

Riverina Central Test Sire Evaluation 2000 Results

1999 Drop 1st Stage Assessment

Conducted by

Falkiner Memorial Field Station Project Group

under the auspices of

The Australian Association of Stud Merino Breeders Ltd

with support from

RAMPOWER

and Serviced by the

South Australian Research and Development Institute

RW Ponzoni and Veronica Ingham
(August 2000)

Results compiled and edited by

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Sheep & Wool Officer
NSW Agriculture, Deniliquin
August, 2000

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Riverina Central Test Sire Evaluation 1999 Drop 1st Assessment

Using the Riverina Central Test Sire Evaluation Information

The Riverina Sire Evaluation site is an accredited Central Test Sire Evaluation site, and as such, it conformed with the requirements of the Australian Association of Stud Merino Breeders sire evaluation committee.

The information in this booklet provides a comprehensive assessment of sires' progeny performance, both measured and visually assessed. Four graphics provide a summary of the results. Five tables contain the detailed performance information.

Sire and owner details (page 4)

The owners' names, addresses and the identity of sires in the evaluation are listed on page 4. The owner of a sire entered in the Riverina evaluation has the option of withholding these details and when this is the case sires are only identified by a processing code.

Understanding the graphs and tables of results (page 5)

Basic description of the information shown in the graphs and tables of results.

Results

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A report of events and seasonal conditions during the evaluation period.

Committee contacts (telephone numbers) for further information:

Mr Craig Winnell	Site Manager	03 5884 6611
Dr Raul Ponzoni	Analysis	08 8303 9410
Mr Graham Wells	Chairman	03 5886 1269
Mr Ian Evans	Data Manager	03 5881 9920

Sire and owner details: 1999 drop - Riverina Central Test Sire Evaluation

Sire No.	Sire Identity (Horned or Polled)	Sire Code	Contact Name, Address, Telephone and Facsimile Number
1 *	<i>Identity Withdrawn</i>		
2	Mungadal 4.141	5000151993004141	Mr Mark Byrne; Mungadal Merino Stud, PO Box 11, HAY, 2711 Ph: 02.6993 1704 FAX: 02.6993 1945
3 *	<i>Identity Withdrawn</i>		
4 *	<i>Identity Withdrawn</i>		
5 #	The Grange 420223	5042081994420223	Mr Lukis Blake; The Grange, 12571 West Swan Rd, BELHUS, 6055 Ph: 08 / 9927 1250 Fax: 08 / 9927 1081
6 *	<i>Identity Withdrawn</i>		
7	One Oak Poll RED 1	600408199700RED1	Mr Alistair Wells; One Oak Poll; Liddles Lane, JERILDERIE, 2716 Ph: 03 / 5886 7117 Fax: 03 / 5886 7117
8 *	<i>Identity Withdrawn</i>		
9	Wattle Dale 301.5	5033581995003015	Mr Neil Bilney; Wattle Dale; RMB 442, KOJONUP, 6395 Ph: 08.9834 1052 FAX: 08.9834 1058
10 *	<i>Identity Withdrawn</i>		
11 #	Goolgumbra 4.243	5000421994000243	Mr Bruce Rollinson; "Goolgumbra", JERILDERIE, 2716 Ph: 03 / 5886 7124 Fax: 03 / 5886 7144
12	One Oak Y43	5022511996000Y43	Mr Graham Wells; One Oak, PO Box 84, JERILDERIE, 2716 Ph: 03 / 5886 1269 Fax: 03 / 5886 1792
13 *	<i>Identity Withdrawn</i>		
14	One Oak B266	503855199600B266	Mr Graham Wells; One Oak, PO Box 84, JERILDERIE, 2716 Ph: 03 / 5886 1269 Fax: 03 / 5886 1792
15 *	<i>Identity Withdrawn</i>		

Indicates LINK Sires

NOTE:

* *Identity Withdrawn* = Sire identity not disclosed at owner's request **OR** as a result of black lambs **OR** \geq 2 black markings on woolled areas.

Combined sire evaluation analysis - 'Merino Superior Sires'

Sires are evaluated at 10 months of age, with 10 months wool growth (**First Stage Assessment**); again at 16 months of age, with 6 months wool growth (**Second Stage Assessment**); and finally at 28 months of age with 12 months wool growth. (**Adult Assessment**). First stage assessment results are available as one report. Combined first and second stage results and adult assessment results, (from the previous drop) are available as a second report. Combined (1st & 2nd Stage) and Adult results are incorporated into the annual Central Test Sire Evaluation Across Year and Site Report called '**Merino Superior Sires**'. This provides a comparison among sires which have been entered at all the sites involving comparable sheep in Australia, i.e. Macquarie, Riverina, Yardstick (WA) and South Australia (Struan and Turretfield).

For additional information on other drops or combined Central Test Sire Evaluation reports, contact details are given on the last page of this report.

Understanding the graphs and tables of results

Sire No:	Allows a sire to be located on the summary graphs.
Sire Identity:	Sire's name or number, sometimes breeder identity.
No. of Progeny:	The number of valid progeny records a sire has available for measured analysis. The accuracy of a sire's evaluation improves with greater number of progeny records (Merino Superior Sires, number 1, page 15, 1994).

Summary Graphs - Pages 6, 7, 8, 9 and 10

Performance distribution graphs provide a summary of performance of sires for two traits such as **Classers 'Tops' and '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**.

Measured and Scored Assessment - Pages 11, 12, 13 and 14

Estimated Progeny Values (EPVs)

EPVs express the expected performance of progeny of a sire, relative to that of other sires in the evaluation. Estimated Progeny Values are presented for the major measured traits. They are expressed as deviations from the average of sires in the evaluation. Estimated Progeny Values are an improvement over simple sire averages. They take into account the heritability and the association among traits, as well as the number, sex and birth/rearing status of progeny a sire has in the analysis.

<u>GFW</u> %:	Greasy Fleece Weight (percentage)	<u>CFW</u> %:	Clean Fleece Weight (percentage)
<u>FD</u> μ m:	Average Fibre Diameter (micron)	<u>CV</u> %:	Fibre Diameter Coefficient of Variation (%)
<u>BWT</u> %:	Body Weight (percentage)		

Sire Averages

Sire Averages are the average performance of all the progeny (adjusted for sex and birth/rearing status) of a sire. No account is taken of the heritability of the characters, or of the association among them.

%>30: Percentage of fibres greater than (>) 30 microns

Yld %: Washing yield of the midside sample

Fleece Rot Score:
Score 0: No bacterial colour or crusting
Score 1: Band of bacterial staining <10mm wide with **no crusting**.
Score 2: Band of bacterial staining >10mm wide with **no crusting**.
Score 3: Band of **crusting** <5mm wide with or without bacterial staining.
Score 4: Band of **crusting** from 5 to 10mm wide with or without bacterial staining.
Score 5: Band of **crusting** >10mm wide with or without bacterial staining.
See Agnote "Fleece Rot Scoring" from NSW Agriculture or S&W Officer.

Incidence: The percentage of a sire's progeny with some level of fleece rot.

Classer assessment

Classers' Grade: Two Classers grade all progeny as either "Tops", "Flocks (+)", "Flocks (-)" (above or below flock average), or "Culls" based on their visual assessment of all traits. The number and percentage of Tops, Flocks (+), Flocks (-) and Culls is presented.

Group Traits: 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 Conformation, Wool Quality and Markings to provide a summary of performance in this area. Each trait group shows the percentage of a sire's progeny with a positive score or with a negative score for one or more traits in the group.

Individual Traits: The percentage of progeny which score positive or negative for each trait. Note the tables list individual traits within their Trait Group.

Sire No.	Sire Identity (Horned or Polled)
1	*
2	Mungadal 4.141
3	*
4	*
5 #	The Grange 420223
6	*
7	One Oak Poll RED 1
8	*
9	Wattle Dale 301.5
10	*
11 #	Goolgumbbla 4.243
12	One Oak Y43
13	*
14	One Oak B266
15	*

Indicates LINK Sires
* *Identity Withdrawn*

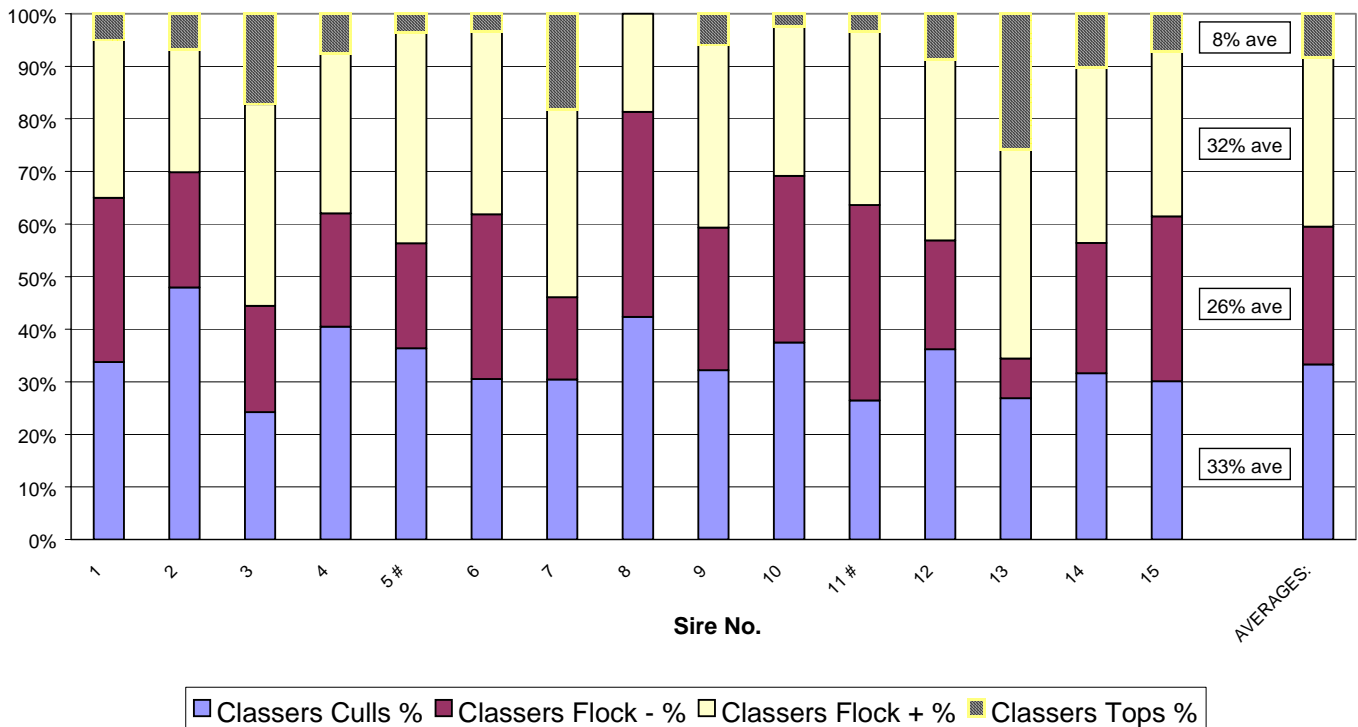
Sire No.	Sire Identity (Horned or Polled)
1	*
2	Mungadal 4.141
3	*
4	*
5	The Grange 420223
6	*
7	One Oak Poll RED 1
8	*
9	Wattle Dale 301.5
10	*
11	Goolgumbla 4.243
12	One Oak Y43
13	*
14	One Oak B266
15	*

Indicates LINK Sires
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Sire No.	Sire Identity (Horned or Polled)
1	*
2	Mungadal 4.141
3	*
4	*
5 #	The Grange 420223
6	*
7	One Oak Poll RED 1
8	*
9	Wattle Dale 301.5
10	*
11 #	Goolgumbra 4.243
12	One Oak Y43
13	*
14	One Oak B266
15	*

Indicates LINK Sires
* Identity Withdrawn

Figure 2A. Classers Grade Composition (%)



Sire No.	Sire Identity (Horned or Polled)
1	*
2	Mungadal 4.141
3	*
4	*
5	The Grange 420223
6	*
7	One Oak Poll RED 1
8	*
9	Wattle Dale 301.5
10	*
11	Goolgumbla 4.243
12	One Oak Y43
13	*
14	One Oak B266
15	*

Indicates LINK Sires
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Sire No.	Sire Identity (Horned or Polled)
1	*
2	Mungadal 4.141
3	*
4	*
5	The Grange 420223
6	*
7	One Oak Poll RED 1
8	*
9	Wattle Dale 301.5
10	*
11	Goolgumbla 4.243
12	One Oak Y43
13	*
14	One Oak B266
15	*

Indicates LINK Sires
 * *Identity Withdrawn*

Table 1 Estimated progeny values

Sire No.	Sire Identity	No. of progeny	Estimated progeny values					Classers' Tops & Culls	
			GFW %	CFW %	FD μ	FDCV %	BWT %	Tops	Culls
1	*	38	4.5	6.9	0.1	0.4	-0.3	5%	34%
2	Mungadal 4.141	37	-0.8	-0.3	-0.4	0.4	-4.7	7%	48%
3	*	50	5.1	4.9	-0.5	0.4	-2.4	17%	24%
4	*	39	-3.5	-3.2	0.1	-0.6	1.0	8%	41%
5 #	The Grange 420223	26	2.9	2.3	-0.4	0.5	0.4	4%	36%
6	*	57	-5.5	-6.4	0.9	-1.5	6.0	3%	31%
7	One Oak Poll RED 1	56	2.2	1.9	-0.2	0.1	1.9	18%	30%
8	*	53	-5.1	-6.2	0.5	-0.1	4.6	0%	42%
9	Wattle Dale 301.5	59	-5.7	-7.9	-0.4	-1.0	-1.1	6%	32%
10	*	60	0.5	2.5	0.7	0.6	-1.4	3%	38%
11 #	Goolgumbla 4.243	58	1.9	2.7	0.1	1.1	1.3	3%	26%
12	One Oak Y43	28	2.9	4.1	-0.4	0.3	-1.3	9%	36%
13	*	44	2.6	0.8	-0.2	-0.1	0.0	26%	27%
14	One Oak B266	58	1.4	1.3	0.0	0.1	0.9	10%	32%
15	*	43	-3.4	-3.3	0.0	-0.5	-4.8	7%	30%
A v e r a g e			3.5 kg	2.6 kg	19.6	20.5	32.1 kg	8%	33%

Indicates LINK Sires

* *Identity Withdrawn*

Table 2 Sire averages

Sire no.	Sire Identity	Sire averages			
		% > 30 (dev) ¹	Yield % (dev)	Fleece rot	
				Score (0 to 5)	Incidence %
1	*	0.2	1.9	2.1	55
2	Mungadal 4.141	-0.2	0.4	2.9	68
3	*	-0.4	-0.1	2.5	71
4	*	-0.4	0.1	1.4	45
5 #	The Grange 420223	-0.2	-0.1	2.4	67
6	*	0.0	-1.0	2.2	60
7	One Oak Poll RED 1	0.0	-0.1	2.9	75
8	*	0.3	-0.9	2.0	49
9	Wattle Dale 301.5	-0.7	-1.8	1.5	45
10	*	1.5	1.7	2.8	69
11 #	Goolgumbla 4.243	0.8	0.7	2.6	68
12	One Oak Y43	-0.3	1.0	2.7	69
13	*	-0.2	-1.6	1.9	48
14	One Oak B266	0.0	-0.2	1.9	59
15	*	-0.2	-0.2	1.9	49
A v e r a g e		2.3	75.0	2.1	58

Indicates LINK Sires

(dev) = deviation from the average

* *Identity Withdrawn*

Table 3 Classers' assessment: summary (%)

Sire No.	Sire Identity	No. of Progeny Records	Classers' Grades								Group traits					
			Tops		Flock (+)		Flock (-)		Culls		Conformation		Wool quality		Markings [@]	
			No	%	No	%	No	%	No	%	Pos	Neg	Pos	Neg	Pos	Neg
1	*	40	2	5%	12	30%	13	31%	14	34%	11	19	11	35	0	4
2	Mungadal 4.141	37	3	7%	9	23%	8	22%	18	48%	10	36	13	33	0	7
3	*	50	9	17%	19	38%	10	20%	12	24%	16	23	22	17	0	2
4	*	40	3	8%	12	30%	9	22%	16	41%	7	15	9	37	0	5
5 #	The Grange 420223	28	1	4%	11	40%	6	20%	10	36%	6	23	8	32	0	4
6	*	59	2	3%	21	35%	19	31%	18	31%	8	23	11	32	0	0
7	One Oak Poll RED 1	58	11	18%	21	36%	9	16%	18	30%	18	27	23	23	0	1
8	*	59	0	0%	11	19%	23	39%	25	42%	3	22	2	39	0	4
9	Wattle Dale 301.5	59	4	6%	21	35%	16	27%	19	32%	6	23	7	27	0	2
10	*	60	2	3%	17	28%	19	32%	23	38%	6	12	5	36	0	6
11 #	Goolgumbla 4.243	61	2	3%	20	33%	23	37%	16	26%	7	16	9	23	0	2
12	One Oak Y43	29	3	9%	10	34%	6	21%	11	36%	10	30	12	28	0	0
13	*	47	12	26%	19	40%	4	8%	13	27%	22	15	30	15	0	3
14	One Oak B266	59	6	10%	20	33%	15	25%	19	32%	12	20	14	30	0	3
15	*	42	3	7%	13	31%	13	31%	13	30%	4	23	9	29	0	0
A v e r a g e		48	4	8%	16	32%	13	26%	16	33%	8	22	11	30	0	3

Indicates LINK Sires

* *Identity Withdrawn*

@ Markings OBSERVED by Classers

Table 4 Classers' assessment: conformation and type characters (%)

Sire No.	Conformation and type characters																			
	Body size		Bodylngh		Facecover		Head/Jaw		Shoulder		Back		Feet		Legs		Devlopmt		Coverage	
	P ¹	N ²	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N
1	10	10	0	0	0	0	0	0	0	10	0	0	0	0	0	2	0	0	1	0
2	10	28	0	1	0	1	0	0	0	14	0	0	0	1	0	0	0	0	0	0
3	15	11	2	0	0	1	0	0	0	10	0	0	0	1	0	3	0	0	0	0
4	4	12	3	0	0	1	0	0	0	1	0	0	0	0	0	2	0	0	0	2
5 #	6	10	0	0	0	0	0	0	0	7	0	0	0	0	0	5	0	0	0	7
6	6	6	1	0	0	0	0	0	0	12	0	0	0	1	0	0	0	0	0	7
7	18	8	4	0	0	2	0	0	0	18	0	0	0	0	0	4	0	0	0	0
8	2	9	0	0	0	2	0	0	0	7	0	0	0	0	0	5	0	0	0	1
9	6	14	0	0	0	0	0	0	0	9	0	0	0	1	0	7	0	0	0	0
10	5	1	1	0	0	0	0	0	0	7	0	0	0	0	0	3	0	0	0	1
11 #	6	9	0	0	0	0	0	0	0	7	0	0	0	2	0	0	0	0	1	0
12	10	10	0	0	0	14	0	5	0	9	0	0	0	0	0	0	0	0	0	0
13	21	7	1	0	0	0	0	0	0	6	0	0	0	0	0	1	0	0	0	1
14	10	9	2	0	0	0	0	0	0	8	0	0	0	0	0	3	0	0	1	1
15	4	19	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0
Av	8	11	1	0	0	1	0	0	0	9	0	0	0	0	0	3	0	0	0	1

Indicates LINK Sires

¹ P = Positives; ² N = Negatives

* *Identity Withdrawn*

Table 5 Classers' assessment: wool quality and markings (%)

Sire No.	Wool quality																Markings [@]			
	Nourishmt		Colour		Character		Evenness		Handle		Stpl.Struct.		Stpl Lngth		Density		Tip Hair		Skin	Wool
	P ¹	N ²	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	N	N
1	3	0	0	0	4	5	0	0	3	18	0	0	4	11	7	7	0	0	2	2
2	5	0	2	3	6	2	0	0	6	14	0	0	9	19	4	4	0	0	5	1
3	6	1	1	2	7	1	0	0	13	5	0	0	9	9	15	7	0	0	2	3
4	3	5	0	5	3	2	0	0	7	19	0	0	7	5	5	24	0	0	5	0
5 #	0	2	0	11	2	2	0	0	4	18	0	0	4	9	6	7	0	0	4	2
6	6	1	0	3	3	3	0	0	4	11	0	0	5	15	5	9	0	0	0	0
7	10	1	1	3	9	2	0	0	16	8	1	0	17	13	13	4	0	0	1	0
8	1	4	0	8	1	3	0	0	1	33	0	0	1	6	1	15	0	0	4	1
9	2	0	0	1	2	0	0	0	5	12	0	0	4	13	4	13	0	0	2	0
10	1	2	0	7	0	2	0	0	1	27	0	0	5	6	1	9	0	0	2	4
11 #	3	1	1	2	4	3	0	0	5	16	0	0	5	2	5	8	0	0	2	1
12	2	3	0	2	0	0	0	0	4	10	0	0	2	16	11	0	0	0	0	0
13	5	0	3	2	9	5	0	0	24	6	0	0	23	4	12	9	0	0	2	3
14	2	0	2	8	6	1	0	0	9	14	0	0	8	11	5	9	0	0	3	0
15	1	2	1	0	4	1	0	0	5	6	0	0	6	18	4	7	0	0	0	0
Av	3	2	1	4	3	2	0	0	6	16	0	0	7	10	5	10	0	0	2	1

Indicates LINK Sires

¹P = Positives; ²N = Negatives

* *Identity Withdrawn*

@ Markings INCLUDING those recorded at lamb tagging

Table 6 Sires index values 1999 drop – 2000 assessment

Index Values							
SireNo	Sire Identity	3%	Rank	6%	Rank	12%	Rank
1	*	113.4	1	110.6	3	106.6	4
2	Mungadal 4.141	101.6	9	103.3	7	105.0	7
3	*	113.0	2	114.0	1	114.0	1
4	*	93.3	12	94.2	12	95.7	12
5 #	The Grange 420223	106.8	4	107.9	4	108.6	3
6	*	82.4	15	80.9	15	80.6	15
7	One Oak Poll RED 1	104.9	5	105.5	5	105.7	5
8	*	83.6	14	82.6	14	82.7	14
9	Wattle Dale 301.5	86.9	13	91.9	13	98.4	9
10	*	100.0	10	94.5	11	88.5	13
11 #	Goolgumbla 4.243	103.4	6	100.8	9	97.7	10
12	One Oak Y43	111.0	3	112.0	2	112.3	2
13	*	103.2	7	104.5	6	105.7	6
14	One Oak B266	102.5	8	102.1	8	101.4	8
15	*	93.9	11	95.2	10	97.0	11

Indicates LINK Sires

* Identity Withdrawn

Manager's report

Location: *Riverina* ~ Falkiner Memorial Field Station, Conargo Rd, Deniliquin.

Classers: Mr John Nadin, Weona Stud, Warren Year 2
Mr Ian Lilburn, Top Flock Classing Services, Hay Year 1

Seasonal Conditions -1999 and 2000:

Major Events:

Event	Date	Age and months of wool growth
Birth date	Wk 3 June, 1999	
Lamb marking	Wk 2 August, 1999	
Weaning	Wk 4 September, 1999	
Lamb shearing	Not Lamb Shorn	
Lamb weighing	Weaning + 100 d	
Crutching	November, 1999	
<u>First assessment:</u> Classing Shearing	24/3 & 3/4/2000 10/4/2000	9.5 m.o. 9.5 m.w. 10 m.o 10 m.w.

Other Management Events

Drenching	Weaning & Dec with Lev. / Feg with M.L.
Dipping	ZAPP® at 2 m.o.
Feeding	Nil.

For additional information:

Contact: Mr Ian Evans, PO Box 736, Deniliquin, 2710

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