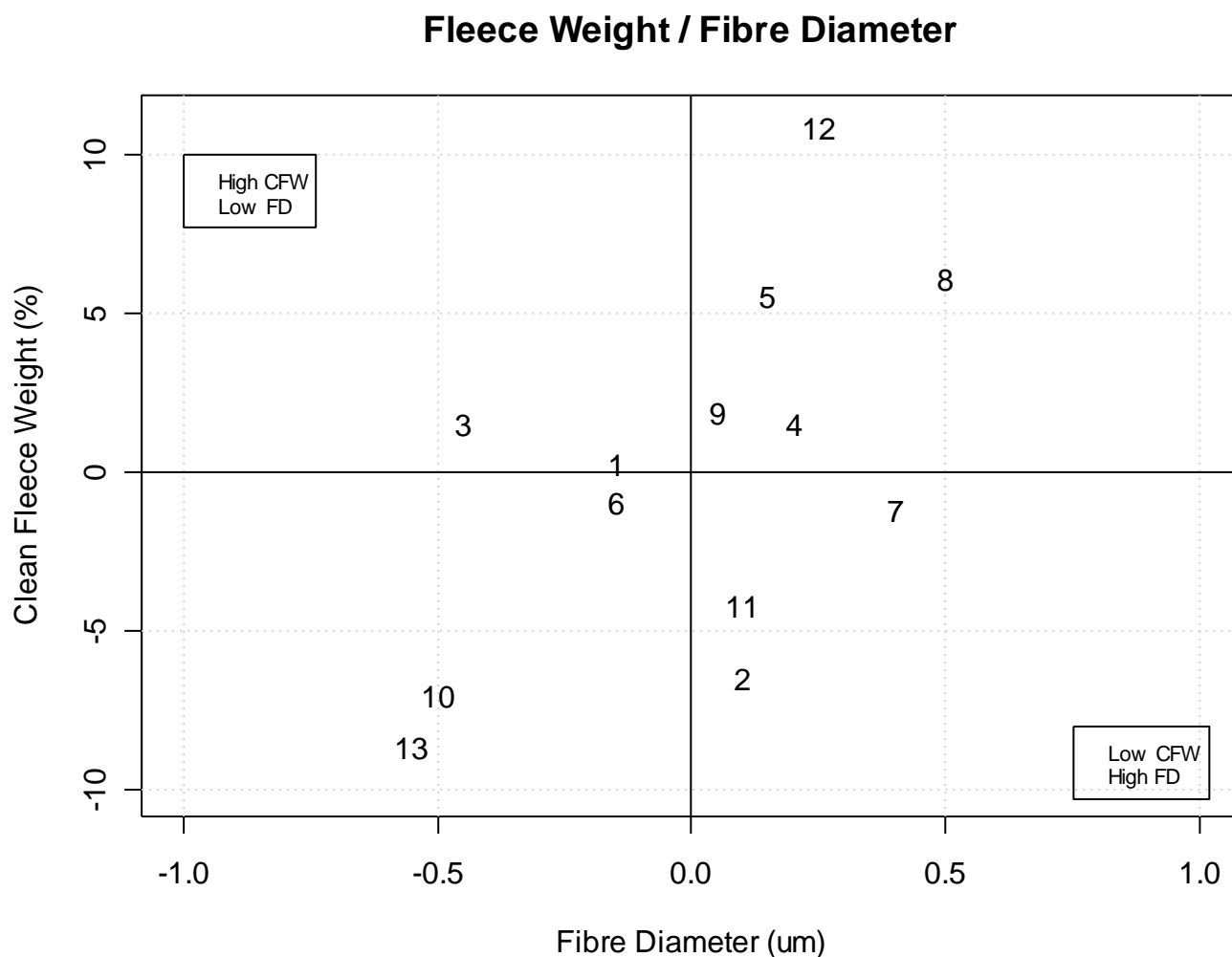
**Table 1 – Major measured traits and classer’s grade– 2002 drop**

Sire Graph Code	Sire Identity	Number Of Progeny	Estimated Progeny Values (deviations)								Classer's Grade% **			
			GFW%		CFW%		FDµm		BWT %		Tops		Culls	
			1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>
1	Cressbrook 99/219	31	-0.4	0.5	-0.2	0.8	-0.2	-0.1	-2.3	-2.3	22	50	3	3
2	Grindon 2000-0118	28	-5.6	-6.3	-6.3	-6.5	0.1	0.1	-0.1	0.4	28	25	4	0
3	Havilah North 99-299	32	1.7	4.1	0.5	2.7	-0.3	-0.6	1.0	0.9	52	36	10	3
4	Hazeldean 9.15873	25	1.4	3.8	1.5	1.7	0.2	0.2	3.7	1.4	40	44	8	0
5	Mirani 297.8	29	7.7	3.0	7.5	3.7	0.1	0.2	-3.1	-3.0	22	37	3	3
6	Misty Hills Billy the Kid	25	-3.0	1.6	-2.6	0.8	0.0	-0.3	-1.9	-1.9	36	56	0	0
7	Nerstane 980017	28	-0.1	-2.5	0.1	-2.3	0.3	0.5	3.8	2.9	51	74	6	7
8	Roseville Park RP 9-17	26	6.3	5.2	6.6	5.7	0.6	0.4	-1.2	-3.0	35	30	11	11
9	Ruby Hills RH7099	22	-0.5	0.5	1.5	2.4	0.0	0.1	0.6	2.7	26	69	6	0
10	T13 00A3334	27	-5.9	-8.0	-5.9	-8.1	-0.6	-0.4	-3.2	-1.6	30	33	19	7
11	The Grange GR-000466	26	-2.3	-2.0	-4.8	-3.5	0.2	0.0	2.9	2.8	19	36	9	8
12	Toland Red 154	20	6.9	9.8	9.4	12.5	0.1	0.4	-3.5	-2.9	39	59	6	0
13	Yalgoo 970358	32	-6.1	-9.8	-7.3	-9.9	-0.5	-0.6	3.2	3.6	51	68	2	0
Average (All sires)		27	2.9	3.8	2.3	3.1	16.8	17.7	38.2	39.7	35	47	6	4

\* Link Sires.

\*\* Classer’s assessments are expressed as a percentage of a sire's progeny.

**Figure 1 – Summary Graph - 2002 drop - combined 1<sup>st</sup> and 2<sup>nd</sup> progeny values**



**Table 3 A- Wool Quality and Fleece Value Summary- 2002 drop - 2<sup>nd</sup>**

Description:

Note: Additional information on the style grade and price can be located on page 3.

Prices and premiums / discounts were obtained from the AWI Pricemaker using latest 3 full seasons (average) and northern region.

[http://www.pricemaker.info/price\\_app/index.php](http://www.pricemaker.info/price_app/index.php)

Ram Name	GROUP AVERAGE									PREMIUMS (+) / DISCOUNTS (-)					Price (Cents/kg)	Fleece value (\$/fleece)
	Style	Colour	Quality	POB	SStr	SLen	FD	Yld	CFW	SStr	POB	SLen	VM	Total		
	grade		Number	Mid %	(N/ktex)	(mm)	(um)	(%)	(kg)							
Cressbrook 99/219	3.4	1.0	70	13	41	94	17.7	82.9	3.2	65	61	-65	-4	57	1584	<b>55.60</b>
Grindon 2000-0022	3.5	1.1	70	19	40	91	17.8	81.6	3.0	41	50	-29	-4	58	1530	48.61
Havilah North 99-299	4.0	1.3	67	23	35	93	17.0	81.6	3.1	-80	59	-69	-6	-96	1867	<b>56.92</b>
Hazeldean 9.15873	3.8	1.2	68	26	35	100	17.8	80.8	3.2	-60	40	-167	-4	-191	1281	<b>41.60</b>
Mirani 297.8	3.9	1.1	68	13	37	97	17.9	83.1	3.3	-20	57	-105	-4	-72	1345	<b>44.56</b>
Misty Hills Billy The Kid	3.5	1.0	70	23	40	91	17.4	81.3	3.1	48	51	-34	-5	60	1757	<b>57.78</b>
Nerstane 980017	3.7	1.1	69	22	43	102	18.3	81.7	2.9	94	39	-181	-4	-53	1199	<b>35.96</b>
Roseville Park RP 9-17	4.1	1.1	66	6	33	109	17.9	83.1	3.4	-95	65	-400	-4	-434	983	<b>32.26</b>
Ruby Hills RH7099	3.7	1.0	69	28	39	99	17.8	84.2	3.2	19	38	-147	-4	-94	1378	<b>45.19</b>
T13 2000A3334	3.5	1.2	70	14	40	90	17.1	82.8	2.8	53	74	-28	-6	93	1983	<b>58.05</b>
The Grange GR-000466	3.9	1.5	70	11	36	95	17.5	81.3	3.2	-46	69	-85	-5	-68	1571	<b>50.94</b>
Toland Red 154	4.1	1.1	65	4	42	107	18.0	84.6	3.6	79	64	-325	-4	-186	1180	<b>42.00</b>
Yalgoo 970358	3.6	1.1	69	7	37	93	17.2	82.4	2.8	-26	85	-66	-6	-13	1877	<b>55.63</b>
<b>Average (all sires)</b>	<b>3.7</b>	<b>1.1</b>	<b>69</b>	<b>16</b>	<b>38</b>	<b>96</b>	<b>17.7</b>	<b>82.1</b>	<b>3.1</b>						<b>1503</b>	<b>48.08</b>

**Table 3B – Wool Quality and Fleece Value Detail - 2002 drop - 2<sup>nd</sup>**

Ram Name	Style grade	% grade	GROUP AVERAGE				PREMIUMS (+) / DISCOUNTS (-)										Price (Cents/kg)	Fleece value (\$/fleece)
			Colour	Quality Number	POB Mid %	SStr (N/ktex)	SLen (mm)	FD (um)	Yld (%)	CFW (kg)	SStr	POB	SLen	VM	Total			
Cressbrook 99/219	3	70	1.0	70	13	41	94	17.7	82.9	3.2	75	70	-75	-5	65	1816	58.79	
	4	19									63	59	-63	-4	55	1527	49.44	
	5	11									58	54	-58	-4	50	1410	45.65	
Grindon 2000-0022	3	54	1.1	70	19	40	91	17.8	81.6	3.0	47	57	-33	-5	66	1735	52.12	
	4	38									40	48	-28	-4	56	1479	45.00	
	5	8									37	45	-26	-4	52	1376	42.00	
Havilah North 99-299	3	24	1.3	67	23	35	93	17.0	81.6	3.1	-94	69	-80	-7	-112	2187	68.00	
	4	52									-77	56	-66	-6	-93	1786	55.00	
	5	24									-70	51	-60	-5	-84	1628	50.00	
Hazeldean 9.15873	3	25	1.2	68	26	35	100	17.8	80.8	3.2	-68	45	-189	-5	-217	1452	47.00	
	4	70									-58	38	-161	-4	-185	1238	40.00	
	5	5									-54	36	-150	-4	-172	1152	37.00	
Mirani 297.8	3	28	1.1	68	13	37	97	17.9	83.1	3.3	-22	63	-117	-5	-81	1506	50.00	
	4	52									-19	55	-102	-4	-70	1305	43.00	
	5	20									-18	52	-95	-4	-65	1223	41.00	
Misty Hills Billy The Kid	3	57	1.0	70	23	40	91	17.4	81.3	3.1	56	60	-40	-6	70	2055	63.00	
	4	35									46	49	-33	-5	57	1682	52.00	
	5	9									42	44	-30	-4	52	1535	47.00	
Nerstane 980017	3	37	1.1	69	22	43	102	18.3	81.7	2.9	101	42	-196	-4	-57	1296	38.00	
	4	56									92	38	-178	-4	-52	1178	35.00	
	5	7									88	36	-170	-4	-50	1122	33.00	

**Table 3B Continued – Wool Quality and Fleece Value Detail - 2002 drop - 2<sup>nd</sup>**

Ram Name	Style grade	% grade	GROUP AVERAGE				SStr (N/ktex)	SLen (mm)	FD (um)	Yld (%)	CFW (kg)	PREMIUMS (+) / DISCOUNTS (-)					Price (Cents/kg)	Fleece value (\$/fleece)
			Colour	Quality Number	POB Mid %	POB						SSStr	POB	SLen	VM	Total		
Roseville Park RP 9-17	3	16	1.1	66	6	33	109	17.9	83.1	3.4	-106	73	-448	-5	-486	1101	37.00	
	4	58									-92	63	-388	-4	-421	954	32.00	
	5	26									-86	59	-363	-4	-394	894	30.00	
Ruby Hills RH7099	3	33	1.0	69	28	39	99	17.8	84.2	3.2	22	43	-167	-5	-107	1562	50.00	
	4	62									18	37	-142	-4	-91	1332	43.00	
	5	5									17	34	-132	-4	-85	1239	40.00	
T13 2000A3334	3	57	1.2	70	14	39	90	17.1	82.8	2.8	62	86	-33	-7	108	2323	63.00	
	4	38									51	71	-27	-5	90	1898	52.00	
	5	5									46	64	-25	-5	80	1728	47.00	
The Grange GR-000466	3	41	1.5	70	11	36	95	17.5	81.3	3.2	-54	80	-99	-6	-79	1834	58.00	
	4	29									-44	66	-82	-5	-65	1504	48.00	
	5	29									-40	60	-75	-4	-59	1374	44.00	
Toland Red 154	3	6	1.1	65	4	42	107	18.0	84.6	3.6	88	71	-362	-5	-208	1312	48.00	
	4	82									77	62	-316	-4	-181	1147	42.00	
	5	12									73	59	-298	-4	-170	1082	39.00	
Yalgoo 970358	3	48	1.1	69	7	36	93	17.2	82.4	2.8	-31	100	-78	-7	-16	2199	62.00	
	4	48									-25	81	-63	-5	-12	1796	50.00	
	5	4									-23	74	-58	-5	-12	1636	46.00	

Note: Additional information on the style grade and price can be located on page 3.

Prices and premiums / discounts were obtained from the AWI Pricemaker using latest 3 full seasons (average) and northern region.

[http://www.pricemaker.info/price\\_app/index.php](http://www.pricemaker.info/price_app/index.php)

**Table 4 – Progeny values and averages for additional traits - 2002 drop**

Sire Graph Code	Sire Identity	Estimated Progeny Value (devs)					Curvature Mean 2 <sup>nd</sup>	Face Cover 2 <sup>nd</sup>	Wrinkle Neck 2 <sup>nd</sup>	Scr Body 2 <sup>nd</sup>	Fleece Rot			
		CV %	Yld%	SLen	SStr	FEC					Score		Incid%	
		1&2	1&2	2 <sup>nd</sup>	2 <sup>nd</sup>	1 <sup>st</sup>					1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>
1	Cressbrook 99/219	-0.2	0.0	-1.5	1.8	0.09	104.9	3.0	2.5	1.7	0.3	0.7	6	20
2	Grindon 2000-0118	<b>-0.9</b>	-0.5	-3.2	<b>2.3</b>	-0.01	102.7	3.3	<b>1.8</b>	1.5	0.7	0.7	28	18
3	Havilah North 99-299	1.3	-0.2	-3.8	-4.1	0.29	97.4	3.4	2.4	1.7	0.7	0.8	15	22
4	Hazeldean 9.15873	-0.3	0.4	1.3	-0.9	-0.13	100.0	3.9	2.3	1.4	0.3	<b>0.4</b>	8	12
5	Mirani 297.8	0.2	0.2	1.0	0.1	<b>-0.15</b>	95.9	3.2	2.4	1.6	0.7	1.1	25	31
6	Misty Hills Billy the Kid	-0.4	0.3	-3.9	0.4	0.30	105.4	3.5	2.6	1.8	0.5	0.6	12	20
7	Nerstane 980017	<b>-0.8</b>	-0.1	3.6	<b>2.6</b>	0.28	97.7	3.2	<b>2.0</b>	1.3	<b>0.1</b>	<b>0.4</b>	<b>4</b>	15
8	Roseville Park RP 9-17	1.0	0.3	<b>6.7</b>	-4.7	-0.10	95.4	<b>2.8</b>	2.2	<b>1.2</b>	0.2	0.9	<b>4</b>	23
9	Ruby Hills RH7099	-0.3	<b>0.8</b>	1.3	1.2	<b>-0.15</b>	100.2	<b>2.8</b>	2.3	1.4	<b>0.1</b>	<b>0.2</b>	<b>4</b>	<b>4</b>
10	T13 00A3334	-0.2	-0.3	-3.9	1.9	-0.07	106.3	3.6	2.2	1.5	0.3	0.8	15	22
11	The Grange GR-000466	0.4	-1.2	-2.8	-1.7	<b>-0.15</b>	104.7	3.4	2.3	1.3	0.7	1.1	28	29
12	Toland Red 154	0.1	<b>1.1</b>	<b>6.7</b>	<b>2.3</b>	-0.13	91.7	3.1	2.2	1.3	0.2	<b>0.4</b>	10	15
13	Yalgoo 970358	-0.1	-0.7	-1.6	-1.1	-0.06	104.3	<b>2.5</b>	2.2	<b>1.2</b>	0.4	<b>0.4</b>	22	<b>10</b>
Average (All sires)		<b>18.5</b>	<b>82.1</b>	<b>95.8</b>	<b>37.9</b>		<b>100.5</b>	<b>3.2</b>	<b>2.3</b>	<b>1.4</b>	<b>0.4</b>	<b>0.6</b>	<b>14</b>	<b>19</b>

Note: Averages for CV % and Yield % are for the 2nd shearing.

Explanation of the results presented in the tables and graphs is available on pages 1-3.

**Table 5 – Classer’s assessments - 2002 drop – 1<sup>st</sup> and 2<sup>nd</sup> assessment**

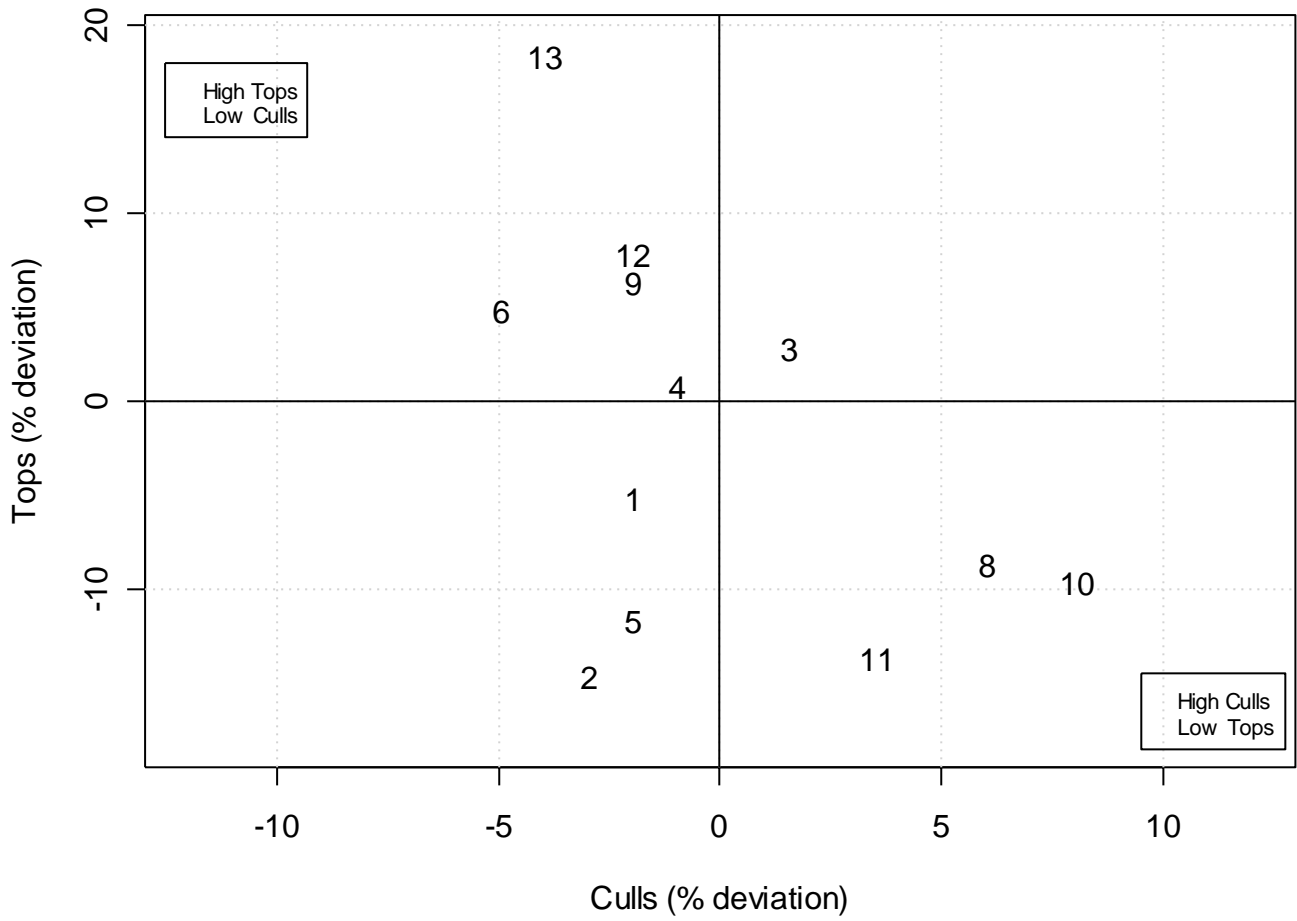
Sire Graph Code	Sire Identity	Number Of Progeny	Multiple Scanning (%)	Classer’s Grade % **			
				Tops		Culls	
				1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>
1	Cressbrook 99/219	30	43	22	50	3	3
2	Grindon 2000-0118	27	41	28	25	4	<b>0</b>
3	Havilah North 99-299	32	35	<b>52</b>	36	10	3
4	Hazeldean 9.15873	25	55	40	44	8	<b>0</b>
5	Mirani 297.8	29	25	22	37	3	3
6	Misty Hills Billy the Kid	25	62	36	56	<b>0</b>	<b>0</b>
7	Nerstane 980017	28	43	<b>51</b>	<b>74</b>	6	7
8	Roseville Park RP 9-17	27	49	35	30	11	12
9*	Ruby Hills RH7099	21	42	26	<b>69</b>	6	<b>0</b>
10	T13 00A3334	27	42	30	33	19	7
11	The Grange GR-000466	24	51	19	36	9	8
12	Toland Red 154	20	52	39	59	6	<b>0</b>
13*	Yalgoo 970358	32	51	<b>51</b>	68	<b>2</b>	<b>0</b>
Average (All sires)		<b>27</b>	<b>45</b>	<b>35</b>	<b>47</b>	<b>6</b>	<b>4</b>

\* Link Sires

\*\* Classer’s assessments are expressed as a percentage of a sire’s progeny.

Figure 2 - **Summary Graph** – 2002 drop - combined 1<sup>st</sup> and 2<sup>nd</sup> tops and culls

**Classers Grade**



**Table 6 - Classer's assessments in detail – 2002 drop – 2<sup>nd</sup>**

These tables show the percentage of animals for each score of a trait (as scored by the sheep classer).

**Table 6.1 – BODY SIZE**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		30	53	17	0	0	1.9
Grindon 2000-0118		33	59	7	0	0	1.7
Havilah North 99-299		47	47	6	0	0	1.6
Hazeldean 9.15873		48	44	8	0	0	1.6
Mirani 297.8		45	31	24	0	0	1.8
Misty Hills Billy the Kid		40	52	8	0	0	1.7
Nerstane 980017		57	43	0	0	0	1.4
Roseville Park RP 9-17		63	37	0	0	0	1.4
Ruby Hills RH7099		52	43	5	0	0	1.5
T13 00A3334		37	41	22	0	0	1.9
The Grange GR-000466		63	38	0	0	0	1.4
Toland Red 154		55	45	0	0	0	1.5
Yalgoo 970358		47	50	3	0	0	1.6
<b>Average</b>		47	42	7	0	0	1.6

**Table 6.2 – FEET AND LEGS**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		53	43	3	0	0	1.5
Grindon 2000-0118		56	44	0	0	0	1.4
Havilah North 99-299		31	63	3	3	0	1.8
Hazeldean 9.15873		56	40	4	0	0	1.5
Mirani 297.8		52	48	0	0	0	1.5
Misty Hills Billy the Kid		72	28	0	0	0	1.3
Nerstane 980017		86	14	0	0	0	1.1
Roseville Park RP 9-17		44	44	11	0	0	1.7
Ruby Hills RH7099		48	52	0	0	0	1.5
T13 00A3334		30	67	4	0	0	1.7
The Grange GR-000466		29	63	8	0	0	1.8
Toland Red 154		60	40	0	0	0	1.4
Yalgoo 970358		53	44	3	0	0	1.5
<b>Average</b>		52	45	3	0	0	1.5

**Table 6.3 - COLOUR**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		83	17	0	0	0	1.2
Grindon 2000-0118		67	33	0	0	0	1.3
Havilah North 99-299		41	56	3	0	0	1.6
Hazeldean 9.15873		52	44	4	0	0	1.5
Mirani 297.8		66	31	3	0	0	1.4
Misty Hills Billy the Kid		84	16	0	0	0	1.2
Nerstane 980017		71	29	0	0	0	1.3
Roseville Park RP 9-17		41	59	0	0	0	1.6
Ruby Hills RH7099		76	24	0	0	0	1.2
T13 00A3334		67	33	0	0	0	1.3
The Grange GR-000466		38	63	0	0	0	1.6
Toland Red 154		75	25	0	0	0	1.3
Yalgoo 970358		81	19	0	0	0	1.2
<b>Average</b>		65	35	1	0	0	1.4

**Table 6.4 - CHARACTER**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		60	37	3	0	0	1.4
Grindon 2000-0118		26	63	11	0	0	1.9
Havilah North 99-299		59	41	0	0	0	1.4
Hazeldean 9.15873		52	40	8	0	0	1.6
Mirani 297.8		48	41	10	0	0	1.6
Misty Hills Billy the Kid		72	28	0	0	0	1.3
Nerstane 980017		71	25	4	0	0	1.3
Roseville Park RP 9-17		33	48	19	0	0	1.9
Ruby Hills RH7099		81	19	0	0	0	1.2
T13 00A3334		81	19	0	0	0	1.2
The Grange GR-000466		46	50	4	0	0	1.6
Toland Red 154		60	35	5	0	0	1.5
Yalgoo 970358		81	19	0	0	0	1.2
<b>Average</b>		59	36	5	0	0	1.5

Note: Traits are scored from 1 to 5 with 1 being positive (i.e. little or no fault) and 5 being negative (i.e. large degree of fault). For a more detailed explanation of the scoring for each trait please refer to understanding the results on page 1.

**Table 6 (cont'd) - Classer's assessments in detail – 2002 drop – 2<sup>nd</sup>**

**Table 6.5 – STAPLE WEATHERING**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		30	70	0	0	0	1.7
Grindon 2000-0118		11	89	0	0	0	1.9
Havilah North 99-299		41	53	6	0	0	1.7
Hazeldean 9.15873		4	92	4	0	0	2.0
Mirani 297.8		34	66	0	0	0	1.7
Misty Hills Billy the Kid		28	64	8	0	0	1.8
Nerstane 980017		25	75	0	0	0	1.8
Roseville Park RP 9-17		11	89	0	0	0	1.9
Ruby Hills RH7099		29	71	0	0	0	1.7
T13 00A3334		19	78	4	0	0	1.9
The Grange GR-000466		4	96	0	0	0	2.0
Toland Red 154		5	95	0	0	0	2.0
Yalgoo 970358		28	72	0	0	0	1.7
<b>Average</b>		<b>21</b>	<b>78</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1.8</b>

**Table 6.6 - HANDLE**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		77	20	3	0	0	1.3
Grindon 2000-0118		48	44	7	0	0	1.6
Havilah North 99-299		72	28	0	0	0	1.3
Hazeldean 9.15873		72	12	16	0	0	1.4
Mirani 297.8		62	35	3	0	0	1.4
Misty Hills Billy the Kid		80	20	0	0	0	1.2
Nerstane 980017		93	0	7	0	0	1.1
Roseville Park RP 9-17		52	37	11	0	0	1.6
Ruby Hills RH7099		86	14	0	0	0	1.1
T13 00A3334		78	15	7	0	0	1.3
The Grange GR-000466		54	38	8	0	0	1.5
Toland Red 154		80	20	0	0	0	1.2
Yalgoo 970358		88	9	3	0	0	1.2
<b>Average</b>		<b>72</b>	<b>22</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1.3</b>

**Table 6.7 - NOURISHMENT**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		3	80	17	0	0	2.1
Grindon 2000-0118		0	52	48	0	0	2.5
Havilah North 99-299		0	91	9	0	0	2.1
Hazeldean 9.15873		0	84	16	0	0	2.2
Mirani 297.8		0	83	17	0	0	2.2
Misty Hills Billy the Kid		0	100	0	0	0	2.0
Nerstane 980017		0	93	7	0	0	2.1
Roseville Park RP 9-17		0	67	33	0	0	2.3
Ruby Hills RH7099		5	91	5	0	0	2.0
T13 00A3334		0	89	11	0	0	2.1
The Grange GR-000466		8	58	33	0	0	2.3
Toland Red 154		0	85	15	0	0	2.2
Yalgoo 970358		3	94	3	0	0	2.0
<b>Average</b>		<b>1</b>	<b>82</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>2.1</b>

**Table 6.8 – SKIN PIGMENTATION**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Cressbrook 99/219		43	33	0	0	0	1.1
Grindon 2000-0118		41	52	0	0	0	1.4
Havilah North 99-299		56	28	9	3	0	1.5
Hazeldean 9.15873		56	40	4	0	0	1.5
Mirani 297.8		31	38	21	0	0	1.7
Misty Hills Billy the Kid		44	16	4	0	0	0.9
Nerstane 980017		39	32	7	0	0	1.2
Roseville Park RP 9-17		44	48	7	0	0	1.6
Ruby Hills RH7099		57	29	0	0	0	1.1
T13 00A3334		30	41	19	0	0	1.7
The Grange GR-000466		54	25	17	0	0	1.5
Toland Red 154		60	35	0	0	0	1.3
Yalgoo 970358		31	47	13	0	0	1.6
<b>Average</b>		<b>45</b>	<b>36</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>1.4</b>

**Table 6.9 - Percentage negative comments for conformation and wool pigmentation**

Sire	Jaw	Shoulder/ Back	Wool Pigmentation
Cressbrook 99/219	0	0	0
Grindon 2000-0118	0	0	0
Havilah North 99-299	0	0	0
Hazeldean 9.15873	0	0	0
Mirani 297.8	0	0	0
Misty Hills Billy the Kid	0	0	0
Nerstane 980017	0	0	0
Roseville Park RP 9-17	0	0	0
Ruby Hills RH7099	0	0	0
T13 00A3334	0	0	0
The Grange GR-000466	0	0	0
Toland Red 154	0	0	0
Yalgoo 970358	0	0	0

**Table 7 - Progeny Group Classing - 2002 drop**

Sire Identity	Progeny Group Classing			
	Multiple Scanning (%)	Positive comments	Negative Comments	Score Rank
Cressbrook 99/219	43	Good staple length	Short necks, foot structure, variable in wool, harsh wool style and handle	23.5 9
Grindon 2000-0118	41	Good wool quality, evenness, style and softness	Eye pigment	31.0 3
Havilah North 99-299	35	Brightness and style	Short staple, structure defects	24.0 8
Hazeldean 9.15873	55		Conformation & structural defects, wool - short, harsh handle, over nourished	18.5 12
Mirani 297.8	25	Good staple length, softness, brightness	Pasterns, variable conformation, wool variability	25.5 6
Misty Hills Billy the Kid	62	Evenness of frame size, consistency of type and style, wool brightness and softness	Poor leg and foot structure, Hocks, short staple length	25.0 7
Nerstane 980017	43	Evenness of frame size and shape	Feet and leg structure, short staple length, wool variability, color	26.5 5
Roseville Park RP 9-17	49	Evenness of frame size	Toe structure, variability of wool style, color in wool, lacks style, harsh, short staple length	22.0 10
Ruby Hills RH7099	42	Consistency of style and type, evenness of frame	Cream, eye pigmentation	33.5 2
T13 00A3334	42	Evenness of group (body size), wool cut	Pasterns, weak shoulders, weathered wool, wool variability, harshness	21.0 11
The Grange GR-000466	51		Wool variability, harshness, short staple, flat, lacks style	24.0 8
Toland Red 154	52	Evenness of conformation, even wool quality, softness	Some face cover, eye pigmentation, short staple length	28.5 4
Yalgoo 970358	51	Good staple length, brightness, good handle	Pigmentation	34.0 1
Average	45			25.9

## Manager's Report - 2002 drop – Chiswick

### Location

Chiswick is a CSIRO property located between Armidale and Uralla. It has a long history of pasture improvement and has a carrying capacity of 9.0 DSE/ha.

### Seasonal Conditions

The season was average in 2004. The sheep were fed with faba beans from July until the end of September, when the pasture started to grow. The lambs were weaned onto good pasture in January 2004.

Month 03-04	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Rainfall (mm)	7	104	62	147	212	117	42	26	15.5	23	42	49	53

### Evaluation Program

Event	Date	Age (months)	Wool (months)
Birth date	16 – 21 Sept 2002		
Tagging date	3 October 2002	1	
Lamb marking/mulesing	18 November 2002	1	
Weaning	7 January 2003	4	
Lamb crutching	February 2003	6	6
1st Assessment/shearing	18 – 19 September 2003	12	12
1 <sup>st</sup> Weighed and scored	1 October 2003	12	0
2nd Assessment/shearing	16 September 2004	24	12
2 <sup>nd</sup> Weighed and scored	30 September 2004	24	0

### Management Events

Event	1 <sup>st</sup> Stage	2 <sup>nd</sup> Stage
Vaccination	Second vaccine 14 March 2003	Vaccinated 18 March 2004
Drenching	January, April, June, Dec 2003	February, March, May, August 2004
Supplementary feed	Finished feeding faba beans in March 2003	July until end September 2004
Dipping/Jetting	No dipping. Jetted 7 January 2003 with Vetrazin	Jetted 23 March 2004 with Click

### Classers who carried out Progeny Assessment

1st Stage: (i) Alan Clarke  
 2nd Stage: (i) Alan Clarke

*Mr Ray Honnery, Flock Manager, CSIRO Chiswick*

## 2003 drop 1st Evaluation

### New England Merino Sire Evaluation 2003 drop 1st Evaluation

1st Evaluation:      Age - 12 months      Wool growth - 12 months

#### Sire and owner details

Graph Code	Sire Identity & Sire Code	Contact Name, Address and email (if available)	Phone	Fax
1	<b>Alfoxtan Anzac 01-103</b> 5042942001010103	Andrew & Virginia Crawford <a href="mailto:crawfs@northnet.com.au">crawfs@northnet.com.au</a> 'Kobada', Woolbrook NSW 2354	02 6777 5882	02 6777 5820
2	<b>Cressbrook N82</b> 5023021999000295	Lachlan Fulloon <a href="mailto:cressbrk@bigpond.com">cressbrk@bigpond.com</a> 'Cressbrook', Armidale NSW 2350	02 6775 1217	02 6775 1341
3*	<b>Cromarty GR87 "Zen"</b> 6012771997970087	Cath & Huntly Gordon <a href="mailto:cath@northnet.com.au">cath@northnet.com.au</a> 'Cromarty' Ben Lomond NSW 2365	02 6733 2103	02 6733 2114
4	<b>Grindon Black 22</b> 5044552000000022	RF & EA Ritson <a href="mailto:grindon@mns.net.au">grindon@mns.net.au</a> RMB 150, Boyup Brook WA 6244	08 9765 3053	08 9765 3006
5	<b>Havilah Nth 010143</b> 5039342001010143	AJ & CJ White <a href="mailto:ajcjh@winsoft.net.au">ajcjh@winsoft.net.au</a> Welshville, Stoney Creek Road, Mudgee NSW 2850	02 6373 5265	02 6373 5400
6	<b>Karalta P931</b> 609117200000P931	Thomas Spielvogel <a href="mailto:tommy.8@bigpond.com">tommy.8@bigpond.com</a> 10 Creamery Road, Meredith VIC 3332	03 5286 1450	03 5341 5551
7	<b>Lynburn 0218</b> 5044892000000218	JD & TW Winter <a href="mailto:winterd@tpg.com.au">winterd@tpg.com.au</a> 'Lynburn' Bugaldie via Coonabarabran NSW 2357	02 6843 4421	02 6843 4421
8	<b>Mirani 481.9</b> 5007321999990481	Hugh Nivison <a href="mailto:mirani@mirani.org">mirani@mirani.org</a> 'Mirani', Walcha NSW 2354	02 6777 1360	02 6777 2683
9*	<b>Nerstane 970590</b> 5032981997970590	John McLaren <a href="mailto:info@nerstane.com.au">info@nerstane.com.au</a> 'Nerstane', Woolbrook NSW 2354	02 6777 5881	02 6777 5922
**	<b>Nerstane 990043</b> 5032981999990043	John McLaren <a href="mailto:info@nerstane.com.au">info@nerstane.com.au</a> 'Nerstane', Woolbrook NSW 2354	02 6777 5881	02 6777 5922
10	<b>Ruby Hills 0188</b> 5041202000000188	A & AH Burgess <a href="mailto:rubyhills@bigpond.com">rubyhills@bigpond.com</a> 'Ruby Hills', Walcha NSW 2354	02 6777 2102	02 6778 0009
11	<b>The Grange GR-100100</b> 5046702001100100	Lukis Blake <a href="mailto:Lukis.Blake@thegrange.biz">Lukis.Blake@thegrange.biz</a> Egerton, 12571 West Swan Road Belhus WA 6069	08 9296 1880	08 9296 1088
12	<b>Yalgoo 420</b> 5015522001010420	Grant Nivison <a href="mailto:yalgoo@northnet.com.au">yalgoo@northnet.com.au</a> PO Box 141, Walcha NSW 2354	02 6777 2525	02 6777 2875

\* Link Sires.

\*\* Insufficient progeny at 1<sup>st</sup> measurement.

**Table 1A – Breeding Objective Indexes – 2003 drop - 1<sup>st</sup>**

Sire Graph Code	Sire Identity	RAMPOWER				
		Standard Indexes			Additional Indexes	
		3% MP	6% MP	12% MP	20% MP + SS	30% MP + SS
1	Alfoxtan Anzac 01-103	95	96	97	94	94
2	Cressbrook N82	100	99	101	109	109
3	Cromarty GR87 "Zen"	91	94	100	108	109
4	Grindon Black 22	98	97	97	97	98
5	Havilah Nth 010143	97	96	96	95	95
6	Karalta P931	95	98	102	102	102
7	Lynburn 0218	107	102	97	98	96
8	Mirani 481	107	101	95	92	91
9	Nerstane 970590	106	103	99	93	92
10	Ruby Hills 0188	107	107	107	107	106
11	The Grange GR-100100	87	92	96	90	92
12	Yalgoo 420	105	104	104	105	105

Note: MP = Micron Premium, SS = Staple Strength

**Table 1 – Major measured traits and classer's grade- 2003 drop**

Sire Graph Code	Sire Identity	Number Of Progeny	Estimated Progeny Values (deviations)				Classer's Grade % **	
			GFW% 1 <sup>st</sup>	CFW% 1 <sup>st</sup>	FDµm 1 <sup>st</sup>	BWT% 1 <sup>st</sup>	Tops 1 <sup>st</sup>	Culls 1 <sup>st</sup>
1	Alfoxtan Anzac 01-103	31	-2.4	-3.3	-0.1	2.3	44	6
2	Cressbrook N82	35	-1.0	0.6	0.1	-2.6	50	2
3	Cromarty GR87 "Zen"	32	-6.6	-6.6	-0.3	-2.4	34	16
4	Grindon Black 22	31	-0.9	-1.0	0.1	7.9	48	7
5	Havilah Nth 010143	30	0.4	-1.9	0.3	-0.6	27	35
6	Karalta P931	31	-3.8	-3.9	-0.4	-4.6	7	23
7	Lynburn 0218	45	7.3	6.8	0.5	-1.9	16	16
8	Mirani 481	37	7.0	7.1	0.4	-2.5	43	0
9	Nerstane 970590	40	4.0	4.5	0.2	-1.8	42	11
10	Ruby Hills 0188	34	1.3	2.8	0.0	2.3	30	19
11	The Grange GR-100100	37	-9.0	-10.0	-0.4	-1.2	31	3
12	Yalgoo 420	33	-0.5	1.1	0.2	1.7	25	17
<b>Average (All sires)</b>		<b>35</b>	<b>2.0</b>	<b>1.6</b>	<b>15.7</b>	<b>25.0</b>	<b>33</b>	<b>13</b>

\* Link Sires.

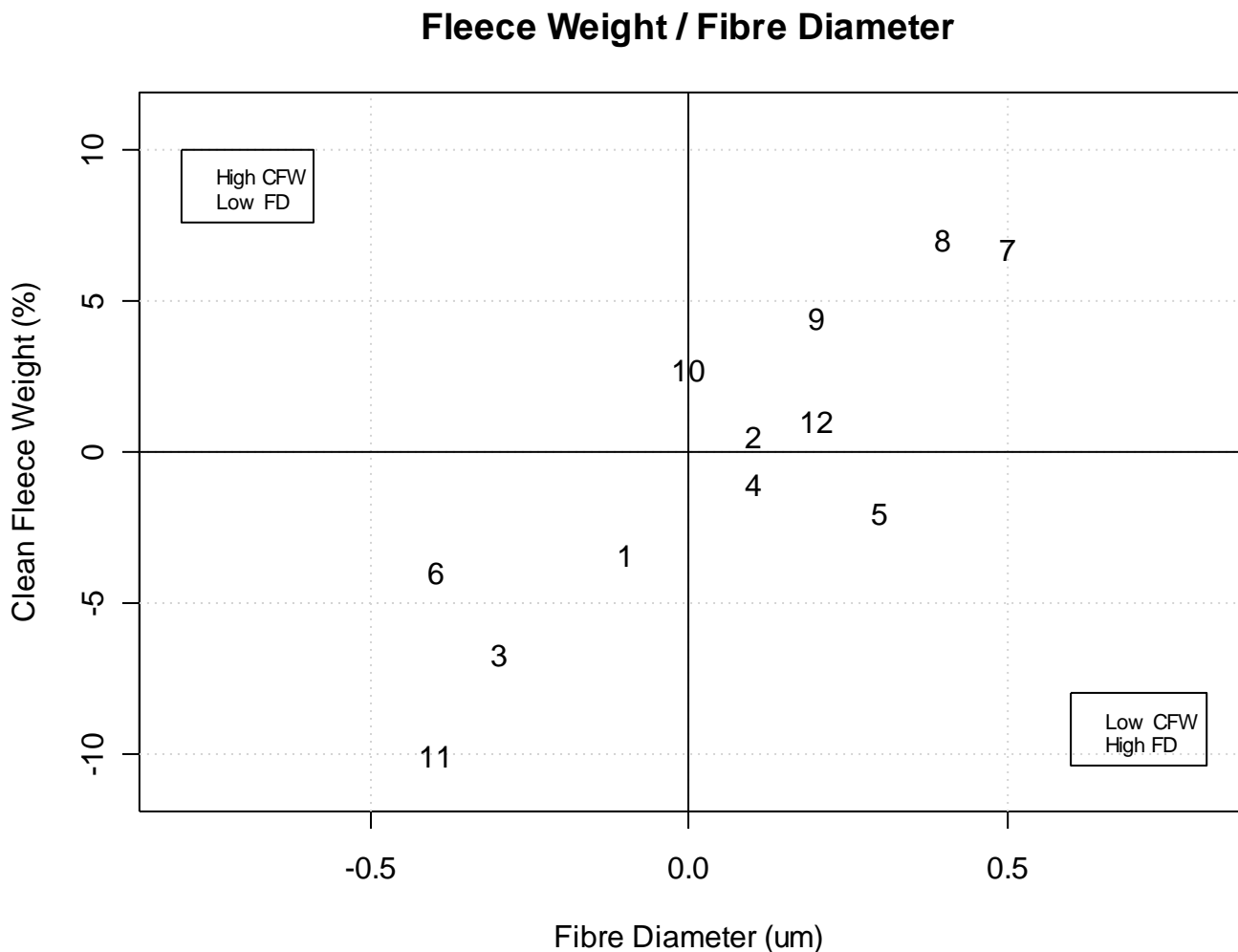
\*\* Classers assessments are expressed as a percentage of a sire's progeny.

**Table 3 – Wool Quality– 2003 drop – 1<sup>st</sup> assessment**

Graph Code	Sire Identity	Style Grade (1-9)	Colour (1-3)	Quality Number	Staple Length mm	Staple Strength N/ktex	CFW (kgs)	Fibre Diameter (µm)
1	Alfoxtton Anzac 01-103	3.5	1.4	68	80.2	38.3	1.5	15.56
2	Cressbrook N82	3.3	1.2	69	73.9	48.8	1.6	15.77
3*	Cromarty GR87 "Zen"	3.4	1.2	71	73.9	45.6	1.4	15.32
4	Grindon Black 22	3.4	1.1	69	85.2	42.6	1.7	15.93
5	Havilah Nth 010143	3.5	1.2	70	71.1	40.4	1.5	15.97
6	Karalta P931	3.2	1.1	71	72.5	39.9	1.4	15.16
7	Lynburn 0218	4.1	1.5	66	86.5	45.2	1.7	16.23
8	Mirani 481	3.5	1.1	68	83.9	41.7	1.7	16.17
9*	Nerstane 970590	3.7	1.1	67	85.8	37.8	1.6	15.91
10	Ruby Hills 0188	3.7	1.7	67	74.0	41.7	1.7	15.67
11	The Grange GR-100100	3.2	1.1	72	67.7	32.9	1.4	15.16
12	Yalgoo 420	3.9	1.4	66	76.1	42.6	1.6	15.84
<b>Average (All sires)</b>		<b>3.5</b>	<b>1.3</b>	<b>69</b>	<b>78.0</b>	<b>41.6</b>	<b>1.6</b>	<b>15.73</b>

Note: Additional information on the style grade and price can be located on page 3.

**Figure 1 – Fleece Value – 2003 drop – 1<sup>st</sup> assessment**



**Table 4 – Progeny values and averages for additional traits - 2003 drop**

Sire Graph Code	Sire Identity	EPVs (deviation)					Curvature Mean 1 <sup>st</sup>	Face Cover 1 <sup>st</sup>	Wrinkle Neck 1 <sup>st</sup>	Score Body 1 <sup>st</sup>	Fleece Rot	
		CV% 1 <sup>st</sup>	Yld% 1 <sup>st</sup>	Slen 1 <sup>st</sup>	SStr 1 <sup>st</sup>	FEC 1 <sup>st</sup>					Score 1 <sup>st</sup>	Incid % 1 <sup>st</sup>
1	Alfoxton Anzac 01-103	0.2	-0.7	2.2	-2.7	-0.03	98.6	3.4	1.8	1.4	0.5	17
2	Cressbrook N82	-0.3	1.0	-2.2	<b>5.5</b>	0.01	103.0	2.9	2.0	1.5	0.2	6
3*	Cromarty GR87 "Zen"	<b>-0.7</b>	-0.4	-2.5	<b>3.1</b>	0.07	106.5	3.4	2.0	1.4	<b>0.0</b>	<b>0</b>
4	Grindon Black 22	-0.5	-0.1	4.8	0.0	<b>-0.17</b>	102.4	3.3	1.7	1.2	<b>0.0</b>	<b>3</b>
5	Havilah Nth 010143	0.2	-2.6	-4.6	-0.4	0.11	107.5	3.7	2.3	1.7	0.2	10
6	Karalta P931	0.3	0.0	-3.2	-0.9	0.32	107.4	2.8	2.0	1.3	0.4	11
7	Lynburn 0218	-0.1	-0.9	<b>6.4</b>	2.1	0.11	97.8	2.8	1.8	1.4	0.3	14
8	Mirani 481	1.2	-0.2	4.5	-0.1	0.35	100.0	3.2	2.1	1.5	0.3	12
9*	Nerstane 970590	0.4	0.3	<b>6.0</b>	-2.4	-0.04	101.7	3.3	2.0	1.2	0.2	8
10	Ruby Hills 0188	-0.4	<b>1.7</b>	-2.7	0.6	<b>-0.17</b>	93.3	3.1	2.2	1.5	1.1	36
11	The Grange GR-100100	1.1	-0.4	-6.1	-5.6	0.02	106.2	4.0	2.1	1.7	<b>0.0</b>	<b>3</b>
12	Yalgoo 420	<b>-0.7</b>	<b>1.9</b>	-0.9	1.3	<b>-0.38</b>	97.0	3.2	1.9	1.2	0.6	17
<b>Average (All sires)</b>		<b>18.8</b>	<b>80.2</b>	<b>77.5</b>	<b>41.4</b>		<b>101.8</b>	<b>3.2</b>	<b>2.0</b>	<b>1.4</b>	<b>0.3</b>	<b>11</b>

Note: Additional information on the results presented in the tables and graphs is available on pages 1-3.

**Table 5 - Classer's assessments - 2003 drop - 1<sup>st</sup> assessment**

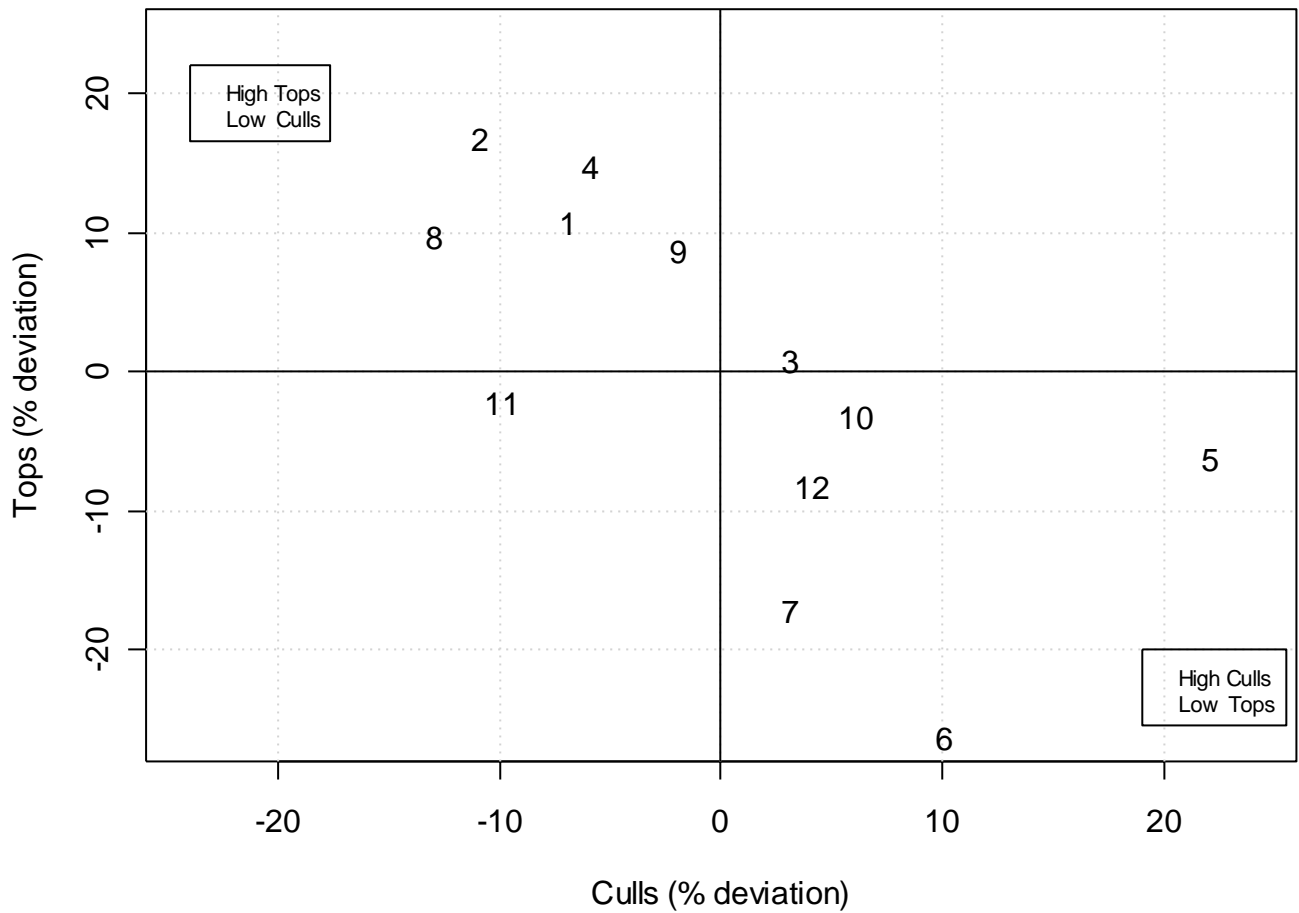
Sire Graph Code	Sire Identity	Number Of Progeny	Multiple Scanning (%)	Classer's Grade %	
				Tops	Culls
1	Alfoxton Anzac 01-103	30	55	44	6
2	Cressbrook N82	35	46	<b>50</b>	<b>2</b>
3*	Cromarty GR87 "Zen"	32	43	34	16
4	Grindon Black 22	31	28	<b>48</b>	7
5	Havilah Nth 010143	29	54	27	35
6	Karalta P931	26	57	7	23
7	Lynburn 0218	43	49	16	16
8	Mirani 481	35	52	43	<b>0</b>
9*	Nerstane 970590	38	54	42	11
10	Ruby Hills 0188	33	41	30	19
11	The Grange GR-100100	32	50	31	3
12	Yalgoo 420	29	39	25	17
<b>Average (All sires)</b>		<b>33</b>	<b>47</b>	<b>33</b>	<b>13</b>

\* Link Sires

\*\* Classer's assessments are expressed as a percentage of a sire's progeny.

Figure 2 - **Summary Graph** - 2003 drop - combined 1<sup>st</sup> and 2<sup>nd</sup> tops and culls

**Classers Grade**



**Table 6 - Classer's assessments in detail - 2003 drop - 1<sup>st</sup>**

These tables show the percentage of animals for each score of a trait (as scored by the sheep classer).

**Table 6.1 – BODY SIZE**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		37	30	33	0	0	2.0
Cressbrook N82		23	40	29	9	0	2.2
Cromarty GR87"Zen"		25	31	34	9	0	2.3
Grindon Black 22		55	32	13	0	0	1.6
Havilah Nth 010143		24	48	21	7	0	2.1
Karalta P931		4	42	50	4	0	2.5
Lynburn 0218		26	42	28	5	0	2.1
Mirani 481.9		11	69	17	3	0	2.1
Nerstane 970590		21	45	26	8	0	2.2
Ruby Hills 0188		24	42	27	6	0	2.2
The Grange GR-100100		25	47	22	6	0	2.1
Yalgoo 420		24	45	31	0	0	2.1
<b>Average</b>		<b>25</b>	<b>43</b>	<b>28</b>	<b>5</b>	<b>0</b>	<b>2.1</b>

**Table 6.2 – FEET AND LEGS**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		33	67	0	0	0	1.7
Cressbrook N82		51	46	0	3	0	1.5
Cromarty GR87"Zen"		34	59	6	0	0	1.7
Grindon Black 22		26	68	7	0	0	1.8
Havilah Nth 010143		38	59	3	0	0	1.7
Karalta P931		23	54	23	0	0	2.0
Lynburn 0218		47	42	12	0	0	1.7
Mirani 481.9		40	57	3	0	0	1.6
Nerstane 970590		61	37	3	0	0	1.4
Ruby Hills 0188		30	52	18	0	0	1.9
The Grange GR-100100		16	69	16	0	0	2.0
Yalgoo 420		28	55	14	3	0	1.9
<b>Average</b>		<b>36</b>	<b>55</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>1.7</b>

**Table 6.3 - COLOUR**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		63	37	0	0	0	1.4
Cressbrook N82		63	34	3	0	0	1.4
Cromarty GR87"Zen"		66	34	0	0	0	1.3
Grindon Black 22		68	32	0	0	0	1.3
Havilah Nth 010143		48	38	14	0	0	1.7
Karalta P931		73	27	0	0	0	1.3
Lynburn 0218		30	58	12	0	0	1.8
Mirani 481.9		60	40	0	0	0	1.4
Nerstane 970590		74	26	0	0	0	1.3
Ruby Hills 0188		61	30	9	0	0	1.5
The Grange GR-100100		72	25	3	0	0	1.3
Yalgoo 420		69	17	14	0	0	1.4
<b>Average</b>		<b>62</b>	<b>33</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1.4</b>

**Table 6.4 – CHARACTER**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		70	30	0	0	0	1.3
Cressbrook N82		54	37	9	0	0	1.5
Cromarty GR87"Zen"		44	44	13	0	0	1.7
Grindon Black 22		52	45	3	0	0	1.5
Havilah Nth 010143		28	48	24	0	0	2.0
Karalta P931		65	31	4	0	0	1.4
Lynburn 0218		49	47	5	0	0	1.6
Mirani 481.9		54	43	3	0	0	1.5
Nerstane 970590		61	32	8	0	0	1.5
Ruby Hills 0188		64	33	3	0	0	1.4
The Grange GR-100100		53	44	3	0	0	1.5
Yalgoo 420		55	41	3	0	0	1.5
<b>Average</b>		<b>54</b>	<b>40</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1.5</b>

Note: Traits are scored from 1 to 5 with 1 being positive (i.e. little or no fault) and 5 being negative (i.e. large degree of fault). For a more detailed explanation of the scoring for each trait please refer to understanding the results on page 1.

**Table 6 (cont'd) - Classer's assessments in detail – 2003 drop - 1<sup>st</sup>**

These tables show the percentage of animals for each score of a trait (as scored by the sheep classer).

**Table 6.5 – STAPLE WEATHERING**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		27	63	10	0	0	1.8
Cressbrook N82		31	69	0	0	0	1.7
Cromarty GR87"Zen"		25	75	0	0	0	1.8
Grindon Black 22		16	84	0	0	0	1.8
Havilah Nth 010143		24	62	14	0	0	1.9
Karalta P931		35	62	4	0	0	1.7
Lynburn 0218		9	79	12	0	0	2.0
Mirani 481.9		17	77	6	0	0	1.9
Nerstane 970590		26	74	0	0	0	1.7
Ruby Hills 0188		15	64	9	9	3	2.2
The Grange GR-100100		31	66	3	0	0	1.7
Yalgoo 420		10	72	14	3	0	2.1
<b>Average</b>		<b>22</b>	<b>70</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>1.9</b>

**Table 6.6 - HANDLE**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		87	13	0	0	0	1.1
Cressbrook N82		77	20	3	0	0	1.3
Cromarty GR87"Zen"		69	25	6	0	0	1.4
Grindon Black 22		74	16	10	0	0	1.4
Havilah Nth 010143		34	38	28	0	0	1.9
Karalta P931		69	23	8	0	0	1.4
Lynburn 0218		60	33	7	0	0	1.5
Mirani 481.9		77	20	3	0	0	1.3
Nerstane 970590		76	11	13	0	0	1.4
Ruby Hills 0188		70	27	3	0	0	1.3
The Grange GR-100100		63	34	3	0	0	1.4
Yalgoo 420		76	21	3	0	0	1.3
<b>Average</b>		<b>69</b>	<b>23</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1.4</b>

**Table 6.7 - NOURISHMENT**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		13	77	10	0	0	2.0
Cressbrook N82		9	80	11	0	0	2.0
Cromarty GR87"Zen"		3	69	28	0	0	2.2
Grindon Black 22		0	94	7	0	0	2.1
Havilah Nth 010143		7	48	45	0	0	2.4
Karalta P931		4	85	12	0	0	2.1
Lynburn 0218		9	67	23	0	0	2.1
Mirani 481.9		9	74	17	0	0	2.1
Nerstane 970590		3	84	13	0	0	2.1
Ruby Hills 0188		3	82	15	0	0	2.1
The Grange GR-100100		9	84	6	0	0	2.0
Yalgoo 420		7	76	17	0	0	2.1
<b>Average</b>		<b>6</b>	<b>77</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>2.1</b>

**Table 6.8 SKIN PIGMENTATION**

Sire	Score:	Positive ← → Negative					Average
		1	2	3	4	5	
Alfoxtton Anzac 103		27	37	10	0	0	1.3
Cressbrook N82		23	29	3	3	0	1.0
Cromarty GR87"Zen"		22	38	3	0	0	1.1
Grindon Black 22		39	36	10	0	0	1.4
Havilah Nth 010143		24	41	0	0	0	1.1
Karalta P931		27	27	23	4	4	1.8
Lynburn 0218		21	37	16	0	0	1.4
Mirani 481.9		40	40	3	0	0	1.3
Nerstane 970590		21	45	5	0	3	1.4
Ruby Hills 0188		21	39	27	3	0	1.9
The Grange GR-100100		31	28	6	0	0	1.1
Yalgoo 420		17	41	21	3	0	1.8
<b>Average</b>		<b>26</b>	<b>36</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>1.4</b>

**Table 6.9 - Percentage negative comments for conformation and wool pigmentation**

Sire	Shoulder		
	Score	/	Wool
	Jaw	Back	Pigmentation
Alfoxtton Anzac 103	0	0	0
Cressbrook N82	0	0	0
Cromarty GR87"Zen"	0	0	3
Grindon Black 22	0	0	0
Havilah Nth 010143	0	0	0
Karalta P931	0	0	4
Lynburn 0218	0	0	0
Mirani 481.9	0	0	0
Nerstane 970590	0	0	0
Ruby Hills 0188	0	0	0
The Grange GR-100100	0	0	0
Yalgoo 420	0	0	0

**Note: Two lambs in the 2003 drop from sire Karalta P931 were recorded as black lambs at marking**

<b>Manager's Report - 2003 drop – Chiswick</b>
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**Location**

Chiswick is a CSIRO property located between Armidale and Uralla. It has a long history of pasture improvement and has a carrying capacity of 9.0 DSE/ha.

**Seasonal Conditions**

The season was average in 2004. The sheep were fed with faba beans from July until the end of September, when the pasture started to grow. The lambs were weaned onto good pasture in January 2004.

<b>Month 03-04</b>	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Rainfall mm</b>	7	104	62	147	212	117	42	26	15.5	23	42	49	53

**Evaluation Program**

<b>Event</b>	<b>Date</b>	<b>Age (months)</b>	<b>Wool (months)</b>
Birth date	27 Sept – 2 Oct 2003		
Tagging date	9 October 2003	1	
Lamb marking/mulesing	3 November 2003	1	
Weaning	3 February 2004	4	
Lamb crutching	23 February 2004	4.5	
1st assessment/shearing	15 September 2004	12	12
Weighed and Scored	30 September 2004	12	0

**Management Events**

<b>Event</b>	<b>Date</b>
Vaccination	18 March 2004
Drenching	February, March, May, August 2004
Supplementary feed	July until end September 2004
Jetting	23 April 2004 with Click

**Classer who carried out Progeny Assessment**

1st Stage: (i) Alan Clarke

*Mr Ray Honnery, Flock Manager, CSIRO Chiswick*

## 2004 drop Evaluation

### New England Merino Sire Evaluation 2004 drop

The following sires were entered in the 2004 drop New England Merino Sire Evaluation. The first stage report for these animals will be produced in 2005.

#### Sire and owner details

Graph Code	Sire Identity & Sire Code	Contact Name, Address and email (if available)	Phone	Fax
1	<b>Cressbrook 99/677</b> 5023021999000677	Lachlan Fulloon <a href="mailto:cressbrk@bigpond.com">cressbrk@bigpond.com</a> 'Cressbrook', Armidale NSW 2350	02 6775 1217	02 6775 1341
2	<b>Grindon 01 0067</b> 5044552001010067	RF & EA Ritson <a href="mailto:grindon@mns.net.au">grindon@mns.net.au</a> RMB 150, Boyup Brook WA 6244	08 9765 3053	08 9765 3006
3	<b>Havilah Nth 010078</b> 5039342001010078	AJ & CJ White <a href="mailto:ajcjh@winsoft.net.au">ajcjh@winsoft.net.au</a> Welshville, Stoney Creek Road, Mudgee NSW 2850	02 6373 5265	02 6373 5400
4	<b>Karalta Paul G867</b> 609117200200G867	Thomas Spielvogel <a href="mailto:tommy.8@bigpond.com">tommy.8@bigpond.com</a> 10 Creamery Road, Meredith VIC 3332	03 5286 1450	03 5341 5551
5	<b>Miramoonna 02-0221</b> 5034712002020221	Kim Barnet <a href="mailto:barnet@northnet.com.au">barnet@northnet.com.au</a> 'Miramoonna', Walcha NSW 2354	02 6777 2885	02 6777 2833
6	<b>Mirani 466.9</b> 5007321999990466	Hugh Nivison <a href="mailto:mirani@mirani.org">mirani@mirani.org</a> 'Mirani', Walcha NSW 2354	02 6777 1360	02 6777 2683
7	<b>Misty Hills 225</b> 50446920011R0225	Russell & Heather Meaton <a href="mailto:mistyhills@westnet.com.au">mistyhills@westnet.com.au</a> RMB 446, Kojonup WA 6395	08 9834 1030	08 9834 1030
8	<b>Nerstane 949</b> 5032982000000949	John McLaren <a href="mailto:info@nerstane.com.au">info@nerstane.com.au</a> 'Nerstane', Woolbrook NSW 2354	02 6777 5881	02 6777 5922
9	<b>Ranken B45</b> 5091201999000B45	Jim & Sandra Ranken 68 Fords Road, Morrison VIC 3334	03 5341 5681	03 5341 5681
10*	<b>Ruby Hills RH7099</b> 5041201997007099	A & AH Burgess <a href="mailto:rubyhills@bigpond.com">rubyhills@bigpond.com</a> 'Ruby Hills', Walcha NSW 2354	02 6777 2102	02 6778 0009
11	<b>T13</b> <b>02A3161</b> 50499720020A3161	Ian Purvis <a href="mailto:ian.purvis@csiro.au">ian.purvis@csiro.au</a> CSIRO Livestock Industries Locked Bag 1, Armidale NSW 2350	02 6776 1373	02 6776 1333
12	<b>The Grange Superfine</b> <b>100932</b> 6046702001100932	Lukis Blake <a href="mailto:Lukis.Blake@thegrange.biz">Lukis.Blake@thegrange.biz</a> 'Egerton', 12571 West Swan Road Belhus WA 6069	08 9296 1880	08 9296 1088
13	<b>Toland 02-1025</b> 5044852002021025	PC & G Toland <a href="mailto:toland@hdc.com">toland@hdc.com</a> RMB 2005, Violet Town VIC 3669	03 5798 1605	03 5798 1404
14*	<b>Toland Red 154</b> 504485199900R154	PC & G Toland <a href="mailto:toland@hdc.com">toland@hdc.com</a> RMB 2005, Violet Town VIC 3669	03 5798 1605	03 5798 1404
15	<b>Yalgoo 010377</b> 5015522001010377	Grant Nivison <a href="mailto:yalgoo@northnet.com.au">yalgoo@northnet.com.au</a> PO Box 141, Walcha NSW 2354	02 6777 2525	02 6777 2875

\* Link Sires.

## Manager's Report – 2004 drop – Kirby UNE

### Location

Kirby is part of the UNE Rural Properties portfolio and is located 10 km northwest of Armidale. It is 1134 hectares in size and has a carrying capacity of 9000 DSE. Average annual rainfall is 800 mm. Soil types vary from heavy basalt to trap to granite. Pastures include 300 ha of high performance ryegrass and fescue based pasture with the balance being fertilised native pastures. Kirby runs as a commercial sheep and cattle enterprise as well as a research and teaching facility for the university. It has a self-replacing superfine merino flock of 3,000 ewes averaging 17.5 micron.

### Seasonal Conditions

In 2004 the season has been mixed with a very wet January followed by just enough rain to keep things going. New season's pastures were sown on time in early April and have provided useful winter forage. Ewes have been fed a barley/corn mix from early June to mid October. A good spring is anticipated.

### 2004 Lambing

Event	Date	Ewe and lamb numbers
A.I.	03 / 04 May 2004	800 ewes inseminated
Scanning	July 2004	573 ewes scanned pregnant to AI
Lambing	End September 2004	
Tagging	11 October 2004	
Marking	02 November 2004	

*Mr Milton Curkpatrick, Farm Manager, UNE Kirby*

### Ultrasound and Lamb Marking Results

Code	Sire Identity	AI	AI	AI	Total Ewes	Mult # Scan %	No.AI Foetus	No. at Marking
		Single	Twin	≥ Triple				
1	Cressbrook 99/677	23	11	1	35	34.3	48	54
2	Grindon 01 0067	22	16	0	38	42.1	54	46
3	Havilah North 010078	22	18	0	40	45.0	58	47
4	Karalta Paul G867	28	13	0	41	31.7	54	38
5	Miramoona 02-0221	20	17	1	38	47.4	57	44
6	Mirani 466.9	25	12	1	38	34.2	52	40
7	Misty Hills 225	21	19	0	40	47.5	59	47
8	Nerstane 949	21	25	0	46	54.3	71	62
9	Ranken B45	15	18	1	34	55.9	54	33
10	Ruby Hills RH7099	22	15	1	38	42.1	55	46
11	T13 02A3161	26	16	0	42	38.1	58	52
12	The Grange 100932	26	10	0	36	27.8	46	42
13	Toland 02-1025	20	9	0	29	31.0	38	33
14	Toland Red 154	27	16	0	43	37.2	59	51
15	Yalgoo 010377	18	17	0	35	48.6	52	45
Totals		<b>336</b>	<b>232</b>	<b>5</b>	<b>573</b>	<b>41.4</b>	<b>815</b>	<b>680</b>

# Percentage of ewes conceived to AI and scanned as multiples



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