

NORTH EAST VICTORIA MERINO SIRE EVALUATION

DOOKIE COLLEGE

Trial 7

2003 DROP HOGGET RESULTS (2nd Shearing – 2005)

&

Combined Analysis 1997 -2005

Under the auspices of

The Australian Merino Sire Evaluation Association



Other Sponsors



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Conduct Of Sire Evaluation Schemes

This evaluation is an accredited sire evaluation program run under the auspices of the Australian Merino Sire Evaluation Association. The established guidelines have been followed to enable a accurate and fair comparison of the merino rams entered allowing the results to be published in the Merino Superior Sires report. The North East Victoria Sire Evaluation committee, which is made up of sire entrants, would like to thank all of the sponsors who have assisted with this trial.

Entrants 2003 Mating

Ram	Graph Code	Full Sire Code	Owner
Sire withheld due to insufficient progeny	1		
Dunbrae, 9056	D 9056	5033641999009056	John McCracken
Eilan Donan, 256	ED 256	5017471998000256	Jock McRae
Jema, 1.837	J 1.837	504851 001837	Ian Gill
Sire withheld due to insufficient progeny	2		
Kerrsville, NC0541**	K NC0541	5035092000NC0541	Robert Plush
Kilfeera Park, 1.579	KP 1.579	5034252001001579	Murray & Fiona McKenzie
Kilfeera Park, 6.275**	KP 6.275	5034251996006275	Murray & Fiona McKenzie
Rocky Point, R6	RP 6	50465919990000R6	Rex & Mathew Allan
Toland Poll 1349	TP 1349	6010822002001349	Phillip & Georgina Toland
Toland Poll, W69	TP 69	6010822002000W69	Phillip & Georgina Toland

** Indicates this ram is a Link Sire

Management Report

Two Link Sires were mated to allow a direct comparison with all of the other sires used in the national fine wool sire evaluation scheme. A Link sire is a sire which has been mated in another accredited sire evaluation and has at least 25 evaluated progeny. The link sires used for the 2003 joining were Kilfeera Park 6.275 and Kerrsville NC0541. Artificial Insemination was conducted by Livestock Breeding Services.

Main Events Calendar

2003	20 th February	Class & Tag Ewes
	14 th March	Insemination
	21 st May	Pregnancy Scan
	1 st August	Ewes drafted into lambing paddocks
	10 th August	Lambing Starts
	20 th August	Lambing Finished
	8 th September	Lambs Tagged and run together
	22 nd September	Lambs Marked/Mulesed and skin assessed
2004	15 th June	1st Classing (Paddy McCarthy) & Mid Side Sampling
	23 rd June	1st Assessment Shearing (10 months wool)
2005	20 th April	2nd Classing (Paddy McCarthy) & Mid Side Sampling
	28 th April	2nd Assessment Shearing (10 months wool)

Presentation Of Results - Objectively Measured Traits

The results for the objectively measured traits are presented as Raw Averages and as EPVs.

Raw Averages

The raw averages reflect the **actual performance** of the progeny from each sire. They do not take into account the effects of birth type (ie whether twin or single) or sex (wether ewe or wether) into account. They assume that each sire was mated to a ewe group of similar genetic merit.

The raw averages do not necessarily reflect the actual value of how these rams would perform in another environment, over another ewe base. Half the genes of the progeny in this trial come from the dams. The actual values will reflect the genetics of the ewe base.

Estimated Progeny Values

To overcome this, we have also calculated Estimated Progeny Values (or EPVs). The EPV takes into account whether an animal was born as a twin or a single, and whether or not it was born a male or a female. The EPVs also take into account the number of progeny per sire group. The EPVs can help to give you more of an estimate of how these animals would perform on your farm, over your ewes. However, because the EPVs published here are only compared to each other, it will only tell you how you would expect these animals to perform relative to each other. For example a sire with an EPV for fibre diameter of 1.0 would be expected to have progeny which were one micron stronger than a ram with an EPV of 0.0 (the average). The actual fibre diameter of the progeny will depend upon the ewe base, and how they were managed. However, regardless of this, we would expect the ram with the lower EPV to have progeny which was about 1µm finer.

Estimated Progeny Values (EPV) have been calculated for the major measured traits such as fibre diameter, fleece weight, body weight and fibre diameter coefficient of variation. EPVs are presented as deviations (differences) from the average of the sires in the evaluation.

For those familiar with Estimated Breeding Values (EBV), an EPV is equivalent to ½ an EBV.

Fleece Weight and Body Weight

Individual greasy fleece weights (unskirted fleece) were collected for all progeny at shearing. Fleece weights are expressed as both greasy fleece weight (GFW) and clean fleece weight (CFW). Body weights (BW) were measured directly off the board with all sheep empty and fleece free.

The fleece weight and body weight EPVs are expressed as a percentage deviation from the average. For example:

	CFW EPV (%)	BW EPV (%)
Ram 1	5.2	-3.6
Ram 2	0.0	4.3

Progeny from Ram 1 would be expected to produce 5.2% more CFW than progeny from Ram 2 and have a body weight 7.9% lower than progeny from Ram 2 when joined to ewes with the same CFW and body weight.

Wool Measurements

Mid side samples were taken prior to shearing and measured by Riverina Fleece Testing Services. The samples were measured for fibre diameter (FD), yield (Yld), fibre diameter coefficient of variation (CV), percentage of fibres greater than 30 μ and curvature (CURV.).

Fibre diameter EPVs are expressed in micron as deviations from the average, whereas CV is expressed as a percentage deviation. For example:

	FD EPV (μ m)	CV EPV (%)
Ram 1	1.0	2.8
Ram 2	-1.0	0.0

Progeny from Ram 1 would be expected to be 2 micron stronger and have a fibre diameter coefficient of variation 2.8% higher than Ram 2.

Fibre Curvature (Curv.) is the average curvature of fibre snippets measured by the OFDA. The value is expressed in degrees per millimetre fibre length. Fibre Curvature is closely correlated to crimp frequency (the number of crimps per centimetre). Therefore the lower the crimp frequency, the lower the fibre curvature.

Accuracy

The accuracy of the Estimated Progeny Values is determined by the number of progeny analysed. The accuracy is rated as either high, medium or low. Estimated Progeny Values for animals with low progeny numbers are adjusted towards the average of the group.

- High accuracy - Greater than 55 progeny
- Medium accuracy - 20 to 55 progeny
- Low accuracy - Less than 20 progeny (if there is only one assessment), less than 15 progeny (if there are two assessments). Results from these sires are not reported.

**Table 1. 2003 Drop North East Victoria Sire Evaluation - Raw Averages
2nd Assessment (2005) - 20 months of age and 10 months wool.**

Ram ID	No of Progeny	GFW (kg)	CFW (kg)	YLD (%)	BW (kg)
Sire withheld due to insufficient progeny	9	5.47	4.00	73.2	43.6
Dunbrae, 9056	29	4.95	3.55	71.8	44.7
Eilan Donan, 256	32	4.95	3.48	70.3	42.7
Jema, 1.837	33	4.75	3.33	70.1	42.5
Sire withheld due to insufficient progeny	6	4.60	3.16	68.8	44.3
Kerrsville, NC0541**	29	5.23	3.74	71.5	43.1
Kilfeera Park, 1.579	25	5.28	3.91	74.2	42.6
Kilfeera Park, 6.275**	21	5.34	3.75	70.2	40.1
Rocky Point, R6	29	5.34	3.68	68.9	44.4
Toland Poll 1349	16	5.13	3.72	72.5	44.3
Toland Poll, W69	31	5.77	4.13	71.7	42.8
Averages	24	5.16	3.68	71.2	43.2

**Table 2. 2003 Drop North East Victoria Sire Evaluation - Raw Averages, Wool Quality
2nd Assessment (2005) - 20 months of age and 10 months wool.**

Ram ID	No of Progeny	FD (mm)	CVFD (%)	CF (%>30)	Curve
Sire withheld due to insufficient progeny	9	17.1	21.6	0.3	68.4
Dunbrae, 9056	29	18.3	20.4	0.6	77.7
Eilan Donan, 256	32	18.3	19.1	0.2	81.3
Jema, 1.837	33	16.6	19.2	0.1	87.3
Sire withheld due to insufficient progeny	6	16.8	18.9	0.1	77.2
Kerrsville, NC0541**	29	18.1	19.4	0.3	80.4
Kilfeera Park, 1.579	25	18.7	20.2	0.5	76.1
Kilfeera Park, 6.275**	21	17.1	21.1	0.1	77.3
Rocky Point, R6	29	17.5	20.3	0.2	80.0
Toland Poll 1349	16	17.5	19.4	0.2	74.4
Toland Poll, W69	31	18.6	20.7	0.6	71.3
Averages	24	17.7	20.0	0.3	77.4

**Table 3. 2003 Drop North East Victoria Sire Evaluation - Raw Averages
2nd Assessment (2005) - 20 months of age and 10 months wool.**

Ram ID	No of Progeny	Staple Length (mm)	Staple Strength (n/Ktex)	FEC (epg)
Sire withheld due to insufficient progeny	9	89	17	164
Dunbrae, 9056	29	86	16	190
Eilan Donan, 256	32	82	18	239
Jema, 1.837	33	79	16	252
Sire withheld due to insufficient progeny	6	82	17	240
Kerrsville, NC0541**	29	82	19	225
Kilfeera Park, 1.579	25	80	19	147
Kilfeera Park, 6.275**	21	80	14	163
Rocky Point, R6	29	80	18	194
Toland Poll 1349	16	86	20	303
Toland Poll, W69	31	85	19	332
Averages	24	83	18	223

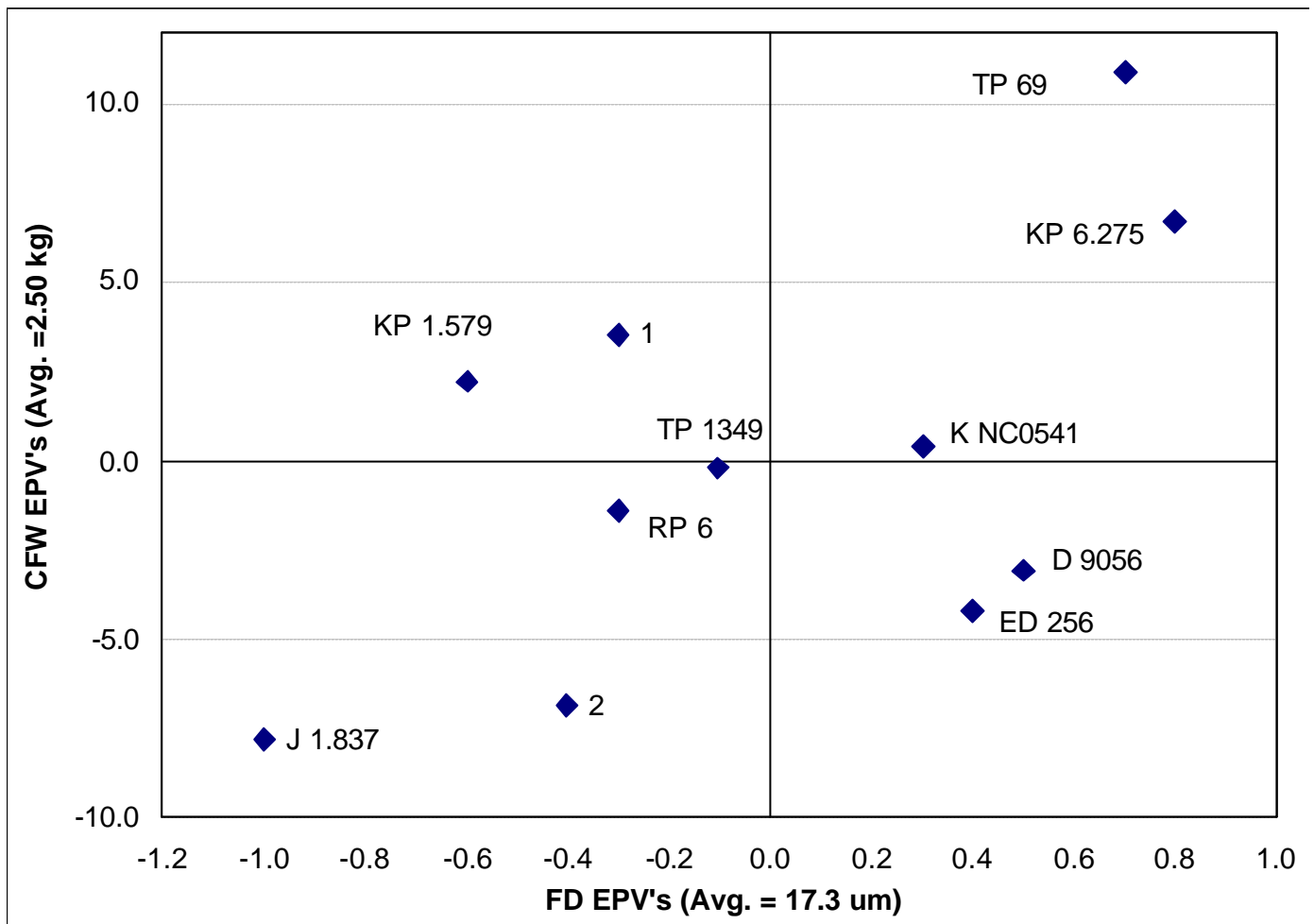
**Table 4: 2003 Drop North East Sire Evaluation – Estimated Progeny Values
2nd Assessment (2005) – 20 months of age, and 10 months wool.**

Ram ID	FD (mm)		CVFD (%)		GFW (%)		CFW (%)		BW (%)	
	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
Sire withheld –insufficient progeny	-0.2	-0.3	1.0	1.0	1.6	1.8	3.1	3.5	-1.4	-0.9
Dunbrae, 9056	0.5	0.5	0.3	0.4	-1.4	-3.9	-1.2	-3.1	4.4	3.2
Eilan Donan, 256	0.4	0.4	-0.6	-0.7	-3.3	-3.0	-3.9	-4.2	-1.7	-0.9
Jema, 1.837	-1.0	-1.0	-0.7	-0.7	-5.1	-6.7	-5.8	-7.8	-0.2	-0.4
Sire withheld – insufficient progeny	-0.3	-0.4	-0.6	-0.6	-2.8	-5.9	-4.1	-6.9	1.9	1.6
Kerrsville, NC0541**	0.2	0.3	-0.7	-0.7	-1.0	-0.1	-0.7	0.4	1.5	0.9
Kilfeera Park, 1.579	-0.6	-0.6	0.9	0.9	2.2	4.2	0.3	2.2	-4.4	-4.4
Kilfeera Park, 6.275**	0.7	0.8	0.1	0.1	2.2	2.8	5.1	6.7	-1.5	-1.5
Rocky Point, R6	-0.2	-0.3	0.0	0.1	1.0	2.0	-1.8	-1.4	1.3	1.8
Toland Poll 1349	-0.1	-0.1	-0.2	-0.3	-1.5	-2.2	0.5	-0.2	0.7	1.2
Toland Poll, W69	0.7	0.7	0.3	0.5	8.1	10.8	8.5	10.9	-0.5	-0.7
Averages	17.3	17.7	20.2	20.0	3.61	5.16	2.50	3.68	32.6	43.2

**Table 5. 2003 Drop North East Victoria Sire Evaluation - Estimated Progeny Values
2nd Assessment (2005) - 20 months of age and 10 months wool.**

Ram ID	No of Progeny	Staple Length (mm)	Staple Strength (n/Ktex)	FEC (epg)
Sire withheld due to insufficient progeny	9	3.8	-1.7	-0.06
Dunbrae, 9056	29	3.2	-2.6	-0.08
Eilan Donan, 256	32	-0.2	1.0	0.00
Jema, 1.837	33	-2.8	-2.3	0.11
Sire withheld due to insufficient progeny	6	-0.5	-0.1	0.07
Kerrsville, NC0541**	29	-0.4	3.1	-0.01
Kilfeera Park, 1.579	25	-1.3	-3.9	-0.12
Kilfeera Park, 6.275**	21	-2.8	2.9	-0.23
Rocky Point, R6	29	-3.3	-0.1	-0.18
Toland Poll 1349	16	2.5	2.3	0.18
Toland Poll, W69	31	1.9	1.4	0.32
Averages	24	83	18	223

Figure 1: North East Victoria Sire Evaluation – Clean Fleece Weight Vs Fibre Diameter



Selection Indices

Ranking Sires

Index values are essentially the relative economic value of each ram, based on different wool market scenarios. To calculate an index value for each ram, the EPV for each trait is multiplied by its relative economic value. The sum of each of these economic values is added to produce the index value. The average value of all indexes is 100, therefore an index of 100 for a ram, indicates his progeny have a combined value of around the average, for that market scenario.

Micron Premium

Using micron premium (MP) provides an opportunity to examine the relative values of the different rams under alternative wool market conditions and scenarios. It also relates to different breeding objectives. The micron premiums used in table 3 (below) represent standard micron premiums Rampower index values. Indexes with a low micron premium (eg 3%) favour animals with high fleece weights and are of value to those breeders who wish to maintain their fibre diameter and place maximum emphasis on increasing the fleece weight of their flock. Indexes with a high micron premium (eg, 12%) are the opposite and are useful for breeders who wish to place maximum emphasis on decreasing their flock fibre diameter, without losing fleece weight. A middle view is to use an index which simultaneously increases fleece weight and decreases fibre diameter (eg, 6%).

**Table 6: 2003 Drop North East Victoria Sire Evaluation - Index Values
1st Assessment (2004) 10 months of age and 10 months wool growth**

SIRE	Breeding Goal	Maintain FD		Medium Decrease in FD		Max Decrease in FD	
	Micron Premium	Max Increase in FW	Rank	Medium Increase in FW	Rank	Maintain FW	Rank
		3%	Rank	6%	Rank	12%	Rank
Sire withheld due to insufficient progeny		107.7	3	106.9	2	103.9	3
Dunbrae, 9056		89.7	11	88.1	11	87.8	11
Eilan Donan, 256		92.3	8	91.9	10	93.6	10
Jema, 1.837		91.6	9	99.0	7	105.3	1
Sire withheld due to insufficient progeny		90.9	10	95.0	9	100.0	8
Kerrsville, NC0541		95.5	7	95.5	8	97.8	9
Kilfeera Park, 1.579		101.9	5	104.1	4	103.4	4
Kilfeera Park, 6.275		111.4	2	105.5	3	100.2	7
Rocky Point, R6		100.4	6	101.6	6	102.4	5
Toland Poll 1349		102.3	4	102.8	5	103.9	2
Toland Poll, W69		116.3	1	109.5	1	101.7	6

Visual Assessment

Classing Results

In 2001, new guidelines for the visual assessment of sheep in Merino Sire Evaluation Trials came into action. Mr Paddy McCarthy classed all the sheep, and each one was scored for a number of different characters, using a standardised trait list and format. Table 5 shows the percentage of sheep that were classed into either a top, flock or cull grade

Table 7: 2003 Drop North East Victoria Sire Evaluation – Progeny Grade 1st Assessment (2004) – 10 months of age, and 10 months wool growth

Ram ID	Number of Progeny	% Classed as Tops	% Classed as Flocks	% Classed as Culls
Insufficient progeny	9	11	67	22
Dunbrae, 9056	28	0	82	18
Eilan Donan, 256	30	0	97	3
Jema, 1.837	32	25	75	0
Insufficient progeny	5	0	80	20
Kerrsville, NC0541	29	10	90	0
Kilfeera Park, 1.579	20	5	90	5
Kilfeera Park, 6.275	25	0	96	4
Rocky Point, R6	29	0	90	10
Toland Poll 1349	16	6	94	0
Toland Poll, W69	31	0	87	13
Averages	23	5	86	9

Figure 2: North East Victoria Sire Evaluation – Visual Tops Vs Culls

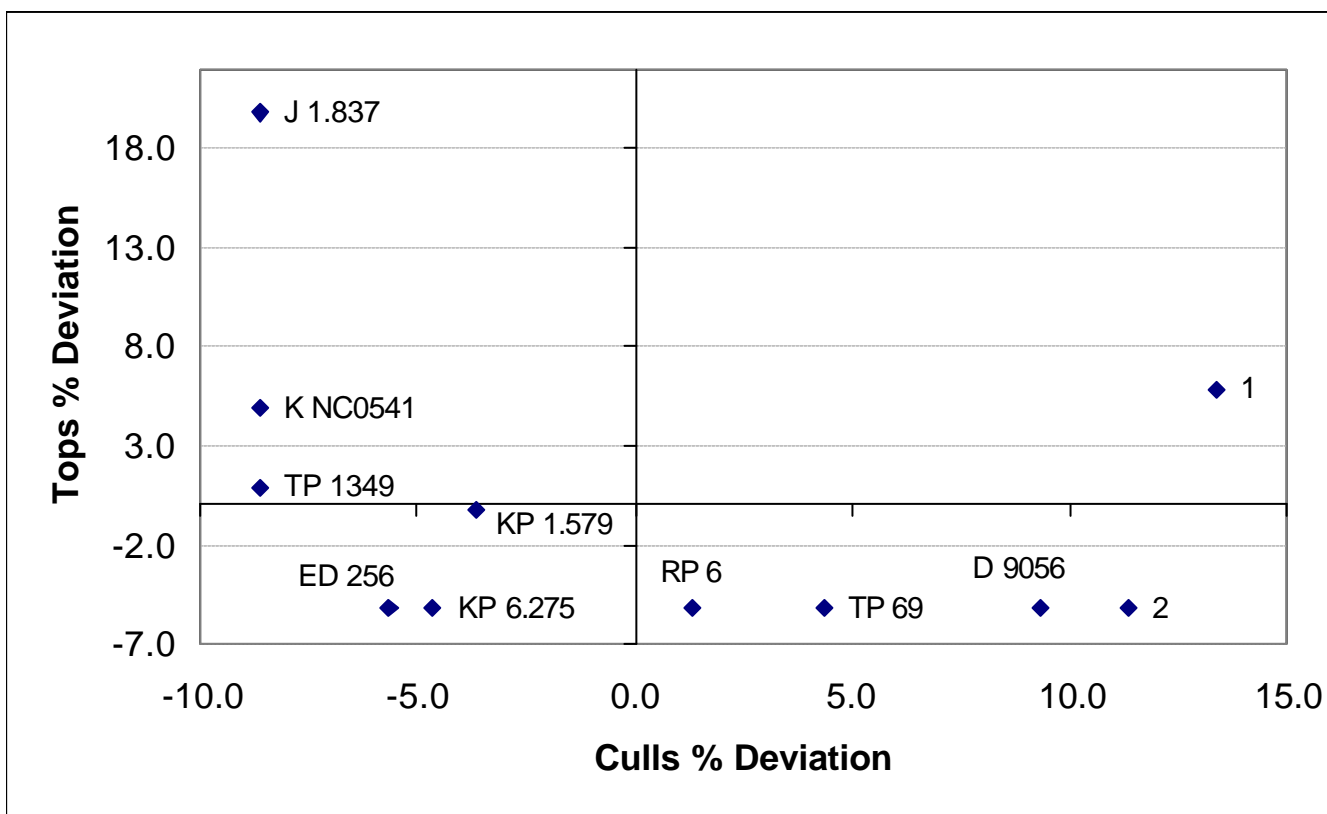


Table 8 shows the average score for a number of traits for each progeny group. In general, a score of 1 indicated a 'good' assessment for that character, while a score of 5 indicated the animal was extremely poor for that character. The exceptions to this may be for face cover and development where a score of 2 or 3 may be preferred to a score of 1. The table below describes the scoring system used by the classer to grade each sheep.

	1	5
Face Cover	Open	Woolly
Feet / Legs	Good	Poor
Development	Plain	Wrinkly
Jaw	Bad	Very Bad
Back / Shoulder	Bad	Very Bad
Colour	Very white	Very Yellow
Character	Good	Flat
Staple Weathering	Low	High
Fleece Rot	0 = None	High
Skin Pigmentation	0 = None	High

**Table 8: 2003 Drop North East Victoria Sire Evaluation - Combined classing traits
1st Assessment (2004) – 10 months of age, and 10 months wool growth**

Ram ID	Face Cover	Feet / Legs	Develop-ment	Colour	Character	Staple Weathering	Fleece Rot
Insufficient progeny	2.1	2.8	2.7	2.6	2.7	2.3	0.2
Dunbrae, 9056	1.5	2.1	2.1	2.6	2.7	2.8	0.1
Eilan Donan, 256	1.9	2.0	2.3	2.4	3.0	2.3	0.1
Jema, 1.837	2.2	2.2	2.8	1.5	2.7	1.9	0.0
Insufficient progeny	2.4	2.4	2.8	2.4	2.6	1.8	0.4
Kerrsville, NC0541	1.8	2.3	2.2	1.9	2.7	2.0	0.0
Kilfeera Park, 1.579	2.1	2.2	2.8	2.4	2.5	2.2	0.0
Kilfeera Park, 6.275	2.0	2.7	2.8	2.1	2.6	2.4	0.0
Rocky Point, R6	1.8	2.2	2.5	2.9	2.5	2.3	0.0
Toland Poll 1349	2.0	2.7	2.4	2.3	2.6	2.1	0.0
Toland Poll, W69	1.7	2.2	2.3	2.7	2.6	2.2	0.0
Averages	1.9	2.3	2.5	2.3	2.6	2.2	0.1

North East Victoria (Dookie) Combined Analysis (1997-2005)

Table 9. Estimated Progeny Values

Sire Name	Progeny No	GFW %		CFW %		FD m		CVFD %		BW %	
	Accuracy	1st	2nd	1 st	2nd	1st	2nd	1st	2nd	1st	2nd
Avington, 217	33	-7.1	-8.9	-7.3	-8.8	-0.6	-0.9	-0.9	-0.9	4.8	5.0
Bindawarra, 510	42	-1	-1.9	1.7	0.8	-0.2	-0.3	-0.7	-1.0	1.1	1.7
Bogo, B7-338	47	-1.6	-3.4	-1.6	-3.5	-0.2	-0.1	0	-0.1	-2.6	4.1
Broxbourne Park, 112	35	3.3	0.6	3.6	0.4	-0.3	-0.3	-1	-0.9	1.5	3.0
Broxbourne Park, A172	82	3.9	10.3	4.1	12.0	-0.2	-0.1	1.9	2.1	-0.7	0.3
Broxbourne Park, RED003	49	2.4	4.3	0.8	2.4	0.4	0.5	0.3	0.2	0.2	1.5
Broxbourne Park, Y064	40	1.2	-1.1	1.3	-1.2	0.1	0.2	-1.3	-0.9	0.9	-1.3
Dunbrae, 9056	35	0.8	-4.5	0.7	-3.2	0.5	0.4	0.2	0.3	6.7	3.5
Dundoos Park, 801	45	2.3	0.6	-0.2	-1.3	-0.2	-0.2	0.2	0.2	2.3	1.7
East Mt Ada Poll, B337	45	2.1	5.0	2.3	6.8	0.4	0.7	0.1	0.0	3.8	3.4
East Mt Ada Poll, Poll 7413	40	2.6	4.8	1.2	2.1	-0.2	-0.2	-1	-0.8	4.5	5.6
Eilan Donan, 256	40	-5.6	-3.4	-5.2	-4.1	0.2	0.4	-0.6	-0.9	-2.4	-0.6
Geelong Park, 30201	44	10.5	6.1	9.1	3.3	0.1	0.0	0.8	0.7	2.4	-1.4
Gringegalgon, 3N1490	22	0.8	0.2	0.7	0.1	0	-0.1	0.9	0.8	0.2	-0.7
Gringegalgon, 4A0720	46	-1.8	-3.0	-2.8	-5.1	-0.3	-0.1	-0.6	-1.3	-5.0	-4.7
Jema, 1.837	37	-5.7	-7.1	-5.2	-7.6	-0.6	-1.0	-0.9	-0.9	-0.2	-0.1
Jema, 250	41	-2.5	-8.0	-3.5	-9.9	-0.2	-0.5	0.3	0.1	5.1	5.3
Jema, 8.11	33	-14.3	-17.6	-14.7	-16.5	-0.2	-0.4	-0.6	-0.6	-3.5	-0.7
Jilliby, 6.140	48	1.8	2.8	-1.6	-2.5	0.1	0.1	1.6	1.7	4.5	0.4
Kerrsville, NB 98-80	38	0.7	6.6	1.6	7.5	0.2	0.1	-1	-0.5	4.8	3.6
Kerrsville, NC0541	32	-1.5	-0.5	-0.6	0.6	0.1	0.3	-0.8	-0.8	3.1	1.1
Kilfeera Park, 1.579	24	1.8	3.9	0.8	2.3	-0.4	-0.6	0.8	0.7	-3.8	-4.1

Table 9. Estimated Progeny Values (continued)

Sire Name	Progeny No Accuracy	GFW %		CFW %		FD _m		CVFD %		BW %	
		1st	2nd	1 st	2nd	1st	2nd	1st	2nd	1st	2 nd
Kilfeera Park, 5.189	35	7.6	9.2	5.7	7.4	0	-0.1	1	1.1	1.4	0.8
Kilfeera Park, 6.275	52	1.4	2.0	5.7	7.2	0.6	0.7	-0.4	-0.2	-1.3	-0.7
Kilfeera Park, 8.841	43	-2.1	0.5	-0.3	7.2	0.1	0.3	-0.3	-0.2	-4.2	-3.7
Kilfeera Park, 9.100	34	2.6	5.1	4.2	5.7	0.4	0.1	0	0.2	-0.1	-1.3
Kurra-Wirra, BZ480	40	3.3	2.5	4.2	4.9	0.4	0.7	-0.3	-0.2	3.4	3.0
Kurra-Wirra, G524	20	-1.4	-0.8	-2.5	-4.5	-0.6	-1.0	0.7	0.7	-2.1	-2.1
Nicholson River, B72	42	-3.1	-3.5	-4	-3.9	0.1	-0.1	-0.5	-0.5	-1.3	-0.1
One Oak Poll, RED 1	30	3.9	2.4	4.4	4.4	0.3	0.4	-0.1	0.0	1.0	1.0
Rocky Point, G159	47	3.9	9.1	3.2	7.2	-0.2	-0.1	0.5	0.3	-3.4	-3.9
Rocky Point, R6	84	-1.7	1.7	-2.7	-1.0	-0.2	-0.2	-0.3	-0.1	0.2	2.1
Roseville Park, 3.1440	31	5.1	3.4	8.5	6.4	-0.1	0.0	0	0.0	2.2	2.4
The Mountain Dam, NI011	44	3.9	-0.5	4.4	-0.8	-0.2	0.1	-0.6	-0.8	1.9	1.5
Toland Poll, BK315	32	2.8	5.7	2.9	5.3	0.6	0.7	-0.9	-0.7	5.3	3.6
Toland Poll, OR1349	18	-3	-2.5	-0.7	-0.1	-0.3	-0.1	-0.2	-0.4	0.0	1.4
Toland Poll, P30	109	-3.7	-1.5	-0.4	2.8	0.3	0.5	-0.1	-0.1	-3.7	-1.7
Toland Poll, R25	42	0.1	0.9	2.4	2.7	-0.4	-0.2	-0.7	-0.9	3.6	4.6
Toland Poll, W113	41	-4.3	-5.4	-0.6	-1.9	-0.3	-0.4	0.2	0.4	-4.0	-5.5
Toland Poll, W183	53	4.1	-0.2	2.6	-3.7	-0.3	-0.2	-0.7	-0.7	4.1	3.3
Toland Poll, W69	38	6.7	10.4	7.9	11.0	0.5	0.7	0.1	0.3	-0.1	-0.4
Toland, G118	39	0.5	0.4	-1.2	-1.3	-0.4	-0.9	0.3	0.3	3.2	3.7
Toland, G299	28	1.3	7.6	0.4	5.1	-0.6	-0.5	0.5	0.7	-3.2	-1.1
Toland, Gordon	33	-2.7	-1.3	-3.1	-3.5	-0.4	-0.5	0.9	0.8	-3.6	-4.7
Wanalta, 8.6	47	3.2	2.0	0.3	-0.4	0	0.1	0.9	0.7	3.2	2.8
Wirrate, BL 179	26	-0.8	-4.1	-0.8	-1.9	-0.1	0.2	-0.3	-0.5	-2.6	-1.1
Wirrate, W047	29	0.2	-1.4	1.7	0.1	0.4	0.3	0.6	0.7	-5.1	-5.2
Wirrate, W41	43	4.3	4.0	2.5	3.9	-0.2	-0.2	1	0.8	-3.6	-4.1

Table 10. Index Values

Sire Name	No. Progeny	Micron Premium		
		3%	6%	12 %
Avington, 217	33	90.1	97.3	104.9
Bindawarra, 510	42	107.1	108.4	109.1
Bogo, B7-338	47	109.5	108.8	106.4
Broxbourne Park, 112	35	110	111.1	110.9
Broxbourne Park, A172	82	119.4	115.1	106
Broxbourne Park, RED003	49	105.1	101.5	97.3
Broxbourne Park, Y064	40	94.4	95.4	98.7
Dunbrae, 9056	35	89.8	88.5	88.6
Dundoos Park, 801	45	97.5	98.9	99.7
East Mt Ada Poll, B337	45	108.5	103.8	98.9
East Mt Ada Poll, Poll 7413	40	110.5	111.0	109.2
Eilan Donan, 256	40	93.2	92.8	94.7
Geelong Park, 30201	44	102.2	101.1	98.7
Gringegalgon, 3N1490	22	98.3	98.2	97.5
Gringegalgon, 4A0720	46	89.6	93.2	99.1
Jema, 1.837	37	92.5	100.0	106.3
Jema, 250	41	89.1	92.8	96.8
Jema, 8.11	33	73.1	79.4	90.3
Jiliby, 6.140	48	85.0	85.2	85.7
Kerrsville, NB 98-80	38	112.8	111.0	107.5
Kerrsville, NC0541	32	96.3	96.4	98.9
Kilfeera Park, 1.579	24	102.7	104.9	104.3
Kilfeera Park, 5.189	35	112.8	110.1	103.8
Kilfeera Park, 6.275	52	114.8	109.6	104.6
Kilfeera Park, 8.841	43	106.9	104.6	102.9
Kilfeera Park, 9.100	34	109.3	106.7	102.8

Table 10. Index Values (continued)

Sire Name	No. Progeny	Micron Premium		
		3%	6%	12 %
Kurra-Wirra, BZ480	40	108.4	104.1	100.1
Kurra-Wirra, G524	20	95.0	100.0	103.0
Nicholson River, B72	42	95.1	96.3	98.3
One Oak Poll, RED 1	30	108.4	105.3	101.7
Rocky Point, G159	47	108.9	108.0	104.9
Rocky Point, R6	84	102.2	102.9	103.4
Roseville Park, 3.1440	31	117.5	115	110.5
The Mountain Dam, NI011	44	102.2	102.7	103.5
Toland Poll, BK315	32	107.0	103.0	99.3
Toland Poll, OR1349	18	103.0	103.6	104.8
Toland Poll, P30	109	105	101.8	99.8
Toland Poll, R25	42	111.9	112.9	112.2
Toland Poll, W113	41	93	95.6	99.6
Toland Poll, W183	53	98.1	100.4	102.6
Toland Poll, W69	38	117.1	110.4	102.8
Toland, G118	39	103.8	107.2	107.4
Toland, G299	28	111.4	111.8	108.8
Toland, Gordon	33	89.5	92.9	96.5
Wanalta, 8.6	47	98.3	97.7	96.1
Wirrate, BL 179	26	97.6	97.7	99.4
Wirrate, W047	29	97.1	94.7	93.6
Wirrate, W41	43	102.5	102.2	100.5

Table 11. Top 15 Sires Ranked on 3%, 6% and 12% Micron Premiums (1997-2005)

Top 15 Based on 3% Micron Premium Maintain FD & Maximise FW Gain		Top 15 Based on 6% Micron Premium Moderate FD Reduction & Moderate FW Gain		Top 15 Based on 12% Micron Premium Maximise FD Reduction & Small FW Gain	
Sire Name	Index	Sire Name	Index	Sire Name	Index
Broxbourne Park, A172	119.4	Broxbourne Park, A172	115.1	Toland Poll, R25	112.2
Roseville Park, 3.1440	117.5	Roseville Park, 3.1440	115	Broxbourne Park, 112	110.9
Toland Poll, W69	117.1	Toland Poll, R25	112.9	Roseville Park, 3.1440	110.5
Kilfeera Park, 6.275	114.8	Toland, G299	111.8	East Mt Ada Poll, Poll 7413	109.2
Kilfeera Park, 5.189	112.8	Broxbourne Park, 112	111.1	Bindawarra, 510	109.1
Kerrsville, NB 98-80	112.8	East Mt Ada Poll, Poll 7413	111.0	Toland, G299	108.8
Toland Poll, R25	111.9	Kerrsville, NB 98-80	111.0	Kerrsville, NB 98-80	107.5
Toland, G299	111.4	Toland Poll, W69	110.4	Toland, G118	107.4
East Mt Ada Poll, Poll 7413	110.5	Kilfeera Park, 5.189	110.1	Bogo, B7-338	106.4
Broxbourne Park, 112	110	Kilfeera Park, 6.275	109.6	Jema, 1.837	106.3
Bogo, B7-338	109.5	Bogo, B7-338	108.8	Broxbourne Park, A172	106
Kilfeera Park, 9.100	109.3	Bindawarra, 510	108.4	Avington, 217	104.9
Rocky Point, G159	108.9	Rocky Point, G159	108.0	Rocky Point, G159	104.9
East Mt Ada Poll, B337	108.5	Toland, G118	107.2	Toland Poll, OR1349	104.8
One Oak Poll, RED 1	108.4	Kilfeera Park, 9.100	106.7	Kilfeera Park, 6.275	104.6

Table 12. Sire & Owner Details

Sire	Owner	Phone	Year
Avington, 217	Noel and Lindsay Henderson	03.54237100	2001
Bindawarra , 510	Murray Toland	03.51591362	2002
Bogo, B7-338	Malcolm Peake	02.62267259	2001
Broxbourne Park, 112	Robin & Carolyn Steers	03.57962259	1998
Broxbourne Park, A172	Robin & Carolyn Steers	03.57962259	1997,2002
Broxbourne Park, RED003	Robin & Carolyn Steers	03.57962259	1999,2000
Broxbourne Park, Y064	Robin & Carolyn Steers	03.57962259	2002
Dunbrae, 9056	John McCracken	03.57962386	2003
Dundoos Park, 801	Peter Cathles	02. 62275851	2002
East Mt Ada Poll, B337	Sam Burston	03.57641324	1998,1999
East Mt Ada Poll, Poll 7413	Sam Burston	03.57641324	2000
Eilan Donan, 256	Jock McRae	03.54733256	2003
Geelong Park, 30201	Andrew Vizard	03.97312225	2000
Gringegalgona, 3N1490	Stephen Silcock	03.55743202	1999
Gringegalgona, 4A0720	Stephen Silcock	03.55743202	2002
Jema, 1.837	Ian Gill	03 5762 4949	2003
Jema, 250	Ian Gill	03 5762 4949	2000
Jema, 8.11	Ian Gill	03 5762 4949	2002
Jiliby, 6.140	R.E. Maguire	02.64521745	2001
Kerrsville, 98-80	Robert Plush	03.55750208	2002
Kerrsville, NC0541	Robert Plush	03.55750208	2003
Kilfeera Park, 1.579	Murray & Fiona McKenzie	03.57666278	2003
Kilfeera Park, 5.189	Murray & Fiona McKenzie	03.57666278	1998
Kilfeera Park, 6.275	Murray & Fiona McKenzie	03.57666278	2000
Kilfeera Park, 8.841	Murray & Fiona McKenzie	03.57666278	2001
Kilfeera Park, 9.100	Murray & Fiona McKenzie	03.57666278	2002
Kurra-Wirra, BZ480	Robert Close	03.55704238	2002
Kurra-Wirra, G524	Robert Close	03.55704238	1999
Nicholson River, B72	Doug Pemberton	03.51568952	2001
One Oak Poll, RED 1	Alistair Wells	03.58867117	2001
Rocky Point, G159	Matthew Allen	03.57251665	2001
Rocky Point, R 6	Matthew Allen	03.57251665	2003
Roseville Park, 3.1440	Graham Coddington	02.68877230	1998
The Mountain Dam, NI011	Tom Silcock	03.53882238	2001
Toland Poll, BK315	Phil Toland	03.57981605	2001
Toland Poll, P30	Phil Toland	03.57981605	1997,2000
Toland Poll, R25	Phil Toland	03.57981605	1997
Toland Poll, W113	Phil Toland	03.57981605	1998
Toland Poll, W183	Phil Toland	03.57981605	2002
Toland Poll, W69	Phil Toland	03.57981605	2003
Toland, G118	Phil Toland	03.57981605	2000
Toland, G299	Phil Toland	03.57981605	1999
Toland, Gordon	Phil Toland	03.57981605	2001
Wanalta, 8.6	Helen & Colin Barlow	03 5856 7236	2000
Wirrate, BL 179	Kenneth Heal	03.57942475	2002
Wirrate, W047	Kenneth Heal	03.57942475	1999
Wirrate, W41	Kenneth Heal	03.57942475	2000