



Department of
Primary Industries



MLP 2017 and 2018 Drops

Raw Data, Adjusted Sire Means & Flock Breeding Values (FBVs)



March 2021

PLEASE READ THE DISCLAIMERS ON EACH PAGE BEFORE USING RESULTS

- Individual sire results may not be representative of a sire's bloodline -
Sires were specifically selected for the MLP project, [more details available for download here.](#)

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www.merinosuperiorsires.com.au

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Foundation Ewe Base

The base ewes for the site were sourced from commercial clients of two bloodlines from the central west of New South Wales. One ewe base was sourced from large framed, heavy cutting Merino flocks that averaged between 20.5 and 21.5 μ m, whilst the other was sourced from all purpose Merino flocks which averaged between 18.0 and 18.5 μ m. Ewes from these two bloodlines were equally allocated to each sire.

Understanding the Results

The sire results in this booklet include **Raw Data, Adjusted Sire Means and Within-Site and Within-Drop Flock Breeding Values (FBVs)**.

Term	Definition		
Site Breeding Objective:	To breed a highly commercially viable flock of sheep suitable for the climate and pasture conditions of the western slopes and plains of NSW. Sheep should not require high management inputs but be highly productive (fleece weight) relative to a medium wool type and have good carcase and fertility characteristics that make ewes suitable as 1st cross or prime lamb dams. In addition to soundness, the production emphasis is equally on increasing fleece weight, carcase and fertility while maintaining fibre diameter.		
Raw data:	Ewe progeny results which are unadjusted for birth type, rear type, age of dam or management group. No account is made for trait heritability and genetic correlations between traits.		
Adjusted Sire Means:	Sire means are the average performance of all the progeny of a sire adjusted for an individual's birth type, rear type, age of dam, management group and the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs. Adjustments improve the accuracy of the result and the size of the adjustment is based on the actual influence of these factors on the drop. No account is made for trait heritability and genetic correlations between traits. The overall progeny group mean is listed at the bottom of the table.		
Within-Site and Within-Drop Flock Breeding Values (FBVs):	FBVs presented are calculated from data recorded within-site and within-drop and express the expected genetic performance of a sire relative to another sire in the evaluation (when mated to the same standard of ewes). FBVs improve the accuracy of sire results because they account the association between traits, the heritability of the trait, and non-genetic affects such as birth and rear type, sex (see adjustments listed earlier), and the number of progeny a sire has in the analysis. Adult FBVs are calculated using all measured assessments up to the current stage. As further assessments are completed, breeding values at earlier stages are also subject to change.		
Age at assessment:	M = Marking W = Weaning E = Early Post Weaning P = Post Weaning Y = Yearling	- 14 to 42 days - 42 to 120 days - 120 to 210 days - 210 to 300 days - 300 to 400 days	H = Hogget A2 = Adult A3 = Adult A4 = Adult A5 = Adult
			- 400 to 540 days - 1.5 to 2.5 years - 2.5 to 3.5 years - 3.5 to 4.5 years - 4.5 to 5.5 years
Breeders flock, Sire number:	Identity of the breeder's flock and the sire's number or name.		
Classers Visual Grade:	A classer grades all progeny as either Tops, Flocks or Culls based on their visual assessment of all traits relative to the Site's Breeding Objective (see above) and is done in conjunction with the assessment of a range of visual traits. This classing reflects the approach that may be undertaken in a commercial flock.		
F1 Ewe:	First generation Merino ewe progeny that will be assessed through life.		
F2 Progeny:	Progeny of the F1 ewe that are assessed until weaning and then leave the project.		
Indexes:	A breeding index combines multiple flock breeding values into a single value that reflects a certain emphasis on these traits (see Understanding Indexes, page 4 for more information).		
Professional Classifier Grade:	A classer grades all progeny as either a Top, Stud, Flock, Sale or Cull based on their visual assessment of all traits relative to the Site's Breeding Objective. This classing reflects the approach that may be undertaken in a stud flock.		
Traits: Abbreviation, trait and the (units reported)	GFW: Greasy fleece weight (kg/%) CFW: Clean fleece weight (kg/%) FD: Average fibre diameter (µm) WT: Body weight (kg) FDCV: Fibre diameter coefficient of variation (%) SL: Staple length (mm) at the mid-side SS: Staple strength (Nktex) at the mid-side EMD: Eye muscle depth (mm) at the 'C' site FAT: Fat depth (mm) at the 'C' site WEC: Worm egg count (%)		Foetus Rate: Foetuses scanned divided by ewes joined Survival: Lambs weaned divided by foetuses scanned Weaning Rate: Lambs weaned divided by ewes joined <i>Research Breeding Values</i> CONC / LS / ERA / NLW: See pages 19 and 35 for trait definitions and units for the Reproduction Research Breeding Values.
Visual Traits as reported: Based on the Visual Sheep Scores booklet.	BRWR: Breech Wrinkle BCOV: Breech Cover DAG: Dag URINE: Urine stain BDWR: Body Wrinkle	LEGS: Feet and Legs FACE: Face Cover BACK: Shoulder/Back COL: Wool Colour SSTRC: Staple Structure	FLROT: Fleece Rot DUST: Dust penetration WEATH: Staple Weathering CHAR: Wool Character <i>Further traits reported in AMSEA Site Reports available via merinosuperiorsires.com.au</i>
Trait Leaders:	The highest performing 3 (or more if equal) sires for each trait (trait leaders) are highlighted by shading .		

MERINOSELECT indexes

A guide from Sheep Genetics

Why use a selection index?

Indexes are an important tool to drive genetic improvement in ram breeding programs. Each index combines multiple measured traits, or breeding values, into a single value that reflects a certain production emphasis on these traits. A range of traits are included which are of economic or functional importance. Collectively, these traits make up the “breeding objective” of the index which aims to improve profitability in commercial sheep enterprises.

Indexes are useful because they balance genetic improvement appropriately across a range of traits with the emphasis of each individual trait determined by its relative importance to a selection approach for a particular style of production system.

“ Appropriately designed indexes are central to the goal of breeding more profitable sheep.

However, it is recommended that the performance of individual measured and visually assessed traits also be used in conjunction with indexes.

Choosing the right index

This report includes four indexes based on four commercial production systems, these are outlined in the figure below.

The Sheep Genetics website gives further index descriptions and explains that there are ‘base’ and ‘plus’ levels for each index with the latter including the breeding values of additional traits. Sires reported within this document have accurate breeding values for these additional traits and so the plus indexes are reported; DP+, MP+, FP+ and WP+.

Dual Purpose (DP+) Income is a balance of wool from breeding ewes and meat production from lambs by Merino and terminal sires.	Merino Production (MP+) Income is a balance of wool and surplus Merino sheep sales with balanced improvement of fleece weight and fibre diameter.
Fibre Production (FP+) Income is mainly from the wool clip with a focus on superior wool quality through improving fibre diameter, CV and staple strength.	Wool Production (WP+) Income is a balance of wool and surplus Merino sheep sales with greater emphasis on increasing fleece weight.

“ When selecting on these indexes the long-term responses will vary depending on the traits measured, available pedigree, use of genomics, flock structure and selection emphasis on the index.

The changes in individual traits from using an index depend on the information you record in your flock. If you want to improve, or even just maintain a trait, you must record it to ensure breeding values are sufficiently accurate for the index to do its job.

For detailed explanations and further information on indexes visit:

www.sheepgenetics.org.au

Sheep Genetics have resources available for both ram breeders and ram buyers.

2018 Sire and Contact Details

- Individual sire results may not be representative of a sire's bloodline -

Sires were specifically selected for the project to generate a population that is industry representative. [More details available for download here.](#)
Each site's sire list will include rams representing a range in breeding philosophies, types, skin types, performance, age, horn status and industry usage.

Breeders flock, Sire name Sire ID #	Contact Details	Sire of Sire	Poll	Link Sire
Anderson Poll, 150266 609147-2015-150266, Poll Merino	Lynley Anderson Brookvale, RMB 512, Kojonup WA 6395 M: 0429 328 055, E: info@andersonrams.com.au	609147-2013-130546 (Anderson Poll, 130546)	PP	
Centre Plus Poll, 707115 601250-2007-707115, Poll Merino	Robert Mortimer Devondale, Tullamore NSW 2874 P: (02) 6892 8259, M: 0429 928 292, E: robert@centreplus.com.au	601250-2004-407373 (Centre Plus Poll, 407373)	PP	Link Sire
Charinga, 130240 (Doc) 504470-2013-130240, Merino	Roger Polkinghorne 485 Berrimal West Rd, Berrimal VIC 3518 M: 0427 358 168, E: info@charinga.com.au	503011-2009-097108 (Orrie Cowie, 097108 (Excellor 108))	HH	
GRASS, 141924 (R15) 503884-2014-141924, Merino	Graham Peart GRASS Merinos Pty Ltd, PO Box 216, Nambucca Heads NSW 2448 P: 0428 825 721, E: g.peart@icloud.com	Unknown	PH	
Glen Donald, 120014 503543-2012-120014, Merino	Robert Harding 431 L Bones Rd, Nhill VIC 3418 P: (03) 5392 9271, M: 0417 565 805	503543-2009-090402 (Glen Donald, 090402)	HH	Link Sire
GullenGamble Poll, 014189 601414-2014-014189, Poll Merino	Mark Kerin GullenGamble, Yeoval NSW 2868 P: (02) 6846 4252, M: 0427 464 252, E: gullen@bordernet.com.au	503789-2012-120910 (Wallaloo Park, 120910)	PP	
Haddon Rig, 2.715 500048-2012-120715, Merino	Andy Maclean Haddon Rig, Warren NSW 2824 P: (02) 6847 4405, M: 0429 662 226, E: admin@haddon-rig.com.au	503805-2009-009778 (White River, 009778)	HH	Link Sire
Hazeldean, 11.3542 (Hugh) 500383-2011-003542, Merino	Jim Litchfield Hazeldean Pty Ltd, Cooma NSW 2630 P: (02) 6453 5555, M: 0417 676 561, E: admin@hazeldean.com.au	601050-2002-020603 (Stockman Poll, 020603)	PH	Link Sire
Kerin Poll, 160137 601413-2016-160137, Poll Merino	Nigel Kerin Karuga Park, 1142 Bournemouth Rd, Yeoval NSW 2868 M: 0427 46 4070, E: kerinag@bigpond.com	600088-2013-130306 (Moorundie Park Poll, 130306)	PP	

2018 Sire and Contact Details

Breeders flock, Sire name Sire ID #	Contact Details	Sire of Sire	Poll	Link Sire
Langdene, 160950 503863-2016-160950, Merino	Garry Cox Langdene, 1127 Dubbo Road, Dunedoo NSW 2844 P: (02) 6375 1972, M: 0427 456 125, E: garry@langdene.com.au	503863-2011-110075 (Langdene, 110075)	HH	
Lewisdale Poll, 150010 (Monty) 600531-2015-150010, Poll Merino	Ray Lewis RMB 53, Wickepin WA 6370 P: (08) 9888 1022, M: 0429 100 641, E: rphelewis@lewisdale.com.au	600531-2013-130030 (Lewisdale Poll, 130030)	PH	
Orrie Cowie, 140050 (Trojan) 503011-2014-140050, Merino	John Dalla PO Box 178, Warooka SA 5577 P: (08) 8854 5250, E: orriecowie@bigpond.com	500318-2012-120181 (Collinsville, 120181)	HH	
Roseville Park, 150039 504166-2015-150039, Merino	Matthew and Cherie Coddington Glenwood, 39R Dilladerry Rd MS3, Dubbo NSW 2830 P: (02) 6887 7286, M: 0428 635 386, E: rpmerinos@bigpond.com	609147-2012-120103 (Anderson Poll, 120103)	PH	
Stockman Poll, 130707 601050-2013-130707, Poll Merino	Kip Gray Melton Vale, 85 Lake Highway, Melton Mowbray TAS 7030 P: (03) 6259 1162, M: 0418 589 051, E: kgray@stockmanstud.com.au	600553-2007-070002 (Coromandel Poll, 070002)	PP	
Wanganella, 150610 500083-2015-150610, Merino	Angus Munro Boonoke, Conargo Road, Denliquin NSW 2710 P: (03) 5884 6604, M: 0488 601 603, E: amunro@austfood.com.au	500083-2013-130750 (Wanganella, 130750)	HH	
Willandra Poll, 160001 600610-2016-160001, Poll Merino	Ross Wells Willandra, 477 North Coree Rd, Jerilderie NSW 2716 P: (03) 5886 1223, M: 0428 861 605, E: willandramerinos@gmail.com	600610-2014-140030 (Willandra Poll, 140030)	PP	

Sire ID provides a unique number for all sheep. A sire ID has 16 digits.

- 2 for the breed of the flock, e.g., Merino (50), Poll Merino (60), Dohne (51), SAMM (48).
- 4 for flock code, AASMB Registered flock code or unregistered code.
- 4 for year of drop.
- 6 for tag number used in the breeder's records.

Link Sires are those evaluated to provide links between years and sites so that the all site results can be combined into a single report.

2018 Drop

Raw Data

Birth and Rear Type – F1 Ewes

Breeders flock, Sire number	Birth Type (Scanning)			Rear Type (Weaning)		
	Single	Twin	Triple	Single	Twin	Triple
Anderson Poll, 150266	9	32	1	18	24	
Centre Plus Poll, 707115	11	33	2	17	29	
Charinga, 130240 (Doc)	10	24	1	18	17	
GRASS, 141924 (R15)	12	26	1	16	23	
Glen Donald, 120014	9	26	2	18	19	
GullenGamble Poll, 014189	15	23	3	20	20	1
Haddon Rig, 2.715	13	23	1	14	23	
Hazeldean, 11.3542 (Hugh)	8	35	9	16	36	
Kerin Poll, 160137	12	10		17	5	
Langdene, 160950	5	21		13	13	
Lewisdale Poll, 150010 (Monty)	9	27	3	16	22	1
Orrie Cowie, 140050 (Trojan)	13	20	5	18	20	
Roseville Park, 150039	12	24	4	19	21	
Stockman Poll, 130707	9	25	3	17	20	
Wanganella, 150610	9	33		18	24	
Willandra Poll, 160001	9	25	2	12	24	
Average	165	407	37	267	340	2
Total	27%	67%	6%	44%	55%	1%

This relates to the 2018 Drop F1 ewes own birth and rear type

Raw Data

Counts – F1 Ewes

Marking	Weaning	Post Weaning Classing	Hogget Classing	Adult2 Classing	Survival Rate from Marking
16/05/18	15/08/18	22/02/19	17/10/19	14/10/20	%
42	42	40	40	40	95%
46	46	44	44	43	93%
40	35	33	33	33	83%
45	39	34	34	33	73%
38	37	37	36	36	95%
42	41	38	38	36	86%
37	37	34	34	34	92%
56	52	40	40	40	71%
26	22	22	22	22	85%
26	26	24	24	24	92%
42	39	34	34	32	76%
38	38	33	33	32	84%
42	40	35	34	31	74%
41	37	33	33	33	80%
42	42	38	37	37	88%
36	36	32	32	31	86%
40	38	34	34	34	84%
639	609	551	548	537	

Reductions in F1 Ewe counts are a result of mortality and culling for welfare reasons. Welfare culls generally equate to less than 2 ewes per year. The weaner mortality in the 2018 Drop is higher than expected owing to misadventure. A loss of 6% of F1 ewes resulted. NSW DPI have measures in place to ensure the circumstances leading to the deaths will not occur again. Future project survival analysis will exclude losses by misadventure and welfare culling.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2018 Drop

Raw Data

Wool – F1 Ewes

Wool growth in Months

Post Weaning	9
Hogget	8
Adult2	12

Breeders flock, Sire number	GFW (kg)			CFW (kg)			FD (µm)			FDCV (%)			SL (mm)			SS (Nktex)		
	P	H	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2
Anderson Poll, 150266	4.0	4.8	6.2	2.1	2.3	4.0	17.0	18.2	18.9	18.3	15.8	15.1	83.3	75.9	114.1	15.1	37.9	30.3
Centre Plus Poll, 707115	4.1	5.0	6.5	2.4	2.6	4.4	16.9	18.1	18.8	18.9	16.1	17.0	92.2	80.5	124.4	18.2	42.9	28.0
Charinga, 130240 (Doc)	4.2	5.1	7.4	2.3	2.6	5.1	16.8	17.6	18.7	19.6	18.9	19.2	80.7	71.2	113.1	18.6	38.9	29.6
GRASS, 141924 (R15)	4.0	5.3	7.0	2.1	2.6	4.8	17.3	17.9	18.4	18.4	17.2	17.3	79.1	72.2	114.8	20.6	42.8	32.0
Glen Donald, 120014	3.9	5.0	6.9	2.4	2.7	5.1	17.3	18.1	19.4	21.1	19.4	20.5	84.2	71.8	114.5	14.0	39.7	22.9
GullenGamble Poll, 014189	4.1	5.0	6.9	2.5	2.7	4.9	17.3	18.0	19.2	18.5	15.4	16.3	90.8	77.0	121.7	17.3	42.3	28.5
Haddon Rig, 2.715	4.0	5.0	7.2	2.5	2.7	5.4	17.7	18.6	20.0	18.6	16.7	17.5	85.4	74.6	118.6	17.8	45.4	29.9
Hazeldean, 11.3542 (Hugh)	3.9	5.2	6.8	2.2	2.6	4.5	16.2	16.8	17.7	19.0	16.9	18.0	77.1	69.5	109.7	19.4	43.5	31.2
Kerin Poll, 160137	4.5	5.3	7.4	2.6	2.9	5.2	17.5	18.4	19.6	17.9	16.0	17.0	92.8	82.3	127.8	18.2	46.6	32.0
Langdene, 160950	4.7	5.7	7.5	2.5	2.7	4.9	17.2	18.5	19.4	18.9	15.5	16.5	83.7	76.8	120.4	20.2	47.4	34.8
Lewisdale Poll, 150010 (Monty)	4.2	5.1	7.4	2.5	2.7	5.3	18.5	19.1	20.4	19.9	18.3	19.0	85.9	73.1	114.6	19.3	43.6	29.8
Orrie Cowie, 140050 (Trojan)	4.0	5.3	7.3	2.2	2.5	4.8	16.6	17.3	18.5	19.6	17.9	18.8	80.8	70.8	112.6	17.7	35.1	25.1
Roseville Park, 150039	4.1	5.1	6.6	2.3	2.6	4.5	17.3	18.3	18.8	19.2	16.9	17.1	83.4	74.3	115.4	17.9	44.5	27.8
Stockman Poll, 130707	3.9	4.8	6.5	2.2	2.5	4.5	16.4	17.0	17.9	18.7	16.9	17.4	80.6	71.6	113.2	19.2	44.8	32.3
Wanganella, 150610	4.3	5.3	7.7	2.6	2.8	5.4	17.1	18.2	19.3	20.5	18.2	18.6	85.8	77.1	122.8	16.2	44.3	29.3
Willandra Poll, 160001	4.2	5.7	7.3	2.3	2.9	5.0	17.3	18.4	19.3	19.0	17.0	17.6	77.6	72.5	111.3	17.4	44.0	27.2
Average	4.1	5.2	7.0	2.4	2.7	4.9	17.2	18.0	19.0	19.1	17.1	17.7	84.0	74.5	116.8	17.9	42.7	29.4

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2018 Drop

Raw Data

Weights – F1 Ewes

Breeders flock, Sire number	W	P	Y	Weight Gain Weaning to Yearling	H	A2 Pre Joining	Weight Gain Weaning to A2 Joining	A3 Pre Joining
	(kg) 15/08/18	(kg) 11/12/18	(kg) 10/03/19	(kg) (kg)	(kg) 21/06/19	(kg) 19/11/19	(kg) (kg)	(kg) 08/12/20
Anderson Poll, 150266	18.9	35.8	40.7	21.8	50.2	47.7	28.8	69.2
Centre Plus Poll, 707115	19.0	33.7	38.1	19.1	47.9	47.3	28.3	62.6
Charinga, 130240 (Doc)	20.9	36.0	39.3	18.4	49.0	47.7	26.8	66.8
GRASS, 141924 (R15)	18.8	34.1	39.7	20.9	47.4	44.6	25.8	64.6
Glen Donald, 120014	18.4	34.0	36.8	18.4	46.0	42.8	24.4	63.3
GullenGamble Poll, 014189	19.6	34.0	38.2	18.6	46.3	43.1	23.5	64.1
Haddon Rig, 2.715	18.9	34.0	37.6	18.7	45.1	42.1	23.2	62.3
Hazeldean, 11.3542 (Hugh)	17.5	30.7	36.2	18.7	43.1	41.7	24.2	60.2
Kerin Poll, 160137	21.2	36.5	40.9	19.7	50.1	46.4	25.2	69.9
Langdene, 160950	19.3	35.0	37.5	18.2	48.4	45.9	26.6	66.1
Lewisdale Poll, 150010 (Monty)	19.4	35.0	38.4	19.0	47.1	44.3	24.9	67.2
Orrie Cowie, 140050 (Trojan)	20.3	37.4	42.3	22.0	51.7	49.2	28.9	70.4
Roseville Park, 150039	18.9	35.5	40.2	21.3	48.9	46.2	27.3	67.0
Stockman Poll, 130707	19.9	34.1	38.5	18.6	47.0	45.5	25.6	68.2
Wanganella, 150610	19.7	35.0	39.6	19.9	49.0	45.6	25.9	67.9
Willandra Poll, 160001	18.9	34.5	39.4	20.5	48.9	46.4	27.5	64.0
Average	19.4	34.7	39.0	19.6	47.9	45.4	26.1	65.9

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
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2018 Drop

Raw Data

Carcase Measurements and Condition Scores – F1 Ewes

Breeders flock, Sire number	EMD (mm)			FAT (mm)			Condition Score		
	Y	A2	A3	Y	A2	A3	Y	A2	A3
	10/03/19	PreJoining 19/11/19	PreJoining 08/12/20	10/03/19	PreJoining 19/11/19	PreJoining 08/12/20	10/03/19	PreJoining 19/11/19	PreJoining 08/12/20
Anderson Poll, 150266	20.6	20.7	24.8	2.1	2.5	5.0	2.8	2.8	3.9
Centre Plus Poll, 707115	20.8	23.1	25.0	1.9	2.7	4.2	2.9	3.0	3.7
Charinga, 130240 (Doc)	20.3	21.5	25.7	1.6	1.7	3.6	2.8	2.7	3.6
GRASS, 141924 (R15)	20.6	21.0	25.3	1.9	2.1	4.4	2.8	2.8	3.7
Glen Donald, 120014	18.7	19.4	22.7	1.5	1.8	3.8	2.6	2.5	3.4
GullenGamble Poll, 014189	19.7	19.6	23.2	1.8	1.9	3.8	2.8	2.6	3.6
Haddon Rig, 2.715	19.4	19.9	23.7	1.8	1.7	4.0	2.7	2.5	3.6
Hazeldean, 11.3542 (Hugh)	19.8	19.8	23.7	1.8	2.3	4.6	2.7	2.7	3.6
Kerin Poll, 160137	18.9	19.0	23.5	1.6	1.8	4.2	2.7	2.6	3.5
Langdene, 160950	18.3	19.7	22.9	1.3	2.0	3.8	2.7	2.6	3.5
Lewisdale Poll, 150010 (Monty)	20.4	20.4	25.3	1.7	1.8	4.9	2.8	2.7	3.8
Orrie Cowie, 140050 (Trojan)	20.3	21.5	25.2	2.0	2.2	4.7	2.8	2.8	3.7
Roseville Park, 150039	21.7	22.6	26.5	2.3	2.8	5.1	3.0	2.9	3.9
Stockman Poll, 130707	19.5	20.6	25.2	1.6	2.0	4.7	2.7	2.7	3.8
Wanganella, 150610	19.7	20.4	24.5	2.0	2.2	4.8	2.8	2.7	3.6
Willandra Poll, 160001	21.1	21.9	24.8	1.8	2.1	4.3	2.9	2.8	3.6
Average	20.0	20.7	24.5	1.8	2.1	4.4	2.8	2.7	3.7

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2018 Drop

Raw Data

Visual Scores – F1 Ewes

Breeders flock, Sire number	Breech				Conformation									Wool Quality											
	BRWR	BCOV	Urine		BDWR			LEGS			FACE			COL			FLROT			DUST			CHAR		
	M	M	P	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2			
Anderson Poll, 150266	2.9	3.6	1.4	1.9	2.9	2.4	3.1	2.0	2.0	2.1	3.0	3.5	3.3	2.4	2.5	1.9	1.5	1.0	1.1	4.2	4.7	2.5	2.7	2.7	2.4
Centre Plus Poll, 707115	2.9	3.4	1.4	2.2	2.6	2.4	3.1	2.0	2.0	2.4	3.1	3.3	3.3	2.5	2.4	1.5	1.4	1.0	1.2	4.3	4.9	2.7	2.8	2.8	2.7
Charinga, 130240 (Doc)	2.9	3.7	1.4	1.7	2.9	2.4	3.1	2.1	2.0	2.1	3.0	3.5	3.8	2.7	2.4	1.9	2.0	1.0	1.1	4.0	4.6	2.0	2.5	2.6	2.4
GRASS, 141924 (R15)	2.9	3.6	1.2	1.9	3.0	2.3	3.2	2.0	1.8	2.1	3.0	3.2	3.4	2.4	2.8	1.6	1.5	1.0	1.1	3.9	4.6	2.1	3.0	3.2	2.8
Glen Donald, 120014	3.0	3.5	1.3	2.2	2.8	2.1	3.0	2.1	1.9	2.3	3.0	3.4	3.7	2.4	2.8	1.4	1.3	1.0	1.3	4.4	4.7	2.0	2.9	3.0	2.8
GullenGamble Poll, 014189	2.8	3.8	1.2	2.0	2.8	2.0	2.9	1.6	1.8	1.8	2.9	3.1	3.1	2.6	2.3	1.4	1.5	1.0	1.0	4.1	4.8	2.0	2.2	1.8	1.7
Haddon Rig, 2.715	2.8	3.7	1.2	1.8	2.8	2.0	3.0	2.0	1.8	1.7	3.0	3.4	3.6	2.5	2.9	1.9	1.4	1.0	1.1	4.2	4.9	2.2	3.2	3.1	2.9
Hazeldean, 11.3542 (Hugh)	3.2	3.7	1.3	2.0	3.0	2.6	3.2	2.3	2.2	3.0	3.0	3.7	3.7	2.0	2.5	1.6	1.7	1.0	1.1	4.1	4.7	2.1	2.6	2.7	2.5
Kerin Poll, 160137	2.9	3.3	1.2	1.8	2.9	2.3	3.2	2.1	1.6	1.6	2.9	3.2	3.2	2.8	2.3	1.7	2.2	1.0	1.1	4.4	4.8	2.1	2.7	2.6	2.3
Langdene, 160950	3.7	3.7	1.3	1.6	3.3	2.8	3.4	2.1	2.0	2.1	3.0	3.7	3.6	2.4	2.4	1.6	1.3	1.0	1.0	3.7	4.6	2.2	2.6	2.9	2.7
Lewisdale Poll, 150010 (Monty)	2.8	3.7	1.2	2.0	2.9	2.3	3.0	1.6	1.5	1.4	3.0	3.4	3.5	2.7	3.3	2.0	1.7	1.0	1.0	4.1	4.4	1.9	3.3	3.4	3.3
Orrie Cowie, 140050 (Trojan)	2.9	3.8	1.1	1.4	2.5	1.7	2.8	1.6	1.7	1.6	3.0	3.4	3.6	2.4	2.5	1.7	1.3	1.0	1.1	4.1	4.8	2.4	2.7	2.6	2.5
Roseville Park, 150039	3.0	3.5	1.2	1.9	2.7	2.3	3.0	2.2	2.3	2.6	2.9	3.2	3.2	2.6	2.7	1.9	2.1	1.0	1.0	4.2	4.7	2.2	2.9	2.8	2.9
Stockman Poll, 130707	3.0	3.7	1.1	1.7	3.0	2.2	3.1	1.9	1.7	1.9	3.0	3.6	3.9	2.2	2.3	1.5	1.2	1.0	1.2	3.8	4.7	2.3	2.7	2.7	2.2
Wanganella, 150610	2.9	3.7	1.3	1.9	3.0	2.2	3.1	2.0	2.0	2.0	3.0	3.5	3.8	2.7	2.7	1.9	1.8	1.0	1.1	4.2	4.8	2.3	3.0	3.0	2.8
Willandra Poll, 160001	3.4	3.7	1.3	1.9	3.2	2.7	3.3	2.4	2.3	2.7	3.0	3.3	3.3	2.6	2.8	1.7	1.7	1.0	1.1	3.9	4.4	2.1	2.9	2.8	2.6
Average	3.0	3.6	1.3	1.9	2.9	2.3	3.1	2.0	1.9	2.1	3.0	3.4	3.5	2.5	2.6	1.7	1.6	1.0	1.1	4.1	4.7	2.2	2.8	2.8	2.6

M = Marking (14 to 42 days); W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2018 Drop

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Chris Bowman

Results are ewe numbers as classed into each grade.

Breeders flock, Sire number	Post Weaning 22/02/19					Hogget 17/10/19					Adult2 14/10/20				
	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull
Anderson Poll, 150266	1	4	16	14	4		4	20	11	5		1	19	11	9
Centre Plus Poll, 707115			27	11	6	1	5	26	6	6		2	18	14	9
Charinga, 130240 (Doc)		2	12	14	5		2	19	9	3		5	21	3	4
GRASS, 141924 (R15)		2	15	11	6		2	21	7	4		2	22	3	6
Glen Donald, 120014	1	2	15	16	3		4	18	6	8	1	7	20	3	5
GullenGamble Poll, 014189		3	18	12	5	1	3	18	11	5	1	4	24	5	2
Haddon Rig, 2.715	1	2	12	12	7	1	3	16	10	4		2	25	3	4
Hazeldean, 11.3542 (Hugh)			15	13	12		2	13	13	12		1	16	15	8
Kerin Poll, 160137	1	3	9	8	1		4	14	2	2		5	16	1	
Langdene, 160950		5	13	2	4		5	16	1	2			21	3	
Lewisdale Poll, 150010 (Monty)		4	18	10	2	1	2	24	4	3		3	22	5	2
Orrie Cowie, 140050 (Trojan)	1	2	20	8	2		3	20	5	5	1	5	20	5	1
Roseville Park, 150039		2	18	12	3		3	17	10	4			18	7	6
Stockman Poll, 130707		4	15	11	3		3	19	7	4	1	3	22	7	
Wanganella, 150610	1	6	19	10	2	1	5	24	6	1	2	11	19	3	2
Willandra Poll, 160001		3	15	11	3	1	4	21	5	1			20	7	4
Total	6	44	257	175	68	6	54	306	113	69	6	51	323	95	62
	1%	8%	47%	32%	12%	1%	10%	56%	21%	13%	1%	9%	60%	18%	12%

Please note: Two different classing approaches carried out separately by two different classers are reported in this booklet. The Professional Classing results reported in the above table are raw unadjusted data based on a five way class. The Classers Grade on page 16 is presented as Adjusted Sire Means which are adjusted for birth and rear type, age of dam, age of measurement, management group and differences in progeny numbers per sire, however adjustments have not been made for F1 ewe pregnancy and lactation status. More information about these differing approaches can be found on page 3.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2018 Drop

Raw Data

Reproduction in 2020 – A2 Stage (Maiden)

13 rams were used in a syndicate and naturally joined to the F1 ewes on December 2, 2019 and were removed on January 6, 2020.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 21/02/20					F2 Progeny Weaning [^] 03/08/20					
		Ewe Numbers			Number Foetuses	Foetus Rate ¹	Lamb Numbers		Number Lambs	Weaning		Kg lambs weaned/No. ewes joined ⁴
Empty	Single	Twin	Single	Twin			Survival ²	Rate ³				
Anderson Poll, 150266	40	2	28	10	48	120%	28	13	41	85%	103%	32.7
Centre Plus Poll, 707115	43	1	28	14	56	130%	25	20	45	80%	105%	31.3
Charinga, 130240 (Doc)	33	5	23	5	33	100%	24	8	32	97%	97%	29.3
GRASS, 141924 (R15)	33		28	5	38	115%	26	6	32	84%	97%	30.9
Glen Donald, 120014	36	2	25	9	43	119%	20	12	32	74%	89%	29.9
GullenGamble Poll, 014189	37	2	30	5	40	108%	27	8	35	88%	95%	29.9
Haddon Rig, 2.715	34	2	25	7	39	115%	25	10	35	90%	103%	31.0
Hazeldean, 11.3542 (Hugh)	40	2	32	6	44	110%	27	9	36	82%	90%	27.5
Kerin Poll, 160137	22		20	2	24	109%	19	4	23	96%	105%	35.0
Langdene, 160950	24		24		24	100%	17		17	71%	71%	22.9
Lewisdale Poll, 150010 (Monty)	34	5	26	3	32	94%	21	6	27	84%	79%	25.0
Orrie Cowie, 140050 (Trojan)	33	1	27	5	37	112%	20	8	28	76%	85%	24.9
Roseville Park, 150039	34		28	6	40	118%	28	6	34	85%	100%	30.4
Stockman Poll, 130707	33	3	27	3	33	100%	24	4	28	85%	85%	26.8
Wanganella, 150610	37	3	30	4	38	103%	29	4	33	87%	89%	27.9
Willandra Poll, 160001	32		26	6	38	119%	21	10	31	82%	97%	28.0
Total	545	28	427	90	607	111%	381	128	509	84%	93%	29.0
		5%	78%	17%			75%	25%				

¹Foetus rate is calculated by number of foetuses divided by ewes joined ²Survival is calculated between foetuses scanned and lambs weaned ³Weaning rate is calculated by lambs weaned divided by ewes joined.
⁴Kg lambs weaned/No. ewes joined is calculated by dividing the total weaning weight for all F2 progeny by the number of ewes joined, the drop average is a weighted average

Reproduction traits are lowly heritable and caution should be used when using small data sets to compare sires.

Raw sire means for low heritability reproduction traits are inflated measures of genetic merit. Research Breeding Values which account for both low heritability and variable F1 ewe progeny numbers between sires, should be used for the purpose of prediction of future performance.

Reproduction Research Breeding Values are reported on page 19.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2018 Drop

Adjusted Sire Means Wool

Wool growth in Months	
Post Weaning	9
Hogget	8
Adult2	12

Breeders flock, Sire number	GFW (kg)			CFW (kg)			FD (µm)			FDCV (%)			SL (mm)			SS (Nktex)		
	P	H	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2	P	H	A2
Anderson Poll, 150266	4.0	4.8	6.2	2.2	2.3	4.0	17.0	18.2	18.9	18.4	15.8	15.1	83.1	75.5	113.9	15.1	38.0	30.5
Centre Plus Poll, 707115	4.1	5.0	6.4	2.4	2.6	4.4	16.9	18.1	18.8	18.9	16.1	17.0	92.5	80.5	124.4	18.3	43.0	27.6
Charinga, 130240 (Doc)	4.1	5.1	7.4	2.3	2.5	5.1	16.8	17.6	18.7	19.5	18.8	19.1	80.6	71.3	113.6	18.6	38.9	29.5
GRASS, 141924 (R15)	4.0	5.3	7.1	2.1	2.6	4.8	17.4	18.0	18.6	18.6	17.4	17.5	78.5	71.9	114.4	20.5	43.2	32.4
Glen Donald, 120014	3.9	5.0	7.0	2.4	2.7	5.2	17.2	18.1	19.4	21.1	19.4	20.4	84.1	72.2	114.5	13.7	39.6	22.9
GullenGamble Poll, 014189	4.1	5.0	6.8	2.5	2.7	4.8	17.3	18.1	19.2	18.4	15.4	16.4	91.1	77.0	121.5	17.3	42.3	28.3
Haddon Rig, 2.715	4.0	5.0	7.3	2.5	2.7	5.4	17.8	18.7	20.0	18.6	16.8	17.6	85.6	74.7	118.4	17.7	45.5	30.2
Hazeldean, 11.3542 (Hugh)	4.1	5.3	6.9	2.3	2.6	4.6	16.0	16.7	17.5	18.8	16.7	17.9	77.7	69.7	110.2	19.5	42.8	31.1
Kerin Poll, 160137	4.3	5.2	7.3	2.4	2.8	5.1	17.7	18.5	19.7	18.1	16.2	17.2	92.5	82.5	127.5	17.6	47.1	32.1
Langdene, 160950	4.7	5.8	7.6	2.5	2.8	5.0	17.3	18.6	19.4	18.9	15.6	16.5	83.8	76.7	120.0	20.3	48.1	34.8
Lewisdale Poll, 150010 (Monty)	4.3	5.1	7.5	2.5	2.7	5.3	18.4	19.0	20.4	19.9	18.3	19.2	86.0	73.0	114.6	19.5	44.2	30.4
Orrie Cowie, 140050 (Trojan)	3.9	5.2	7.3	2.1	2.5	4.7	16.7	17.3	18.5	19.7	17.9	18.9	80.5	70.7	112.7	17.6	35.1	25.0
Roseville Park, 150039	4.1	5.1	6.6	2.3	2.6	4.5	17.1	18.2	18.8	19.2	16.7	17.0	83.6	74.1	115.7	17.9	43.6	27.4
Stockman Poll, 130707	4.0	4.9	6.6	2.2	2.5	4.5	16.4	17.0	17.9	18.8	17.0	17.5	80.3	71.4	113.3	19.2	44.5	32.3
Wanganella, 150610	4.3	5.3	7.7	2.6	2.8	5.4	17.1	18.2	19.4	20.5	18.2	18.5	85.7	77.3	122.9	16.0	44.6	29.2
Willandra Poll, 160001	4.3	5.7	7.3	2.4	2.9	5.0	17.2	18.3	19.2	18.9	16.8	17.4	77.6	72.7	111.0	17.7	43.7	26.7
Average	4.1	5.2	7.0	2.4	2.7	4.9	17.2	18.0	19.1	19.1	17.1	17.7	84.0	74.5	116.8	17.9	42.7	29.4

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

These Adjusted Sire Means were calculated using available data from only the F1 ewe progeny of the sires.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2018 Drop

Adjusted Sire Means

Weight and Carcase

Breeders flock, Sire number	WT (kg)						EMD (mm)			FAT (mm)			Condition Score		
	W	P	Y	H	A2	A3	Y	A2	A3	Y	A2	A3	Y	A2	A3
Anderson Poll, 150266	19.0	35.9	40.7	50.2	47.6	69.0	20.5	20.7	24.9	2.1	2.5	4.9	2.8	2.8	3.9
Centre Plus Poll, 707115	19.4	33.8	38.1	47.9	47.2	62.4	20.7	23.1	24.9	1.9	2.7	4.2	2.9	3.0	3.7
Charinga, 130240 (Doc)	20.7	35.8	39.2	48.8	47.5	66.7	20.2	21.4	25.7	1.5	1.7	3.6	2.8	2.7	3.6
GRASS, 141924 (R15)	18.6	33.5	39.1	46.8	44.0	64.1	20.4	20.9	25.2	1.8	2.1	4.3	2.8	2.8	3.7
Glen Donald, 120014	18.3	34.1	36.9	46.4	43.4	63.9	18.6	19.4	22.8	1.5	1.9	3.8	2.6	2.6	3.4
GullenGamble Poll, 014189	19.4	33.9	38.1	46.2	42.8	63.8	19.7	19.5	23.2	1.8	2.0	3.8	2.8	2.6	3.6
Haddon Rig, 2.715	19.2	34.2	37.9	45.4	42.1	62.3	19.4	19.9	23.7	1.7	1.8	4.1	2.7	2.5	3.6
Hazeldean, 11.3542 (Hugh)	18.0	31.6	36.8	43.9	42.6	61.3	19.9	20.0	23.9	1.8	2.4	4.7	2.7	2.7	3.6
Kerin Poll, 160137	19.7	35.1	39.9	49.0	45.5	68.5	18.9	18.9	23.5	1.6	1.8	4.2	2.7	2.6	3.5
Langdene, 160950	19.6	35.4	38.0	48.9	46.3	66.5	18.4	19.8	23.0	1.3	2.0	3.9	2.7	2.7	3.6
Lewisdale Poll, 150010 (Monty)	19.6	35.4	38.7	47.4	44.7	67.4	20.5	20.4	25.3	1.7	1.8	4.8	2.8	2.7	3.9
Orrie Cowie, 140050 (Trojan)	19.8	36.6	41.7	50.8	48.4	69.5	20.3	21.4	25.1	2.0	2.2	4.6	2.8	2.7	3.6
Roseville Park, 150039	18.8	35.6	40.3	48.9	46.0	67.0	21.7	22.6	26.4	2.3	2.8	5.1	2.9	2.9	3.9
Stockman Poll, 130707	19.9	34.3	38.7	47.2	45.7	68.3	19.5	20.7	25.2	1.6	2.0	4.8	2.7	2.7	3.8
Wanganella, 150610	19.5	34.6	39.2	48.5	45.2	67.7	19.6	20.3	24.4	2.0	2.1	4.7	2.8	2.7	3.5
Willandra Poll, 160001	19.3	35.0	39.8	49.5	47.1	64.8	21.2	22.1	25.0	1.9	2.2	4.4	2.9	2.8	3.6
Average	19.4	34.7	39.0	47.9	45.4	65.9	20.0	20.7	24.5	1.8	2.1	4.4	2.8	2.7	3.7

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

These Adjusted Sire Means were calculated using available data from only the F1 ewe progeny of the sires.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2018 Drop

Adjusted Sire Means Classer's Visual Grade – F1 Ewes

Classer: Greg Sawyer

Breeders flock, Sire number	Progeny No [^]	TOPS (%)			CULLS (%)		
		P	H	A2	P	H	A2
Anderson Poll, 150266	40	-11	2	-2	3	1	4
Centre Plus Poll, 707115	43	3	5	-8	1	-1	16
Charinga, 130240 (Doc)	33	-7	-1	0	5	12	22
GRASS, 141924 (R15)	33	-6	-8	1	-2	0	0
Glen Donald, 120014	36	-7	-10	-2	-9	15	-1
GullenGamble Poll, 014189	36	3	-4	-7	-1	-1	-6
Haddon Rig, 2.715	34	0	-8	-7	-2	3	-3
Hazeldean, 11.3542 (Hugh)	40	-10	-7	-8	29	24	34
Kerin Poll, 160137	22	4	17	28	-2	-5	-25
Langdene, 160950	24	21	4	6	-12	-16	-9
Lewisdale Poll, 150010 (Monty)	32	-6	8	7	-10	-19	-22
Orrie Cowie, 140050 (Trojan)	32	7	14	8	-13	-1	-14
Roseville Park, 150039	31	-3	1	-10	10	5	6
Stockman Poll, 130707	33	14	-3	-2	-9	-12	-5
Wanganella, 150610	37	-1	-4	6	3	-1	-3
Willandra Poll, 160001	31	-1	-4	-9	7	-5	8
Average	34	16	14	10	31	25	24

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

[^] Progeny No is the total ewe progeny number for each sire at their most recent classing event.

These Classer's Visual Grades were calculated using only the F1 ewe progeny of the sires.

Please note: Two different classing approaches carried out separately by two different classers are reported in this booklet. The Classers Visual Grade results are presented in the table above as Adjusted Sire Means which are adjusted for birth and rear type, age of dam, age of measurement and management group, however have not been made for F1 ewe pregnancy and lactation status. The Professional Classing results reported on page 12 are raw unadjusted data based on a five way class. More information about these differing approaches can be found on page 3.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2018 Drop

Within-Site and Within-Drop Flock Breeding Values

Wool

Breeders flock, Sire number	Progeny No [^]	GFW (%)			CFW (%)			FD (μm)			FDCV (%)			SL (mm)			SS (Nktex)		
		P	H	A	P	H	A	P	H	A	P	H	A	P	H	A			
Anderson Poll, 150266	78	-5	-14	-25	-13	-30	-42	-0.2	0.3	-0.2	-1.5	-2.6	-3.8	-0.2	1.5	-2.2	-0.9	-4.8	2.9
Centre Plus Poll, 707115	88	0	-7	-15	-5	-11	-29	-0.1	0.0	-0.4	0.0	-1.1	-0.8	5.9	10.1	10.1	0.9	0.5	-3.4
Charinga, 130240 (Doc)	72	-5	-6	4	-5	-9	8	-0.7	-1.0	-0.8	0.4	1.9	1.2	-9.5	-8.1	-6.1	-0.3	-3.4	0.1
GRASS, 141924 (R15)	79	-2	5	3	-5	0	1	-0.1	0.0	-0.5	-0.2	0.3	0.5	-4.9	-5.5	-4.5	3.2	0.8	3.8
Glen Donald, 120014	69	2	-4	1	7	6	12	0.3	0.2	0.5	3.0	3.7	4.0	2.3	-2.7	-4.0	-8.6	-7.2	-11.5
GullenGamble Poll, 014189	78	0	-5	-4	7	4	1	0.6	0.2	0.4	-1.6	-2.0	-2.0	9.2	5.9	8.3	-3.6	-1.4	-2.0
Haddon Rig, 2.715	86	0	-4	6	7	10	24	0.5	1.1	1.5	0.0	-0.3	-0.1	2.4	0.6	3.0	1.8	3.2	1.8
Hazeldean, 11.3542 (Hugh)	92	-5	2	-6	-9	-2	-14	-1.6	-2.2	-2.4	-0.8	-0.3	-0.1	-7.2	-8.0	-10.6	3.6	2.1	1.8
Kerin Poll, 160137	50	3	4	5	6	11	10	1.5	1.2	1.4	-1.1	-1.6	-1.0	12.4	14.7	17.0	-0.1	2.8	3.2
Langdene, 160950	63	9	14	14	7	6	2	0.0	0.7	0.5	0.0	-1.7	-1.5	1.4	3.3	2.6	3.0	6.4	6.2
Lewisdale Poll, 150010 (Monty)	94	3	2	11	10	12	29	2.3	2.2	2.5	2.0	2.3	2.1	0.5	-1.5	-2.4	1.6	2.2	2.2
Orrie Cowie, 140050 (Trojan)	71	-6	1	5	-11	-12	-5	-1.1	-1.4	-1.1	0.6	1.9	1.8	-4.0	-5.8	-5.1	-4.6	-9.1	-7.4
Roseville Park, 150039	76	-7	-6	-13	-8	-13	-20	-0.3	0.0	-0.4	-1.9	-1.2	-1.0	-4.0	-1.6	-2.4	3.8	2.9	0.9
Stockman Poll, 130707	81	-5	-10	-10	-4	-13	-18	-2.0	-2.0	-2.1	-0.4	-0.3	-0.5	-5.3	-6.9	-6.7	3.2	2.9	3.6
Wanganella, 150610	68	10	6	17	11	13	30	0.5	0.2	0.5	1.9	2.0	1.6	3.4	5.3	10.1	-4.8	0.6	-0.4
Willandra Poll, 160001	92	9	20	7	5	27	11	0.4	0.7	0.5	-0.3	-0.8	-0.4	-2.5	-1.4	-7.1	1.8	1.6	-1.8

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A = Adult (540 days and older, combining data from all age stages).

[^] Progeny No is the total progeny number for each sire at weaning, including ewes and wethers.

These Flock Breeding Values were calculated using both the F1 ewe and F1 wether progeny of the sires.

Please see page 3 for a full description of trait names and an explanation of Flock Breeding Values.

2018 Drop

Within-Site and Within-Drop Flock Breeding Values

Weight and Carcase

Breeders flock, Sire number	Progeny No [^]	WT (kg)					EMD (mm)		FAT (mm)	
		W	P	Y	H	A	Y	H	Y	H
Anderson Poll, 150266	78	0.7	2.9	4.9	6.1	6.6	0.0	-0.4	1.9	2.1
Centre Plus Poll, 707115	88	0.3	-0.1	-1.1	0.1	0.5	2.3	3.3	1.5	3.3
Charinga, 130240 (Doc)	72	2.8	3.5	-0.9	0.2	2.3	0.2	0.4	-2.0	-3.1
GRASS, 141924 (R15)	79	-1.0	-1.1	1.4	-0.8	-1.8	0.8	0.8	0.2	0.1
Glen Donald, 120014	69	-2.0	-1.3	-3.4	-3.3	-3.0	-1.6	-1.7	-1.3	-1.7
GullenGamble Poll, 014189	78	-0.1	-1.0	-1.3	-2.0	-2.1	-0.4	-0.9	0.1	0.0
Haddon Rig, 2.715	86	-1.2	-3.0	-3.5	-6.1	-6.3	-0.3	-0.8	-0.7	-2.1
Hazeldean, 11.3542 (Hugh)	92	-3.3	-5.4	-4.6	-6.6	-7.4	0.3	0.1	1.1	2.1
Kerin Poll, 160137	50	2.0	3.8	4.6	4.7	4.0	-1.9	-2.3	-0.9	-1.6
Langdene, 160950	63	0.1	-1.6	-1.9	0.1	0.6	-2.6	-1.7	-2.4	-1.1
Lewisdale Poll, 150010 (Monty)	94	-0.2	0.8	0.4	0.9	1.6	0.8	0.5	-0.6	-1.7
Orrie Cowie, 140050 (Trojan)	71	0.2	1.3	3.8	4.0	3.8	-0.5	-0.4	0.2	0.1
Roseville Park, 150039	76	-0.9	0.2	1.9	1.3	0.0	2.7	3.0	3.4	4.5
Stockman Poll, 130707	81	1.3	-0.2	-1.5	-1.9	-0.6	-0.9	-0.8	-1.5	-1.5
Wanganella, 150610	68	0.2	0.3	-1.1	-0.4	-0.5	-0.9	-1.0	0.6	0.2
Willandra Poll, 160001	92	1.0	0.8	2.5	3.9	2.3	1.8	2.0	0.4	0.4

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A = Adult (540 days and older, combining data from all age stages).

[^] Progeny No is the total progeny number for each sire at weaning, including ewes and wethers.

These Flock Breeding Values were calculated using both the F1 ewe and F1 wether progeny of the sires.

Please see page 3 for a full description of trait names and an explanation of Flock Breeding Values.

Within-Site and Within-Drop Research Breeding Values Reproduction

Breeders flock, Sire number	Ewes scanned ¹	Across Year Results (Currently incl. maiden only)			
		Conception	Litter Size	Ewe Rearing Ability	NLW
Anderson Poll, 150266	40	0.01	0.07	0.02	10
Centre Plus Poll, 707115	43	0.03	0.10	-0.03	7
Charinga, 130240 (Doc)	33	-0.06	0.00	0.06	0
GRASS, 141924 (R15)	33	0.03	-0.01	0.00	3
Glen Donald, 120014	36	0.00	0.06	-0.03	1
GullenGamble Poll, 014189	37	-0.01	-0.02	0.01	-1
Haddon Rig, 2.715	34	0.00	0.01	0.03	5
Hazeldean, 11.3542 (Hugh)	40	-0.01	0.00	-0.01	-1
Kerin Poll, 160137	22	0.02	-0.05	0.02	2
Langdene, 160950	24	0.02	-0.10	-0.04	-9
Lewisdale Poll, 150010 (Monty)	34	-0.06	-0.04	-0.01	-11
Orrie Cowie, 140050 (Trojan)	33	0.01	0.00	-0.05	-6
Roseville Park, 150039	34	0.03	0.02	0.02	6
Stockman Poll, 130707	33	-0.02	-0.04	-0.01	-5
Wanganella, 150610	37	-0.03	-0.03	0.02	-2
Willandra Poll, 160001	32	0.03	0.01	-0.02	1

¹This reports the number of F1 ewes joined in the first reproduction year at pregnancy scanning.

These **Research Breeding Values** are calculated across all reproduction cycles (2019-2020).

For the MLP project, NLW is derived from the three reproduction component traits.

Units / Definitions sourced from Sheep Genetics

Trait Name	Units	Definitions
Conception	Ewes pregnant per ewes joined	The ability of a ewe to get in lamb in comparison to all the ewes in the same joining event.
Litter Size	Lambs per litter	The number of the fetuses a ewe has in comparison to all the ewes that got in lamb.
Ewe Rearing Ability	Lambs weaned per lambs born	The ability of the ewe to rear the lambs that she gives birth to.
Number of Lambs Weaned	Number of lambs weaned per 100 ewes joined	

The reproduction analysis model is still in development and should be used with caution.

NLW is calculated from reproduction data only - not yet incorporating any correlated production traits.

Reproduction traits are lowly heritable - caution should be used when using small data sets to compare sires.

Within-Site and Within-Drop MERINOSELECT Indexes

Breeders flock, Sire number	Dual Purpose Plus	Merino Production Plus	Fibre Production Plus	Wool Production Plus
Anderson Poll, 150266	72	73	69	68
Centre Plus Poll, 707115	91	81	80	78
Charinga, 130240 (Doc)	119	112	117	106
GRASS, 141924 (R15)	115	102	110	96
Glen Donald, 120014	88	92	83	103
GullenGamble Poll, 014189	92	99	96	103
Haddon Rig, 2.715	126	118	114	121
Hazeldean, 11.3542 (Hugh)	91	100	116	84
Kerin Poll, 160137	106	112	101	117
Langdene, 160950	69	101	99	102
Lewisdale Poll, 150010 (Monty)	107	97	92	114
Orrie Cowie, 140050 (Trojan)	80	80	88	84
Roseville Park, 150039	110	93	93	87
Stockman Poll, 130707	73	90	104	78
Wanganella, 150610	129	134	124	138
Willandra Poll, 160001	132	117	110	121

Please note, these indexes now include NLW within the calculation which differs to previous MLP reports.

These Indexes were calculated using both the F1 ewe and F1 wether progeny of the sires.

2017 Sire and Contact Details

- Individual sire results may not be representative of a sire's bloodline -

Sires were specifically selected for the project to generate a population that is industry representative. [More details available for download here.](#)
Each site's sire list will include rams representing a range in breeding philosophies, types, skin types, performance, age, horn status and industry usage.

Breeders flock, Sire name Sire ID #	Contact Details	Sire of Sire	Poll	Link Sire
Centre Plus Poll, 707115 601250-2007-707115	Robert Mortimer Devondale, Tullamore NSW 2874 P: (02) 6892 8259, M: 0429 928 292, E: robert@centreplus.com.au	601250-2004-407373 (Centre Plus Poll, 407373)	PP	Link Sire
Collinsville Poll, 130545 (Apollo) 600105-2013-130545	Tim Dalla PO Box 26, Hallett SA 5419 M: 0488 773 329, E: tim@collinsville.com.au	600105-2011-111122 (Collinsville Poll, 111122)	PP	
Darriwell, 130941 (Buddha) 503655-2013-130941	Russell Jones Darriwell, 924 Darriwell Rd, Trundle NSW 2875 P: (02) 6869 9242, M: 0428 699 243, E: darriwool@hotmail.com	503655-2011-000952 (Darriwell, 000952)	HH	Link Sire
GRASS Merino, 122190 (P47) 503884-2012-122190	Graham Peart GRASS Merinos Pty Ltd, PO Box 216, Nambucca Heads NSW 2448 P: 0428 825 721, E: g.peart@icloud.com	609040-2006-066533 (Merinotech WA, 066533)	HH	
GullenGamble Poll, 120018 601414-2012-120018	Mark Kerin GullenGamble, Yeoval NSW 2868 P: (02) 6846 4252, M: 0427 464 252, E: gullen@bordnet.com.au	600815-2008-080445 (Leahcim Poll, 080445)	PP	
Hazeldean, 13.4936 500383-2013-004936	Jim Litchfield Hazeldean Pty Ltd, Cooma NSW 2630 P: (02) 6453 5555, M: 0417 676 561, E: admin@hazeldean.com.au	500383-2011-003542 (Hazeldean, 003542)	PH	
Kerin Poll, 151911 601413-2015-151911	Nigel Kerin Karuga Park, 1142 Bournewood Rd, Yeoval NSW 2868 M: 0427 464 070, E: kerinag@bigpond.com	600088-2013-130306 (Moorundie Park Poll, 130306)	PP	
Moojepin, 120652 504637-2012-120652	Chad Taylor Marapana, 456 Wuuluman Road, Wellington NSW 2820 P: (02) 6845 3620, M: 0458 453 608, E: chad@mumblebone.com.au	504637-2010-100248 (Moojepin, 100248)	PH	Link Sire
Mumblebone, 151367 500063-2015-151367	Chad Taylor Marapana, 456 Wuuluman Road, Wellington NSW 2820 P: (02) 6845 3620, M: 0458 453 608, E: chad@mumblebone.com.au	600815-2011-111173 (Leahcim Poll, 111173)	PH	

2017 Sire and Contact Details

Breeders flock, Sire name Sire ID #	Contact Details	Sire of Sire	Poll	Link Sire
Roseville Park, 132933 504166-2013-132933	Matthew and Cherie Coddington Glenwood, 39R Dilladerry Rd MS3, Dubbo NSW 2830 P: (02) 6887 7286, M: 0428 635 386, E: rpmerinos@bigpond.com	504166-2009-090014 (Roseville Park, 090014)	HH	
Trigger Vale Poll, 140477 609251-2014-140477	Andrew and Mandi Bouffler Valera, Lockhart NSW 2656 P: (02) 6920 7656, M: 0427 207 656, E: info@triggervalesheepstuds.com.au	609251-2011-110511 (Trigger Vale Poll, 110511)	PP	Link Sire
Wanganella, 130816 500083-2013-130816	Angus Munro Boonoke, Conargo Road, Deniliquin NSW 2710 P: (03) 5884 6604, M: 0488 601 603, E: amunro@austfood.com.au	503506-2009-090137 (East Mundalla, 090137)	HH	
West Plains Poll, 110004 (Mercenary) 601236-2011-110004	Drew Chapman 306 Rocky Range Rd, Delegate NSW 2633 P: (02) 6458 8129, M: 0428 823 533, E: laura.chapman1@bigpond.com	501341-2009-090089 (Hinesville, 090089)	PH	Link Sire
Wilgunya, 121224 503764-2012-121224	Max Wilson Wilgunya, Dirranbandi QLD 4486 P: (07) 4625 8214, E: mwilson@westnet.com.au	Unknown	HH	
Willandra Poll, 140030 (Des) 600610-2014-140030	Ross Wells Willandra, 477 North Coree Rd, Jerilderie NSW 2716 P: (03) 5886 1223, M: 0428 861 605, E: willandramerinos@gmail.com	600610-2012-120026 (Willandra Poll, 120026)	PH	

Sire ID provides a unique number for all sheep. A sire ID has 16 digits.

- 2 for the breed of the flock, e.g., Merino (50), Poll Merino (60), Dohne (51), SAMM (48).
- 4 for flock code, AASMB Registered flock code or unregistered code.
- 4 for year of drop.
- 6 for tag number used in the breeder's records.

Link Sires are those evaluated to provide links between years and sites so that the all site results can be combined into a single report.

2017 Drop

Raw Data

Birth and Rear Type – F1 Ewes

Breeders flock, Sire number	Birth Type (Scanning)			Rear Type (Weaning)		
	Single	Twin	Triple	Single	Twin	Triple
Centre Plus Poll, 707115	10	21	3	14	20	
Collinsville Poll, 130545 (Apollo)	9	16	2	10	17	
Darriwell, 130941	7	13	1	8	13	
GRASS Merino, 122190 (P47)	8	33	2	15	28	
GullenGamble Poll, 120018	4	23	2	9	20	
Hazeldean, 13.4936	5	25	3	11	20	2
Kerin Poll, 151911	10	13	1	15	9	
Moojepin, 120652	12	23	6	16	21	4
Mumblebone, 151367	8	19	2	16	13	
Roseville Park, 132933	12	12	5	14	14	1
Trigger Vale Poll, 140477	12	22	1	14	21	
Wanganella, 130816	5	16		6	15	
West Plains Poll, 110004 (Mercenary)	6	10		7	9	
Wilgunya, 121224	8	23		11	20	
Willandra Poll, 140030 (Des)	8	26		11	23	
Total	124	295	28	177	263	7
	28%	66%	6%	40%	59%	2%

This relates to the 2017 Drop F1 ewes own birth and rear type

Raw Data

Counts – F1 Ewes

Breeders flock, Sire number	Marking	Weaning	Post Weaning Classing	Hogget Classing	Adult2 Classing	Adult3 Classing	Survival Rate from Marking
	26/06/17	06/09/17	01/02/18	26/09/18	18/10/19	15/10/20	%
Centre Plus Poll, 707115	34	34	34	34	33	32	94%
Collinsville Poll, 130545 (Apollo)	28	27	25	25	24	23	82%
Darriwell, 130941	23	21	20	20	19	19	83%
GRASS Merino, 122190 (P47)	45	43	42	42	41	41	91%
GullenGamble Poll, 120018	31	29	29	29	28	28	90%
Hazeldean, 13.4936	34	33	33	32	30	30	88%
Kerin Poll, 151911	26	24	24	24	23	23	88%
Moojepin, 120652	42	41	41	41	40	40	95%
Mumblebone, 151367	31	29	29	29	27	26	84%
Roseville Park, 132933	30	29	29	29	28	28	93%
Trigger Vale Poll, 140477	35	35	35	35	35	34	97%
Wanganella, 130816	21	21	21	21	20	20	95%
West Plains Poll, 110004 (Mercenary)	16	16	16	16	16	16	100%
Wilgunya, 121224	34	31	30	30	29	29	85%
Willandra Poll, 140030 (Des)	34	34	33	33	32	32	94%
Average	31	30	29	29	28	28	91%
Total	464	447	441	440	425	421	

Reductions in F1 Ewe counts are a result of mortality and culling for welfare reasons.
Welfare culls generally equate to less than 2 ewes per year.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Wool – F1 Ewes

Wool growth in Months			
Post Weaning	9	Adult2	12
Hogget	8	Adult3	12

Breeders flock, Sire number	GFW (kg)				CFW (kg)				FD (µm)				FDCV (%)				SL (mm)				SS (Nktex)			
	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3
Centre Plus Poll, 707115	3.6	4.6	7.6	6.4	2.3	2.9	4.1	4.5	17.6	19.1	18.7	19.5	18.8	15.6	16.9	15.9	84.9	91.0	115.4	122.8	28.8	51.5	29.0	28.7
Collinsville Poll, 130545 (Apollo)	3.9	4.9	8.2	7.4	2.5	3.2	4.6	5.4	18.1	19.8	19.3	20.1	18.1	15.2	16.1	16.6	80.4	85.1	107.4	114.9	32.5	54.1	33.4	32.2
Darriwell, 130941	3.7	5.0	8.7	7.7	2.3	3.2	4.8	5.5	18.0	19.5	18.9	19.9	19.1	16.4	16.4	16.6	77.6	85.1	103.7	115.9	31.0	57.6	33.1	35.6
GRASS Merino, 122190 (P47)	3.9	5.2	8.5	6.9	2.5	3.2	4.8	4.9	18.6	20.0	19.5	20.0	18.7	15.8	16.4	17.2	82.0	89.0	110.0	115.7	34.8	58.1	30.2	31.2
GullenGamble Poll, 120018	3.7	4.9	8.6	7.3	2.4	3.2	5.0	5.3	17.5	18.5	18.3	19.3	19.0	16.0	17.0	17.0	84.6	90.5	113.1	119.8	26.7	48.1	23.5	32.5
Hazeldean, 13.4936	3.8	5.1	8.7	7.3	2.5	3.3	4.8	5.1	16.6	18.1	17.7	18.5	18.2	15.7	16.1	16.9	77.7	87.2	110.2	117.5	30.4	51.0	30.8	33.6
Kerin Poll, 151911	4.0	5.3	9.0	7.6	2.5	3.3	4.8	5.5	18.0	18.7	18.4	19.3	18.4	16.3	16.6	17.2	84.9	91.0	112.7	120.3	32.6	49.7	33.0	37.4
Moojepin, 120652	3.6	4.3	7.4	6.1	2.2	2.7	3.9	4.2	18.0	19.1	18.6	19.3	19.2	15.6	16.7	17.4	89.4	92.8	119.9	122.4	25.9	46.5	26.9	28.5
Mumblebone, 151367	3.7	4.7	8.0	6.5	2.4	2.8	4.0	4.3	18.1	19.4	18.9	19.3	17.1	14.5	15.6	15.9	88.2	94.1	119.4	123.5	30.8	47.8	27.0	29.7
Roseville Park, 132933	3.8	5.0	9.0	7.3	2.4	3.0	4.8	5.0	18.1	18.8	18.5	19.3	17.8	16.2	16.6	16.9	79.0	82.9	107.4	112.5	30.5	52.6	35.2	35.9
Trigger Vale Poll, 140477	3.6	4.8	8.3	6.8	2.3	3.0	4.3	4.8	18.7	19.9	19.5	20.2	18.0	14.4	15.2	15.2	81.6	88.4	112.7	118.4	28.6	47.1	28.4	30.6
Wanganella, 130816	3.7	5.1	8.4	7.3	2.5	3.4	4.8	5.4	17.8	19.2	18.8	19.6	18.4	15.7	16.4	17.2	81.0	86.8	106.3	115.8	28.2	54.0	35.2	30.2
West Plains Poll, 110004 (Mercenary)	3.3	4.9	8.2	7.1	2.1	3.1	4.3	5.0	16.4	18.0	17.6	18.7	20.1	16.1	16.8	16.6	73.6	82.8	104.9	113.8	24.5	44.3	28.6	31.2
Wilgunya, 121224	3.7	5.1	8.6	7.1	2.3	3.1	4.4	4.9	17.0	18.7	18.4	19.1	19.1	16.9	16.5	17.8	73.6	82.7	104.8	110.5	30.5	51.9	34.0	32.3
Willandra Poll, 140030 (Des)	3.8	5.3	8.9	7.5	2.5	3.3	5.0	5.3	17.7	18.7	18.2	18.8	19.4	16.5	16.3	16.9	78.3	84.6	105.6	112.0	28.9	48.0	26.8	28.7
Average	3.7	4.9	8.4	7.1	2.4	3.1	4.6	5.0	17.7	19.0	18.6	19.4	18.6	15.8	16.4	16.8	81.1	87.6	110.2	117.1	29.6	50.8	30.3	31.9

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Weights – F1 Ewes

Breeders flock, Sire number	W (kg) 06/09/17	P (kg) 08/03/18	Y (kg) 30/04/18	Weight Gain Weaning to Yearling (kg)	H (kg) 10/07/18	A2 PreJoining (kg) 20/11/18	Weight Gain Weaning to A2 Joining (kg)	A3 Prejoining (kg) 20/11/19	A4 Prejoining (kg) 09/12/20
Centre Plus Poll, 707115	23.1	46.2	54.9	31.8	60.8	57.6	34.5	56.2	72.2
Collinsville Poll, 130545 (Apollo)	23.9	46.8	55.8	31.9	60.2	56.5	32.6	50.9	71.5
Darriwell, 130941	21.5	45.7	55.3	33.8	61.0	57.7	36.2	53.5	73.9
GRASS Merino, 122190 (P47)	23.8	47.3	56.1	32.3	60.9	58.2	34.4	54.0	72.8
GullenGamble Poll, 120018	22.3	46.9	55.2	32.9	60.1	57.1	34.8	51.4	73.8
Hazeldean, 13.4936	21.9	42.3	50.9	29.0	56.1	54.7	32.8	51.5	71.4
Kerin Poll, 151911	25.0	49.9	59.0	34.0	64.3	60.5	35.5	55.3	77.7
Moojepin, 120652	22.7	46.5	54.8	32.1	59.9	57.1	34.4	55.8	72.8
Mumblebone, 151367	25.0	47.3	56.5	31.5	60.4	56.7	31.7	53.2	70.5
Roseville Park, 132933	24.5	45.7	54.4	29.9	59.1	57.1	32.6	51.9	73.9
Trigger Vale Poll, 140477	24.7	51.3	61.3	36.6	66.7	62.6	37.9	58.9	78.3
Wanganella, 130816	23.6	45.8	55.6	32.0	62.0	58.6	35.0	55.4	75.4
West Plains Poll, 110004 (Mercenary)	21.0	42.2	51.5	30.5	57.0	55.3	34.3	50.2	71.9
Wilgunya, 121224	22.1	44.5	54.0	31.9	58.8	55.0	32.9	52.9	72.4
Willandra Poll, 140030 (Des)	22.8	46.1	56.3	33.5	61.7	56.8	34.0	53.2	73.2
Average	23.2	46.3	55.4	32.2	60.6	57.4	34.2	53.6	73.4

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Carcase Measurements and Condition Scores – F1 Ewes

Breeders flock, Sire number	EMD (mm)				FAT (mm)				Condition Score			
	P	A2	A3	A4	P	A2	A3	A4	P	A2	A3	A4
	08/03/18	20/11/18	20/11/19	09/12/20	08/03/18	20/11/18	20/11/19	09/12/20	08/03/18	20/11/18	20/11/19	09/12/20
Centre Plus Poll, 707115	23.5	25.9	24.2	27.4	3.6	4.5	2.8	5.0	3.4	3.1	2.8	3.8
Collinsville Poll, 130545 (Apollo)	22.4	24.6	21.7	26.3	3.2	3.5	1.9	4.7	3.2	2.9	2.4	3.7
Darriwell, 130941	22.2	24.5	21.9	26.6	2.6	2.9	1.9	4.2	3.1	2.8	2.4	3.7
GRASS Merino, 122190 (P47)	23.1	25.9	23.2	27.1	3.2	3.8	2.4	4.8	3.4	3.1	2.6	3.8
GullenGamble Poll, 120018	21.9	24.0	20.8	25.1	3.3	3.6	2.0	4.9	3.2	2.9	2.4	3.7
Hazeldean, 13.4936	19.9	23.5	21.0	24.2	2.4	3.0	2.2	4.5	2.9	2.9	2.6	3.7
Kerin Poll, 151911	23.8	25.1	22.5	26.9	2.9	3.4	2.1	5.0	3.4	3.1	2.5	3.8
Moojepin, 120652	25.2	27.2	25.2	28.5	4.3	4.9	3.5	6.4	3.6	3.3	2.9	4.1
Mumblebone, 151367	23.6	24.5	22.0	26.1	3.1	3.4	2.1	4.3	3.6	3.1	2.6	3.9
Roseville Park, 132933	20.2	22.4	19.5	24.0	2.8	3.3	1.8	4.8	3.0	2.9	2.4	3.7
Trigger Vale Poll, 140477	24.1	25.6	23.7	26.2	4.1	5.0	3.2	6.0	3.7	3.3	2.8	4.1
Wanganella, 130816	21.9	24.5	22.6	26.4	3.2	4.0	2.6	5.2	3.1	2.9	2.6	3.7
West Plains Poll, 110004 (Mercenary)	21.4	24.4	21.2	25.6	2.6	3.0	1.9	4.2	3.0	2.9	2.4	3.6
Wilgunya, 121224	20.7	22.8	20.4	24.8	2.8	3.2	2.2	4.7	3.2	3.0	2.6	3.7
Willandra Poll, 140030 (Des)	21.3	24.0	22.0	25.6	3.5	3.5	2.2	5.4	3.3	2.9	2.5	3.8
Average	22.3	24.6	22.1	26.1	3.2	3.7	2.3	4.9	3.3	3.0	2.6	3.8

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Visual Scores - Breech and Conformation - F1 Ewes

Breeders flock, Sire number	Breech						Conformation										
	BRWR	BCOV	URINE			DAG	BDWR				LEGS [^]			FACE			
	M	M	P	A2	A3	H	P	H	A2	A3	P	H	A2	P	H	A2	A3
Centre Plus Poll, 707115	2.5	3.3	2.2	1.2	1.6	1.7	2.4	1.8	2.6	2.6	2.3	2.2	3.0	3.1	3.4	2.9	2.7
Collinsville Poll, 130545 (Apollo)	2.3	3.9	2.3	1.3	1.8	1.1	2.2	1.6	2.4	2.4	1.7	1.3	1.7	3.2	3.4	3.1	3.0
Darriwell, 130941	2.6	4.5	2.4	1.1	2.1	1.3	3.0	2.1	3.0	2.9	1.7	1.7	3.2	3.5	3.5	3.5	3.3
GRASS Merino, 122190 (P47)	2.7	4.5	2.7	1.1	2.0	1.6	2.9	2.1	2.8	2.7	2.0	1.7	2.8	3.1	3.4	3.0	2.9
GullenGamble Poll, 120018	2.3	4.5	2.6	1.1	1.8	1.2	2.5	1.9	2.6	2.4	1.9	1.7	2.2	3.1	3.3	3.0	2.9
Hazeldean, 13.4936	2.5	3.7	2.3	1.2	1.6	1.6	2.8	2.2	2.9	2.6	1.8	1.4	2.2	3.3	3.5	3.1	2.9
Kerin Poll, 151911	2.3	3.3	2.7	1.2	2.0	1.3	2.8	2.1	2.9	2.9	2.0	2.0	3.3	3.0	3.3	3.0	2.9
Moojepin, 120652	2.0	4.5	2.1	1.1	1.6	1.1	1.9	1.2	2.1	1.9	1.8	1.9	2.9	3.0	3.2	3.0	2.7
Mumblebone, 151367	2.4	3.9	2.4	1.1	1.5	1.1	2.2	1.6	2.6	2.4	2.1	2.1	3.1	3.3	3.4	3.1	3.1
Roseville Park, 132933	2.8	4.4	2.6	1.0	2.0	1.2	3.0	2.1	3.0	2.8	2.1	1.7	2.3	3.1	3.3	2.9	2.9
Trigger Vale Poll, 140477	1.8	4.1	2.1	1.1	1.5	1.3	2.1	1.4	2.5	2.3	2.1	1.9	2.5	3.2	3.3	3.1	3.1
Wanganella, 130816	2.6	4.9	2.8	1.4	2.4	1.9	2.6	1.8	2.4	2.0	1.7	1.6	3.0	3.3	3.4	3.1	3.1
West Plains Poll, 110004 (Mercenary)	2.8	4.6	2.7	1.1	1.8	1.5	2.9	2.2	2.7	2.3	1.8	2.0	2.9	3.1	3.3	3.2	3.1
Wilgunya, 121224	2.9	4.1	2.4	1.1	1.6	1.4	2.9	2.1	3.0	2.5	1.9	1.9	2.5	3.3	3.5	3.3	3.1
Willandra Poll, 140030 (Des)	2.5	4.1	2.5	1.2	1.7	1.4	3.0	2.2	3.2	2.8	1.8	1.9	3.0	3.3	3.6	3.1	3.2
Average	2.4	4.1	2.5	1.2	1.8	1.4	2.6	1.9	2.7	2.5	1.9	1.8	2.7	3.2	3.4	3.1	3.0

M = Marking (14 to 42 days); W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);

A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

[^]Legs are no longer scored for this drop as the ewes have been foot pared.

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Visual Scores - Wool Quality - F1 Ewes

Breeders flock, Sire number	Wool Quality															
	COL				FLROT				DUST				CHAR			
	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3
Centre Plus Poll, 707115	3.1	2.2	2.7	1.7	1.1	1.1	1.0	1.0	4.2	3.4	5.0	4.1	3.0	2.5	2.7	3.1
Collinsville Poll, 130545 (Apollo)	3.2	2.3	3.2	2.5	1.4	1.7	1.0	1.1	4.2	2.9	5.0	3.3	2.8	2.7	2.6	2.4
Darriwell, 130941	3.0	2.3	3.0	2.0	1.0	1.1	1.0	1.0	4.1	3.2	5.0	3.8	3.4	2.4	2.7	3.1
GRASS Merino, 122190 (P47)	2.6	2.1	3.0	1.7	1.1	1.0	1.0	1.0	3.7	3.2	5.0	3.4	3.0	3.0	3.2	3.3
GullenGamble Poll, 120018	3.1	2.2	2.5	1.5	1.1	1.1	1.0	1.0	4.1	3.4	5.0	3.7	3.0	2.4	2.8	2.6
Hazeldean, 13.4936	2.6	2.0	2.4	1.5	1.2	1.0	1.0	1.0	4.0	2.8	5.0	3.4	3.0	2.2	2.2	2.5
Kerin Poll, 151911	3.4	2.1	2.7	1.9	1.1	1.5	1.0	1.0	4.0	3.2	5.0	3.5	3.5	2.4	2.5	2.6
Moojepin, 120652	3.1	2.3	2.9	2.5	1.0	1.2	1.0	1.0	4.6	3.8	5.0	4.2	3.4	2.9	3.0	3.0
Mumblebone, 151367	3.1	2.1	2.3	1.3	1.1	1.1	1.0	1.0	3.8	3.2	5.0	3.7	2.8	2.5	2.4	2.4
Roseville Park, 132933	2.9	2.0	2.3	1.2	1.1	1.1	1.0	1.0	3.7	2.6	5.0	2.7	3.2	2.3	2.3	2.4
Trigger Vale Poll, 140477	3.2	2.4	2.7	1.9	1.1	1.2	1.0	1.0	4.3	3.5	5.0	4.3	3.1	2.6	2.6	2.9
Wanganella, 130816	3.0	2.3	2.8	1.9	1.2	1.1	1.0	1.1	4.2	3.4	5.0	3.8	3.1	2.6	2.8	3.0
West Plains Poll, 110004 (Mercenary)	2.9	2.1	2.8	2.0	1.0	1.2	1.0	1.0	4.1	2.8	5.0	3.8	3.1	2.3	2.1	2.0
Wilgunya, 121224	2.8	2.2	2.6	1.9	1.0	1.2	1.0	1.0	3.9	2.5	5.0	3.0	3.0	2.3	2.7	2.5
Willandra Poll, 140030 (Des)	2.9	2.3	2.7	1.6	1.0	1.2	1.0	1.0	3.3	2.7	5.0	3.2	3.2	2.4	2.4	2.4
Average	3.0	2.2	2.7	1.8	1.1	1.2	1.0	1.0	4.0	3.1	5.0	3.6	3.1	2.5	2.6	2.7

M = Marking (14 to 42 days); W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

This raw data is from the F1 ewe progeny only of the sires.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Chris Bowman

Results are ewe numbers as classed into each grade.

Breeders flock, Sire number	Post Weaning 01/02/18				Hogget 26/09/18				Adult2 17/10/19				Adult3 14/10/20							
	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull
Centre Plus Poll, 707115		1	17	9	7		3	21	6	4			19	7	7			15	8	9
Collinsville Poll, 130545 (Apollo)	1	3	16	4	1	1	5	10	7	2		2	12	8	2		5	13	4	1
Darriwell, 130941		1	10	6	3	1	1	9	4	5			15	2	2		5	8	3	3
GRASS Merino, 122190 (P47)	1	4	26	7	4		3	23	10	6		3	26	9	3			24	13	4
GullenGamble Poll, 120018	1	2	13	10	3		8	16	1	4		3	19		5		4	19	1	4
Hazeldean, 13.4936		1	16	11	5		2	21	4	4		2	22	2	4		3	21	4	2
Kerin Poll, 151911	1	2	8	10	3	2	4	15		3	2	3	13	4	1		4	18		1
Moojepin, 120652		2	18	14	7		1	12	19	9			15	17	8		2	20	10	8
Mumblebone, 151367		4	15	7	3		2	13	7	7		3	10	7	7	1	2	13	7	3
Roseville Park, 132933		3	15	5	6	2	4	12	8	3	1	4	19	1	3		7	14	6	1
Trigger Vale Poll, 140477		2	20	11	2		6	19	5	5	1	3	17	10	4		3	22	6	3
Wanganella, 130816		1	15	3	2		5	10	4	2		1	15	3	1	1	1	14	3	1
West Plains Poll, 110004 (Mercenary)		1	1	8	6		3	7	1	5		1	7	4	4	1	1	9	2	3
Wilgunya, 121224			15	13	2		3	17	4	6		2	18	5	4		4	17	6	2
Willandra Poll, 140030 (Des)	3	2	19	8	1		9	17	1	6		7	16	2	7	1	3	20	3	5
Total	7	29	224	126	55	6	59	222	81	71	4	34	243	81	62	4	44	247	76	50
	2%	7%	51%	29%	12%	1%	13%	51%	18%	16%	1%	8%	57%	19%	15%	1%	10%	59%	18%	12%

Please note: Two different classing approaches carried out separately by two different classers are reported in this booklet. The Professional Classing results reported in the above table are raw unadjusted data based on a five way class. The Classers Grade on page 33 is presented as Adjusted Sire Means which are adjusted for birth and rear type, age of dam, age of measurement, management group and differences in progeny numbers per sire, however adjustments have not been made for F1 ewe pregnancy and lactation status. More information about these differing approaches can be found on page 3.

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for differences in the foundation ewe sources and in progeny group sizes. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Reproduction in 2019 – A2 Stage (Maiden)

11 rams were used in a syndicate and naturally joined to the F1 ewes on December 3, 2018 and were removed on January 7, 2019.

Breeders flock, Sire number	Pregnancy Scanning Count 20/01/19							F2 Progeny Weaning - Lamb Numbers 06/08/19						
	Ewes Joined	Ewe Numbers				Number Foetuses	Foetus Rate ¹	Singles	Twins	Triplet	Number Lambs	Weaning		Kg lambs weaned/No. ewes joined ⁴
		Empty	Single	Twin	Triplet						Survival ²	Rate ³		
Centre Plus Poll, 707115	34	2	12	20		52	153%	14	16		30	58%	88%	22.3
Collinsville Poll, 130545 (Apollo)	25	3	10	12		34	136%	10	18		28	82%	112%	24.1
Darriwell, 130941 (Buddha)	20	1	10	9		28	140%	9	6		15	54%	75%	18.7
GRASS, 122190 (P47)	41	2	15	22	2	65	159%	21	24		45	69%	110%	24.4
GullenGamble Poll, 120018	29	4	10	15		40	138%	14	8		22	55%	76%	17.4
Hazeldean, 13.4936	31	2	9	20		49	158%	13	18		31	63%	100%	19.8
Kerin Poll, 151911	24	1	12	10	1	35	146%	15	8		23	66%	96%	21.9
Moojepin, 120652	41	6	16	16	3	57	139%	19	24	3	46	81%	112%	24.9
Mumblebone, 151367	29	5	12	12		36	124%	10	6		16	44%	55%	11.3
Roseville Park, 132933	29	9	10	10		30	103%	10	10		20	67%	69%	14.5
Trigger Vale Poll, 140477	35	1	22	12		46	131%	23	8		31	67%	89%	19.8
Wanganella, 130816	21	8	7	6		19	90%	7	2		9	47%	43%	10.0
West Plains Poll, 110004 (Mercenary)	16	1	10	5		20	125%	10	4		14	70%	88%	19.9
Wilgunya, 121224	29	4	19	6		31	107%	16	4		20	65%	69%	15.5
Willandra Poll, 140030 (Des)	33	3	15	15		45	136%	21	8		29	64%	88%	18.7
Total	437	52 12%	189 43%	190 43%	6 1%	587	134%	212 56%	164 43%	3 1%	379	65%	87%	19.3

¹Foetus rate is calculated by number of foetuses divided by ewes joined

²Survival is calculated between foetuses scanned and lambs weaned

³Weaning rate is calculated by lambs weaned divided by ewes joined.

⁴Kg lambs weaned/No. ewes joined is calculated by dividing the total weaning weight for all F2 progeny by the number of ewes joined, the drop average is a weighted average

Reproduction traits are lowly heritable and caution should be used when using small data sets to compare sires.

Raw sire means for low heritability reproduction traits are inflated measures of genetic merit. Research Breeding Values which account for both low heritability and variable F1 ewe progeny numbers between sires, should be used for the purpose of prediction of future performance.

Reproduction Research Breeding Values are reported on page 34.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2017 Drop

Raw Data

Reproduction in 2020 – A3 Stage

10 rams were used in a syndicate and naturally joined to the F1 ewes on December 2, 2019 and were removed on January 6, 2020.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 21/02/20						F2 Progeny Weaning - Lamb Numbers 3/08/20						
		Ewe Numbers				Number	Foetus				Number	Weaning		Kg lambs
		Empty	Single	Twin	Triplet	Foetuses	Rate ¹	Single	Twin	Triplet	Lambs	Survival ²	Rate ³	ewes joined ⁴
Centre Plus Poll, 707115	33	3	14	16		46	139%	21	18		39	85%	118%	36.6
Collinsville Poll, 130545 (Apollo)	24		18	6		30	125%	18	8		26	87%	108%	35.5
Darriwell, 130941 (Buddha)	19		15	4		23	121%	15	6		21	91%	111%	35.6
GRASS, 122190 (P47)	41	1	19	20	1	62	151%	21	33	3	57	92%	139%	40.7
GullenGamble Poll, 120018	28	3	15	10		35	125%	16	12		28	80%	100%	30.2
Hazeldean, 13.4936	30	1	17	12		41	137%	18	20		38	93%	127%	39.6
Kerin Poll, 151911	23		17	6		29	126%	16	12		28	97%	122%	40.2
Moojepin, 120652	40	1	17	22		61	153%	21	32		53	87%	133%	40.8
Mumblebone, 151367	27	2	19	6		31	115%	19	4		23	74%	85%	25.7
Roseville Park, 132933	28	1	15	12		39	139%	19	14		33	85%	118%	36.6
Trigger Vale Poll, 140477	35	1	25	9		43	123%	26	10		36	84%	103%	33.5
Wanganella, 130816	20	1	11	8		27	135%	11	14		25	93%	125%	36.7
West Plains Poll, 110004 (Mercenary)	16	2	8	6		20	125%	7	12		19	95%	119%	36.4
Wilgunya, 121224	29	2	18	9		36	124%	18	13		31	86%	107%	33.2
Willandra Poll, 140030 (Des)	32	5	12	15		42	131%	15	18		33	79%	103%	31.3
Total	425	23	240	161	1	565	133%	261	226	3	490	87%	115%	35.7
		5%	56%	38%	0%			53%	46%	1%				

¹Foetus rate is calculated by number of foetuses divided by ewes joined ²Survival is calculated between foetuses scanned and lambs weaned ³Weaning rate is calculated by lambs weaned divided by ewes joined.
⁴Kg lambs weaned/No. ewes joined is calculated by dividing the total weaning weight for all F2 progeny by the number of ewes joined, the drop average is a weighted average

Reproduction traits are lowly heritable and caution should be used when using small data sets to compare sires.

Raw sire means for low heritability reproduction traits are inflated measures of genetic merit. Research Breeding Values which account for both low heritability and variable F1 ewe progeny numbers between sires, should be used for the purpose of prediction of future performance.

Reproduction Research Breeding Values are reported on page 34.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2017 Drop

Adjusted Sire Means Wool

Wool growth in Months			
Post Weaning	9	Adult2	12
Hogget	8	Adult3	12

Breeders flock, Sire number	GFW (kg)				CFW (kg)				FD (µm)				FDCV (%)				SL (mm)				SS (Nktex)			
	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3
Centre Plus Poll, 707115	3.6	4.6	7.7	6.4	2.3	2.9	4.1	4.5	17.4	19.0	18.6	19.4	18.8	15.4	16.9	15.8	84.9	91.4	115.9	123.1	28.6	51.3	28.7	28.5
Collinsville Poll, 130545 (Apollo)	3.9	4.8	8.2	7.4	2.5	3.1	4.6	5.3	18.0	19.7	19.2	20.1	18.2	15.2	16.0	16.5	79.9	85.0	107.2	114.8	32.1	53.5	33.1	31.8
Darriwell, 130941	3.7	5.0	8.7	7.7	2.3	3.3	4.8	5.5	18.0	19.5	18.9	19.9	19.1	16.4	16.4	16.5	76.4	84.8	103.4	115.7	31.2	57.9	33.2	35.6
GRASS Merino, 122190 (P47)	4.0	5.2	8.5	6.9	2.6	3.2	4.8	4.9	18.6	20.1	19.5	20.1	18.6	15.7	16.4	17.2	82.5	89.2	110.4	115.9	35.3	58.3	30.4	31.5
GullenGamble Poll, 120018	3.9	5.0	8.7	7.3	2.6	3.2	5.0	5.3	17.5	18.5	18.3	19.2	18.9	15.9	16.8	17.0	86.0	90.7	113.3	119.4	27.8	47.7	23.8	32.9
Hazeldean, 13.4936	3.9	5.1	8.8	7.4	2.6	3.3	4.9	5.3	16.8	18.2	17.9	18.6	18.2	15.9	16.3	17.2	79.0	87.2	110.5	117.6	30.5	51.8	31.1	34.4
Kerin Poll, 151911	3.8	5.3	9.0	7.5	2.3	3.2	4.8	5.4	17.8	18.5	18.2	19.0	18.4	16.1	16.5	17.1	83.1	91.2	113.6	120.8	32.0	49.4	33.0	36.8
Moojepin, 120652	3.6	4.3	7.4	6.1	2.2	2.7	3.9	4.2	18.1	19.1	18.6	19.4	19.1	15.6	16.9	17.5	89.8	92.8	119.1	122.4	25.2	46.6	26.6	28.1
Mumblebone, 151367	3.8	4.8	8.1	6.6	2.4	2.9	4.1	4.4	18.2	19.5	19.0	19.4	17.3	14.7	15.7	16.1	87.9	94.1	119.2	123.2	31.2	48.6	27.8	30.0
Roseville Park, 132933	3.7	4.9	8.9	7.2	2.3	3.0	4.7	4.9	18.0	18.7	18.4	19.2	17.9	16.1	16.6	16.8	78.6	82.9	107.3	112.9	29.4	52.0	34.7	35.4
Trigger Vale Poll, 140477	3.5	4.8	8.3	6.9	2.2	3.0	4.3	4.9	18.8	20.0	19.6	20.3	18.1	14.5	15.3	15.3	80.9	88.1	112.5	118.3	28.5	47.8	28.5	31.1
Wanganella, 130816	3.8	5.1	8.3	7.2	2.5	3.3	4.7	5.3	17.8	19.2	18.8	19.6	18.3	15.6	16.3	17.0	81.7	87.0	106.5	115.9	28.6	53.2	35.2	29.8
West Plains Poll, 110004 (Mercenary)	3.3	4.9	8.2	7.1	2.1	3.1	4.2	5.0	16.3	18.0	17.6	18.6	20.2	16.2	16.8	16.7	73.3	82.3	104.6	113.6	24.2	43.9	28.6	30.8
Wilgunya, 121224	3.6	5.1	8.5	7.0	2.3	3.1	4.3	4.9	17.1	18.7	18.4	19.0	19.1	16.9	16.4	17.7	73.7	82.5	104.5	110.3	30.6	51.9	33.6	32.3
Willandra Poll, 140030 (Des)	3.8	5.3	8.9	7.4	2.5	3.3	4.9	5.2	17.6	18.7	18.1	18.8	19.2	16.5	16.1	16.7	78.1	84.3	105.6	111.9	29.2	47.6	26.6	28.7
Average	3.7	4.9	8.4	7.1	2.4	3.1	4.6	5.0	17.7	19.0	18.6	19.4	18.6	15.8	16.4	16.8	81.1	87.6	110.2	117.1	29.6	50.8	30.3	31.9

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

These Adjusted Sire Means were calculated using available data from only the F1 ewe progeny of the sires.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2017 Drop

Adjusted Sire Means

Weight and Carcase

Breeders flock, Sire number	WT (kg)							EMD (mm)				FAT (mm)				Condition Score			
	W	P	Y	H	A2	A3	A4	P	A2	A3	A4	P	A2	A3	A4	P	A2	A3	A4
Centre Plus Poll, 707115	23.3	46.5	55.2	61.2	58.1	56.9	72.8	23.6	26.1	24.3	27.5	3.7	4.6	2.9	5.1	3.4	3.1	2.8	3.9
Collinsville Poll, 130545 (Apollo)	23.8	46.8	55.8	60.4	56.8	51.1	71.6	22.4	24.7	21.9	26.3	3.2	3.6	1.9	4.7	3.2	3.0	2.4	3.7
Darriwell, 130941	21.2	45.5	55.3	61.0	57.8	53.6	74.1	22.0	24.5	21.9	26.5	2.6	3.0	1.9	4.3	3.1	2.8	2.4	3.7
GRASS Merino, 122190 (P47)	24.4	47.3	56.1	60.9	58.2	53.8	72.7	23.1	25.9	23.2	27.0	3.2	3.7	2.4	4.7	3.4	3.1	2.6	3.8
GullenGamble Poll, 120018	23.6	47.4	55.7	60.4	57.5	52.0	74.2	22.0	24.0	20.8	25.2	3.3	3.6	2.0	4.9	3.2	2.9	2.4	3.7
Hazeldean, 13.4936	22.6	42.6	50.9	55.9	54.3	51.0	70.8	20.0	23.3	20.6	24.1	2.4	2.8	2.1	4.3	2.9	2.8	2.5	3.7
Kerin Poll, 151911	23.6	49.8	59.1	64.7	60.9	56.1	78.2	23.8	25.1	22.6	26.9	2.9	3.5	2.2	5.1	3.4	3.2	2.5	3.9
Moojepin, 120652	22.8	46.5	54.8	59.5	57.1	55.8	73.0	25.2	27.2	25.2	28.4	4.4	5.0	3.5	6.5	3.6	3.3	2.9	4.1
Mumblebone, 151367	24.7	47.2	56.4	60.5	56.6	52.9	70.5	23.5	24.4	21.7	26.1	3.0	3.3	2.1	4.2	3.5	3.0	2.5	3.9
Roseville Park, 132933	23.6	45.3	53.9	58.8	56.7	51.9	73.8	20.2	22.4	19.7	24.1	2.9	3.4	1.9	4.8	3.0	2.9	2.4	3.7
Trigger Vale Poll, 140477	24.1	51.0	60.9	66.4	62.3	58.2	77.9	24.1	25.5	23.6	26.2	4.1	5.0	3.1	6.0	3.7	3.3	2.8	4.0
Wanganella, 130816	24.2	45.8	55.8	62.1	58.8	55.5	75.6	21.9	24.6	22.8	26.4	3.2	4.0	2.7	5.2	3.1	2.9	2.6	3.7
West Plains Poll, 110004 (Mercenary)	20.8	42.7	52.0	57.8	55.9	50.5	72.4	21.6	24.5	21.3	25.8	2.6	2.9	1.8	4.1	3.0	2.9	2.4	3.6
Wilgunya, 121224	21.8	44.1	53.5	58.3	54.4	52.5	71.9	20.6	22.8	20.4	24.8	2.8	3.2	2.1	4.7	3.2	3.0	2.5	3.7
Willandra Poll, 140030 (Des)	23.1	46.1	56.2	61.7	56.8	53.0	72.9	21.3	24.0	22.1	25.7	3.5	3.5	2.2	5.4	3.3	2.9	2.5	3.8
Average	23.2	46.3	55.4	60.6	57.4	53.6	73.4	22.3	24.6	22.1	26.1	3.2	3.7	2.3	4.9	3.3	3.0	2.6	3.8

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

These Adjusted Sire Means were calculated using available data from only the F1 ewe progeny of the sires.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2017 Drop

Adjusted Sire Means

Classer's Visual Grade – F1 Ewes

Classer: Allan Casey

Breeders flock, Sire number	Progeny No [^]	TOPS (%)				CULLS (%)			
		P	H	A2	A3	P	H	A2	A3
Centre Plus Poll, 707115	32	-15	-3	-10	-11	22	0	-1	18
Collinsville Poll, 130545 (Apollo)	23	-1	2	-3	6	3	7	-7	15
Darriwell, 130941	19	-12	5	0	-3	6	1	7	-1
GRASS Merino, 122190 (P47)	41	13	3	11	13	-16	-3	-12	1
GullenGamble Poll, 120018	28	12	8	23	16	-20	-6	-11	-17
Hazeldean, 13.4936	30	-15	-4	1	-8	0	-7	-4	0
Kerin Poll, 151911	23	3	7	4	2	-6	-9	11	-10
Moojepin, 120652	40	-2	-10	-14	-10	6	10	10	6
Mumblebone, 151367	26	9	2	-17	-4	-4	1	21	16
Roseville Park, 132933	28	-5	12	10	1	13	3	-7	-15
Trigger Vale Poll, 140477	34	11	-2	2	11	-7	1	-9	-4
Wanganella, 130816	20	6	3	8	-2	-4	-9	-9	0
West Plains Poll, 110004 (Mercenary)	16	-10	-10	-8	-13	4	-3	1	-9
Wilgunya, 121224	29	-17	-6	-11	-6	15	6	-4	1
Willandra Poll, 140030 (Des)	32	23	-6	4	8	-11	7	15	0
Average	28	31	19	26	19	29	15	24	23

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days);
A2 = Adult (1.5 to 2.5 years); A3 = Adult (2.5 to 3.5 years); A4 = Adult (3.5 to 4.5 years).

[^] Progeny No is the total ewe progeny number for each sire at their most recent classing event.

These Classer's Visual Grades were calculated using only the F1 ewe progeny of the sires.

Please note: Two different classing approaches carried out separately by two different classers are reported in this booklet. The Classers Visual Grade results are presented in the table above as Adjusted Sire Means which are adjusted for birth and rear type, age of dam, age of measurement and management group, however have not been made for F1 ewe pregnancy and lactation status. The Professional Classing results reported on page 28 are raw unadjusted data based on a five way class. More information about these differing approaches can be found on page 3.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, management groups (which includes accounting for differences in the foundation ewe sources), differences in progeny group sizes and dam age. Traits that are measured following each reproduction cycle are adjusted for the number of F1 breeding age ewes that are dry, lambled and lost, rearing single or multiple lambs.

2017 Drop

Within-Site and Within-Drop Flock Breeding Values Wool

Breeders flock, Sire number	Progeny No [^]	GFW (%)			CFW (%)			FD (µm)			FDCV (%)			SL (mm)			SS (Nktex)		
		P	H	A	P	H	A	P	H	A	P	H	A	P	H	A			
Centre Plus Poll, 707115	68	-2	-9	-10	-6	-14	-18	-0.5	-0.1	0.0	0.8	-0.3	-0.3	4.9	5.9	6.7	-2.2	-0.8	-3.4
Collinsville Poll, 130545 (Apollo)	54	5	-1	2	7	3	7	0.6	1.1	1.0	-0.7	-0.6	-0.4	-2.0	-4.3	-5.1	3.3	3.8	3.9
Darriwell, 130941	55	-1	6	5	-2	10	11	1.1	1.0	0.8	0.5	0.0	0.2	-5.6	-3.7	-7.7	3.7	8.2	6.6
GRASS Merino, 122190 (P47)	77	5	6	0	6	3	2	1.3	1.6	1.3	-0.3	-0.5	0.4	-1.8	0.7	-3.5	9.2	11.5	3.3
GullenGamble Poll, 120018	57	3	0	6	6	4	14	-0.7	-1.0	-0.4	0.4	0.4	0.5	4.9	4.6	4.9	-4.3	-5.0	-8.2
Hazeldean, 13.4936	74	6	6	6	10	13	13	-1.3	-1.1	-0.9	-0.2	0.5	0.2	-1.1	-0.4	-0.6	0.7	1.7	0.4
Kerin Poll, 151911	50	5	8	9	1	8	8	-0.4	-1.2	-0.9	-0.5	0.5	0.3	3.7	4.3	4.7	1.8	-2.5	1.3
Moojepin, 120652	80	-5	-23	-20	-9	-29	-24	0.4	0.3	0.1	1.0	0.6	0.7	15.3	11.8	17.1	-6.3	-6.0	-7.3
Mumblebone, 151367	62	0	-8	-12	-1	-15	-21	1.1	1.2	0.7	-1.8	-1.6	-1.2	13.2	12.1	12.0	3.0	-2.2	-2.6
Roseville Park, 132933	63	-3	-2	5	-8	-9	0	-0.3	-1.0	-0.8	-0.9	0.3	0.2	-6.0	-9.5	-6.7	0.4	1.2	4.3
Trigger Vale Poll, 140477	71	-8	-7	-3	-9	-8	-6	1.9	1.7	1.7	-2.2	-2.9	-2.4	-1.4	0.9	4.0	-1.4	-3.2	0.6
Wanganella, 130816	45	5	8	5	6	15	9	-0.4	-0.2	-0.1	1.4	1.1	1.1	-0.1	-1.4	-3.2	-3.5	0.1	0.8
West Plains Poll, 110004 (Mercenary)	53	-12	-1	-2	-8	4	-3	-1.2	-1.0	-0.8	0.4	0.0	-0.6	-7.4	-5.3	-5.1	-2.5	-2.6	1.5
Wilgunya, 121224	61	-2	6	1	1	3	-4	-1.1	-0.8	-0.7	1.1	1.8	1.1	-11.1	-9.6	-10.3	-1.8	-0.2	2.5
Willandra Poll, 140030 (Des)	75	4	10	7	7	12	13	-0.4	-0.8	-0.9	1.0	0.7	0.1	-5.5	-5.8	-7.4	-0.1	-4.0	-3.6

Weight and Carcase

Breeders flock, Sire number	Progeny No [^]	WT (kg)					EMD (mm)		FAT (mm)	
		W	P	Y	H	A	P	H	P	H
Centre Plus Poll, 707115	68	0.4	1.2	1.8	3.0	4.3	2.0	2.4	1.5	2.6
Collinsville Poll, 130545 (Apollo)	54	1.4	1.5	1.0	0.5	-0.7	0.3	0.8	-0.5	-0.6
Darriwell, 130941	55	-2.1	-2.1	-1.5	-1.2	-0.6	-0.2	-0.2	-1.1	-1.8
GRASS Merino, 122190 (P47)	77	0.8	0.8	0.4	-0.3	-0.1	0.7	1.3	-0.1	0.0
GullenGamble Poll, 120018	57	-0.5	-0.2	-1.0	-1.5	-1.5	-0.5	-0.8	-0.3	-0.7
Hazeldean, 13.4936	74	-1.5	-3.6	-6.3	-6.2	-3.9	-2.1	-1.4	-1.9	-2.3
Kerin Poll, 151911	50	1.1	3.4	5.2	5.6	4.1	-0.2	-0.6	-1.3	-1.8
Moojepin, 120652	80	0.0	0.9	-0.8	-0.5	0.1	5.0	5.4	4.5	5.7
Mumblebone, 151367	62	1.2	0.8	0.9	-0.3	-1.1	1.5	1.1	0.2	0.0
Roseville Park, 132933	63	-0.2	-1.0	-1.7	-2.3	-1.9	-3.5	-4.3	-1.2	-1.6
Trigger Vale Poll, 140477	71	1.8	4.9	6.9	7.5	5.2	0.8	0.4	2.2	3.6
Wanganella, 130816	45	1.2	0.9	1.5	2.5	1.9	-0.9	-1.0	-0.6	-0.4
West Plains Poll, 110004 (Mercenary)	53	-2.0	-5.1	-5.4	-4.8	-3.8	0.1	0.4	-1.3	-1.7
Wilgunya, 121224	61	-1.4	-1.4	-0.9	-1.7	-1.5	-1.7	-2.0	-0.8	-1.1
Willandra Poll, 140030 (Des)	75	-0.2	-1.0	-0.3	-0.5	-0.6	-1.4	-1.5	0.7	0.1

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days); A = Adult (540 days and older, combining data from all age stages).

[^] Progeny No is the total progeny number for each sire at weaning, including ewes and wethers.

These Flock Breeding Values were calculated using both the F1 ewe and F1 wether progeny of the sires. Please see page 3 for a full description of trait names and an explanation of Flock Breeding Values.

Within-Site and Within-Drop Research Breeding Values Reproduction

Breeders flock, Sire number	Ewes joined ¹	Across Year Results			
		Conception	Litter Size	Ewe Rearing Ability	Number of Lambs Weaned
Centre Plus Poll, 707115	34	0.01	0.12	-0.03	4
Collinsville Poll, 130545 (Apollo)	25	0.02	-0.04	0.05	6
Darriwell, 130941 (Buddha)	20	0.04	-0.08	0.00	-3
GRASS, 122190 (P47)	41	0.06	0.16	0.06	26
GullenGamble Poll, 120018	29	-0.02	0.04	-0.06	-9
Hazeldean, 13.4936	31	0.04	0.07	0.02	12
Kerin Poll, 151911	24	0.05	-0.02	0.04	9
Moojepin, 120652	41	0.01	0.14	0.08	23
Mumblebone, 151367	29	-0.03	-0.07	-0.10	-23
Roseville Park, 132933	29	-0.07	0.01	0.00	-7
Trigger Vale Poll, 140477	35	0.05	-0.15	0.03	-2
Wanganella, 130816	21	-0.08	-0.01	-0.01	-12
West Plains Poll, 110004 (Mercenary)	16	-0.01	-0.04	0.01	-4
Wilgunya, 121224	29	-0.02	-0.16	-0.01	-13
Willandra Poll, 140030 (Des)	33	-0.03	0.04	-0.05	-7

¹This reports the number of F1 ewes joined in the first reproduction year at pregnancy scanning.

These **Research Breeding Values** are calculated across all reproduction cycles (2019-2020).

For the MLP project, NLW is derived from the three reproduction component traits.

Units / Definitions sourced from Sheep Genetics

Trait Name	Units	Definitions
Conception	Ewes pregnant per ewes joined	The ability of a ewe to get in lamb in comparison to all the ewes in the same joining event.
Litter Size	Lambs per litter	The number of the foetuses a ewe has in comparison to all the ewes that got in lamb.
Ewe Rearing Ability	Lambs weaned per lambs born	The ability of the ewe to rear the lambs that she gives birth to.
Number of Lambs Weaned	Number of lambs weaned per 100 ewes joined	

The reproduction analysis model is still in development and should be used with caution.

NLW is calculated from reproduction data only - not yet incorporating any correlated production traits.

Reproduction traits are lowly heritable - caution should be used when using small data sets to compare sires.

Within-Site and Within-Drop MERINOSELECT Indexes

Breeders flock, Sire number	Dual Purpose Plus	Merino Production Plus	Fibre Production Plus	Wool Production Plus
Centre Plus Poll, 707115	96	79	79	81
Collinsville Poll, 130545 (Apollo)	125	117	107	116
Darriwell, 130941 (Buddha)	110	112	113	110
GRASS, 122190 (P47)	167	138	121	127
GullenGamble Poll, 120018	91	97	101	105
Hazeldean, 13.4936	135	138	138	124
Kerin Poll, 151911	146	144	131	135
Moojepin, 120652	130	76	74	76
Mumblebone, 151367	20	29	45	47
Roseville Park, 132933	64	98	107	92
Trigger Vale Poll, 140477	83	80	74	91
Wanganella, 130816	87	104	101	109
West Plains Poll, 110004 (Mercenary)	87	92	103	87
Wilgunya, 121224	60	85	90	85
Willandra Poll, 140030 (Des)	99	111	115	113

Please note, these indexes now include NLW within the calculation which differs to previous MLP reports.

These Indexes were calculated using both the F1 ewe and F1 wether progeny of the sires.

Macquarie Merino Sire Evaluation Association Site Committee

The Macquarie MLP Site is governed by a Site Committee made up of the following breeders, commercial producers, service providers and NSW DPI staff:

David Greig	Tottenham
Sally Packham	Narromine
Matthew Coddington	Dubbo
Kathryn Egerton-Warburton	Orange
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Sue Mortimer	Armidale
David Mula	Trangie
Sue Street	Dubbo
Tracie Bird-Gardiner	Trangie

Updates

This publication will be updated on a regular basis as further assessments are undertaken. For the latest information visit www.merinosuperiorsires.com.au.

This report is complemented by a sire evaluation site report published at the completion of the post weaning and the hogget assessment stages.

For the latest information or to subscribe to email updates visit www.merinosuperiorsires.com.au

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Disclaimer

This publication contains raw data which has not been adjusted for factors that may improve the accuracy of its interpretation for genetic evaluation purposes such as birth and rear type, age of dam, age of measurement and management group, the number of breeding age ewes that are dry, rearing single or twin lambs nor accounting for difference in the foundation ewe sources. Persons should take particular care using raw data for genetic evaluation.

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