



MLP 2016 and 2017 Drops

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



November 2020

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](#).

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www.merinosuperiorsires.com.au

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Foundation Ewe Base

The foundation ewes that were used to generate the 2016 and 2017 drops were sourced from five flocks and allocated evenly across all sire groups. The foundation ewe base consisted of:

- **Commercial Pooginook**; approximately 200 commercial Pooginook blood ewes were selected out of 750. The ewes had been measured for micron and greasy fleece weight and reared a lamb.
- **Bundilla**; approximately 150 ewes were selected from a ewe base of 800 stud ewes. All ewes had reared a lamb and consisted of 3 & 4 year old ewes with an average MP+ 140.
- **Centre Plus**; approximately 150 ewes were selected from a ewe base of 350 stud ewes with an average MP+ of 158.

- **Bluechip ewes**; approximately 550 ewes came from two drops of ewes that were the result of a previous sire evaluation program. All ewes have full pedigree and ASBVs.
- **Pooginook**; approximately 155 2, 3 and 4-year-old ewes were selected from 1,050 stud ewes. They consist of single mated ewes (104) and syndicate mated ewes (51). All ewes have ASBV's and are structurally sound. The average MP+ index is 143.

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:	Selection is based on the animal performing well for growth (meeting minimum body weight suitable for joining at 18 months of age) and being structurally sound with good wool quality traits, including long soft handling wool and increasing fleece weight.
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.

The three types of data presented in this report have been chosen to be inclusive of the woolgrower demand for diverse data requirements.

Age at assessment:	M = Marking - 14 to 42 days W = Weaning - 42 to 120 days E = Early Post Weaning - 120 to 210 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 A5 = Adult - 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 <u>Tops, Flocks or Culls</u> 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 page 4 for more information).	
Professional Classifier Grade:	A classer grades all progeny as either a <u>Top, Stud, Flock, Sale or Cull</u> 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: Conception - ewes pregnant per ewes joined LS: Litter Size - lambs per litter ERA: Ewe Rearing Ability - lambs weaned per lambs born NLW: Number of lambs weaned per 100 ewes joined
Visual Traits as reported: Based on the Visual Sheep Scores.	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 are 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 ASBVs, 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 ASBVs 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.

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 can be downloaded 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
Bundilla Poll, 140055 601435-2014-140055	Ross, Rick & Jill Baldwin P: (02) 6383 3802, M: 0429 83 3837, E: bundillamerinos@bigpond.com	Young NSW 504081-2011-110107 (Bundilla, 110107)	PP	
Centre Plus Poll, 407185 601250-2014-407185	Robert Mortimer P: (02) 6892 8259, M: 0429 92 8292, E: robert@centreplus.com.au	Tullamore NSW 601250-2012-207058 (Centre Plus Poll, 207058)	PP	
Collinsville Poll, 130545 (Apollo) 600105-2013-130545	Tim Dalla M: 0488 77 3329, E: tim@collinsville.com.au	Hallet SA 600105-2011-111122 (Collinsville Poll, 111122)	PP	Link Sire
DT Kenilworth, WH13017 504044-2013-H13017	David Taylor P: (03) 6391 5734, M: 0407 51 7252, E: david@dtkenilworth.com.au	Campbell Town TAS 504044-2008-WH8219 (DT Kenilworth, WH8219)	HH	
Greendale, 140141 505069-2014-140141	Alan McGufficke P: (02) 6452 3605, M: 0429 44 8078, E: milliefarming@activ8.net.au	Cooma NSW 505069-2012-120012 (Greendale, 120012)	HH	
Lachlan Merinos Poll, 015305 601415-2015-015305	Glenn and Margot Rubie P: (02) 6857 2118, M: 0428 57 2117, E: lachlanmerinos@activ8.net.au	Forbes NSW 600001-2013-130028 (Poll Boonoke, PB28)	PH	
Leahcim Poll, 132624 600815-2013-132624	Andrew and Rosemary Michael P: (08) 8865 2085, M: 0418 82 8431, E: leahcimgenetics@bigpond.com	Snowtown SA 600815-2011-110490 (Leahcim Poll, 110490)	PP	
Tallowong Merinos, 150280 505011-2015-150280	Frank Kaveney M: 0427 27 5701, E: tallawong.merinos@bigpond.com	Yass NSW 500383-2011-003542 (Hazeldean, 11.3542 (Hugh))	PP	
Toland Poll, 151058 601082-2015-151058	Anna Toland M: 0438 98 1605, E: anna@tolandmerino.com.au	Violet Town VIC 609040-2012-122281 (Merinotech WA Poll, 122281)	PP	
Trefusis, 150282 500013-2015-150282	Georgina and Hamish Wallace P: (03) 6381 5320, M: 0438 98 6257, E: gawallace@trefusis.com.au	Ross TAS 504166-2012-122792 (Roseville Park, 122792)	HH	
Trigger Vale Poll, 140477 609251-2014-140477	Andrew and Mandi Bouffler P: (02) 6920 7656, M: 0427 20 7656, E: info@triggervalesheepstuds.com.au	Lockhart NSW 609251-2011-110511 (Trigger Vale Poll, 110511)	PP	Link Sire
Wallaloo Park Poll, 150422 601332-2015-150422	Trent Carter P: (03) 5359 2290, M: 0427 77 6114, E: trent_carter@hotmail.com	Marnoo VIC 600088-2013-130306 (Moorundie Park Poll, 130306)	PP	
West Plains Poll, 110004 601236-2011-110004	Drew Chapman P: (02) 6458 8129, M: 0428 82 3533, E: laura.chapman1@bigpond.com	Delegate NSW 501341-2009-090089 (Hinesville, 090089)	PH	Link Sire

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 Counts– F1 Ewes

Breeders flock, Sire number	Birth Type (Scanning)			Rear Type (Weaning)		
	Single	Twin	Triplet	Single	Twin	Triplet
Bundilla Poll, 140055	13	12	4	15	10	4
Centre Plus Poll, 407185	9	16	3	13	13	2
Collinsville Poll, 130545 (Apollo)	15	19	3	18	18	1
DT Kenilworth, WH13017	13	20	4	18	18	1
Greendale, 140141	8	10		10	8	
Lachlan Merinos Poll, 015305	10	25		13	22	
Leahcim Poll, 132624	13	22		15	20	
Tallowong Merinos, 150280	19	13	5	24	11	2
Toland Poll, 151058	11	25	2	15	23	
Trefusis, 150282	13	27	1	22	19	
Trigger Vale Poll, 140477	18	24		20	22	
Wallaloo Park Poll, 150422	13	16	1	19	11	
West Plains Poll, 110004 (Mercenary)	7	15	2	9	13	2
Total	162	244	25	211	208	12
	38%	57%	6%	49%	48%	3%

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

Raw Data

Counts – F1 Ewes

Marking 12/07/17	Weaning 22/09/17	Yearling Classing 19/03/18	Adult2 Classing 08/03/19	Adult2* Classing 09/10/19	Adult3 Classing 02/10/20	Survival Rate from Marking %
29	29	29	29	29	28	97%
28	28	28	26	26	25	89%
37	37	36	34	34	34	92%
37	37	36	35	33	31	84%
20	18	18	18	18	18	90%
37	35	34	34	33	33	89%
36	35	35	33	33	33	92%
40	37	37	36	33	31	78%
40	38	37	36	35	35	88%
43	41	40	40	40	39	91%
42	42	42	39	39	38	90%
35	30	28	25	25	25	71%
25	24	24	23	21	20	80%
35	33	33	31	31	30	87%
449	431	424	408	399	390	

Reductions in F1 ewe counts are a result of mortality and culling for welfare reasons.
*Changeover to an October shearing (previously March) resulted in a second Adult2 assessment and count.

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. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Wool – F1 Ewes

Wool growth in Months

Yearling	10	Adult2*	7
Adult2	12	Adult3	12

Breeders flock, Sire number	GFW (kg)				CFW (kg)				FD (µm)				FDCV (%)				SL (mm)				SS (Nktex)			
	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3
Bundilla Poll, 140055	3.4	7.8	5.0	5.6	2.3	5.0	3.2	3.9	16.4	17.2	18.7	17.6	17.1	16.4	16.1	19.3	86.3	100.7	74.0	102.9	35.3	20.8	36.8	26.5
Centre Plus Poll, 407185	3.6	8.1	5.1	5.5	2.4	4.9	3.0	3.7	16.4	17.0	18.1	16.8	16.7	15.4	16.5	19.3	93.5	106.9	74.2	103.7	30.8	21.4	29.9	21.6
Collinsville Poll, 130545 (Apollo)	3.9	8.8	5.8	6.6	2.6	5.7	3.6	4.6	17.7	19.1	20.7	19.3	16.6	15.8	16.5	19.6	84.9	100.1	70.9	104.0	43.4	25.7	36.6	25.4
DT Kenilworth, WH13017	3.9	8.5	5.4	6.2	2.6	5.3	3.3	4.1	16.6	17.2	18.4	17.5	17.3	16.4	17.1	18.5	90.1	106.8	74.5	108.2	38.7	19.6	30.7	28.9
Greendale, 140141	4.0	8.8	5.6	6.5	2.6	5.5	3.4	4.3	15.6	16.5	17.6	16.7	17.4	16.4	16.9	19.8	89.5	110.3	80.4	112.8	33.8	20.8	25.4	23.2
Lachlan Merinos Poll, 015305	3.5	8.1	5.1	5.8	2.4	5.3	3.2	4.0	17.2	18.8	19.7	18.3	17.8	16.9	17.7	19.8	89.0	101.2	70.4	101.3	34.3	26.2	30.9	23.1
Leahcim Poll, 132624	3.5	7.6	4.6	5.0	2.4	4.8	2.8	3.5	17.1	17.7	18.5	17.3	16.1	15.5	16.1	18.3	93.4	111.1	74.1	103.9	34.7	19.4	25.6	24.8
Tallowong Merinos, 150280	3.7	8.2	5.3	6.2	2.5	5.4	3.3	4.3	16.3	17.1	18.2	17.3	17.5	15.6	15.3	18.4	82.5	101.1	71.8	103.8	42.9	28.6	38.2	35.9
Toland Poll, 151058	3.4	7.3	4.4	5.0	2.3	4.6	2.6	3.4	17.3	18.3	18.9	17.5	16.7	16.4	16.3	18.3	95.3	111.8	76.9	106.7	37.6	24.1	31.7	28.1
Trefusis, 150282	3.9	8.6	5.4	6.7	2.5	5.2	3.2	4.2	17.1	17.8	19.3	18.2	17.8	16.5	16.5	18.4	87.6	103.1	72.3	106.0	40.4	25.8	36.1	32.7
Trigger Vale Poll, 140477	3.5	8.1	4.8	5.7	2.4	5.1	3.0	3.8	17.8	19.2	19.8	18.6	16.2	14.9	16.1	18.4	95.2	112.2	73.9	110.1	37.1	22.2	30.8	30.5
Wallaloo Park Poll, 150422	3.9	9.2	5.9	6.7	2.6	5.8	3.6	4.3	16.7	18.2	19.5	18.2	17.7	17.1	17.3	19.6	92.3	114.7	81.6	115.8	35.9	21.2	31.5	27.8
West Plains Poll, 110004 (Mercenary)	3.4	7.8	5.2	6.0	2.3	5.0	3.3	4.0	16.0	17.2	18.6	17.8	18.6	17.5	17.7	20.0	86.1	101.4	73.3	106.7	33.6	16.5	29.9	24.4
Average	3.7	8.2	5.2	6.0	2.5	5.2	3.2	4.0	16.8	17.8	18.9	17.8	17.2	16.2	16.6	19.1	89.7	106.3	74.5	106.6	36.8	22.5	31.9	27.1

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

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

***Changeover to an October shearing (previously March) resulted in a second Adult2 assessment.**

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. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Weights – F1 Ewes

Breeders flock, Sire number	Weaning	Post Weaning	Yearling	Weight Gain Weaning to Yearling	Hogget	Adult2 Pre Joining	Weight Gain Weaning to Joining	Adult3 Pre Joining
	(kg) 22/09/17	(kg) 07/02/18	(kg) 08/05/18	(kg) (kg)	(kg) 11/09/18	(kg) 10/12/18	(kg) (kg)	(kg) 10/12/19
Bundilla Poll, 140055	24.3	39.0	40.3	16.0	56.7	58.5	34.2	71.0
Centre Plus Poll, 407185	24.2	39.9	40.3	16.1	56.9	60.6	36.4	70.7
Collinsville Poll, 130545 (Apollo)	26.1	41.2	41.3	15.2	58.3	59.4	33.3	69.4
DT Kenilworth, WH13017	25.3	40.0	39.8	14.5	55.9	57.6	32.3	68.4
Greendale, 140141	24.7	39.0	39.7	15.0	55.5	58.3	33.6	66.6
Lachlan Merinos Poll, 015305	24.3	39.4	38.8	14.5	54.9	57.8	33.5	69.0
Leahcim Poll, 132624	23.9	39.7	40.7	16.8	57.0	59.3	35.4	67.8
Tallawong Merinos, 150280	25.0	38.9	39.2	14.2	53.9	56.0	31.0	66.8
Toland Poll, 151058	23.2	39.2	39.7	16.5	55.8	57.5	34.3	68.3
Trefusis, 150282	26.2	40.0	39.6	13.4	55.7	57.5	31.3	67.7
Trigger Vale Poll, 140477	25.4	43.2	44.8	19.4	62.2	64.8	39.4	75.1
Wallaloo Park Poll, 150422	24.2	38.6	38.7	14.5	55.4	58.6	34.4	69.9
West Plains Poll, 110004 (Mercenary)	22.7	36.2	36.0	13.3	51.0	53.5	30.8	63.9
Average	24.6	39.6	39.9	15.3	56.1	58.4	33.8	68.8

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

A2 = Adult (1.5-2.5 years); A3 = Adult (2.5-3.5 years); A4 = Adult (3.5-4.5 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. 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		
	Yearling	Adult2	Adult3	Yearling	Adult2	Adult3	Yearling	Adult2	Adult3
	08/05/18	Pre Joining 10/12/18	Pre Joining 10/12/19	08/05/18	Pre Joining 10/12/18	Pre Joining 10/12/19	05/06/18	Pre Joining 10/12/18	Pre Joining 10/12/19
Bundilla Poll, 140055	20.2	25.1	27.5	1.9	3.6	5.1	2.5	3.0	3.4
Centre Plus Poll, 407185	20.9	25.2	27.2	2.0	3.7	5.3	2.5	3.2	3.5
Collinsville Poll, 130545 (Apollo)	19.7	23.8	26.0	2.2	3.3	4.2	2.6	2.9	3.3
DT Kenilworth, WH13017	19.5	23.5	25.8	2.0	3.6	4.9	2.5	2.9	3.3
Greendale, 140141	18.8	23.9	25.5	1.9	3.2	4.6	2.4	3.0	3.3
Lachlan Merinos Poll, 015305	19.0	24.0	25.8	1.8	3.3	4.6	2.4	2.9	3.4
Leahcim Poll, 132624	20.4	24.6	26.3	2.2	4.4	6.3	2.6	3.1	3.6
Tallowong Merinos, 150280	19.0	21.5	24.2	1.9	3.1	4.5	2.6	3.0	3.3
Toland Poll, 151058	19.7	23.6	25.7	2.1	4.1	5.6	2.4	3.0	3.5
Trefusis, 150282	18.3	22.6	25.7	1.8	3.2	4.5	2.5	2.9	3.3
Trigger Vale Poll, 140477	21.3	25.3	26.9	2.7	5.2	6.4	2.9	3.3	3.8
Wallaloo Park Poll, 150422	18.3	22.6	25.1	1.7	2.9	3.9	2.5	2.9	3.3
West Plains Poll, 110004 (Mercenary)	17.7	22.3	24.6	1.7	2.8	3.9	2.3	2.8	3.1
Average	19.4	23.7	25.9	2.0	3.6	4.9	2.5	3.0	3.4

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

A2 = Adult (1.5-2.5 years); A3 = Adult (2.5-3.5 years); A4 = Adult (3.5-4.5 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. 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	DAG			URINE					BDWR			LEGS				FACE				
	M	M	P	H	A2*	P	H	A2	A2*	A3	Y	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	
Bundilla Poll, 140055	2.4	2.3	1.1	2.1	1.4	2.3	2.3	1.3	1.7	1.3	2.6	2.7	3.6	1.8	1.2	1.8	1.5	2.9	2.8	2.0	2.4	
Centre Plus Poll, 407185	2.3	2.4	1.1	2.3	1.6	2.3	2.3	1.2	1.8	1.5	2.2	2.2	2.8	2.6	2.1	1.9	2.3	2.9	2.7	2.1	2.3	
Collinsville Poll, 130545 (Apollo)	2.4	2.2	1.2	2.1	1.2	2.4	2.2	1.2	2.0	1.4	2.5	2.6	3.2	1.8	1.5	1.7	2.1	3.0	2.9	2.2	2.3	
DT Kenilworth, WH13017	2.5	2.3	1.1	2.1	1.2	2.4	2.2	1.2	1.6	1.5	3.0	3.0	3.8	1.8	1.1	1.6	1.6	3.0	2.7	2.3	2.6	
Greendale, 140141	3.5	2.2	1.7	2.3	1.4	2.5	2.0	1.5	2.2	1.3	3.5	3.3	4.1	2.0	1.5	2.2	1.6	3.2	3.2	3.0	3.2	
Lachlan Merinos Poll, 015305	2.5	2.0	1.4	2.1	1.4	2.2	2.2	1.3	1.7	1.2	2.5	2.5	3.5	1.9	1.2	2.1	1.8	3.0	3.0	2.5	2.8	
Leahcim Poll, 132624	2.2	2.1	1.0	2.0	1.2	2.3	1.9	1.2	1.6	1.4	2.3	2.1	3.2	2.1	1.6	2.0	1.6	3.0	2.8	2.2	2.2	
Tallowong Merinos, 150280	2.8	2.3	1.2	2.1	1.3	2.4	2.1	1.5	1.8	1.5	3.3	3.2	3.6	2.6	1.9	2.5	1.8	3.1	3.3	3.0	3.2	
Toland Poll, 151058	2.2	2.0	1.0	2.1	1.3	2.1	2.2	1.5	1.3	1.2	2.3	2.6	3.0	2.1	1.3	1.8	1.8	2.9	2.5	1.9	2.2	
Trefusis, 150282	2.7	2.3	1.3	2.0	1.5	2.4	2.1	1.4	2.0	1.5	3.3	3.2	4.0	1.8	1.6	1.8	2.1	3.0	3.1	2.5	2.8	
Trigger Vale Poll, 140477	1.7	2.1	1.3	2.2	1.7	2.3	2.2	1.4	1.6	1.5	2.0	2.2	2.7	1.7	1.4	1.6	1.8	3.0	2.9	2.4	2.6	
Wallaloo Park Poll, 150422	2.6	2.2	1.5	2.2	1.3	2.3	2.3	1.6	1.7	1.7	2.9	2.9	3.5	2.4	2.0	1.5	1.4	3.0	2.9	2.3	2.5	
West Plains Poll, 110004 (Mercenary)	2.5	2.4	1.1	2.1	1.6	2.5	2.0	1.4	2.0	1.7	2.6	2.6	3.2	2.6	2.4	2.2	1.9	3.0	3.0	2.6	2.8	
Average	2.5	2.2	1.2	2.1	1.4	2.3	2.2	1.4	1.8	1.4	2.7	2.7	3.4	2.1	1.6	1.9	1.8	3.0	2.9	2.4	2.6	

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

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

***Changeover to an October shearing (previously March) resulted in a second Adult2 assessment.**

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. 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			
	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3
Bundilla Poll, 140055	1.4	1.8	1.1	1.4	1.2	1.0	1.0	1.0	3.1	2.9	3.9	2.7	2.0	1.9	1.1	1.8
Centre Plus Poll, 407185	1.7	2.0	1.1	1.8	1.1	1.0	1.0	1.0	3.2	3.0	3.7	2.6	1.6	1.8	1.1	1.5
Collinsville Poll, 130545 (Apollo)	1.8	3.0	1.8	2.2	1.7	1.4	1.1	1.0	3.0	2.9	3.9	2.7	1.6	2.5	1.8	1.7
DT Kenilworth, WH13017	1.2	1.9	1.1	1.4	1.1	1.0	1.0	1.0	3.0	2.9	3.8	2.7	1.8	2.3	1.1	1.9
Greendale, 140141	1.6	1.9	1.2	1.1	1.0	1.3	1.0	1.0	2.9	2.6	3.9	2.5	1.6	2.2	1.2	1.7
Lachlan Merinos Poll, 015305	1.4	2.0	1.2	1.4	1.2	1.0	1.0	1.0	3.2	2.9	4.0	2.8	1.7	2.3	1.2	2.1
Leahcim Poll, 132624	1.7	2.0	1.2	1.4	1.3	1.0	1.0	1.0	3.1	3.2	3.9	2.5	1.7	2.2	1.2	1.9
Tallawong Merinos, 150280	1.2	2.0	1.2	1.5	1.3	1.1	1.0	1.0	2.9	2.6	3.8	2.6	1.8	2.3	1.2	1.9
Toland Poll, 151058	1.3	1.6	1.1	1.2	1.1	1.0	1.0	1.0	3.2	3.1	4.0	2.9	2.1	2.6	1.1	2.0
Trefusis, 150282	1.5	1.5	1.0	1.1	1.0	1.1	1.0	1.0	3.0	2.6	3.9	2.8	1.9	2.0	1.0	1.9
Trigger Vale Poll, 140477	1.6	2.0	1.2	1.5	1.2	1.0	1.0	1.0	3.4	3.1	4.0	2.9	2.3	2.5	1.2	1.9
Wallaloo Park Poll, 150422	1.8	2.5	1.3	1.8	1.4	1.0	1.0	1.0	3.1	3.0	3.8	2.9	1.7	2.3	1.3	1.6
West Plains Poll, 110004 (Mercenary)	1.2	1.7	1.1	1.7	1.0	1.2	1.0	1.0	3.1	2.8	3.9	2.6	1.5	1.7	1.1	1.5
Average	1.5	2.0	1.2	1.5	1.2	1.1	1.0	1.0	3.1	2.9	3.9	2.7	1.8	2.2	1.2	1.8

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

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

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

***Changeover to an October shearing (previously March) resulted in a second Adult2 assessment.**

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. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Craig Wilson

Results are ewe numbers as classed into each grade.

Breeders flock, Sire number	Yearling 19/03/18					Adult2 08/03/19					Adult2* 09/10/19					Adult3 02/10/20				
	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull
Bundilla Poll, 140055	7	10	11	1		6	12	11			9	15	5			1	7	14	6	
Centre Plus Poll, 407185	7	16	3			5	10	10	1		1	10	7	5	3	1	4	10	8	2
Collinsville Poll, 130545 (Apollo)	10	16	9	1		5	20	7	2		1	7	17	5	4	1	7	18	5	3
DT Kenilworth, WH13017	2	9	18	6	1	1	4	22	5	3	2	12	13	6		3	10	14	3	1
Greendale, 140141	1	5	8	4		1	13	4			6	9	2	1	1	6	9	1		
Lachlan Merinos Poll, 015305	4	18	9	3		4	19	10	1		4	20	7	2		5	13	7	8	
Leahcim Poll, 132624	4	23	8				12	18	3		3	16	13	1			11	17	5	
Tallawong Merinos, 150280	1	7	18	9	2	1	9	16	8	1	7	18	6	2		12	16	3		
Toland Poll, 151058	3	18	14	2		2	12	16	6		2	16	15	2		2	7	15	11	
Trefusis, 150282	6	22	10	2		7	22	6	5		12	16	8	4	1	17	11	6	4	
Trigger Vale Poll, 140477	5	17	19	2		1	4	17	17	1	3	22	12	2		6	16	15	1	
Wallaloo Park Poll, 150422	1	8	9	6	3	1	5	10	6	3	1	10	9	2	2	4	7	9	3	2
West Plains Poll, 110004 (Mercenary)	3	13	4	4		1	14	3	5		2	11	5	3	1	4	10	3	2	
Total	5	78	206	112	21	4	53	199	121	31	5	87	189	91	26	13	87	158	92	39
	1%	18%	49%	27%	5%	1%	13%	49%	30%	8%	1%	22%	47%	23%	7%	3%	22%	41%	24%	10%

***Changeover to an October shearing (previously March) resulted in a second Adult2 assessment.**

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 17 is presented 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. 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. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Reproduction in 2020 – Adult3 Stage

7 rams were used in a syndicate and naturally joined to the F1 ewes on December 23, 2019 and were removed on January 30, 2020.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 17/03/20						F2 Progeny Weaning [^] 02/09/20					
		Ewe Numbers				Number	Foetus	Lamb Numbers		Number	Weaning		Kg lambs weaned/No. ewes joined ⁴
		Empty	Single	Twin	Triplet	Foetuses	Rate ¹	Single	Twin	Lambs	Survival ²	Rate ³	
Bundilla Poll, 140055	29	3	14	12		38	131%	17	18	35	92%	121%	36.5
Centre Plus Poll, 407185	26	3	8	15		38	146%	8	24	32	84%	123%	37.6
Collinsville Poll, 130545 (Apollo)	34	7	11	16		43	126%	11	22	33	77%	97%	28.5
DT Kenilworth, WH13017	33	2	17	14		45	136%	13	22	35	78%	106%	30.4
Greendale, 140141	18	5	10	3		16	89%	8	6	14	88%	78%	19.7
Lachlan Merinos Poll, 015305	33	1	14	18		50	152%	23	14	37	74%	112%	34.0
Leahcim Poll, 132624	33	4	24	5		34	103%	22	6	28	82%	85%	26.0
Tallawong Merinos, 150280	32	7	9	16		41	128%	13	18	31	76%	97%	27.6
Toland Poll, 151058	35	1	11	23		57	163%	14	36	50	88%	143%	40.7
Trefusis, 150282	39	4	17	17	1	54	138%	18	22	40	74%	103%	27.1
Trigger Vale Poll, 140477	39	8	21	10		41	105%	19	12	31	76%	79%	24.7
Wallaloo Park Poll, 150422	25	5	12	8		28	112%	14	8	22	79%	88%	28.1
West Plains Poll, 110004 (Mercenary)	21	3	11	7		25	119%	11	12	23	92%	110%	30.2
Total	397	53 13%	179 45%	164 41%	1 0%	510	128%	191 46%	220 54%	411	81%	104%	30.2

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. Persons should take particular care using raw data for genetic evaluation.

2017 Drop

Raw Data

Reproduction in 2019 – Adult2 Stage (Maiden)

10 rams were used in a syndicate and naturally joined to the F1 ewes on December 20, 2018 and were removed on January 25, 2019.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 11/03/19					F2 Progeny Weaning 05/08/19					
		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	
Bundilla Poll, 140055	29	5	11	13	37	128%	9	18	27	73%	93%	23.5
Centre Plus Poll, 407185	26	8	10	8	26	100%	14	6	20	77%	77%	19.8
Collinsville Poll, 130545 (Apollo)	34	12	13	9	31	91%	15	8	23	74%	68%	17.6
DT Kenilworth, WH13017	35	12	17	6	29	83%	15	4	19	66%	54%	13.3
Greendale, 140141	18	9	8	1	10	56%	7	0	7	70%	39%	9.0
Lachlan Merinos Poll, 015305	34	10	18	6	30	88%	19	6	25	83%	74%	19.8
Leahcim Poll, 132624	33	13	17	3	23	70%	14	2	16	70%	48%	10.8
Tallowong Merinos, 150280	36	12	12	12	36	100%	12	18	30	83%	83%	18.7
Toland Poll, 151058	36	4	17	15	47	131%	21	16	37	79%	103%	26.0
Trefusis, 150282	40	19	12	9	30	75%	13	8	21	70%	53%	11.7
Trigger Vale Poll, 140477	40	8	24	7	38	95%	26	6	32	84%	80%	20.4
Wallaloo Park Poll, 150422	24	9	11	4	19	79%	11	6	17	89%	71%	18.1
West Plains Poll, 110004 (Mercenary)	23	5	15	3	21	91%	13	4	17	81%	74%	18.9
Total	408	126 31%	185 45%	96 24%	377	92%	189 65%	102 35%	291	77%	71%	17.7

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.

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2017 Drop

Adjusted Sire Means Wool

Wool growth in Months			
Yearling	10	Adult2*	7
Adult2	12	Adult3	12

Breeders flock, Sire number	GFW (kg)				CFW (kg)				FD (µm)				FDCV (%)				SL (mm)				SS (Nktex)			
	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3	Y	A2	A2*	A3
Bundilla Poll, 140055	3.4	7.8	5.0	5.6	2.3	5.0	3.2	3.9	16.4	17.2	18.7	17.6	17.2	16.6	16.2	19.5	86.4	100.6	74.1	102.8	35.9	20.4	36.8	25.3
Centre Plus Poll, 407185	3.6	8.1	5.2	5.6	2.4	4.9	3.1	3.8	16.5	17.0	18.2	16.9	16.7	15.5	16.5	19.3	92.8	106.3	73.9	103.7	31.2	21.1	30.1	21.5
Collinsville Poll, 130545 (Apollo)	3.9	8.7	5.8	6.5	2.6	5.7	3.6	4.5	17.7	19.1	20.7	19.3	16.6	15.7	16.5	19.6	85.2	100.2	71.0	103.9	43.3	25.7	36.7	25.4
DT Kenilworth, WH13017	3.9	8.6	5.4	6.2	2.6	5.3	3.3	4.1	16.6	17.2	18.3	17.4	17.3	16.4	17.1	18.5	90.2	107.0	74.8	108.3	38.4	19.3	30.4	28.4
Greendale, 140141	4.0	8.8	5.6	6.5	2.5	5.4	3.4	4.3	15.6	16.6	17.7	16.8	17.2	16.2	16.8	19.6	89.8	110.7	80.3	112.9	33.7	21.0	25.6	23.7
Lachlan Merinos Poll, 015305	3.5	8.1	5.1	5.9	2.4	5.3	3.2	4.0	17.2	18.7	19.6	18.2	17.9	16.9	17.6	19.8	88.8	101.3	70.6	101.4	34.0	26.1	30.9	23.2
Leahcim Poll, 132624	3.5	7.6	4.6	5.0	2.4	4.8	2.8	3.5	17.1	17.7	18.5	17.3	16.2	15.5	16.0	18.3	93.2	110.9	74.0	103.8	34.7	19.6	25.9	25.0
Tallawong Merinos, 150280	3.7	8.1	5.3	6.1	2.5	5.4	3.3	4.3	16.4	17.1	18.3	17.3	17.4	15.7	15.4	18.4	82.4	100.7	71.6	103.6	43.3	28.6	38.1	35.6
Toland Poll, 151058	3.4	7.3	4.4	5.0	2.3	4.6	2.6	3.4	17.3	18.3	18.9	17.6	16.7	16.4	16.3	18.2	95.3	111.8	76.8	106.8	37.4	24.2	31.9	28.4
Trefusis, 150282	3.9	8.6	5.4	6.7	2.5	5.2	3.2	4.1	17.0	17.8	19.2	18.2	17.7	16.4	16.5	18.2	88.0	103.8	72.5	106.3	39.9	26.0	35.6	33.4
Trigger Vale Poll, 140477	3.5	8.0	4.7	5.6	2.4	5.1	3.0	3.8	17.8	19.2	19.8	18.6	16.3	14.9	16.1	18.4	95.3	112.0	73.7	109.9	37.3	22.6	31.0	30.7
Wallaloo Park Poll, 150422	3.8	9.2	5.8	6.7	2.5	5.8	3.6	4.3	16.7	18.1	19.4	18.2	17.6	17.1	17.4	19.6	92.4	115.0	81.6	115.8	35.8	21.5	30.9	28.2
West Plains Poll, 110004 (Mercenary)	3.4	7.9	5.3	6.0	2.3	5.1	3.4	4.1	16.0	17.2	18.6	17.9	18.6	17.6	17.7	20.1	85.6	100.9	73.1	106.6	33.9	16.2	30.4	24.0
Average	3.7	8.2	5.2	6.0	2.5	5.2	3.2	4.0	16.8	17.8	18.9	17.8	17.2	16.2	16.6	19.1	89.7	106.3	74.5	106.6	36.8	22.5	31.9	27.1

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

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

***Changeover to an October shearing (previously March) resulted in a second Adult2 assessment.**

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)			CS		
	W	P	Y	H	A2	A3	Y	A2	A3	Y	A2	A3	Y	A2	A3
Bundilla Poll, 140055	24.2	38.9	40.3	56.7	58.4	70.8	20.3	25.2	27.5	1.9	3.7	5.1	2.5	3.0	3.4
Centre Plus Poll, 407185	24.4	40.2	40.5	57.2	60.9	71.0	20.9	25.2	27.3	2.0	3.7	5.3	2.5	3.2	3.5
Collinsville Poll, 130545 (Apollo)	26.1	41.3	41.4	58.4	59.4	69.4	19.8	23.8	26.1	2.2	3.3	4.2	2.6	2.9	3.3
DT Kenilworth, WH13017	25.2	40.0	39.7	56.0	57.8	68.4	19.5	23.4	25.9	2.0	3.6	4.9	2.5	2.9	3.3
Greendale, 140141	24.7	39.3	40.2	55.9	58.7	66.9	19.0	23.9	25.5	1.9	3.2	4.6	2.5	3.1	3.3
Lachlan Merinos Poll, 015305	24.5	39.4	38.8	54.8	57.8	68.9	18.9	24.1	25.7	1.8	3.3	4.6	2.4	2.9	3.4
Leahcim Poll, 132624	23.9	39.7	40.7	56.8	59.0	67.5	20.4	24.6	26.1	2.2	4.4	6.2	2.6	3.1	3.6
Tallowong Merinos, 150280	24.6	38.7	39.0	53.7	55.8	66.9	19.0	21.4	24.3	1.9	3.0	4.6	2.6	3.0	3.3
Toland Poll, 151058	23.5	39.4	39.9	55.9	57.6	68.5	19.7	23.6	25.7	2.1	4.1	5.7	2.4	3.0	3.5
Trefusis, 150282	26.2	40.1	39.7	55.9	57.7	68.0	18.3	22.8	25.8	1.8	3.2	4.5	2.5	2.9	3.3
Trigger Vale Poll, 140477	25.3	42.8	44.5	61.8	64.3	74.7	21.2	25.3	26.8	2.7	5.2	6.3	2.8	3.3	3.8
Wallaloo Park Poll, 150422	23.8	38.3	38.5	55.2	58.3	69.6	18.2	22.6	25.1	1.7	2.9	3.9	2.5	2.9	3.3
West Plains Poll, 110004 (Mercenary)	23.1	36.4	36.3	51.2	53.9	64.2	17.7	22.3	24.6	1.7	2.8	3.9	2.3	2.8	3.1
Average	24.6	39.6	39.9	56.1	58.4	68.8	19.4	23.7	25.9	2.0	3.6	4.9	2.5	3.0	3.4

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).

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: Ben Patrick

Breeders flock, Sire number	Progeny No [^]	TOPS (%)				CULLS (%)			
		Y	A2	A2*	A3	Y	A2	A2*	A3
Bundilla Poll, 140055	28	5	1	0	3	5	-6	-5	-16
Centre Plus Poll, 407185	25	-6	-12	9	0	0	7	-8	3
Collinsville Poll, 130545 (Apollo)	34	7	4	-8	4	-3	1	2	10
DT Kenilworth, WH13017	31	19	0	21	2	-10	-16	-10	-18
Greendale, 140141	18	1	5	9	-2	-13	-4	-11	-19
Lachlan Merinos Poll, 015305	33	-6	0	-2	-1	-2	-8	10	4
Leahcim Poll, 132624	33	-5	-15	-17	-20	-12	23	3	12
Tallawong Merinos, 150280	31	-5	6	-6	3	4	3	-6	-2
Toland Poll, 151058	35	-6	-19	-17	-18	4	19	18	29
Trefusis, 150282	39	11	11	4	7	-4	-15	-4	-2
Trigger Vale Poll, 140477	38	-7	1	-23	-9	11	-8	8	12
Wallaloo Park Poll, 150422	25	3	31	36	31	13	-10	-11	-15
West Plains Poll, 110004 (Mercenary)	20	-13	-13	-6	1	9	12	12	2
Average	30	15	27	23	22	17	27	19	26

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).

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

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

***Changeover to an October shearing (previously March) resulted in a second Adult2 assessment.**

***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.

2017 Drop

Within-Site and Within-Drop Flock Breeding Values Wool

Breeders flock, Sire number	Progeny No [^]	YGFW (%)	AGFW (%)	YCFW (%)	ACFW (%)	YFD (μm)	AFD (μm)	YFDCV (%)	AFDCV (%)	YSL (mm)	ASL (mm)	YSS (Nktex)	ASS (Nktex)
Bundilla Poll, 140055	66	-13	-9	-8	-6	-0.5	-0.6	0.2	0.4	-6.3	-9.3	-1.2	-1.3
Centre Plus Poll, 407185	68	-3	-1	-7	-4	-0.9	-1.4	-0.8	-0.6	4.3	3.6	-7.3	-2.8
Collinsville Poll, 130545 (Apollo)	67	11	8	11	12	1.7	2.4	-0.7	0.1	-6.5	-8.4	9.6	4.8
DT Kenilworth, WH13017	73	10	8	13	6	-0.2	-0.6	-0.5	-0.1	3.1	3.3	3.5	-0.3
Greendale, 140141	48	9	7	2	4	-2.3	-2.3	1.0	0.7	-2.9	0.3	-5.7	-5.5
Lachlan Merinos Poll, 015305	76	-1	1	4	3	0.7	1.0	1.6	1.2	-2.1	-6.1	-3.8	1.5
Leahcim Poll, 132624	69	-5	-12	-4	-10	0.3	-0.5	-1.9	-1.4	6.2	6.0	-3.4	-4.4
Tallawong Merinos, 150280	69	-1	1	0	6	-1.0	-1.2	-0.3	-1.1	-12.4	-9.8	8.3	8.7
Toland Poll, 151058	93	-13	-20	-11	-21	0.8	0.2	-1.7	-1.6	12.4	12.0	2.0	4.1
Trefusis, 150282	80	13	10	2	2	0.3	0.3	0.3	-0.4	-1.7	-3.4	4.8	5.7
Trigger Vale Poll, 140477	77	-8	-9	-8	-10	1.9	1.8	-1.6	-1.0	7.9	5.9	-1.1	-1.9
Wallaloo Park Poll, 150422	59	11	20	12	20	0.2	1.2	1.9	1.7	5.1	14.0	-1.6	-0.9
West Plains Poll, 110004 (Mercenary)	58	-11	-6	-6	-3	-1.0	-0.4	2.4	2.1	-7.2	-8.1	-4.1	-7.6

Weight, Carcase and WEC

Breeders flock, Sire number	Progeny No [^]	WWT (kg)	PWT (kg)	YWT (kg)	AWT (kg)	YEMD (mm)	YFAT (mm)	PWEC (%)
Bundilla Poll, 140055	66	-1.6	-1.3	0.5	1.5	1.1	-0.3	14
Centre Plus Poll, 407185	68	-1.1	-0.8	0.1	0.7	1.5	-0.2	15
Collinsville Poll, 130545 (Apollo)	67	1.0	1.6	1.4	0.1	0.1	0.9	28
DT Kenilworth, WH13017	73	0.5	1.9	0.7	0.8	0.3	0.2	34
Greendale, 140141	48	-0.5	-1.0	-1.0	0.0	-1.2	-0.7	-42
Lachlan Merinos Poll, 015305	76	0.2	0.1	-1.1	-0.7	-0.4	-1.0	-17
Leahcim Poll, 132624	69	0.7	1.1	1.3	0.4	1.4	1.3	-2
Tallawong Merinos, 150280	69	-1.1	-2.6	-3.1	-3.1	-0.8	-0.6	10
Toland Poll, 151058	93	-1.2	-1.3	-0.3	-1.8	1.0	1.0	-24
Trefusis, 150282	80	2.6	0.7	-1.3	-1.1	-2.1	-1.3	-2
Trigger Vale Poll, 140477	77	2.5	5.8	8.7	7.0	1.7	3.4	4
Wallaloo Park Poll, 150422	59	-0.8	-0.6	-0.6	0.8	-1.5	-1.6	-20
West Plains Poll, 110004 (Mercenary)	58	-1.2	-3.6	-5.3	-4.5	-1.3	-1.1	22

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	Across Year Results				
	Ewes joined ¹	Conception	Litter Size	Ewe Rearing Ability	Number of Lambs Weaned
Bundilla Poll, 140055	29	0.07	0.08	0.03	17
Centre Plus Poll, 407185	26	0.02	0.12	0.03	13
Collinsville Poll, 130545 (Apollo)	34	-0.05	0.08	-0.05	-7
DT Kenilworth, WH13017	35	0.01	-0.04	-0.06	-9
Greendale, 140141	18	-0.10	-0.12	-0.01	-19
Lachlan Merinos Poll, 015305	34	0.05	0.01	0.00	6
Leahcim Poll, 132624	33	-0.04	-0.22	0.00	-18
Tallawong Merinos, 150280	36	-0.04	0.14	0.00	4
Toland Poll, 151058	36	0.14	0.17	0.05	34
Trefusis, 150282	40	-0.06	0.05	-0.05	-10
Trigger Vale Poll, 140477	40	0.01	-0.14	0.02	-6
Wallaloo Park Poll, 150422	24	-0.06	-0.07	0.01	-9
West Plains Poll, 110004 (Mercenary)	23	0.03	-0.07	0.04	3

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
Bundilla Poll, 140055	139	115	110	106
Centre Plus Poll, 407185	134	116	112	110
Collinsville Poll, 130545 (Apollo)	99	102	93	110
DT Kenilworth, WH13017	103	115	110	115
Greendale, 140141	69	94	112	95
Lachlan Merinos Poll, 015305	105	102	95	105
Leahcim Poll, 132624	52	57	69	70
Tallawong Merinos, 150280	129	137	142	118
Toland Poll, 151058	150	119	108	102
Trefusis, 150282	69	94	101	94
Trigger Vale Poll, 140477	78	58	56	76
Wallaloo Park Poll, 150422	93	106	103	115
West Plains Poll, 110004 (Mercenary)	81	85	87	85

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.

2016 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 can be downloaded 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
Bella Lana, 130296 505050-2013-130296	Scott & Anna Brien P: (02) 6846 7477, M: 0409 46 7477, E: brien@bellalana.com.au Wellington NSW	600815-2011-111173 (Leahcim Poll 111173)	HH	
Boyanga, 145112 504800-2014-145112	Mark Murphy P: (02) 6846 7477, M: 0409 46 7477, E: brien@bellalana.com.au Goondiwindi QLD	504800-2011-115056 (Boyanga, 115056)	PP	
Glen Donald, 120014 503543-2012-120014	Robert Harding P: (03) 5392 9271, M: 0417 56 5805 Nhill VIC	503543-2009-090402 (Glen Donald, 090402)	HH	
Greendale, 120012 505069-2012-120012	Alan McGufficke P: (02) 6452 3605, M: 0429 44 8078, E: milliefarming@activ8.net.au Cooma NSW	503298-2008-080121 (Nerstane, 080121)	HH	
Leahcim Poll, 090918 600815-2009-090918	Andrew and Rosemary Michael P: (08) 8865 2085, M: 0418 82 8431, E: leahcimgenetics@bigpond.com Snowtown SA	600815-2007-070319 (Leahcim Poll, 070319)	PP	Link Sire
One Oak No. 2, R56 503855-2010-100R56	Graham Wells M: 0428 44 2930, E: oneoakpl@bigpond.com Smoko VIC	503855-2008-080004 (One Oak Poll, 080004)	HH	Link Sire
Pastora Poll, 082893 601090-2008-082893	Tim Westblade P: (02) 6920 5423, M: 0429 20 5423, E: trwesty@bigpond.com Lockhart NSW	Unknown	PP	
Poll Boonoke, 120020 600001-2012-120020	Angus Munro P: (03) 5884 6604, M: 0488 60 1603, E: amunro@austfood.com.au Deniliquin NSW	600001-2010-100001 (Poll Boonoke, 100001)	PH	
Pooginook Poll, 140632 601442-2014-140632	John Sutherland P: (02) 6954 6145, M: 0428 95 3017, E: pooginook@parawaypastoral.com Jerilderie NSW	601442-2012-120506 (Pooginook Poll, 120506)	PH	
Roseville Park, 140611 504166-2014-140611	Matthew and Cherie Coddington P: (02) 6887 7286, M: 0428 63 5386, E: rpmerinos@bigpond.com Dubbo NSW	504166-2010-100038 (Roseville Park, 100038)	HH	
Trigger Vale Poll, 140477 609251-2014-140477	Andrew and Mandi Bouffler P: (02) 6920 7656, M: 0427 20 7656, E: info@triggervalesheepstuds.com.au Lockhart NSW	609251-2011-110511 (Trigger Vale Poll, 110511)	PP	
Wattle Dale, 140754 503358-2014-140754	Dave Vandenberghe P: (08) 9078 6049, M: 0427 78 6049, E: wattledale@vandenberghepartners.com.au Scaddan WA	601250-2009-907538 (Centre Plus Poll, 907538)	PH	
Wurrook, 130149 502250-2013-130149	Paul Walton P: (03) 5346 1401, M: 0427 46 1401, E: wurrook@icloud.com Rokewood VIC	Unknown	HH	

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.

2016 Drop

Raw Data

Birth and Rear Type Counts – F1 Ewes

Breeders flock, Sire number	Birth Type (Scanning)			Rear Type (Weaning)		
	Single	Twin	Triplet	Single	Twin	Triplet
Bella Lana, 130296	16	15		19	12	
Boyanga, 145112	12	24	5	22	18	1
Glen Donald, 120014	14	5		15	4	
Greendale, 120012	9	11		11	9	
Leahcim Poll, 090918	9	18	1	14	14	
One Oak No. 2, R56	15	22	3	21	19	
Pastora Poll, 082893	10	15	3	15	13	
Poll Boonoke, 120020	14	14	1	16	13	
Pooginook Poll, 140632	12	11	3	14	12	
Roseville Park, 140611	6	10		6	10	
Trigger Vale Poll, 140477	10	25		17	18	
Wattle Dale, 140754	16	13		19	10	
Wurrook, 130149	10	9		11	8	
Total	153	192	16	200	160	1
	42%	53%	4%	55%	44%	0%

This relates to 2016 Drop F1 ewes own birth and rear type

Raw Data

Counts – F1 Ewes

Marking 29/06/16	Weaning 25/10/16	Yearling 24/03/17	Adult2 Classing 05/03/18	Adult3 Classing 08/03/19	Adult3* Classing 17/10/19	Adult4 Classing 02/10/20	Survival Rate from Marking %
32	31	29	29	28	28	28	88%
43	41	40	37	36	35	32	74%
20	19	19	19	19	18	18	90%
23	20	20	20	19	18	15	65%
30	28	28	27	25	23	20	67%
42	40	38	36	36	35	33	79%
28	28	28	28	28	28	28	100%
31	29	29	29	29	29	29	94%
26	26	26	26	26	26	25	96%
16	16	16	16	15	15	13	81%
36	35	35	35	34	33	32	89%
29	29	29	28	27	25	18	62%
19	19	18	16	16	14	14	74%
29	28	27	27	26	25	23	81%
375	361	355	346	338	327	305	

*Changeover to an October shearing (previously March) resulted in a second Adult3 assessment and count.

Reductions in F1 ewe counts are a result of mortality and culling for welfare reasons.

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. Persons should take particular care using raw data for genetic evaluation.

2016 Drop

Raw Data

Wool – F1 Ewes

Wool growth in Months			
Yearling	10	Adult3	12
Adult2	12	Adult3*	7
Adult4	12		

Breeders flock, Sire number	GFW (kg)					CFW (kg)					FD (µm)					FDCV (%)					SL (mm)					SS (Nktx)				
	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4
Bella Lana, 130296	2.9	7.9	9.1	4.0	5.0	2.0	4.8	4.7	2.2	3.2	16.3	19.5	19.3	18.8	18.6	18.4	16.0	16.0	18.2	19.4	84.8	121.4	108.7	67.1	101.9	32.9	29.7	25.9	24.2	23.4
Boyanga, 145112	2.6	7.1	8.1	3.4	4.6	1.9	4.6	4.7	1.9	3.1	16.0	19.0	18.8	17.7	17.6	18.3	15.5	15.8	18.2	19.5	90.8	121.5	112.3	65.9	106.7	29.0	35.4	25.9	27.7	18.4
Glen Donald, 120014	2.9	8.8	10.5	4.2	6.0	2.1	6.1	6.4	2.7	4.3	15.9	19.5	19.5	18.8	18.8	20.7	17.5	17.1	19.7	20.5	81.6	114.0	106.1	62.8	103.0	32.1	37.2	25.8	27.9	22.7
Greendale, 120012	3.0	8.7	9.8	4.1	5.7	2.0	5.3	5.6	2.5	3.6	15.0	17.9	17.7	17.2	17.1	19.1	16.3	15.3	18.5	20.0	82.4	115.2	115.9	68.4	102.5	34.6	37.6	27.1	28.0	21.0
Leahcim Poll, 090918	3.0	7.7	8.7	3.7	5.2	2.1	4.9	4.8	2.2	3.6	16.4	19.4	19.5	18.9	18.6	18.3	15.4	15.7	17.7	19.4	88.5	120.4	112.8	68.2	109.0	28.2	34.0	28.7	27.4	23.2
One Oak No. 2, R56	2.9	8.8	10.7	4.3	5.9	2.0	5.6	6.2	2.6	3.9	16.0	18.9	18.9	17.8	17.8	19.7	17.8	17.3	19.6	20.0	76.4	111.3	108.6	64.0	100.5	32.6	36.6	29.9	23.5	21.6
Pastora Poll, 082893	2.9	7.8	9.2	3.9	5.5	2.0	4.8	5.2	2.3	3.3	15.5	17.8	17.6	16.8	16.3	20.3	17.4	17.6	19.7	20.2	80.1	109.8	103.2	61.9	97.3	30.1	34.6	29.1	29.6	24.3
Poll Boonoke, 120020	3.0	8.4	9.9	3.9	5.8	2.1	5.5	6.0	2.4	3.9	15.7	19.0	19.0	17.9	18.4	19.9	17.1	16.9	20.0	19.6	83.7	114.5	113.0	66.1	108.2	29.7	34.3	27.5	24.7	23.7
Pooginook Poll, 140632	2.9	8.4	10.0	4.1	5.4	2.0	5.3	5.4	2.3	3.5	16.4	19.9	19.3	18.6	18.2	18.9	15.9	15.8	18.0	18.4	84.8	116.3	108.1	66.2	102.6	33.0	37.3	28.2	29.0	24.7
Roseville Park, 140611	3.0	8.3	9.6	4.0	5.5	2.0	5.0	5.2	2.3	3.5	15.5	18.1	17.9	17.2	16.8	19.0	16.1	15.9	17.8	18.7	75.7	111.3	104.5	62.1	100.7	30.7	36.3	27.6	25.7	25.5
Trigger Vale Poll, 140477	3.0	7.9	9.3	3.9	5.8	2.0	5.0	5.2	2.2	3.7	17.4	20.4	19.9	18.6	18.8	17.3	14.7	14.3	17.1	18.0	87.0	119.0	110.5	66.5	109.8	36.5	34.3	27.2	28.7	27.7
Wattle Dale, 140754	3.0	8.5	10.1	4.5	5.8	2.1	5.3	5.6	2.5	3.6	15.4	18.1	17.6	17.6	16.9	19.6	16.1	16.0	17.8	20.1	80.8	115.9	102.9	63.6	98.2	32.7	37.2	25.3	27.3	23.2
Wurrook, 130149	2.9	8.2	10.0	3.9	5.4	2.0	5.4	6.0	2.3	3.7	15.4	17.8	17.5	16.6	16.4	20.7	17.8	16.1	18.5	19.7	74.2	108.1	104.5	61.4	96.0	36.2	36.8	30.6	28.1	18.9
Average	2.9	8.2	9.6	4.0	5.5	2.0	5.2	5.5	2.3	3.6	15.9	18.9	18.7	17.9	17.7	19.2	16.4	16.1	18.5	19.5	82.4	115.3	108.5	64.9	102.8	32.2	35.5	27.6	27.1	22.9

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

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

*Changeover to an October shearing (previously March) resulted in a second Adult3 assessment.

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2016 Drop

Raw Data

Weights – F1 Ewes

Breeders flock, Sire number	W (kg) 25/10/16	P (kg) 31/01/17	Y (kg) 17/05/17	Weight Gain Weaning to Yearling (kg)	H (kg) 15/07/17	A2 Pre Joining (kg) 21/12/17	Weight Gain Weaning to Joining (kg)	A3 Pre Joining (kg) 10/12/18	A4 Pre Joining (kg) 09/12/19
Bella Lana, 130296	30.0	34.7	37.3	7.3	49.3	63.6	33.6	78.1	72.1
Boyanga, 145112	28.9	33.5	36.8	7.9	47.1	62.2	33.3	77.0	69.2
Glen Donald, 120014	30.8	35.2	36.3	5.5	47.8	63.8	33.0	79.3	71.7
Greendale, 120012	29.1	33.7	36.3	7.2	48.3	62.7	33.6	77.7	70.8
Leahcim Poll, 090918	31.6	37.3	39.6	8.0	50.9	67.2	35.6	81.6	76.3
One Oak No. 2, R56	30.7	34.5	37.9	7.2	48.8	63.6	32.9	81.9	73.2
Pastora Poll, 082893	29.0	33.4	34.8	5.8	45.5	59.9	30.9	75.5	68.9
Poll Boonoke, 120020	29.7	34.1	36.2	6.5	47.6	62.1	32.4	78.9	70.6
Pooginook Poll, 140632	29.8	34.7	37.1	7.3	48.6	63.1	33.3	78.7	72.9
Roseville Park, 140611	29.8	32.8	35.7	5.9	46.9	59.4	29.6	75.3	68.9
Trigger Vale Poll, 140477	32.5	38.0	41.5	9.0	53.3	67.8	35.3	84.6	78.7
Wattle Dale, 140754	30.5	33.6	36.6	6.1	47.2	61.9	31.4	80.1	74.5
Wurrook, 130149	29.6	32.6	34.9	5.3	45.4	58.3	28.7	73.2	69.0
Average	30.2	34.5	37.0	6.8	48.2	62.7	32.6	78.6	72.1

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

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2016 Drop

Raw Data

Carcase Measurements and Condition Scores – F1 Ewes

	EMD (mm)				FAT (mm)				Condition Score			
	H	A2	A3	A4	H	A2	A3	A4	H	A2	A3	A4
Breeders flock, Sire number	15/07/17	21/12/17	10/12/18	09/12/19	15/07/17	21/12/17	10/12/18	09/12/19	04/10/17	21/12/17	10/12/18	09/12/19
Bella Lana, 130296	25.6	27.7	30.4	29.4	3.1	4.2	6.5	5.0	3.3	3.7	3.6	3.4
Boyanga, 145112	24.1	27.6	29.1	27.4	3.9	5.6	8.5	5.4	3.4	3.6	3.7	3.4
Glen Donald, 120014	22.6	24.8	27.3	26.1	2.7	3.8	6.1	3.9	3.3	3.5	3.4	3.0
Greendale, 120012	23.5	25.8	28.3	26.3	3.0	3.9	6.2	4.9	3.5	3.6	3.7	3.4
Leahcim Poll, 090918	24.0	27.2	30.0	28.7	3.1	4.7	7.4	5.6	3.6	3.7	3.6	3.5
One Oak No. 2, R56	23.4	25.8	29.0	27.9	2.7	3.6	6.8	4.5	3.4	3.7	3.6	3.2
Pastora Poll, 082893	23.2	26.5	29.1	27.6	2.2	3.7	6.0	4.3	3.2	3.6	3.6	3.3
Poll Boonoke, 120020	24.1	26.8	30.6	29.0	2.7	3.6	6.7	4.9	3.5	3.7	3.7	3.4
Pooginook Poll, 140632	23.7	26.6	29.6	28.6	2.7	3.9	6.8	4.9	3.4	3.5	3.5	3.4
Roseville Park, 140611	23.7	25.6	28.0	26.5	2.9	4.0	6.8	5.3	3.1	3.5	3.6	3.2
Trigger Vale Poll, 140477	25.2	26.6	29.2	27.9	3.7	5.1	7.8	5.4	3.7	3.9	3.7	3.6
Wattle Dale, 140754	23.4	24.9	27.6	27.1	2.6	3.6	7.1	5.5	3.4	3.6	3.5	3.5
Wurrook, 130149	22.3	24.2	26.4	25.3	2.8	3.3	6.0	4.3	3.1	3.4	3.2	3.1
Average	23.8	26.2	28.8	27.5	2.9	4.1	6.8	4.9	3.4	3.6	3.6	3.3

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

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2016 Drop

Raw Data

Visual Scores – Breech and Conformation – F1 Ewes

Breeders flock, Sire number	Breech										Conformation														
	BRWR		BCOV		DAG		URINE				BDWR					LEGS					FACE				
	M	M	H	A3*	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	
Bella Lana, 130296	2.2	1.8	1.3	2.0	1.0	1.0	1.5	1.6	1.7	2.0	2.2	2.1	2.3	3.0	1.6	1.6	1.4	1.3	1.3	2.9	2.9	2.9	2.3	2.7	
Boyanga, 145112	1.7	2.2	1.2	1.5	1.1	1.0	1.3	1.4	1.3	1.5	1.8	1.9	1.9	2.3	1.6	1.4	1.4	1.2	1.5	2.6	2.6	2.2	1.8	2.0	
Glen Donald, 120014	2.6	2.0	1.1	1.7	1.0	1.0	1.2	1.4	1.4	2.4	2.5	2.7	3.4	4.2	1.3	1.5	1.6	1.2	1.5	3.0	3.0	2.7	2.3	2.6	
Greendale, 120012	3.0	2.3	1.4	2.0	1.2	1.0	1.2	1.6	1.6	2.3	2.6	2.6	3.3	3.5	1.4	1.5	1.2	1.2	1.9	3.0	3.0	2.9	2.3	2.9	
Leahcim Poll, 090918	1.6	2.4	1.1	1.5	1.1	1.0	1.4	1.3	1.7	1.2	2.0	2.0	2.3	2.9	1.4	1.5	1.1	1.2	1.6	2.8	2.8	2.4	1.8	2.2	
One Oak No. 2, R56	3.1	2.1	1.0	1.8	1.1	1.0	1.4	1.7	1.6	2.2	2.6	2.7	3.1	3.5	1.5	1.6	1.1	1.2	1.6	2.9	3.0	3.0	2.6	3.0	
Pastora Poll, 082893	2.5	2.5	1.5	2.1	1.2	1.0	1.3	1.5	1.5	2.1	2.5	2.3	3.0	3.2	1.9	1.6	1.3	1.3	1.5	2.8	2.9	2.9	2.2	2.5	
Poll Boonoke, 120020	2.3	2.1	1.1	1.9	1.1	1.1	1.4	1.9	1.4	2.0	2.3	2.5	2.9	3.3	1.6	1.8	1.4	1.5	1.7	3.0	3.0	2.9	2.2	2.7	
Pooginook Poll, 140632	2.1	2.6	1.6	1.9	1.0	1.0	1.4	1.8	1.5	2.0	2.5	2.5	2.6	3.4	1.4	1.9	1.7	1.7	2.1	3.0	2.8	2.9	2.1	2.6	
Roseville Park, 140611	2.9	2.2	1.4	1.7	1.0	1.1	1.3	1.6	1.6	2.2	2.3	2.3	2.6	3.3	2.0	1.4	1.3	1.5	1.6	2.8	3.0	2.7	2.1	2.5	
Trigger Vale Poll, 140477	1.8	1.9	1.4	1.4	1.0	1.0	1.4	1.2	1.6	1.5	2.1	2.0	2.2	2.8	1.7	1.3	1.3	1.0	1.2	2.9	2.9	2.8	2.1	2.5	
Wattle Dale, 140754	3.0	1.8	1.6	1.9	1.0	1.1	1.4	1.6	1.7	2.4	3.1	2.9	3.5	3.9	1.3	1.5	1.3	1.7	1.8	2.9	3.0	2.8	2.2	2.7	
Wurrook, 130149	2.9	1.9	1.7	1.6	1.0	1.1	1.2	1.6	1.3	2.3	2.6	2.7	3.2	3.7	2.0	2.3	2.0	2.1	1.7	3.1	3.0	3.2	2.5	2.8	
Average	2.4	2.1	1.3	1.8	1.1	1.0	1.3	1.6	1.5	2.0	2.4	2.4	2.8	3.3	1.6	1.6	1.4	1.4	1.6	2.9	2.9	2.8	2.2	2.6	

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

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

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2016 Drop

Raw Data

Visual Scores – Wool Quality – F1 Ewes

Breeder's flock, Sire number	Wool Quality																			
	COL					FLROT					DUST					CHAR				
	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4
Bella Lana, 130296	2.1	1.8	1.8	1.0	1.5	1.1	1.0	1.0	1.0	1.0	2.2	3.0	4.1	3.8	2.8	2.3	1.9	2.6	2.8	2.4
Boyanga, 145112	2.4	1.5	1.9	1.0	1.8	1.3	1.0	1.0	1.0	1.0	2.8	3.2	4.3	4.0	2.7	2.5	1.7	2.4	2.9	2.0
Glen Donald, 120014	2.0	1.6	1.7	1.0	1.3	1.5	1.2	1.2	1.2	1.0	2.1	2.8	3.2	3.8	2.5	1.9	1.7	2.6	3.1	2.3
Greendale, 120012	2.2	1.5	1.7	1.0	1.4	1.4	1.0	1.0	1.0	1.0	2.1	2.7	3.5	3.9	2.6	2.0	1.6	2.7	2.8	2.0
Leahcim Poll, 090918	2.6	1.7	2.2	1.1	2.2	1.5	1.0	1.0	1.0	1.0	2.7	3.1	4.0	3.7	2.6	2.8	1.7	2.6	2.8	2.0
One Oak No. 2, R56	1.9	1.5	1.8	1.0	1.3	1.2	1.0	1.0	1.0	1.0	2.2	2.7	3.5	3.8	2.8	2.4	1.5	2.3	2.9	2.3
Pastora Poll, 082893	2.5	1.7	2.5	1.0	2.0	1.5	1.0	1.0	1.0	1.0	2.4	2.8	3.7	3.9	2.8	2.4	1.7	2.5	3.1	2.2
Poll Boonoke, 120020	2.3	1.6	2.2	1.0	1.7	1.2	1.0	1.0	1.0	1.0	2.3	2.9	3.6	3.8	2.7	2.6	1.8	2.8	3.0	2.6
Pooginook Poll, 140632	2.1	1.7	2.0	1.0	1.9	1.2	1.0	1.0	1.0	1.0	2.2	2.9	3.8	3.7	2.7	2.3	1.7	2.7	2.8	2.1
Roseville Park, 140611	2.4	1.9	2.4	1.0	1.4	1.3	1.1	1.0	1.0	1.0	2.2	2.8	3.9	3.6	2.7	1.7	1.4	2.0	2.7	1.8
Trigger Vale Poll, 140477	2.5	1.7	1.9	1.0	1.9	1.2	1.0	1.0	1.0	1.0	2.5	3.1	4.2	3.8	2.8	3.0	2.0	2.8	3.0	2.4
Wattle Dale, 140754	1.8	1.2	1.4	1.0	1.2	1.3	1.0	1.0	1.0	1.0	2.1	2.8	3.9	3.8	2.8	1.9	1.6	2.2	2.8	2.2
Wurrook, 130149	1.8	1.4	1.2	1.0	1.3	1.2	1.0	1.0	1.0	1.0	2.0	2.8	3.7	3.7	2.7	2.1	1.8	2.3	2.9	2.1
Average	2.2	1.6	1.9	1.0	1.6	1.3	1.0	1.0	1.0	1.0	2.3	2.9	3.8	3.8	2.7	2.3	1.7	2.5	2.9	2.2

M = Marking(14-42 days); W = Weaning (42-120 days); P = Post Weaning (210-300 days); Y = Yearling (300-400 days); H = Hogget (400-540 days);
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2016 Drop

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Craig Wilson

Results are ewe numbers as classed into each grade.

Breeders flock, Sire number	Hogget 04/10/17					Adult2 05/03/18					Adult3 08/03/19					Adult3* 08/10/19					Adult4 02/10/20				
	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull
Bella Lana, 130296		4	19	6			2	11	15	1			7	19	2		2	17	7	2		1	16	7	4
Boyanga, 145112		2	20	13	2		1	16	15	5			11	23	2			12	19	4		2	12	14	4
Glen Donald, 120014	1	8	6	2	2	1	7	5	5	1		9	6	3	1		4	8	4	2		9	6	2	
Greendale, 120012		4	14	2			7	11	2			6	9	4		2	3	10	2	1		4	8		2
Leahcim Poll, 090918	1	4	13	11			2	14	11	1		2	13	10			4	15	4			1	11	8	
One Oak No. 2, R56		6	20	10			13	18	5			14	18	4		1	15	10	7	2		9	18	3	3
Pastora Poll, 082893		1	12	13	1		1	18	7	1		4	10	14			5	14	7	2		5	8	6	8
Poll Boonoke, 120020		4	15	8	2		4	17	7	1		6	15	8			5	19	4	1		5	16	7	1
Pooginook Poll, 140632		3	16	6	1		1	17	8			1	16	9		1	6	12	6	1		5	11	7	1
Roseville Park, 140611		3	9	4		1	2	7	5	1			9	6			4	4	6	1		2	5	3	3
Trigger Vale Poll, 140477		2	14	19			5	14	14	2		2	18	14			3	22	6	2		6	14	10	2
Wattle Dale, 140754		7	14	7	1		5	13	6	4		6	14	6	1		11	8	5	1	1	5	6	3	3
Wurrook, 130149		3	9	2	2		4	6	6			3	11	2		1	2	8	2	1		3	8	2	1
Total	2	51	181	103	11	2	54	167	106	17	0	53	157	122	6	5	64	159	79	20	1	57	139	72	32
	1%	15%	52%	30%	3%	1%	16%	48%	31%	5%	0%	16%	46%	36%	2%	2%	20%	49%	24%	6%	0%	19%	46%	24%	11%

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 and management group, however have not been made for F1 ewe pregnancy and lactation status. More information about these differing approaches can be found on page 3.

***Changeover to an October shearing (previously March) resulted in a second Adult3 assessment.**

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. Persons should take particular care using raw data for genetic evaluation.

2016 Drop

Raw Data

Reproduction in 2020 – Adult4 Stage

6 rams were used in a syndicate and naturally joined to the F1 ewes on December 23, 2019 and were removed on January 30, 2020.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 17/03/20					F2 Progeny Weaning [^] 02/09/20							
		Ewe Numbers				Number Foetuses	Foetus Rate ¹	Lamb Numbers			Number Lambs	Weaning		Kg lambs weaned/No. ewes joined ⁴
Empty	Single	Twin	Triplet	Single	Twin			Triplet	Survival ²	Rate ³				
Bella Lana, 130296	28		12	16		44	157%	14	16		30	68%	107%	30.6
Boyanga, 145112	33	4	8	21		50	152%	16	22		38	76%	115%	29.9
Glen Donald, 120014	18		8	10		28	156%	9	12		21	75%	117%	31.6
Greendale, 120012	17	2	11	4		19	112%	9	6		15	79%	88%	25.5
Leahcim Poll, 090918	21	2	10	8	1	29	138%	10	10		20	69%	95%	28.3
One Oak No. 2, R56	35		13	20	2	59	169%	19	24	3	46	78%	131%	37.1
Pastora Poll, 082893	28		12	16		44	157%	14	24		38	86%	136%	37.5
Poll Boonoke, 120020	29	3	14	11	1	39	134%	15	16		31	79%	107%	30.4
Pooginook Poll, 140632	26		8	18		44	169%	13	18		31	70%	119%	33.8
Roseville Park, 140611	15	1	6	8		22	147%	7	6		13	59%	87%	22.0
Trigger Vale Poll, 140477	33	5	14	14		42	127%	15	18		33	79%	100%	28.9
Wattle Dale, 140754	25	1	11	13		37	148%	10	10		20	54%	80%	22.8
Wurrook, 130149	14		8	6		20	143%	9	6		15	75%	107%	29.9
Total	322	18 6%	135 42%	165 51%	4 1%	477	148%	160 46%	188 53%	3 1%	351	74%	109%	30.5

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 35.

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. Persons should take particular care using raw data for genetic evaluation.

2016 Drop

Raw Data

Reproduction in 2019 – Adult3 Stage

6 rams were used in a syndicate and naturally joined to the F1 ewes on December 20, 2018 and were removed on January 25, 2019.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 11/03/19						F2 Progeny Weaning 05/08/19						
		Ewe Numbers				Number	Foetus	Lamb Numbers			Number	Weaning		Kg lambs weaned/No. ewes joined ⁴
		Empty	Single	Twin	Triplet	Foetuses	Rate ¹	Single	Twin	Triplet	Lambs	Survival ²	Rate ³	
Bella Lana, 130296	28		10	17	1	47	168%	15	14		29	62%	104%	25.3
Boyanga, 145112	36	6	11	19		49	136%	12	28		40	82%	111%	25.6
Glen Donald, 120014	19	7		12		24	126%	2	16		18	75%	95%	21.0
Greendale, 120012	19	4	3	12		27	142%	8	10		18	67%	95%	22.8
Leahcim Poll, 090918	25	1	12	12		36	144%	11	12		23	64%	92%	22.8
One Oak No. 2, R56	36	7	12	16	1	47	131%	14	24	3	41	87%	114%	26.4
Pastora Poll, 082893	28	4	13	11		35	125%	18	6		24	69%	86%	22.1
Poll Boonoke, 120020	29	7	5	17		39	134%	9	26		35	90%	121%	27.7
Pooginook Poll, 140632	26	2	10	14		38	146%	13	16		29	76%	112%	27.6
Roseville Park, 140611	15	4	7	4		15	100%	8	2		10	67%	67%	16.2
Trigger Vale Poll, 140477	34	8	15	11		37	109%	16	18		34	92%	100%	23.4
Wattle Dale, 140754	27		9	18		45	167%	10	14		24	53%	89%	20.3
Wurrook, 130149	16	3	5	8		21	131%	7	4		11	52%	69%	15.0
Total	338	53 16%	112 33%	171 51%	2 1%	460	136%	143 42%	190 57%	3 1%	336	73%	99%	23.6

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 35.

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. Persons should take particular care using raw data for genetic evaluation.

2016 Drop

Raw Data

Reproduction in 2018 - Adult2 Stage (Maiden)

8 rams were used in a syndicate and naturally joined to the F1 ewes on December 21, 2017 and were removed on January 25, 2018.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 12/03/18						F2 Progeny Weaning 05/09/18						
		Ewe Numbers				Number	Foetus	Lamb Numbers			Number	Weaning		Kg lambs weaned/No. ewes joined ⁴
		Empty	Single	Twin	Triplet	Foetuses	Rate ¹	Single	Twin	Triplet	Lambs	Survival ²	Rate ³	
Bella Lana, 130296	29	2	18	9		36	124%	20	8		28	78%	97%	36.4
Boyanga, 145112	37	4	17	16		49	132%	19	24		43	88%	116%	41.3
Glen Donald, 120014	19	4	7	8		23	121%	6	16		22	96%	116%	40.4
Greendale, 120012	20	1	13	6		25	125%	15	6		21	84%	105%	39.4
Leahcim Poll, 090918	27	1	10	15	1	43	159%	10	20	3	33	77%	122%	43.4
One Oak No. 2, R56	36	10	13	12	1	40	111%	16	14	3	33	83%	92%	33.1
Pastora Poll, 082893	28	7	13	8		29	104%	15	8		23	79%	82%	30.1
Poll Boonoke, 120020	29	12	8	9		26	90%	11	12		23	88%	79%	28.5
Pooginook Poll, 140632	26		14	12		38	146%	16	14		30	79%	115%	40.0
Roseville Park, 140611	16	2	9	5		19	119%	10	4		14	74%	88%	30.4
Trigger Vale Poll, 140477	35	5	19	11		41	117%	23	12		35	85%	100%	36.9
Wattle Dale, 140754	28	3	11	13	1	40	143%	11	16	3	30	75%	107%	37.9
Wurrook, 130149	16	5	3	8		19	119%	7	8		15	79%	94%	34.2
Total	346	56 16%	155 45%	132 38%	3 1%	428	124%	179 51%	162 46%	9 3%	350	82%	101%	36.4

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 35.

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. Persons should take particular care using raw data for genetic evaluation.

2016 Drop

Adjusted Sire Means Wool

Wool growth in Months			
Yearling	10	Adult3	12
Adult2	12	Adult3*	7
Adult4	12		

Breeders flock, Sire number	GFW (kg)					CFW (kg)					FD (µm)					FDCV (%)					SL (mm)					SS (Nktex)				
	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4	Y	A2	A3	A3*	A4
Bella Lana, 130296	2.8	7.8	9.0	3.9	4.9	2.0	4.7	4.6	2.2	3.1	16.3	19.5	19.2	18.8	18.6	18.5	16.2	16.2	18.2	19.8	84.6	121.2	108.2	66.8	100.6	33.2	28.9	25.4	24.1	22.0
Boyanga, 145112	2.7	7.2	8.3	3.4	4.7	1.9	4.6	4.8	2.0	3.2	16.0	18.9	18.8	17.7	17.6	18.2	15.5	15.8	18.2	19.4	90.3	120.7	112.1	66.0	107.3	29.0	36.2	26.2	27.7	17.9
Glen Donald, 120014	2.8	8.6	10.2	4.1	5.8	2.0	5.9	6.2	2.6	4.1	16.1	19.6	19.5	18.9	18.8	20.2	17.4	17.1	19.6	20.3	82.6	115.0	106.4	63.0	102.6	32.0	35.4	25.1	27.7	23.5
Greendale, 120012	3.0	8.7	9.7	4.1	5.7	2.0	5.3	5.6	2.4	3.6	15.0	17.9	17.7	17.2	17.1	19.3	16.4	15.4	18.5	19.8	82.4	114.8	115.7	68.2	102.3	35.1	38.3	27.8	28.9	21.7
Leahcim Poll, 090918	3.1	7.8	8.8	3.8	5.2	2.2	4.9	4.9	2.2	3.6	16.3	19.3	19.5	19.0	18.5	18.5	15.5	15.8	17.7	19.6	88.3	120.1	112.9	68.2	108.8	28.3	35.7	28.1	27.5	22.3
One Oak No. 2, R56	2.9	8.9	10.8	4.3	6.0	2.0	5.6	6.3	2.6	3.9	15.9	18.8	18.8	17.6	17.7	19.8	17.8	17.3	19.8	20.0	76.1	110.7	108.2	63.8	100.9	32.6	36.8	30.1	23.1	21.6
Pastora Poll, 082893	2.9	7.8	9.3	4.0	5.5	2.0	4.9	5.3	2.3	3.4	15.5	17.8	17.5	16.8	16.3	20.5	17.4	17.6	19.8	20.3	79.1	108.9	102.9	61.6	97.3	30.3	35.5	29.5	29.6	24.0
Poll Boonoke, 120020	3.0	8.3	9.9	3.9	5.8	2.1	5.5	6.0	2.4	3.9	15.7	19.0	19.0	17.9	18.5	19.9	17.1	16.9	20.0	19.6	83.6	114.7	113.1	66.3	108.5	29.7	34.1	27.3	24.5	23.7
Pooginook Poll, 140632	3.0	8.5	10.0	4.1	5.3	2.0	5.3	5.3	2.3	3.4	16.5	19.9	19.3	18.6	18.3	18.7	15.6	15.6	17.9	18.2	85.3	116.5	108.5	66.2	102.6	33.4	37.5	28.0	29.6	24.9
Roseville Park, 140611	3.0	8.3	9.6	4.0	5.6	2.0	5.1	5.3	2.3	3.5	15.4	18.0	17.8	17.2	16.8	19.3	16.1	15.9	17.7	18.7	75.3	111.0	104.5	62.3	101.1	30.6	36.6	27.9	25.6	25.7
Trigger Vale Poll, 140477	3.1	8.0	9.4	3.9	5.8	2.1	5.0	5.3	2.3	3.7	17.4	20.3	19.8	18.5	18.7	17.5	14.8	14.5	17.1	18.2	87.6	119.4	110.7	67.0	109.7	36.3	34.5	27.1	29.2	26.5
Wattle Dale, 140754	3.0	8.4	10.0	4.4	5.8	2.1	5.3	5.5	2.5	3.7	15.5	18.1	17.6	17.6	17.0	19.6	16.2	16.0	18.0	20.3	81.6	115.8	102.1	63.2	97.6	32.6	36.4	25.3	27.1	23.1
Wurrook, 130149	2.9	8.2	9.9	3.9	5.4	2.0	5.3	6.0	2.3	3.6	15.4	17.8	17.5	16.7	16.4	20.7	17.9	16.2	18.7	19.7	74.3	107.9	104.4	61.1	95.8	36.3	36.4	30.8	27.7	19.6
Average	2.9	8.2	9.6	4.0	5.5	2.0	5.2	5.5	2.3	3.6	15.9	18.9	18.7	17.9	17.7	19.2	16.4	16.1	18.5	19.5	82.4	115.3	108.5	64.9	102.8	32.2	35.5	27.6	27.1	22.9

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

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

*Changeover to an October shearing (previously March) resulted in a second Adult3 assessment.

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.

2016 Drop

Adjusted Sire Means

Weight and Carcase

Breeders flock, Sire number	WT (kg)							EMD (mm)				FAT (mm)				CS			
	W	P	Y	H	A2	A3	A4	H	A2	A3	A4	H	A2	A3	A4	H	A2	A3	A4
Bella Lana, 130296	30.2	34.8	37.4	49.2	63.7	78.3	72.0	25.7	28.0	30.6	29.4	3.0	4.2	6.5	5.0	3.3	3.7	3.6	3.4
Boyanga, 145112	29.0	33.5	36.8	47.3	62.4	77.8	69.6	24.0	27.5	29.1	27.5	4.0	5.6	8.9	5.5	3.4	3.6	3.7	3.4
Glen Donald, 120014	30.1	35.1	36.3	47.6	63.5	78.9	71.8	22.5	24.9	27.5	26.0	2.6	3.8	6.1	4.0	3.3	3.4	3.4	3.0
Greendale, 120012	29.1	33.6	35.9	47.9	62.4	77.8	70.2	23.6	25.9	28.3	26.4	3.0	3.9	6.2	4.9	3.5	3.6	3.7	3.4
Leahcim Poll, 090918	32.1	37.6	40.0	51.3	67.6	82.5	76.5	24.2	27.3	30.4	28.7	3.1	4.8	7.6	5.6	3.6	3.7	3.6	3.5
One Oak No. 2, R56	30.8	34.4	37.7	48.8	63.6	81.6	73.3	23.4	25.6	28.7	27.9	2.7	3.6	6.7	4.6	3.4	3.7	3.6	3.2
Pastora Poll, 082893	28.9	33.1	34.6	45.4	59.7	74.8	68.6	23.1	26.4	28.9	27.5	2.2	3.7	5.8	4.2	3.2	3.6	3.6	3.3
Poll Boonoke, 120020	29.6	34.0	36.3	47.6	62.1	77.8	70.8	24.1	26.8	30.3	29.0	2.7	3.6	6.3	4.9	3.5	3.7	3.7	3.4
Pooginook Poll, 140632	30.1	35.0	37.2	49.1	63.5	79.8	73.3	24.0	26.7	30.0	28.8	2.8	4.0	7.1	5.0	3.4	3.6	3.5	3.4
Roseville Park, 140611	30.2	32.7	35.7	47.0	59.3	75.7	68.9	23.7	25.5	28.0	26.7	2.9	3.9	6.9	5.3	3.1	3.5	3.5	3.2
Trigger Vale Poll, 140477	33.0	38.3	41.7	53.8	68.4	85.5	79.1	25.3	26.7	29.3	28.2	3.7	5.1	7.9	5.5	3.7	3.9	3.7	3.6
Wattle Dale, 140754	30.3	33.5	36.5	47.0	61.8	79.6	73.9	23.4	25.1	27.6	27.2	2.6	3.7	7.1	5.4	3.4	3.6	3.5	3.5
Wurrook, 130149	29.5	32.4	34.7	44.9	57.8	72.2	68.1	22.2	24.1	26.2	25.1	2.7	3.2	5.8	4.2	3.1	3.3	3.2	3.0
Average	30.2	34.5	37.0	48.2	62.7	78.6	72.1	23.8	26.2	28.8	27.5	2.9	4.1	6.8	4.9	3.4	3.6	3.6	3.3

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

2016 Drop

Adjusted Sire Means

Classer's Visual Grade – F1 Ewes

Classer: Ben Patrick

Breeders flock, Sire number	Progeny No [^]	TOPS (%)					CULLS (%)				
		H	A2	A3	A3*	A4	H	A2	A3	A3*	A4
Bella Lana, 130296	28	-13	-12	-21	-3	-12	-4	-6	18	3	11
Boyanga, 145112	32	-12	-12	-18	-14	-18	-1	9	14	20	4
Glen Donald, 120014	18	15	16	20	-13	23	12	1	-14	9	-1
Greendale, 120012	15	3	2	13	16	23	-15	-10	-16	-24	-13
Leahcim Poll, 090918	20	12	-8	-13	18	-4	-9	-3	3	-6	1
One Oak No. 2, R56	33	20	32	40	19	12	-4	-3	-16	-7	-15
Pastora Poll, 082893	28	-13	-12	-2	1	-15	-7	-3	9	6	5
Poll Boonoke, 120020	29	-4	-3	14	12	7	-5	-2	-1	11	-16
Pooginook Poll, 140632	25	2	3	-10	4	-15	0	-7	5	-7	-7
Roseville Park, 140611	13	-17	-7	-8	-12	2	8	10	-1	-8	7
Trigger Vale Poll, 140477	32	-6	-4	-14	-4	-5	-7	-1	2	-6	1
Wattle Dale, 140754	18	11	22	4	-10	7	5	-1	4	-4	16
Wurrook, 130149	14	-1	-16	-5	-14	-6	27	17	-7	12	7
Average	23	17	20	22	19	20	14	9	21	26	26

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

***Changeover to an October shearing (previously March) resulted in a second Adult3 assessment.**

***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 27 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.

2016 Drop

Within-Site and Within-Drop Flock Breeding Values

Wool

Breeders flock, Sire number	Progeny No [^]	YGFW (%)	AGFW (%)	YCFW (%)	ACFW (%)	YFD (μm)	AFD (μm)	YFDCV (%)	AFDCV (%)	YSL (mm)	ASL (mm)	YSS (Nktex)	ASS (Nktex)
Bella Lana, 130296	62	-3	-6	-6	-13	0.6	1.1	-1.2	-0.5	4.0	7.3	2.3	-5.5
Boyanga, 145112	68	-16	-19	-14	-19	0.0	-0.2	-1.5	-0.9	13.3	9.8	-5.5	-3.1
Glen Donald, 120014	33	3	10	10	19	0.6	1.4	2.1	1.6	-0.5	1.3	-1.5	-1.0
Greendale, 120012	37	5	3	-1	-1	-1.8	-1.7	-0.1	-0.2	-1.4	-0.2	2.5	2.4
Leahcim Poll, 090918	61	1	-11	8	-9	0.9	1.1	-1.3	-1.3	10.5	10.2	-2.0	1.4
One Oak No. 2, R56	65	0	13	-1	15	-0.2	-0.3	1.3	1.7	-11.3	-8.4	0.3	1.2
Pastora Poll, 082893	59	0	-1	-4	-3	-1.0	-1.9	1.7	1.5	-5.5	-9.3	-3.9	-2.6
Poll Boonoke, 120020	51	4	3	7	9	-0.5	0.4	1.6	1.1	0.0	-0.2	-4.5	-4.3
Pooginook Poll, 140632	64	3	3	0	0	1.1	1.4	-0.6	-1.1	5.0	4.3	1.9	3.6
Roseville Park, 140611	44	-2	1	-5	-1	-1.0	-1.1	0.0	-0.2	-11.3	-8.9	-1.1	0.9
Trigger Vale Poll, 140477	68	2	-2	1	-2	2.9	2.4	-3.5	-2.6	9.6	6.5	6.6	2.4
Wattle Dale, 140754	49	4	4	4	0	-1.0	-1.4	-0.2	-0.6	-1.4	0.8	3.2	4.2
Wurrook, 130149	45	-1	2	0	6	-0.7	-1.4	1.6	1.6	-11.1	-13.2	1.7	0.4

Weight, Carcase and WEC

Breeders flock, Sire number	Progeny No [^]	WWT (kg)	PWT (kg)	YWT (kg)	HWT (kg)	AWT (kg)	HEMD (mm)	HFAT (mm)	PWEC (%)
Bella Lana, 130296	62	0.6	0.6	0.9	3.3	2.8	2.4	0.4	-32
Boyanga, 145112	68	-0.9	-1.2	0.3	-1.3	-1.9	1.3	5.1	-3
Glen Donald, 120014	33	-0.3	-0.1	-1.0	-0.4	0.2	-1.3	-1.4	-25
Greendale, 120012	37	-1.6	-2.2	-2.2	-1.9	-2.6	-1.1	-0.3	-21
Leahcim Poll, 090918	61	1.6	3.2	4.6	3.0	1.7	-0.1	0.7	-3
One Oak No. 2, R56	65	0.5	1.1	0.0	-1.2	0.0	-1.1	-1.9	60
Pastora Poll, 082893	59	0.0	-1.3	-2.7	-1.8	-0.5	0.0	-2.7	-22
Poll Boonoke, 120020	51	-1.1	-1.7	-1.8	-3.2	-2.3	0.5	-1.8	-4
Pooginook Poll, 140632	64	0.0	0.5	1.0	2.8	2.7	0.3	-0.2	69
Roseville Park, 140611	44	-0.4	-1.8	-2.0	-0.8	-1.2	-0.2	-0.5	12
Trigger Vale Poll, 140477	68	2.8	6.1	8.7	9.5	7.5	1.4	4.0	-25
Wattle Dale, 140754	49	-0.3	-1.3	-2.2	-3.0	-1.9	-0.4	-0.7	24
Wurrook, 130149	45	-0.7	-1.9	-3.6	-5.0	-4.4	-1.7	-0.6	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); 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.

2016 Drop

Within-Site and Within-Drop Research Breeding Values Reproduction

Breeders flock, Sire number	Across-Year Results				
	Ewes joined ¹	Conception	Litter Size	Ewe Rearing Ability	Number Lambs Weaned
Bella Lana, 130296	29	0.10	-0.01	-0.05	4
Boyanga, 145112	37	-0.01	0.06	0.04	9
Glen Donald, 120014	19	-0.04	0.10	0.02	4
Greendale, 120012	20	0.00	-0.07	0.03	0
Leahcim Poll, 090918	27	0.07	0.02	-0.06	0
One Oak No. 2, R56	36	-0.04	0.06	0.04	6
Pastora Poll, 082893	28	-0.01	-0.08	0.01	-5
Poll Boonoke, 120020	29	-0.12	0.02	0.07	-3
Pooginook Poll, 140632	26	0.09	0.04	0.01	15
Roseville Park, 140611	16	-0.02	-0.08	-0.04	-14
Trigger Vale Poll, 140477	35	-0.06	-0.13	0.06	-7
Wattle Dale, 140754	28	0.07	0.06	-0.11	-5
Wurrook, 130149	16	-0.03	0.01	-0.03	-6

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 (2018-2020).
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
Bella Lana, 130296	92	78	75	84
Boyanga, 145112	93	76	78	76
Glen Donald, 120014	118	118	109	123
Greendale, 120012	106	123	129	109
Leahcim Poll, 090918	93	89	80	96
One Oak No. 2, R56	129	124	118	118
Pastora Poll, 082893	87	94	107	91
Poll Boonoke, 120020	105	99	97	104
Pooginook Poll, 140632	129	116	97	114
Roseville Park, 140611	70	87	98	87
Trigger Vale Poll, 140477	89	78	74	94
Wattle Dale, 140754	100	113	120	104
Wurrook, 130149	90	105	115	99

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.

MerinoLink Site Committee

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

Rich Keniry	Eurimbla
Lexi Cesnik	Gumly Gumly
Craig Wilson	Wagga Wagga
Mark Mortimer	Tullamore
Rick Baldwin	Young
Mal Peake	Yass
John Sutherland	Jerilderie

Marty Moses	Temora
Simon Coddington	Young
Adele Offley	Young
Will Clark-Dickson	Young
Andrew Bouffler	Lockhart
Greg Sheather	Bookham
Jim Meckiff	Wagga Wagga

Updates

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

This reported is complemented by a sire evaluation site report that is published at the completion of the yearling and the first adult assessment stages.



For the latest information, or to subscribe to email updates visit
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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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