MLP
Merino Lifetime Productivity Project

The Federation of Performance Sheep Breeders Western Australia (Inc)

Murdoch University

The University of Western Australia

MLP 2016 and 2017 Drops

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

Australian Merino Sire Evaluation Association
MERINO Superior Sires

AWI
Australian Wool Innovation Limited

July 2021

- 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.

PLEASE READ THE DISCLAIMERS ON EACH PAGE BEFORE USING RESULTS

Early interpretation of small data sets is not scientifically robust, especially for reproduction traits.

FOR REGULAR UPDATES AND REPORTS VISIT
www.merinosuperiorsires.com.au

Contents

Understanding the Results	3
MERINOSELECT Indexes – A guide from Sheep Genetics	4
2017 Drop	
Sire and Contact Details	5
Raw Data	
Birth and Rear Type / Counts	6
Wool	7
Weights	8
Carcase Measurements and Condition Scores	9
Visual Scores – Breech and Conformation	10
Visual Scores – Wool Quality	11
Professional Classer Grade	12
Reproduction	13-14
Adjusted Sire Means	
Wool	15
Weight and Carcase	16
Classer's Visual Grade	17
Within-Site and Within-Drop Flock Breeding Values	
Wool	18
Weight and Carcase	18
Reproduction	19
Indexes	19
2016 Drop	
Sire and Contact Details	20
Raw Data	
Birth and Rear Type / Counts	21
Wool	22
Weights	23
Carcase Measurements and Condition Scores	24
Visual Scores – Breech and Conformation	25
Visual Scores – Wool Quality	26
Professional Classer Grade	27
Reproduction	28-30
Adjusted Sire Means	
Wool	31
Weight and Carcase	32
Classer's Visual Grade	33
Within-Site and Within-Drop Flock Breeding Values	
Wool	34
Weight, Carcase and WEC	34
Reproduction	35
Indexes	35

Foundation Ewe Base

The ewe base is described as a large framed, plain bodied, highly fertile animal with a moderate wool cut. Over the past five years there has been a large emphasis on genetic fat, growth and muscling while trying to maintain wool cut and micron. The 'Ridgefield' flock is stocked at 10DSE/ha and averages 5kg of 19um wool and produces weaning percentages between 100-115%.

Ewes for the project were selected from four age groups from the 'Ridgefield' commercial and Maternal Efficiency Flocks.

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:	The sheep are to be easy care based on, and because of, good conformation and constitution. Medium to large frame. Bright white stylish wool free from colour and water faults. Wool cut to be sufficient to balance wool production with body size to ensure both add real value to the bottom line.
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	H = Hogget	- 400 to 540 days
	W = Weaning	- 42 to 120 days	A2 = Adult	- 1.5 to 2.5 years
	E = Early Post Weaning	- 120 to 210 days	A3 = Adult	- 2.5 to 3.5 years
	P = Post Weaning	- 210 to 300 days	A4 = Adult	- 3.5 to 4.5 years
	Y = Yearling	- 300 to 400 days	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 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 ewes 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 Classer 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 *Research Breeding Values:* 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.	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 *Further traits are reported in AMSEA Site Reports available via merinosuperiorsires.com.au*.
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 it's 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
Anderson Poll, 140474 609147-2014-140474	**Lynley Anderson** **Kojonup WA** M: 0429 32 8055, E: info@andersonrams.com.au	609147-2012-120103 (Anderson Poll, 120103)	PP	
Barloo Poll, 140027 (Eureka) 601370-2014-140027	**Richard House** **Gnowangerup WA** P: (08) 9827 1565, M: 0428 271565, E: barloostud@bigpond.com	Unknown	PH	
Billandri Poll, 151280 600571-2015-151280	**Bill Sandilands** **Kendenup WA** P: (08) 9851 4030, M: 0427 514030, E: billandri@iinet.net.au	600571-2012-121423 (Billandri Poll, 121423)	PP	
Coromandel Poll, 130660 600553-2013-130660	**Michael Campbell** **Boxwood Hill WA** P: (08) 9836 6044, M: 0428 366044, E: coromandel6@gmail.com	600455-2010-101268 (Manunda No.2 Poll, 101268)	PP	
Cranmore, 132051 500153-2013-132051	**Kristin Lefroy** **Moora WA** P: (08) 9654 9066, M: 0418 925760, E: kristinlefroy@cranmore.com.au	Unknown	HH	
Edale, 10Z266K 504358-2010-0Z266K	**Philip Gardiner** **Moora WA** P: (08) 9651 1700, M: 0408 915916, E: edale@wn.com.au	504358-2007-71STBS (Edale, 71STBS)	HH	
Ingle Poll, 150087 609154-2015-150087	**Ashley Hobbs** **Brookton WA** P: (08) 9642 1379, M: 0429 421379, E: ingle@wn.com.au	609154-2011-110037 (Ingle Poll, 110037)	PH	
Mianelup Poll, M00540 (Expo) 601394-2014-140540	**Elliot Richardson** **Gnowangerup WA** M: 0429 110252, E: richardson_elliot@hotmail.com	600105-2011-111122 (Collinsville Poll, 111122)	PH	
Moojepin, 120652 504637-2012-120652	**Chad Taylor** **Wellington NSW** P: (02) 6845 3620, M: 0458 453608, E: chad@mumblebone.com.au	504637-2010-100248 (Moojepin, 100248)	PH	
Moorundie Poll, NE73 601502-2015-150073	**Peter Wallis** **Pinnaroo SA** P: (08) 8576 6141, M: 0428 766126, E: peter@glenleaparkmerinos.com.au	601502-2011-110020 (Moorundie Poll, 110020)	PP	
Neearra Poll, 110264 609152-2011-110264	**Craig Morgan** **Three Springs WA** P: (08) 9955 2001, M: 0429 377991, E: morgancj1@bordernet.com.au	609152-2007-070571 (Neearra Poll, 070571)	PH	
Rangeview Poll, 5-680 600636-2015-150680	**Jeremy King** **Darkan WA** P: (08) 9736 1086, M: 0429 361520, E: rangeview@bordernet.com.au	600553-2014-140047 (Coromandel Poll, 140047)	PH	
Trigger Vale Poll, 140477 609251-2014-140477	**Andrew and Mandi Bouffler** **Lockhart NSW** P: (02) 6920 7656, M: 0427 207656, E: info@triggervalesheepstuds.com.au	609251-2011-110511 (Trigger Vale Poll, 110511)	PP	Link
West Plains Poll, 110004 (Mercenary) 601236-2011-110004	**Drew Chapman** **Delegate NSW** P: (02) 6458 8129, M: 0428 823533, E: laura.chapman1@bigpond.com	501341-2009-090089 (Hinesville, 090089)	PH	Link
Woodyarrup, 150329 500412-2015-150329	**Craig and Lachlan Dewar** **Broomehill WA** P: (08) 9824 1257, M: 0429 100239, E: craig@woodyarrup.com.au	500412-2012-121191 (Woodyarrup, 121191)	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.

Raw Data

Birth and Rear Type – F1 Ewes

Breeders flock, Sire number	Birth Type (Scanning) Single	Twin	Rear Type (Weaning) Single	Twin
Anderson Poll, 140474	21	19	25	15
Barloo Poll, 140027 (Eureka)	15	28	22	21
Billandri Poll, 151280	13	28	19	22
Coromandel Poll, 130660	10	33	20	23
Cranmore, 132051	10	25	16	19
Edale, 10Z266K	14	37	20	31
Ingle Poll, 150087	10	28	19	19
Mianelup Poll, M00540 (Expo)	11	38	15	34
Moojepin, 120652	15	27	20	22
Moorundie Poll, NE73	10	17	12	15
Neearra Poll, 110264	16	31	23	24
Rangeview Poll, 5-680	9	17	15	11
Trigger Vale Poll, 140477	11	44	19	36
West Plains Poll, 110004 (Mercenary)	13	15	16	12
Woodyarrup, 150329	13	27	21	19
Total	**191**	**414**	**282**	**323**
	32%	***68%***	***47%***	***53%***

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

Raw Data

Counts – F1 Ewes

Marking 18/07/17	Weaning 28/09/17	Post Weaning Classing 06/03/18	Hogget Classing 27/11/18	Adult2 Classing 28/11/19	Adult3 Classing 18/11/20	Survival Rate from Marking %
41	40	39	39	37	35	85%
43	43	41	41	41	41	95%
41	41	39	36	34	34	83%
43	43	41	41	39	37	86%
35	35	33	33	31	30	86%
51	51	45	45	41	40	78%
38	38	38	38	38	38	100%
49	49	45	45	42	40	82%
42	42	42	42	42	42	100%
28	27	26	26	24	23	82%
47	47	45	45	43	42	89%
27	26	24	24	24	23	85%
55	55	52	51	49	49	89%
28	28	26	26	25	25	89%
40	40	37	37	35	34	85%
41	**40**	**38**	**38**	**36**	**36**	***88%***
608	***605***	***573***	***569***	***545***	***533***	

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

Revised pedigree results have slightly changed sire progeny numbers from those previously reported.

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	
Post Weaning	9.5
Hogget	7.5
Adult2	12
Adult3	12

	GFW (kg)				CFW (kg)				FD (µm)				FDCV (%)				SL (mm)				SS (Nktex)			
Breeders flock, Sire number	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**
Anderson Poll, 140474	3.2	3.7	5.6	5.3	2.2	2.7	3.8	3.8	17.0	19.1	18.3	18.8	19.3	17.1	17.9	17.1	92.3	80.2	105.9	110.0	26.0	36.2	21.4	27.4
Barloo Poll, 140027 (Eureka)	3.2	3.9	5.9	5.7	2.2	2.8	4.1	4.1	16.8	19.1	18.6	19.4	20.6	17.6	18.8	17.6	89.2	78.9	100.8	106.5	27.3	37.0	24.2	32.7
Billandri Poll, 151280	3.3	4.0	5.9	5.7	2.2	2.8	3.9	4.0	16.0	18.4	17.6	18.4	20.0	16.7	17.6	16.3	88.6	81.9	106.6	109.5	24.0	37.6	20.6	31.2
Coromandel Poll, 130660	3.2	3.9	5.7	5.6	2.1	2.8	3.9	3.9	16.9	19.0	18.1	18.5	19.8	16.8	17.6	16.5	84.2	78.5	100.7	106.8	26.4	39.6	21.6	29.7
Cranmore, 132051	3.3	3.9	5.4	5.3	2.0	2.7	3.5	3.5	17.0	19.3	18.4	18.8	19.2	15.8	16.3	15.7	85.8	76.6	104.2	106.6	27.8	41.0	24.2	30.6
Edale, 10Z266K	3.3	4.0	6.0	5.8	2.1	2.9	4.0	4.2	16.5	18.8	18.1	18.9	21.1	17.7	18.0	17.2	82.3	77.4	101.7	109.1	23.0	39.0	25.3	30.6
Ingle Poll, 150087	3.0	3.7	5.4	5.1	1.9	2.6	3.4	3.6	16.8	18.9	18.1	18.5	18.4	15.6	16.4	15.8	87.0	81.2	104.8	109.6	32.4	43.9	28.2	35.1
Mianelup Poll, M00540 (Expo)	3.2	4.0	5.7	5.6	2.1	2.8	3.8	3.9	17.3	19.5	18.5	19.2	20.5	18.0	19.3	18.5	87.0	77.6	103.6	108.4	26.7	35.0	23.1	27.2
Moojepin, 120652	3.0	3.3	5.0	4.8	2.0	2.4	3.3	3.4	17.0	18.8	17.9	18.4	18.9	15.8	17.5	16.8	98.1	87.0	110.3	116.4	24.1	34.1	19.4	26.1
Moorundie Poll, NE73	3.5	4.1	6.0	5.8	2.3	3.0	4.1	4.3	16.4	18.9	17.9	18.8	21.2	18.2	19.3	17.4	89.6	82.0	104.3	113.9	23.3	33.4	19.7	25.8
Neearra Poll, 110264	3.1	3.4	5.0	4.7	2.0	2.4	3.2	3.2	16.7	18.7	17.7	18.0	18.9	16.6	17.5	15.8	87.0	75.8	100.9	104.9	25.3	29.4	22.2	27.5
Rangeview Poll, 5-680	3.4	3.9	5.7	5.8	2.2	2.8	3.8	4.0	16.1	18.1	17.5	18.3	20.0	16.4	17.5	16.6	84.5	80.0	99.6	107.1	25.2	37.8	24.6	30.8
Trigger Vale Poll, 140477	2.9	3.6	5.3	5.2	1.9	2.6	3.5	3.7	17.7	19.7	18.6	19.4	18.4	15.6	16.5	16.2	89.7	78.7	105.7	108.7	28.0	37.0	23.4	30.8
West Plains Poll, 110004 (Mercenary)	3.1	3.8	5.5	5.8	2.1	2.8	3.8	4.2	16.6	18.8	17.8	19.1	20.9	17.5	19.4	18.1	90.3	80.6	101.2	109.7	26.6	35.7	18.3	27.4
Woodyarrup, 150329	3.4	3.9	5.8	5.8	2.3	2.9	4.1	4.3	17.0	19.3	18.5	19.0	18.6	15.6	16.7	15.9	93.5	83.1	108.5	111.9	32.3	42.2	27.4	32.4
Average	**3.2**	**3.8**	**5.6**	**5.5**	**2.1**	**2.7**	**3.7**	**3.9**	**16.8**	**19.0**	**18.1**	**18.8**	**19.7**	**16.7**	**17.8**	**16.8**	**88.6**	**80.0**	**103.9**	**109.3**	**26.6**	**37.3**	**22.9**	**29.7**

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.

Raw Data

Weights – F1 Ewes

Breeders Flock, Sire Number	Weaning 28/09/17 (kg)	Post Weaning 30/01/18 (kg)	Yearling 30/04/18 (kg)	*Weight Gain Weaning to Yearling (kg)*	Adult2 Pre Joining 30/01/19 (kg)	*Weight Gain Weaning to Joining (kg)*	Adult3 Pre Joining 30/01/20 (kg)	Adult4 Pre Joining 28/01/21 (kg)
Anderson Poll, 140474	28.8	33.5	41.8	13.0	55.3	26.5	57.9	62.6
Barloo Poll, 140027 (Eureka)	28.9	31.7	40.3	11.4	55.2	26.3	57.1	62.2
Billandri Poll, 151280	27.1	30.6	40.2	13.1	54.0	26.9	56.1	61.7
Coromandel Poll, 130660	29.0	34.2	43.7	14.7	56.9	27.9	60.5	67.9
Cranmore, 132051	28.2	32.4	42.7	14.5	55.7	27.5	56.9	63.3
Edale, 10Z266K	27.8	31.3	40.6	12.8	53.6	25.8	56.2	62.3
Ingle Poll, 150087	29.0	32.9	42.8	13.8	58.3	29.3	60.4	64.8
Mianelup Poll, M00540 (Expo)	28.8	33.7	43.9	15.1	60.2	31.4	62.8	68.1
Moojepin, 120652	28.0	32.7	43.1	15.1	55.6	27.6	58.1	63.0
Moorundie Poll, NE73	29.2	33.7	42.0	12.8	56.3	27.1	58.8	63.1
Neearra Poll, 110264	27.8	31.4	42.4	14.6	55.7	27.9	59.7	64.5
Rangeview Poll, 5-680	29.8	32.1	39.6	9.8	55.0	25.2	57.6	66.0
Trigger Vale Poll, 140477	28.2	33.9	43.8	15.6	58.9	30.7	60.3	66.5
West Plains Poll, 110004 (Mercenary)	28.3	31.3	39.8	11.5	55.1	26.8	56.2	64.0
Woodyarrup, 150329	28.4	32.3	40.7	12.3	54.6	26.2	56.7	63.9
Average	**28.5**	**32.5**	**41.8**	**13.3**	**56.0**	**27.5**	**58.4**	**64.3**

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.

Raw Data

Carcase Measurements and Condition Scores – F1 Ewes

	EMD (mm)				FAT (mm)				Condition Scores			
Breeders flock, Sire number	Yearling 30/04/18	Adult2 Pre Joining 30/01/19	Adult3 Pre Joining 30/01/20	Adult4 Pre Joining 28/01/21	Yearling 30/04/18	Adult2 Pre Joining 30/01/19	Adult3 Pre Joining 30/01/20	Adult4 Pre Joining 28/01/21	Yearling 30/04/18	Adult2 Pre Joining 30/01/19	Adult3 Pre Joining 30/01/20	Adult4 Pre Joining 28/01/21
Anderson Poll, 140474	23.5	25.6	25.1	26.2	2.0	2.1	3.3	3.5	3.2	3.3	2.9	3.0
Barloo Poll, 140027 (Eureka)	21.3	23.6	23.0	23.8	1.6	1.8	2.5	2.8	2.9	3.1	2.6	2.7
Billandri Poll, 151280	21.6	24.0	22.9	25.0	1.6	1.8	2.4	2.9	3.1	3.2	2.6	2.8
Coromandel Poll, 130660	22.8	24.6	24.1	25.5	1.9	1.9	2.7	3.4	3.0	3.1	2.7	2.9
Cranmore, 132051	22.2	23.8	23.0	24.3	1.7	1.8	2.3	2.9	3.0	3.1	2.5	2.6
Edale, 10Z266K	21.9	23.4	23.0	25.0	1.7	1.7	2.4	3.5	3.0	3.0	2.4	2.7
Ingle Poll, 150087	23.2	25.6	25.3	25.8	1.9	2.1	3.2	3.9	3.0	3.4	2.9	3.0
Mianelup Poll, M00540 (Expo)	22.4	25.1	23.9	25.4	1.8	1.9	2.6	3.2	3.0	3.2	2.7	2.8
Moojepin, 120652	23.3	26.2	26.0	27.1	2.0	2.2	3.6	3.9	3.1	3.4	3.1	3.2
Moorundie Poll, NE73	21.9	24.8	24.3	25.1	1.7	2.0	2.8	3.1	3.0	3.3	2.8	2.8
Neearra Poll, 110264	23.5	25.3	24.8	25.7	2.0	2.1	3.0	3.7	3.2	3.4	3.0	3.1
Rangeview Poll, 5-680	20.0	22.0	21.7	24.2	1.4	1.5	2.2	2.9	2.9	2.9	2.6	2.7
Trigger Vale Poll, 140477	23.4	25.4	24.6	26.0	2.0	2.2	3.2	3.7	3.2	3.4	3.0	3.1
West Plains Poll, 110004 (Mercenary)	20.8	23.0	22.7	24.2	1.5	1.7	2.5	3.0	3.0	3.0	2.5	2.7
Woodyarrup, 150329	21.8	23.7	23.0	24.5	1.6	1.7	2.5	3.1	3.0	3.0	2.5	2.6
Average	**22.2**	**24.4**	**23.8**	**25.2**	**1.8**	**1.9**	**2.7**	**3.3**	**3.0**	**3.2**	**2.7**	**2.8**

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.

Raw Data

Visual Scores – Breech and Conformation – F1 Ewes

	Breech											Conformation											
	BRWR				BCOV					DAG		BDWR				LEGS				FACE			
Breeders flock, Sire number	**M**	**Y**	**H**	**A3**	**M**	**Y**	**H**	**A2**	**A3**	**A2**	**A3**	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**	**P**	**H**	**A2**	**A3**
Anderson Poll, 140474	2.0	1.6	1.5	1.9	2.6	3.6	3.5	3.4	3.4	2.1	2.7	1.3	1.3	1.2	1.8	2.1	1.9	2.2	1.9	1.7	1.6	2.3	2.6
Barloo Poll, 140027 (Eureka)	2.1	2.0	1.7	2.1	3.0	3.6	3.8	3.8	4.2	2.5	3.2	1.5	1.4	1.3	2.2	2.3	1.7	2.1	1.8	1.4	1.5	2.4	2.6
Billandri Poll, 151280	2.2	1.9	1.8	2.4	2.8	3.9	3.8	4.1	4.4	2.4	3.1	1.5	1.3	1.1	1.9	2.6	2.4	2.4	2.1	1.7	1.7	2.5	2.8
Coromandel Poll, 130660	1.9	1.7	1.7	1.9	3.0	3.6	3.6	3.5	3.6	2.1	2.6	1.4	1.3	1.3	1.6	2.3	2.0	2.1	1.9	1.4	1.4	2.4	2.6
Cranmore, 132051	2.0	1.6	1.7	1.7	3.0	3.8	3.7	2.8	3.8	2.3	2.9	1.2	1.2	1.3	1.6	2.2	2.4	2.3	1.9	1.2	1.1	2.2	2.4
Edale, 10Z266K	2.3	2.1	1.8	2.5	2.8	3.8	3.7	3.7	3.8	2.2	3.1	1.8	1.5	1.4	2.4	2.3	2.1	2.2	2.0	1.6	1.6	2.5	2.7
Ingle Poll, 150087	2.1	1.8	1.8	2.1	2.7	3.5	3.4	3.0	3.4	1.9	2.4	1.6	1.4	1.2	1.9	2.3	2.5	2.4	2.0	1.5	1.4	2.1	2.4
Mianelup Poll, M00540 (Expo)	1.8	1.7	1.4	2.0	3.0	3.8	3.6	3.4	3.7	2.0	2.7	1.3	1.2	1.2	1.6	2.2	1.9	2.0	1.5	1.5	1.3	2.4	2.4
Moojepin, 120652	1.6	1.3	1.1	1.3	2.8	3.7	3.5	3.1	3.5	1.8	2.3	1.1	1.1	1.0	1.3	2.2	1.8	2.1	2.0	1.5	1.2	2.0	2.5
Moorundie Poll, NE73	2.0	1.6	1.6	2.1	2.8	3.8	3.8	3.5	3.7	2.3	2.7	1.4	1.5	1.1	1.8	2.3	2.2	2.1	2.1	1.8	1.5	2.4	2.4
Neearra Poll, 110264	2.1	1.5	1.5	1.5	2.9	3.9	3.7	3.6	3.6	2.2	2.7	1.2	1.1	1.3	1.5	2.3	2.4	2.4	2.1	1.5	1.5	2.4	2.6
Rangeview Poll, 5-680	2.3	2.4	1.8	2.6	3.0	4.0	3.8	4.3	4.1	2.2	3.0	1.8	1.6	1.2	2.3	2.6	2.2	2.2	1.8	1.8	1.9	2.5	2.8
Trigger Vale Poll, 140477	1.5	1.3	1.1	1.5	2.9	3.5	3.3	3.4	3.0	2.3	2.9	1.1	1.1	1.2	1.4	2.2	2.1	2.2	1.8	1.6	1.4	2.6	2.7
West Plains Poll, 110004 (Mercenary)	2.2	2.0	1.6	2.1	3.2	3.8	3.7	3.8	4.2	2.5	3.2	1.3	1.2	1.1	1.7	2.5	1.8	2.3	1.9	2.1	1.8	2.8	2.8
Woodyarrup, 150329	2.0	1.8	1.6	2.2	2.8	3.8	3.7	4.0	3.9	2.2	2.8	1.4	1.3	1.3	1.9	2.1	1.9	2.0	1.7	1.7	1.6	2.4	2.7
Average	**2.0**	**1.8**	**1.6**	**2.0**	**2.9**	**3.7**	**3.6**	**3.6**	**3.8**	**2.2**	**2.8**	**1.4**	**1.3**	**1.2**	**1.8**	**2.3**	**2.1**	**2.2**	**1.9**	**1.6**	**1.5**	**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.

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.

Raw Data

Visual Scores – Wool Quality – F1 Ewes

Breeders flock, Sire number	Wool Quality																	
	COL				FLROT				DUST				WEATH		CHAR			
	P	H	A2	A3	P	H	A2	A3	P	H	A2	A3	P	H	P	H	A2	A3
Anderson Poll, 140474	2.5	2.8	2.7	2.5	1.0	1.2	1.0	1.0	2.5	2.1	3.0	2.5	2.3	2.1	3.1	3.2	2.8	2.3
Barloo Poll, 140027 (Eureka)	2.7	2.8	2.7	2.3	1.0	1.1	1.0	1.0	2.6	1.9	2.9	2.3	2.5	2.1	3.0	2.5	2.6	2.0
Billandri Poll, 151280	2.8	2.9	2.7	2.4	1.0	1.4	1.0	1.0	2.7	2.0	3.0	2.4	2.6	2.5	3.2	2.9	2.9	2.2
Coromandel Poll, 130660	2.8	2.8	2.4	2.2	1.0	1.3	1.0	1.0	2.6	1.7	2.9	2.3	2.5	2.1	3.4	2.7	2.5	2.1
Cranmore, 132051	2.8	3.0	2.9	2.5	1.0	1.3	1.0	1.0	2.4	1.8	3.1	2.5	2.4	2.4	2.6	2.9	2.8	2.1
Edale, 10Z266K	2.6	2.7	2.6	2.2	1.0	1.4	1.0	1.0	2.5	1.8	3.0	2.4	2.3	1.9	3.0	2.9	2.7	2.0
Ingle Poll, 150087	2.7	2.8	2.8	2.2	1.0	1.3	1.0	1.0	2.5	2.1	3.0	2.5	2.2	2.2	3.2	3.5	3.3	2.4
Mianelup Poll, M00540 (Expo)	2.8	3.0	2.8	2.1	1.0	1.4	1.0	1.0	2.6	1.6	2.9	2.3	2.6	2.3	2.9	2.8	2.4	2.1
Moojepin, 120652	2.8	3.1	2.9	2.7	1.0	1.6	1.0	1.0	3.0	2.3	3.3	2.7	2.9	3.1	3.1	2.7	2.9	2.5
Moorundie Poll, NE73	2.7	2.6	2.5	1.9	1.0	1.3	1.0	1.0	2.4	1.7	2.7	2.1	2.5	2.1	3.1	2.8	2.4	1.7
Neearra Poll, 110264	3.0	3.2	3.0	2.5	1.0	1.3	1.0	1.0	2.9	2.4	3.3	2.6	2.8	2.8	3.0	3.0	3.1	2.2
Rangeview Poll, 5-680	2.6	2.6	2.6	2.2	1.0	1.4	1.0	1.0	2.4	1.6	2.9	2.4	2.5	2.1	3.0	2.5	2.4	2.1
Trigger Vale Poll, 140477	2.7	3.0	2.8	2.4	1.0	1.3	1.0	1.0	2.7	2.1	3.1	2.4	2.6	2.3	3.2	3.2	3.0	2.1
West Plains Poll, 110004 (Mercenary)	2.3	2.4	2.6	2.1	1.0	1.1	1.0	1.0	2.6	1.6	3.0	2.2	2.5	2.3	2.8	2.4	2.6	1.9
Woodyarrup, 150329	2.6	2.5	2.5	2.3	1.0	1.2	1.0	1.0	2.5	1.8	3.0	2.4	2.4	2.3	2.5	2.0	2.2	1.8
Average	**2.7**	**2.8**	**2.7**	**2.3**	**1.0**	**1.3**	**1.0**	**1.0**	**2.6**	**1.9**	**3.0**	**2.4**	**2.5**	**2.3**	**3.0**	**2.8**	**2.7**	**2.1**

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.

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.

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Nathan King **Results are ewe numbers as classed into each grade.**

Breeders flock, Sire number	Post Weaning 05/03/18					Hogget 27/11/18					Adult2 25/12/19					Adult3 18/11/20				
	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull	Top	First	Flock	Sale	Cull
Anderson Poll, 140474		4	24	7	3			31	4	4			27	8	1		1	17	13	4
Barloo Poll, 140027 (Eureka)	2	2	20	7	10	2	8	20	7	4	1	8	24	6	2		5	23	9	4
Billandri Poll, 151280		2	22	8	7		3	22	8	3		3	22	6	3	2	3	18	10	1
Coromandel Poll, 130660		2	15	18	5	2	8	25	5	1	3	5	27	4		4	3	25	3	2
Cranmore, 132051	2	2	15	10	4		3	17	11	2	1	1	18	11		1	1	8	16	4
Edale, 10Z266K		5	19	11	9		4	25	10	6		1	28	9	3		6	24	9	1
Ingle Poll, 150087		3	15	14	6		2	27	6	3		1	18	13	6			19	18	1
Mianelup Poll, M00540 (Expo)	3	6	16	14	4	2	4	28	7	4	3	6	26	6	1		3	26	9	2
Moojepin, 120652	1	4	17	12	7		3	28	8	3		3	28	8	3		3	16	14	9
Moorundie Poll, NE73	1	2	12	8	3	1	4	19	1	1		5	18	1			3	18	2	
Neearra Poll, 110264		2	16	7	18		2	24	10	8		2	21	13	7			24	12	6
Rangeview Poll, 5-680	1	4	11	4	4	5	4	12	1	2	2	5	15	2		2	4	15	1	1
Trigger Vale Poll, 140477		4	27	11	9	1	4	28	13	5	1	2	35	7	4		4	32	10	3
West Plains Poll, 110004 (Mercenary)	1	3	13	5	4	1	7	13	3	2	1	5	17	2		1	3	18	1	2
Woodyarrup, 150329	2	10	16	7	2	3	10	24			6	6	20	3	1	5	8	18	2	1
Total	**13**	**55**	**258**	**143**	**95**	**17**	**66**	**343**	**94**	**48**	**18**	**53**	**344**	**99**	**31**	**15**	**47**	**301**	**129**	**41**
	2%	***10%***	***46%***	***25%***	***17%***	***3%***	***12%***	***60%***	***17%***	***8%***	***3%***	***10%***	***63%***	***18%***	***6%***	***3%***	***9%***	***56%***	***24%***	***8%***

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.

Raw Data

Reproduction in 2020 – Adult3 Stage

12 rams were used in a syndicate and naturally joined to the F1 ewes on February 3, 2020 and removed on March 9, 2020.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 24/04/20						F2 Progeny Weaning - Lamb Numbers 29/09/20					
		Empty	Single	Twin	Triplets	Number Foetuses	Foetus Rate[1]	Single	Twin	Number Lambs	Survival[2]	Weaning Rate[3]	Kg lambs weaned/No. ewes joined[4]
Anderson Poll, 140474	36	2	16	17	1	53	147%	17	28	45	85%	125%	28.4
Barloo Poll, 140027 (Eureka)	41	2	30	9		48	117%	31	12	43	90%	105%	28.3
Billandri Poll, 151280	34	1	28	5		38	112%	28	8	36	95%	106%	30.2
Coromandel Poll, 130660	38	2	23	13		49	129%	25	18	43	88%	113%	28.9
Cranmore, 132051	31	1	16	14		44	142%	15	24	39	89%	126%	32.5
Edale, 10Z266K	41	1	33	7		47	115%	28	8	36	77%	88%	22.9
Ingle Poll, 150087	38	4	21	13		47	124%	26	14	40	85%	105%	29.0
Mianelup Poll, M00540 (Expo)	42	2	29	11		51	121%	29	16	45	88%	107%	28.9
Moojepin, 120652	42	5	24	13		50	119%	27	18	45	90%	107%	28.4
Moorundie Poll, NE73	24		22	2		26	108%	20	2	22	85%	92%	27.5
Neearra Poll, 110264	43	2	20	21		62	144%	25	28	53	85%	123%	29.7
Rangeview Poll, 5-680	24	4	16	4		24	100%	16	6	22	92%	92%	24.1
Trigger Vale Poll, 140477	49	2	41	6		53	108%	39	12	51	96%	104%	29.9
West Plains Poll, 110004 (Mercenary)	25	4	19	2		23	92%	20	2	22	96%	88%	23.6
Woodyarrup, 150329	35	1	20	14		48	137%	17	22	39	81%	111%	28.1
Total	**543**	**33** *6%*	**358** *66%*	**151** *28%*	**1** *0%*	**663**	**122%**	**363** *62%*	**218** *38%*	**581**	**88%**	**107%**	**28.2**

[1]Foetus rate is calculated by number of foetuses divided by ewes joined [2] Survival is calculated between foetuses scanned and lambs weaned. [3] Weaning rate is calculated by lambs weaned divided by ewes joined

[4] Kg 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

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.

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.

Raw Data

Reproduction in 2019 – Adult2 Stage (Maiden)

12 rams were used in a syndicate and naturally joined to the F1 ewes on January 31, 2019 and were removed on March 7, 2019.

		Pregnancy Scanning Count 29/04/19						F2 Progeny Weaning - Lamb Numbers 07/10/19					
Breeders flock, Sire number	Ewes Joined	Empty	Single	Twin	Triplets	Number Foetuses	Foetus Rate[1]	Single	Twin	Number Lambs	Survival[2]	Weaning Rate[3]	Kg lambs weaned/No. ewes joined[4]
Anderson Poll, 140474	39	2	17	19	1	58	149%	22	12	34	59%	87%	24.0
Barloo Poll, 140027 (Eureka)	41	4	30	7		44	107%	30	8	38	86%	93%	27.6
Billandri Poll, 151280	36	1	31	4		39	108%	28	6	34	87%	94%	27.5
Coromandel Poll, 130660	41	3	33	5		43	105%	25	8	33	77%	80%	23.3
Cranmore, 132051	33	2	15	16		47	142%	19	20	39	83%	118%	35.8
Edale, 10Z266K	45		40	5		50	111%	35	2	37	74%	82%	25.7
Ingle Poll, 150087	38		26	12		50	132%	26	12	38	76%	100%	29.1
Mianelup Poll, M00540 (Expo)	45	4	29	12		53	118%	31	14	45	85%	100%	29.5
Moojepin, 120652	42	4	25	13		51	121%	27	16	43	84%	102%	29.5
Moorundie Poll, NE73	25	3	19	3		25	100%	14	4	18	72%	72%	21.2
Neearra Poll, 110264	45	1	26	18		62	138%	21	24	45	73%	100%	27.9
Rangeview Poll, 5-680	24	3	17	4		25	104%	17	4	21	84%	88%	25.2
Trigger Vale Poll, 140477	51	1	40	10		60	118%	35	18	53	88%	104%	30.6
West Plains Poll, 110004 (Mercenary)	26	2	23	1		25	96%	20		20	80%	77%	23.3
Woodyarrup, 150329	37	3	19	15		49	132%	17	24	41	84%	111%	32.9
Total	**568**	**33** *6%*	**390** *69%*	**144** *25%*	**1** *0%*	**681**	**120%**	**367** *68%*	**172** *32%*	**539**	**79%**	**95%**	**27.8**

[1]Foetus rate is calculated by number of foetuses divided by ewes joined [2] Survival is calculated between foetuses scanned and lambs weaned. [3] Weaning rate is calculated by lambs weaned divided by ewes joined

[4] Kg 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

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.

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.

Adjusted Sire Means

Wool

Wool Growth in Months	
Post Weaning	9.5
Hogget	7.5
Adult2	12
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
Anderson Poll, 140474	3.2	3.6	5.6	5.2	2.2	2.6	3.8	3.8	17.0	19.0	18.2	18.7	19.3	17.1	17.9	17.2	91.9	80.0	105.7	109.5	25.8	35.8	20.9	27.4
Barloo Poll, 140027 (Eureka)	3.2	3.9	5.9	5.7	2.2	2.8	4.1	4.1	16.8	19.0	18.6	19.4	20.6	17.6	18.7	17.6	89.2	78.9	100.9	106.5	27.2	37.0	24.1	32.8
Billandri Poll, 151280	3.3	4.0	5.9	5.7	2.2	2.8	3.9	4.0	16.0	18.4	17.6	18.4	20.0	16.7	17.6	16.3	88.8	82.0	106.7	109.6	24.0	37.7	20.7	31.3
Coromandel Poll, 130660	3.2	3.9	5.7	5.6	2.1	2.8	3.9	4.0	16.9	19.0	18.2	18.6	19.8	16.7	17.6	16.4	84.2	78.7	100.8	107.0	26.6	39.6	21.9	30.0
Cranmore, 132051	3.3	3.9	5.4	5.3	2.0	2.7	3.5	3.5	17.0	19.2	18.4	18.8	19.3	15.9	16.4	15.8	86.0	76.6	104.2	106.7	27.8	41.1	24.0	29.9
Edale, 10Z266K	3.3	4.0	6.0	5.8	2.2	2.9	4.0	4.2	16.5	18.7	18.1	18.9	21.1	17.7	17.9	17.3	82.6	77.4	101.8	109.2	22.8	39.1	25.3	30.6
Ingle Poll, 150087	3.0	3.7	5.4	5.2	1.9	2.6	3.4	3.6	16.8	18.9	18.1	18.4	18.4	15.6	16.4	15.8	87.2	81.3	104.9	109.6	32.5	43.8	28.1	34.9
Mianelup Poll, M00540 (Expo)	3.3	4.0	5.7	5.6	2.1	2.8	3.8	3.9	17.3	19.5	18.6	19.3	20.5	18.0	19.2	18.5	87.3	77.7	103.7	108.7	26.6	35.4	23.5	27.3
Moojepin, 120652	3.0	3.3	5.0	4.8	2.0	2.4	3.3	3.3	17.0	18.9	17.9	18.4	18.9	15.7	17.5	16.8	97.9	87.0	110.2	116.3	24.1	34.1	19.3	26.2
Moorundie Poll, NE73	3.5	4.1	6.0	5.8	2.3	3.0	4.1	4.2	16.5	18.9	17.9	18.8	21.3	18.1	19.2	17.3	89.2	81.9	104.2	113.7	23.3	33.4	19.8	26.2
Neearra Poll, 110264	3.1	3.4	5.0	4.7	2.0	2.4	3.2	3.2	16.7	18.6	17.7	17.9	18.9	16.6	17.5	15.8	86.9	75.7	100.9	104.7	25.3	29.2	22.1	27.5
Rangeview Poll, 5-680	3.4	3.9	5.7	5.8	2.2	2.8	3.8	4.0	16.1	18.1	17.5	18.3	20.1	16.5	17.6	16.7	84.7	80.0	99.6	107.2	25.2	37.8	24.3	30.4
Trigger Vale Poll, 140477	3.0	3.6	5.4	5.3	1.9	2.6	3.6	3.7	17.7	19.7	18.6	19.5	18.4	15.6	16.6	16.2	89.6	78.7	105.5	108.7	28.0	37.2	23.6	30.6
West Plains Poll, 110004 (Mercenary)	3.1	3.8	5.5	5.8	2.1	2.8	3.8	4.2	16.6	18.9	17.8	19.1	20.8	17.5	19.3	18.0	90.0	80.6	101.1	109.6	26.6	35.6	18.3	27.7
Woodyarrup, 150329	3.4	3.9	5.8	5.8	2.3	2.9	4.1	4.3	16.9	19.3	18.5	19.0	18.6	15.6	16.7	15.8	93.4	83.1	108.6	111.9	32.4	42.0	27.4	32.5
Average	**3.2**	**3.8**	**5.6**	**5.5**	**2.1**	**2.7**	**3.7**	**3.9**	**16.8**	**19.0**	**18.1**	**18.8**	**19.7**	**16.7**	**17.8**	**16.8**	**88.6**	**80.0**	**103.9**	**109.3**	**26.6**	**37.3**	**22.9**	**29.7**

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) and dam age. Traits that are measured following each reproduction cycle **are** adjusted for the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs.

Adjusted Sire Means

Weight and Carcase

Breeders flock, Sire number	WT (kg)						EMD (mm)				FAT (mm)				Condition Scores			
	W	P	Y	A2	A3	A4	Y	A2	A3	A4	Y	A2	A3	A4	Y	A2	A3	A4
Anderson Poll, 140474	28.5	33.1	41.6	55.3	57.9	62.5	23.5	25.7	25.2	26.2	2.0	2.1	3.4	3.6	3.2	3.3	2.9	3.0
Barloo Poll, 140027 (Eureka)	28.8	31.8	40.3	55.2	57.1	62.2	21.3	23.7	23.0	23.8	1.7	1.8	2.5	2.9	2.9	3.1	2.6	2.7
Billandri Poll, 151280	27.1	30.6	40.2	54.0	56.1	61.7	21.6	24.0	22.9	25.0	1.6	1.8	2.4	2.9	3.1	3.2	2.6	2.8
Coromandel Poll, 130660	28.8	34.0	43.5	56.6	60.2	67.6	22.7	24.5	24.0	25.4	1.8	1.9	2.7	3.4	2.9	3.1	2.7	2.9
Cranmore, 132051	28.4	32.6	42.9	56.0	56.9	63.5	22.3	23.8	22.9	24.2	1.7	1.8	2.3	2.9	3.0	3.1	2.5	2.6
Edale, 10Z266K	28.1	31.6	40.7	53.8	56.3	62.5	22.0	23.4	23.0	25.1	1.7	1.7	2.4	3.5	3.0	3.0	2.4	2.7
Ingle Poll, 150087	28.9	32.9	42.8	58.3	60.4	64.8	23.1	25.6	25.3	25.8	1.9	2.1	3.2	3.8	3.0	3.4	2.9	3.0
Mianelup Poll, M00540 (Expo)	29.2	34.2	44.1	60.3	63.0	68.3	22.5	25.2	23.9	25.5	1.8	1.9	2.6	3.2	3.0	3.2	2.7	2.8
Moojepin, 120652	27.9	32.6	43.1	55.5	58.1	62.9	23.3	26.1	26.0	27.0	2.0	2.2	3.6	3.9	3.1	3.4	3.1	3.2
Moorundie Poll, NE73	29.3	33.5	41.9	56.2	58.7	62.9	21.9	24.7	24.3	25.1	1.7	2.0	2.8	3.1	3.0	3.3	2.8	2.8
Neearra Poll, 110264	27.7	31.5	42.3	55.7	59.7	64.5	23.5	25.3	24.8	25.8	2.0	2.1	3.1	3.7	3.2	3.4	3.0	3.1
Rangeview Poll, 5-680	29.5	31.9	39.8	54.9	57.5	66.0	20.1	22.0	21.7	24.1	1.5	1.5	2.2	2.9	2.9	2.9	2.6	2.7
Trigger Vale Poll, 140477	28.6	34.1	44.0	59.0	60.5	66.7	23.4	25.4	24.6	25.9	2.0	2.2	3.2	3.7	3.2	3.3	3.0	3.1
West Plains Poll, 110004 (Mercenary)	27.9	30.9	39.5	54.8	56.1	63.7	20.7	22.9	22.7	24.2	1.5	1.7	2.5	3.0	2.9	3.0	2.5	2.7
Woodyarrup, 150329	28.2	32.0	40.6	54.4	56.6	63.7	21.7	23.7	23.0	24.5	1.6	1.7	2.4	3.1	3.0	3.0	2.5	2.6
Average	**28.5**	**32.5**	**41.8**	**56.0**	**58.4**	**64.3**	**22.2**	**24.4**	**23.8**	**25.2**	**1.8**	**1.9**	**2.7**	**3.3**	**3.0**	**3.2**	**2.7**	**2.8**

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) and dam age. Traits that are measured following each reproduction cycle **are** adjusted for the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs.

Adjusted Sire Means

Classer's Visual Grade – F1 Ewes

Classer: Preston Clark (P & A2), Mitch Crosby (A3, A4)

Breeders flock, Sire number	Progeny No^	TOPS (%) P	TOPS (%) H	TOPS (%) A2	TOPS (%) A3	CULLS (%) P	CULLS (%) H	CULLS (%) A2	CULLS (%) A3
Anderson Poll, 140474	35	2	-9	-6	-7	-4	-6	4	-3
Barloo Poll, 140027 (Eureka)	41	-2	9	2	-1	-11	-2	-7	-5
Billandri Poll, 151280	34	-7	11	-12	-3	4	-3	1	1
Coromandel Poll, 130660	37	-5	14	18	12	3	-7	-8	-8
Cranmore, 132051	30	-2	-10	-14	-13	-1	11	4	13
Edale, 10Z266K	40	2	-14	-3	0	6	-5	12	-5
Ingle Poll, 150087	38	-2	-11	-17	2	-3	12	11	4
Mianelup Poll, M00540 (Expo)	40	-4	16	21	8	-5	3	-11	-7
Moojepin, 120652	42	-4	-21	-19	-13	13	1	5	7
Moorundie Poll, NE73	23	2	10	19	12	-14	-8	-9	-8
Neearra Poll, 110264	42	-7	-19	-16	-18	21	22	25	23
Rangeview Poll, 5-680	23	5	0	3	0	9	-2	-12	-8
Trigger Vale Poll, 140477	49	-5	-9	-13	-4	0	0	-3	8
West Plains Poll, 110004 (Mercenary)	25	5	2	10	-10	1	-7	-6	3
Woodyarrup, 150329	34	23	32	28	35	-18	-9	-8	-14
Average	**36**	**7**	**30**	**18**	**17**	**26**	**12**	**14**	**17**

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 Adjusted Sire Means were calculated using available data from 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) and dam age. Traits that are measured following each reproduction cycle **are** adjusted for the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs.

Within-Site and Within-Drop Flock Breeding Values

Wool

Breeders flock, Sire number	Progeny No^	PGFW (%)	AGFW (%)	PCFW (%)	ACFW (%)	PFD (µm)	AFD (µm)	PFDCV (%)	AFDCV (%)	PSL (mm)	ASL (mm)	PSS (Nktex)	ASS (Nktex)
Anderson Poll, 140474	77	0	-3	7	0	0.7	0.5	-0.4	0.3	6.2	3.9	-1.1	-1.7
Barloo Poll, 140027 (Eureka)	89	0	3	1	5	0.0	0.3	1.1	1.1	-3.5	-10.0	0.3	0.2
Billandri Poll, 151280	79	12	8	13	8	-1.2	-0.9	0.0	-0.5	2.2	4.5	-4.1	-1.3
Coromandel Poll, 130660	98	-3	3	-3	3	-0.1	-0.5	-0.2	0.1	-8.5	-7.3	-0.9	-1.8
Cranmore, 132051	77	5	1	-5	-4	0.5	0.3	-0.5	-1.9	-1.8	4.1	0.7	2.6
Edale, 10Z266K	98	7	11	7	12	-0.5	0.4	1.9	0.5	-10.1	-1.1	-6.0	3.0
Ingle Poll, 150087	86	-7	-2	-11	-7	-0.2	-0.4	-1.1	-2.0	-1.8	3.4	7.8	9.7
Mianelup Poll, M00540 (Expo)	94	-1	1	-2	0	0.8	0.8	0.8	2.3	0.4	-1.8	1.6	-0.6
Moojepin, 120652	88	-9	-10	-10	-11	0.1	-0.3	-0.5	0.0	17.9	16.4	-4.9	-4.7
Moorundie Poll, NE73	61	11	6	11	9	-0.7	-0.4	2.4	2.4	-1.7	-3.2	-2.8	-5.1
Neearra Poll, 110264	75	-8	-13	-17	-17	0.0	-0.6	-1.3	-1.3	-2.1	-2.9	-2.7	-2.8
Rangeview Poll, 5-680	65	5	1	5	1	-0.8	-0.5	1.0	-0.3	-7.0	-7.7	-0.6	1.2
Trigger Vale Poll, 140477	91	-13	-6	-14	-6	1.6	1.1	-2.5	-1.7	2.4	3.2	4.2	3.7
West Plains Poll, 110004 (Mercenary)	52	-5	-2	2	1	-0.3	-0.4	1.0	1.8	2.1	-3.9	0.2	-6.1
Woodyarrup, 150329	75	6	3	16	7	0.0	0.4	-1.5	-0.8	5.2	2.5	8.2	3.7

Weight and Carcase

Breeders flock, Sire number	Progeny No^	WWT (kg)	PWT (kg)	YWT (kg)	HWT (kg)	AWT (kg)	PEMD (mm)	YEMD (mm)	HEMD (mm)	PFAT (mm)	YFAT (mm)	HFAT (mm)
Anderson Poll, 140474	77	-0.4	1.4	-0.3	-0.4	-1.6	3.5	2.9	2.7	2.1	1.8	2.2
Barloo Poll, 140027 (Eureka)	89	-0.4	-1.8	-3.5	-4.1	-2.7	-0.6	-1.3	-1.5	-0.4	-0.8	-1.1
Billandri Poll, 151280	79	-0.7	-1.9	-1.4	-1.6	-1.2	0.0	-0.2	-0.3	-0.4	-0.7	-0.6
Coromandel Poll, 130660	98	1.7	3.9	4.4	4.3	3.2	-0.1	-0.1	-0.2	0.0	0.1	0.1
Cranmore, 132051	77	0.0	1.1	1.7	-1.4	0.2	-0.9	-1.0	-1.9	-0.7	-0.8	-2.2
Edale, 10Z266K	98	-0.8	-1.7	-2.6	-2.0	-2.6	0.0	0.0	0.2	-0.3	-0.1	-0.2
Ingle Poll, 150087	86	0.8	0.6	1.7	3.2	2.2	-0.1	0.7	1.2	-0.2	0.5	0.6
Mianelup Poll, M00540 (Expo)	94	0.8	0.8	3.2	5.2	4.1	-1.0	-0.6	-0.4	-0.2	-0.2	-0.3
Moojepin, 120652	88	-0.2	0.4	0.9	0.0	-0.7	0.1	1.5	1.9	0.3	1.6	2.1
Moorundie Poll, NE73	61	0.8	-0.6	-0.7	-1.7	-1.9	-0.6	-1.1	-1.3	-0.5	-1.0	-0.9
Neearra Poll, 110264	75	-0.7	-0.1	2.0	1.5	1.9	1.2	2.2	2.3	0.9	1.6	2.2
Rangeview Poll, 5-680	65	-0.6	-2.3	-3.9	-2.5	-1.7	-1.2	-1.8	-1.9	-1.0	-1.3	-1.5
Trigger Vale Poll, 140477	91	1.7	4.2	5.9	4.4	4.3	1.5	1.5	1.7	1.4	1.3	1.6
West Plains Poll, 110004 (Mercenary)	52	-0.8	-2.3	-4.1	-2.6	-2.0	-1.4	-1.8	-1.5	-1.0	-1.3	-1.1
Woodyarrup, 150329	75	-1.2	-1.9	-3.4	-2.3	-1.6	-0.4	-0.9	-1.0	-0.2	-0.8	-0.9

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); 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 Name	Ewes Joined[1]	Across Year Results			
		Conception	Litter Size	Ewe Rearing Ability	Number of Lambs Weaned
Anderson Poll, 140474	36	0.01	0.29	-0.09	7
Barloo Poll, 140027 (Eureka)	41	-0.01	-0.08	0.03	0
Billandri Poll, 151280	34	0.03	-0.15	0.05	0
Coromandel Poll, 130660	38	0.00	-0.05	-0.02	-11
Cranmore, 132051	31	0.02	0.20	0.03	24
Edale, 10Z266K	41	0.04	-0.15	-0.06	-18
Ingle Poll, 150087	38	0.01	0.07	-0.03	-1
Mianelup Poll, M00540 (Expo)	42	-0.01	-0.01	0.03	6
Moojepin, 120652	42	-0.04	0.06	0.04	8
Moorundie Poll, NE73	24	-0.01	-0.15	-0.03	-18
Neearra Poll, 110264	43	0.03	0.19	-0.04	8
Rangeview Poll, 5-680	24	-0.06	-0.06	0.02	-5
Trigger Vale Poll, 140477	49	0.03	-0.13	0.06	3
West Plains Poll, 110004 (Mercenary)	25	-0.05	-0.18	0.02	-12
Woodyarrup, 150329	35	0.01	0.14	-0.01	9

[1] This reports the number of F1 ewes joined and subsequently scanned at the latest reported stage.

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
Anderson Poll, 140474	126	100	97	103
Barloo Poll, 140027 (Eureka)	89	95	100	96
Billandri Poll, 151280	118	123	122	118
Coromandel Poll, 130660	91	99	99	103
Cranmore, 132051	146	131	120	117
Edale, 10Z266K	75	91	95	97
Ingle Poll, 150087	111	116	116	104
Mianelup Poll, M00540 (Expo)	105	102	90	107
Moojepin, 120652	104	84	84	85
Moorundie Poll, NE73	63	84	88	94
Neearra Poll, 110264	104	79	84	79
Rangeview Poll, 5-680	78	99	103	97
Trigger Vale Poll, 140477	111	92	92	94
West Plains Poll, 110004 (Mercenary)	54	76	84	84
Woodyarrup, 150329	126	130	126	122

Please note, <u>these indexes now include NLW</u> 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
Billandri Poll, 130641 600571-2013-130641	**Bill Sandilands** **Kendenup WA** P: (08) 9851 4030, M: 0427 514030, E: billandri@iinet.net.au	601250-2009-907538 (Centre Plus Poll, 907538)	PP	
Boolading Blues Poll, 120708 609039-2012-120708	**Lachlan Ewen** **Darkan WA** P: (08) 9736 1389, M: 0429 361389, E: derby.grove@westnet.com.au	609039-2008-080570 (Boolading Blues Poll, 080570)	PP	
Claypans Poll, 130597 600827-2013-130597	**Steven Bolt** **Corrigin WA** M: 0427 652043, E: steven_bolt@hotmail.com	600827-2010-100754 (Claypans Poll, 100754)	PH	
East Mundulla, 090137 (Jonty) East Mundulla, 090137 (Jonty)	**Daniel Gooding** **Lake Grace WA** P: (08) 9864 9333, M: 0429 138890, E: dangemgooding@activ8.net.au	504470-2006-060022 (Charinga, 060022)	HH	
Ejanding Poll, 145096 600443-2014-145096	**Brett Jones** **Dowerin WA** P: (08) 9632 3012, M: 0428 323012, E: ejandingstud@bigpond.com	600443-2012-125202 (Ejanding Poll, 125202)	PH	
Haddon Rig, 2.715 500048-2012-120715	**Andy Maclean** **Warren NSW** P: (02) 6847 4405, M: 0429 662226, E: admin@haddon-rig.com.au	503805-2009-009778 (White River, 009778)	HH	
Hazeldean, 11.43 500383-2011-000043	**Jim Litchfield** **Cooma NSW** P: (02) 6453 5555, M: 0417 676561, E: admin@hazeldean.com.au	600553-2007-070002 (Coromandel Poll, 070002)	PH	Link
Ingle Poll, 130387 609154-2013-130387	**Ashley Hobbs** **Brookton WA** P: (08) 9642 1379, M: 0429 421379, E: ingle@wn.com.au	609154-2011-110022 (Ingle Poll, 110022)	PP	
Leahcim Poll, 090918 600815-2009-090918	**Andrew and Rosemary Michael** **Snowtown SA** P: (08) 8865 2085, M: 0418 828431, E: leahcimgenetics@bigpond.com	600815-2007-070319 (Leahcim Poll, 070319)	PP	Link
Merinotech WA Poll, 100081 609040-2010-100081	**Ian Robertson** **Kojonup WA** P: (08) 9833 6251, E: yarrakfarm311@gmail.com	609040-2008-088578 (Merinotech WA Poll, 088578)	PH	Link
Moojepin, 140377 504637-2014-140377	**David Thompson** **Katanning WA** P: (08) 9822 1500, M: 0418 932507, E: moojepin@westnet.com.au	504637-2012-120652 (Moojepin, 120652)	PP	
One Oak No. 2, R56 503855-2010-100R56	**Graham Wells** **Smoko VIC** M: 0428 442930, E: oneoakpl@bigpond.com	503855-2008-080004 (One Oak, 080004)	HH	Link
Rhamily Poll, 110330 (Benny) 601271-2011-110330	**Shayne Makin** **Tammin WA** P: (08) 9638 1027, M: 0428 381027, E: kamballiems@bigpond.com	Unknown	PP	
West Plains Poll, 110004 601236-2011-110004	**Drew Chapman** **Delegate NSW** P: (02) 6458 8129, M: 0428 823533, E: laura.chapman1@bigpond.com	501341-2009-090089 (Hinesville, 090089)	PH	
Wyambeh Poll, 140141 601343-2014-140141	**Peter Campbell** **Roma QLD** P: (07) 4626 5454, M: 0427 195388, E: peter.campbell53@bigpond.com	601343-2011-110070 (Wyambeh Poll, 110070)	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.

Raw Data

Birth and Rear Type – F1 Ewes

Breeders flock, Sire number	Birth Type (Scanning) Single	Twin	Triplet	Rear Type (Weaning) Single	Twin
Billandri Poll, 130641	15	18	2	20	15
Boolading Blues Poll, 120708	14	8		16	6
Claypans Poll, 130597	4	10		6	8
East Mundulla, 090137 (Jonty)	20	9		22	7
Ejanding Poll, 145096	16	18		17	17
Haddon Rig, 2.715	10	10	1	11	10
Hazeldean, 11.43	17	5		18	4
Ingle Poll, 130387	13	14		15	12
Leahcim Poll, 090918	15	20		19	16
Merinotech WA Poll, 100081	17	18	1	21	15
Moojepin, 140377	15	7		16	6
One Oak No. 2, R56	15	20		21	14
Rhamily Poll, 110330 (Benny)	11	11		14	8
West Plains Poll, 110004 (Mercenary)	15	14		15	14
Wyambeh Poll, 140141	15	9		19	5
Total	**212**	**191**	**4**	**250**	**157**
	52%	***47%***	***1%***	***61%***	***39%***

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

Raw Data

Counts – F1 Ewes

Marking 21/07/16	Weaning 26/09/16	Post Weaning Classing 15/03/17	Adult2 Classing 05/03/18	Adult2* Classing 27/11/18	Adult3 Classing 27/11/19	Adult4 Classing 18/11/20	Survival Rate from Marking %
35	35	35	35	34	32	30	86%
23	22	21	21	20	19	18	78%
15	14	13	13	13	12	11	73%
29	29	28	28	25	22	20	69%
34	34	34	33	33	33	32	94%
21	21	20	18	18	18	18	86%
22	22	21	21	20	20	20	91%
29	27	26	25	25	25	24	83%
35	35	34	34	33	32	30	86%
36	36	36	34	33	29	25	69%
22	22	22	22	22	21	20	91%
36	35	30	30	30	28	27	75%
23	22	22	21	21	21	19	83%
30	29	29	27	26	24	24	80%
24	24	24	23	22	22	22	92%
28	**27**	**26**	**26**	**25**	**24**	**23**	***82%***
414	***407***	***395***	***385***	***375***	***358***	***340***	

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

2016 Drop

Raw Data

Wool – F1 Ewes

Wool growth in Months			
Post Weaning	9.5	Second Adult2	7.5
Adult2	12	Adult3	12
	Adult 4	12	

	GFW (kg)					CFW (kg)					FD (µm)					FDCV (%)					SL (mm)					SS (Nktex)				
Breeders flock, Sire number	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**
Billandri Poll, 130641	3.0	6.5	4.0	5.8	5.6	1.9	4.1	3.0	3.9	3.9	16.8	18.0	19.1	18.1	18.7	19.4	16.4	16.8	17.7	17.1	76.8	116.9	78.4	101.2	101.0	41.8	25.1	35.2	26.4	36.6
Boolading Blues Poll, 120708	3.3	6.4	4.3	6.0	5.8	2.3	4.2	3.3	4.2	4.1	18.7	21.0	22.6	20.9	21.9	19.5	16.0	16.7	17.9	17.0	85.5	123.9	84.1	111.1	110.8	42.8	26.0	36.1	26.9	36.2
Claypans Poll, 130597	2.7	5.9	3.9	5.7	5.2	1.8	4.1	3.1	4.3	4.0	16.7	18.3	20.5	19.5	19.5	18.0	15.0	16.0	16.6	17.4	67.8	111.2	76.5	102.4	100.3	46.2	30.1	36.8	33.4	34.4
East Mundulla, 090137 (Jonty)	3.0	6.4	4.2	6.5	6.2	1.9	4.1	3.2	4.6	4.4	16.7	18.2	20.2	19.2	19.6	20.7	17.9	18.4	18.3	18.8	70.8	109.7	78.0	104.5	103.2	37.2	21.1	32.0	26.1	29.4
Ejanding Poll, 145096	2.8	6.0	3.8	5.5	4.9	1.9	3.9	2.9	3.9	3.5	17.3	19.1	20.7	19.6	20.1	17.1	15.2	15.5	16.0	15.9	81.0	122.2	83.4	110.7	108.8	51.4	30.2	39.2	32.3	37.7
Haddon Rig, 2.715	3.0	6.2	4.1	5.6	5.5	2.0	4.1	3.2	4.1	4.0	17.2	18.5	20.4	19.0	19.4	19.5	16.6	16.7	17.9	17.6	75.1	113.5	78.9	100.1	100.4	42.8	28.5	36.1	28.2	32.1
Hazeldean, 11.43	3.1	6.4	4.3	5.9	5.5	2.1	4.0	3.2	3.9	3.8	16.6	18.0	20.1	18.5	19.0	19.8	16.0	16.5	17.3	17.3	79.8	121.8	82.0	105.2	104.7	39.4	24.0	37.2	31.6	33.4
Ingle Poll, 130387	2.8	6.0	3.6	5.2	4.7	1.7	3.3	2.4	3.1	2.8	16.2	17.3	18.5	17.5	17.6	17.9	16.2	16.1	17.3	16.6	75.5	113.2	78.4	98.1	95.3	40.9	23.7	35.0	24.7	29.2
Leahcim Poll, 090918	2.6	5.4	3.5	5.0	4.8	1.7	3.3	2.5	3.3	3.2	16.6	17.7	19.4	18.6	18.7	18.2	15.0	15.4	16.5	16.4	83.1	121.7	85.0	109.2	107.6	44.6	26.4	37.1	28.7	33.3
Merinotech WA Poll, 100081	2.8	5.9	3.6	5.2	5.0	1.9	3.8	2.6	3.5	3.4	17.2	18.2	19.1	18.1	18.4	18.6	14.7	15.0	15.7	15.5	78.3	117.3	78.0	98.9	96.7	44.0	30.8	40.5	31.0	37.4
Moojepin, 140377	2.7	5.6	3.7	4.9	4.6	1.8	3.4	2.7	3.3	3.2	17.3	18.8	20.1	19.1	19.8	19.6	16.2	16.9	17.9	17.2	86.3	130.1	87.2	113.0	109.3	35.9	22.0	33.0	24.2	33.9
One Oak No. 2, R56	3.0	6.5	4.5	6.2	6.0	2.0	4.1	3.3	4.3	4.1	16.4	17.5	19.7	18.2	18.7	21.5	18.5	18.3	19.4	19.4	72.0	111.0	79.4	101.9	100.4	36.9	20.4	29.7	24.1	29.6
Rhamily Poll, 110330 (Benny)	2.9	6.1	4.1	5.5	5.2	2.0	3.9	3.0	3.6	3.5	17.2	18.3	20.0	18.7	18.5	18.8	15.2	15.6	17.2	16.4	72.5	111.9	77.2	99.7	96.3	44.5	28.7	36.6	31.2	32.3
West Plains Poll, 110004 (Mercenary)	2.8	5.9	4.1	5.7	5.5	1.9	3.9	3.2	4.0	3.8	16.8	18.0	20.4	18.7	19.2	19.4	16.2	16.9	18.2	17.8	75.5	111.7	79.8	103.4	103.4	42.0	23.7	33.6	25.7	29.6
Wyambeh Poll, 140141	2.8	5.6	3.7	5.0	5.1	1.8	3.5	2.7	3.4	3.4	17.2	18.9	20.9	19.5	20.4	20.0	15.2	15.5	16.3	16.8	85.7	126.5	85.4	111.2	108.3	34.9	29.8	38.0	32.7	36.2
Average	**2.9**	**6.1**	**4.0**	**5.6**	**5.3**	**1.9**	**3.8**	**3.0**	**3.8**	**3.7**	**17.0**	**18.4**	**20.1**	**18.9**	**19.3**	**19.2**	**16.0**	**16.4**	**17.3**	**17.1**	**77.7**	**117.5**	**80.8**	**104.7**	**103.1**	**41.7**	**26.0**	**35.7**	**28.5**	**33.4**

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 a December shearing (previously March) resulted in 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.

Raw Data

Weights – F1 Ewes

Breeders flock, Sire number	Weaning 26/09/16 (kg)	Post Weaning 27/03/17 (kg)	Yearling 09/05/17 (kg)	*Weight Gain Weaning to Yearling (kg)*	Hogget 29/09/17 (kg)	Adult2 Pre Joining 21/12/17 (kg)	*Weight Gain Weaning to A2 Joining (kg)*	Adult3 Pre Joining 30/01/19 (kg)	Adult4 Pre Joining 30/01/20 (kg)	Adult5 Pre Joining 28/01/21 (kg)
Billandri Poll, 130641	30.3	39.0	40.2	9.9	54.4	54.3	24.0	68.1	66.8	70.9
Boolading Blues Poll, 120708	32.6	42.5	42.4	9.8	56.2	57.4	24.8	75.0	67.3	75.5
Claypans Poll, 130597	27.5	37.3	38.6	11.1	51.4	52.2	24.7	67.7	67.4	72.9
East Mundulla, 090137 (Jonty)	30.6	38.9	39.9	9.3	54.5	53.9	23.3	70.4	68.3	75.0
Ejanding Poll, 145096	28.8	39.1	40.4	11.6	53.9	54.1	25.3	67.6	66.8	69.8
Haddon Rig, 2.715	29.2	38.1	38.7	9.5	51.6	50.6	21.4	64.9	61.7	67.4
Hazeldean, 11.43	31.8	39.5	39.9	8.1	55.9	55.3	23.5	71.3	67.5	72.2
Ingle Poll, 130387	29.9	40.2	41.2	11.3	53.8	55.3	25.4	68.7	65.9	68.3
Leahcim Poll, 090918	28.8	36.7	38.3	9.5	50.4	50.4	21.6	65.6	62.0	66.7
Merinotech WA Poll, 100081	28.4	37.2	38.5	10.1	50.0	50.6	22.2	62.7	62.7	65.5
Moojepin, 140377	29.7	38.9	40.5	10.8	52.3	53.4	23.7	66.4	64.2	67.9
One Oak No. 2, R56	29.9	36.9	37.4	7.5	51.3	52.7	22.8	68.1	64.8	70.6
Rhamily Poll, 110330 (Benny)	31.6	40.9	42.0	10.4	55.0	55.4	23.8	72.3	70.2	77.1
West Plains Poll, 110004 (Mercenary)	29.0	37.2	38.3	9.3	51.5	51.1	22.1	64.6	64.1	67.3
Wyambeh Poll, 140141	31.2	39.4	39.7	8.5	50.9	52.5	21.3	66.2	62.2	67.4
Average	**30.0**	**38.8**	**39.7**	**9.7**	**52.9**	**53.3**	**23.3**	**68.0**	**65.5**	**70.3**

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); A5 (4.5 to 5.5 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.

Raw Data

Carcase Measurements and Condition Scores – F1 Ewes

	EMD (mm)					FAT (mm)					Condition Scores					
Breeders flock, Sire number	Post Weaning 27/03/17	Adult2 Pre Joining 21/12/17	Adult3 Pre Joining 30/01/19	Adult4 Pre Joining 30/01/20	Adult5 Pre Joining 28/01/21	Post Weaning 27/03/17	Adult2 Pre Joining 21/12/17	Adult3 Pre Joining 30/01/19	Adult4 Pre Joining 30/01/20	Adult5 Pre Joining 28/01/21	Yearling 09/05/17	Hogget 29/09/17	Adult2 Pre Joining 21/12/17	Adult3 Pre Joining 30/01/19	Adult4 Pre Joining 30/01/20	Adult5 Pre Joining 28/01/21
Billandri Poll, 130641	21.4	24.3	27.1	25.4	25.7	1.8	2.2	2.8	4.1	4.1	2.9	2.9	3.1	3.3	2.9	3.0
Boolading Blues Poll, 120708	22.5	25.0	28.6	24.8	25.4	1.8	2.0	2.7	2.9	3.8	2.8	2.8	3.0	3.4	2.6	2.9
Claypans Poll, 130597	20.4	23.8	27.0	26.5	27.0	1.6	2.0	2.9	4.7	4.7	2.9	2.9	3.1	3.3	3.0	3.1
East Mundulla, 090137 (Jonty)	20.2	22.9	26.3	24.6	25.7	1.5	1.8	2.7	3.4	4.0	2.8	2.7	2.8	3.3	2.7	2.7
Ejanding Poll, 145096	20.9	23.8	27.7	25.1	26.4	1.6	2.1	3.4	4.6	5.0	3.0	2.9	3.1	3.5	3.2	3.3
Haddon Rig, 2.715	21.0	22.5	26.1	23.5	25.3	1.6	1.8	2.6	3.4	3.9	2.9	2.8	2.8	3.1	2.7	2.9
Hazeldean, 11.43	21.0	24.0	27.7	25.0	26.5	1.6	2.0	3.3	4.1	4.3	2.8	2.9	3.0	3.4	3.1	3.2
Ingle Poll, 130387	21.8	25.0	28.2	26.9	26.7	1.9	2.3	4.1	4.7	4.6	3.1	2.9	3.2	3.7	3.2	3.3
Leahcim Poll, 090918	20.6	23.2	26.4	24.9	25.1	1.6	1.9	2.6	3.2	3.9	2.8	2.8	2.9	3.2	2.9	3.0
Merinotech WA Poll, 100081	21.5	24.0	27.2	26.3	26.9	1.8	2.2	3.1	5.5	5.2	3.0	2.9	3.1	3.4	3.2	3.3
Moojepin, 140377	21.5	25.0	27.9	25.7	26.8	1.8	2.3	3.0	4.4	4.6	2.9	2.9	3.0	3.3	3.2	3.2
One Oak No. 2, R56	20.3	23.2	26.4	24.4	25.6	1.6	2.0	2.7	3.1	4.0	2.8	2.8	2.9	3.2	2.7	2.7
Rhamily Poll, 110330 (Benny)	21.9	23.6	27.4	26.5	26.0	1.7	2.0	2.8	3.5	4.2	2.9	2.9	3.0	3.2	2.9	3.1
West Plains Poll, 110004 (Mercenary)	20.5	22.7	25.7	24.5	26.0	1.6	1.9	2.5	4.0	4.0	2.9	2.7	2.8	3.2	2.9	2.9
Wyambeh Poll, 140141	22.1	24.3	28.6	26.5	27.7	1.8	2.0	3.2	4.0	4.7	3.0	2.9	3.1	3.5	3.1	3.4
Average	**21.2**	**23.8**	**27.2**	**25.4**	**26.2**	**1.7**	**2.0**	**3.0**	**4.0**	**4.3**	**2.9**	**2.8**	**3.0**	**3.3**	**3.0**	**3.1**

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); A5 (4.5 to 5.5 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.

Raw Data

Visual Scores – Breech and Conformation – F1 Ewes

	Breech													Conformation											
	BRWR				BCOV					DAG				BDWR				LEGS					FACE				
Breeders flock, Sire number	**M**	**A2**	**A2***	**A4**	**M**	**A2**	**A2***	**A3**	**A4**	**H**	**A2**	**A3**	**A4**	**P**	**A2**	**A2***	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**
Billandri Poll, 130641	2.3	2.1	1.6	2.1	2.3	3.0	3.4	2.9	3.3	2.4	2.2	1.6	2.5	1.7	1.7	2.0	2.7	2.6	2.2	2.4	2.3	2.4	1.3	1.7	1.2	2.3	2.4
Boolading Blues Poll, 120708	2.2	1.8	1.6	1.6	2.5	3.1	3.2	2.6	3.4	1.5	1.8	1.5	2.3	1.5	1.5	1.7	1.9	2.3	2.1	2.1	2.1	2.0	1.2	1.4	1.2	2.3	2.4
Claypans Poll, 130597	2.9	2.1	2.3	2.5	2.3	3.0	3.9	3.5	4.3	1.2	1.3	1.5	2.0	1.7	1.7	1.5	2.3	2.7	2.1	2.2	2.0	1.7	1.3	1.7	1.2	2.2	2.5
East Mundulla, 090137 (Jonty)	2.6	2.0	2.0	1.7	3.0	3.0	3.5	3.5	3.7	1.7	1.6	1.7	2.6	1.8	1.7	1.7	2.1	2.4	2.0	1.7	2.1	1.9	1.6	1.8	1.1	2.5	2.5
Ejanding Poll, 145096	2.1	1.4	1.2	1.3	2.3	3.0	3.2	2.4	2.4	1.4	1.3	1.4	2.1	1.4	1.1	1.2	1.7	2.4	2.3	2.3	2.3	2.1	1.3	1.6	1.0	2.1	2.3
Haddon Rig, 2.715	2.1	1.9	1.9	1.7	2.6	2.9	3.8	3.5	3.5	1.9	2.4	1.9	2.6	1.6	1.2	1.5	1.9	2.5	2.5	2.1	2.2	2.2	2.2	2.6	1.5	2.6	2.5
Hazeldean, 11.43	2.5	2.0	1.9	2.2	2.7	3.0	3.2	3.1	3.6	1.6	1.4	1.4	2.2	1.8	1.9	2.0	2.1	2.5	2.3	1.9	2.2	2.2	1.6	2.0	1.3	2.6	2.5
Ingle Poll, 130387	2.1	1.6	1.7	1.9	2.3	3.0	3.7	3.0	3.2	1.7	1.2	1.4	2.3	1.4	1.5	1.8	1.7	2.5	2.2	2.2	2.1	2.4	1.4	1.7	1.1	2.3	2.1
Leahcim Poll, 090918	1.7	1.6	1.3	1.5	2.3	3.1	3.3	2.8	2.9	1.4	1.5	1.4	2.1	1.2	1.1	1.2	1.6	2.5	2.0	2.1	2.2	2.1	1.5	1.6	1.1	2.1	2.4
Merinotech WA Poll, 100081	2.7	2.0	1.7	2.0	2.4	2.9	3.4	2.6	2.9	1.5	1.5	1.4	2.1	1.9	1.8	1.9	2.3	2.8	2.2	2.2	2.5	2.5	1.5	1.9	1.2	2.2	2.4
Moojepin, 140377	1.9	1.3	1.2	1.6	2.4	2.8	3.4	3.3	2.9	1.1	1.2	1.2	2.0	1.3	1.1	1.3	1.5	2.5	2.2	2.1	2.3	2.4	1.1	1.3	1.0	1.9	2.2
One Oak No. 2, R56	2.6	2.2	2.1	2.1	2.8	3.3	3.8	3.8	4.0	1.4	1.7	1.6	2.6	2.2	1.7	1.7	2.1	2.4	2.3	2.0	2.1	1.7	1.8	2.1	1.5	2.6	2.6
Rhamily Poll, 110330 (Benny)	2.3	1.5	1.6	1.3	2.6	3.1	3.5	3.8	3.6	1.2	1.4	1.5	2.3	1.6	1.3	1.7	1.7	2.4	2.2	2.1	2.3	2.0	1.5	1.7	1.2	2.3	2.4
West Plains Poll, 110004 (Mercenary)	2.6	2.0	1.8	1.7	2.8	3.2	3.7	3.7	3.8	1.3	1.4	1.8	2.6	1.8	1.6	1.4	2.0	2.5	2.4	2.0	2.2	1.9	1.9	2.4	1.5	2.6	2.6
Wyambeh Poll, 140141	1.7	1.8	1.4	2.0	2.5	3.2	3.8	3.8	3.9	1.5	1.3	1.4	2.2	1.3	1.5	1.5	2.4	2.5	2.0	2.1	2.2	2.2	1.1	1.4	1.0	2.0	2.1
Average	**2.3**	**1.8**	**1.7**	**1.8**	**2.5**	**3.0**	**3.5**	**3.2**	**3.4**	**1.5**	**1.5**	**1.5**	**2.3**	**1.6**	**1.5**	**1.6**	**2.0**	**2.5**	**2.2**	**2.1**	**2.2**	**2.1**	**1.5**	**1.8**	**1.2**	**2.3**	**2.4**

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.

*** Changeover to a December shearing (previously March) resulted in 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.

Raw Data

Visual Scores – Wool Quality – F1 Ewes

Breeders flock, Sire number	Wool Quality																					
	COL					FLROT					DUST					WEATH			CHAR				
	P	A2	A2*	A3	A4	P	A2	A2*	A3	A4	P	A2	A2*	A3	A4	P	A2	A2*	P	A2	A2*	A3	A4
Billandri Poll, 130641	2.7	2.9	2.1	2.2	2.9	1.2	1.0	1.5	1.0	1.0	2.5	2.3	1.6	3.0	2.9	2.5	2.5	1.7	2.7	2.8	3.0	2.7	2.7
Boolading Blues Poll, 120708	2.9	3.1	3.0	2.7	3.2	1.3	1.0	2.0	1.0	1.0	2.9	3.0	1.7	3.2	2.8	2.6	2.8	2.0	3.1	3.4	3.5	2.9	3.1
Claypans Poll, 130597	2.8	2.5	2.3	2.3	2.7	1.5	1.0	1.6	1.0	1.0	2.5	2.2	1.6	2.9	2.6	2.4	2.3	1.4	2.7	2.7	3.0	2.6	2.7
East Mundulla, 090137 (Jonty)	2.9	2.9	2.3	2.4	2.6	1.6	1.0	1.9	1.1	1.0	2.6	2.6	1.3	3.0	2.4	2.9	2.7	2.0	2.5	2.3	2.7	2.3	2.4
Ejanding Poll, 145096	2.7	3.1	2.1	2.6	2.8	1.5	1.0	1.8	1.0	1.0	2.7	2.9	1.7	3.4	2.7	2.9	2.7	2.0	2.2	2.6	2.8	2.7	2.6
Haddon Rig, 2.715	2.8	2.8	2.1	2.4	2.8	1.4	1.0	1.5	1.0	1.0	2.6	2.6	1.1	3.2	2.7	3.0	2.5	1.4	2.7	2.6	2.9	2.8	2.7
Hazeldean, 11.43	2.4	2.9	1.8	2.3	2.6	1.1	1.0	1.4	1.0	1.0	2.3	2.6	1.2	3.2	2.7	2.4	2.5	1.3	2.4	2.8	2.9	2.6	2.5
Ingle Poll, 130387	3.0	2.9	2.3	2.6	3.0	1.6	1.0	1.7	1.1	1.0	2.7	2.5	1.4	3.2	2.9	2.6	2.6	1.7	2.6	2.9	3.1	3.1	2.9
Leahcim Poll, 090918	2.5	2.7	1.9	2.4	2.6	1.1	1.0	1.3	1.0	1.0	2.6	2.9	1.4	3.2	2.6	2.5	2.7	1.9	2.4	2.6	2.8	2.6	2.5
Merinotech WA Poll, 100081	2.6	2.5	1.3	2.2	2.8	1.0	1.0	1.3	1.0	1.0	2.4	2.4	1.3	3.1	2.9	2.2	2.4	1.6	2.6	3.1	3.0	2.8	2.9
Moojepin, 140377	2.7	3.2	2.4	2.7	2.8	1.1	1.0	1.8	1.0	1.0	3.1	3.1	1.8	3.1	2.7	2.9	3.0	2.2	2.7	3.2	3.2	2.8	2.8
One Oak No. 2, R56	2.6	2.9	2.4	2.3	2.9	1.4	1.0	1.7	1.0	1.0	2.3	2.4	1.2	2.8	2.8	2.4	2.6	1.4	2.8	2.9	3.4	2.6	2.8
Rhamily Poll, 110330 (Benny)	2.6	2.7	2.1	2.5	2.8	1.3	1.0	1.8	1.0	1.0	2.4	2.5	1.3	3.1	2.4	2.5	2.5	1.7	2.3	2.6	2.7	2.8	2.6
West Plains Poll, 110004 (Mercenary)	2.2	2.3	1.6	2.2	2.7	1.0	1.0	1.2	1.0	1.0	2.2	2.3	1.1	3.0	2.7	2.3	2.4	1.3	2.2	2.1	2.6	2.4	2.6
Wyambeh Poll, 140141	2.9	2.6	1.8	2.2	2.8	1.3	1.0	1.5	1.0	1.0	3.1	2.7	1.4	3.1	2.7	2.9	2.8	1.9	3.2	3.5	3.5	2.9	2.6
Average	**2.7**	**2.8**	**2.1**	**2.4**	**2.8**	**1.3**	**1.0**	**1.6**	**1.0**	**1.0**	**2.6**	**2.6**	**1.4**	**3.1**	**2.7**	**2.6**	**2.6**	**1.7**	**2.6**	**2.8**	**3.0**	**2.7**	**2.7**

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 a December shearing (previously March) resulted in 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.

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Nathan King

Results are ewe numbers as classed into each grade.

Breeders flock, Sire number	Post Weaning 15/03/17					Adult2 05/03/18					Adult2* 26/11/18					Adult3 25/11/19					Adult4 18/11/20				
	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
Billandri Poll, 130641		9	13	11	2		2	17	4	7	1	5	15	7	6		6	19	4	2		1	19	4	6
Boolading Blues Poll, 120708		3	5	13			2	8	7	4			7	3	9			10	3	6		1	6	4	7
Claypans Poll, 130597		1	7	4	1	2	3	6	2		1	1	9	2			2	7	2	1	1	3	6		1
East Mundulla, 090137 (Jonty)	2	5	9	10	2	4	5	6	8	5	4	1	5	9	6	3	2	8	6	3	3	3	10	2	2
Ejanding Poll, 145096		2	18	10	4		4	16	7	6		3	14	9	7	1	2	16	11	3	1	2	15	5	9
Haddon Rig, 2.715		1	8	7	3		3	9	2	4		2	9	4	3		3	9	4	2	1	2	10	4	1
Hazeldean, 11.43	3	6	10	2		2	5	12	1	1	5	5	8	1	1	2	3	11	3	1		3	11	4	2
Ingle Poll, 130387		1	13	11	1		3	12	6	4			14	9	2			7	10	8			7	12	5
Leahcim Poll, 090918	1	4	17	8	3	1	6	16	6	5		6	18	6	3	1	1	19	8	2		4	17	7	2
Merinotech WA Poll, 100081		4	20	9	3	1	5	12	9	6		3	14	8	8		2	13	7	6		1	12	7	5
Moojepin, 140377		2	9	8	3		2	10	6	3		1	8	10	2		1	10	6	4		1	5	11	3
One Oak No. 2, R56		5	11	9	5	2	7	14	3	3	4	2	14	4	5	2	3	11	10	2	1	3	16	4	3
Rhamily Poll, 110330 (Benny)	3	5	10	4		1	5	12	2	1		3	11	4	2	3	1	12	4	1	1	3	12	2	1
West Plains Poll, 110004 (Mercenary)	1	9	10	5	4	1	6	12	6	2	1	6	11	5	2	1	6	13	4		2	3	13	4	2
Wyambeh Poll, 140141			11	11	1		1	7	8	7		2	8	8	4	1	3	8	8	2		2	12	5	3
Total	**10**	**57**	**171**	**122**	**32**	**14**	**59**	**169**	**77**	**58**	**16**	**40**	**165**	**89**	**60**	**14**	**35**	**173**	**90**	**43**	**10**	**32**	**171**	**75**	**52**
	3%	***15%***	***43%***	***31%***	***8%***	***4%***	***16%***	***45%***	***20%***	***15%***	***4%***	***11%***	***45%***	***24%***	***16%***	***4%***	***10%***	***49%***	***25%***	***12%***	***3%***	***9%***	***50%***	***22%***	***15%***

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 a December shearing (previously March) resulted in 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.

Raw Data

Reproduction in 2020 – Adult4 Stage

8 rams were used in a syndicate and naturally joined to the F1 ewes on February 3, 2020 and removed on March 9, 2020.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning 24/04/20						F2 Progeny Weaning - Lamb Numbers 29/09/20						
		Ewe Numbers				Number	Foetus				Number		Weaning	Kg lambs weaned/No.
		Empty	Single	Twin	Triplets	Foetuses	Rate[1]	Single	Twin	Triplet	Lambs	Survival[2]	Rate[3]	ewes joined[4]
Billandri Poll, 130641	32		13	19		51	159%	15	28		43	84%	134%	39.3
Boolading Blues Poll, 120708	19		5	14		33	174%	7	22		29	88%	153%	46.3
Claypans Poll, 130597	12		4	8		20	167%	6	8		14	70%	117%	28.0
East Mundulla, 090137 (Jonty)	22	4	13	5		23	105%	13	8		21	91%	95%	28.8
Ejanding Poll, 145096	33		15	18		51	155%	20	24		44	86%	133%	39.7
Haddon Rig, 2.715	18	2	8	7	1	25	139%	10	10	3	23	92%	128%	39.4
Hazeldean, 11.43	20		6	14		34	170%	9	18		27	79%	135%	37.5
Ingle Poll, 130387	25		3	22		47	188%	6	36		42	89%	168%	46.4
Leahcim Poll, 090918	32	2	15	15		45	141%	15	26		41	91%	128%	37.1
Merinotech WA Poll, 100081	29		11	16	2	49	169%	12	18		30	61%	103%	29.2
Moojepin, 140377	21		13	8		29	138%	14	12		26	90%	124%	37.8
One Oak No. 2, R56	27	1	9	17		43	159%	11	26		37	86%	137%	39.4
Rhamily Poll, 110330 (Benny)	21	1	8	12		32	152%	8	18		26	81%	124%	36.5
West Plains Poll, 110004 (Mercenary)	24		15	9		33	138%	18	12		30	91%	125%	36.1
Wyambeh Poll, 140141	22	3	8	11		30	136%	10	16		26	87%	118%	34.2
Total	**357**	**13** *4%*	**146** *41%*	**195** *55%*	**3** *1%*	**545**	**153%**	**174** *38%*	**282** *61%*	**3** *1%*	**459**	**84%**	**129%**	**37.3**

[1]Foetus rate is calculated by number of foetuses divided by ewes joined. [2] Survival is calculated between foetuses scanned and lambs weaned [3] Weaning rate is calculated by lambs weaned divided by ewes joined.

[4] Kg 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

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.

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.

Raw Data

Reproduction in 2019 – Adult3 Stage

8 rams were used in a syndicate and naturally joined to the F1 ewes on January 31, 2019 and were removed on March 7, 2019.

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning 29/04/19						F2 Progeny Weaning - Lamb Numbers 07/10/19						
		Ewe Numbers				Number	Foetus				Number		Weaning	Kg lambs weaned/No.
		Empty	Single	Twin	Triplets	Foetuses	Rate[1]	Single	Twin	Triplet	Lambs	Survival[2]	Rate[3]	ewes joined[4]
Billandri Poll, 130641	32		17	15		47	147%	22	18		40	85%	125%	38.8
Boolading Blues Poll, 120708	20	1	6	13		32	160%	6	22		28	88%	140%	40.6
Claypans Poll, 130597	13	2	7	4		15	115%	7	2		9	60%	69%	19.8
East Mundulla, 090137 (Jonty)	25	1	15	9		33	132%	17	8		25	76%	100%	30.5
Ejanding Poll, 145096	33		20	13		46	139%	22	20		42	91%	127%	38.8
Haddon Rig, 2.715	18	2	8	8		24	133%	10	12		22	92%	122%	35.8
Hazeldean, 11.43	20		8	11	1	33	165%	13	10		23	70%	115%	37.2
Ingle Poll, 130387	25		5	20		45	180%	11	24		35	78%	140%	41.1
Leahcim Poll, 090918	33		25	8		41	124%	24	10		34	83%	103%	32.4
Merinotech WA Poll, 100081	33	1	13	19		51	155%	13	18		31	61%	94%	26.3
Moojepin, 140377	22		8	14		36	164%	14	14		28	78%	127%	36.9
One Oak No. 2, R56	30	1	15	13	1	44	147%	15	18	3	36	82%	120%	34.3
Rhamily Poll, 110330 (Benny)	21	1	8	12		32	152%	12	14		26	81%	124%	37.9
West Plains Poll, 110004 (Mercenary)	26	3	14	9		32	123%	18	6		24	75%	92%	29.0
Wyambeh Poll, 140141	22	3	10	9		28	127%	11	16		27	96%	123%	34.2
Total	**373**	**15** *4%*	**179** *48%*	**177** *47%*	**2** *1%*	**539**	**145%**	**215** *50%*	**212** *49%*	**3** *1%*	**430**	**80%**	**115%**	**34.4**

[1]Foetus rate is calculated by number of foetuses divided by ewes joined. [2] Survival is calculated between foetuses scanned and lambs weaned [3] Weaning rate is calculated by lambs weaned divided by ewes joined.

[4] Kg 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

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.

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.

Raw Data

Reproduction in 2018 - Adult2 Stage (Maiden)

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

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning Count 23/03/18					F2 Progeny Weaning - Lamb Numbers 29/08/18					
		Ewe Numbers			Number	Foetus			Number		Weaning	Kg lambs weaned/No.
		Empty	Single	Twin	Foetuses	Rate[1]	Single	Twin	Lambs	Survival[2]	Rate[3]	ewes joined[4]
Billandri Poll, 130641	33		28	5	38	115%	27	8	35	92%	106%	30.9
Boolading Blues Poll, 120708	21	1	13	7	27	129%	15	6	21	78%	100%	28.5
Claypans Poll, 130597	13	1	7	5	17	131%	7	8	15	88%	115%	28.8
East Mundulla, 090137 (Jonty)	28	2	24	2	28	100%	23	2	25	89%	89%	24.6
Ejanding Poll, 145096	33	2	29	2	33	100%	28	4	32	97%	97%	27.7
Haddon Rig, 2.715	18	2	12	4	20	111%	12	6	18	90%	100%	27.2
Hazeldean, 11.43	21	2	11	8	27	129%	7	10	17	63%	81%	20.6
Ingle Poll, 130387	25	1	16	8	32	128%	14	14	28	88%	112%	29.6
Leahcim Poll, 090918	33	2	27	4	35	106%	24	6	30	86%	91%	25.0
Merinotech WA Poll, 100081	34	1	23	10	43	126%	23	14	37	86%	109%	28.1
Moojepin, 140377	22	1	15	6	27	123%	17	6	23	85%	105%	30.1
One Oak No. 2, R56	29	1	23	5	33	114%	24	6	30	91%	103%	28.3
Rhamily Poll, 110330 (Benny)	21		16	5	26	124%	15	4	19	73%	90%	25.3
West Plains Poll, 110004 (Mercenary)	27	2	23	2	27	100%	16		16	59%	59%	18.5
Wyambeh Poll, 140141	22	3	14	5	24	109%	16	2	18	75%	82%	23.2
Total	**380**	**21** *6%*	**281** *74%*	**78** *20%*	**437**	**115%**	**268** *74%*	**96** *26%*	**364**	**83%**	**96%**	**26.5**

[1]Foetus rate is calculated by number of foetuses divided by ewes joined [2] Survival is calculated between foetuses scanned and lambs weaned [3] Weaning rate is calculated by lambs weaned divided by ewes joined

[4] Kg 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

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.

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.

Adjusted Sire Means

Wool

Wool growth in Months			
Post Weaning	9.5	Second Adult2	7.5
Adult2	12	Adult3	12
	Adult 4	12	

	GFW (kg)					CFW (kg)					FD (µm)					FDCV (%)					SL (mm)					SS (Nktex)				
Breeders flock, Sire number	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**	**P**	**A2**	**A2***	**A3**	**A4**
Billandri Poll, 130641	3.0	6.6	4.1	5.8	5.7	1.9	4.1	3.0	3.9	3.9	16.8	18.0	19.1	18.1	18.8	19.3	16.3	16.8	17.5	17.2	76.8	117.4	78.4	101.4	101.2	41.9	25.5	35.4	27.0	36.8
Boolading Blues Poll, 120708	3.3	6.4	4.3	6.0	5.8	2.3	4.2	3.3	4.2	4.0	18.7	21.0	22.6	20.9	21.9	19.6	16.1	16.8	18.1	17.2	85.4	123.8	83.8	110.8	110.1	42.9	26.6	35.4	27.2	36.4
Claypans Poll, 130597	2.7	5.9	3.8	5.7	5.2	1.8	4.0	3.0	4.2	3.9	16.7	18.3	20.4	19.5	19.5	17.6	14.9	15.9	16.4	17.4	67.0	111.2	76.6	102.0	100.2	46.1	30.2	37.0	33.2	34.1
East Mundulla, 090137 (Jonty)	2.9	6.3	4.2	6.5	6.2	1.9	4.0	3.2	4.6	4.4	16.7	18.2	20.1	19.1	19.6	20.7	18.0	18.4	18.3	18.8	70.6	109.2	77.9	104.2	102.8	37.2	21.0	32.0	25.6	29.1
Ejanding Poll, 145096	2.8	6.0	3.8	5.5	5.0	1.9	3.9	2.9	3.9	3.6	17.3	18.9	20.6	19.6	20.0	17.2	15.4	15.6	16.0	16.0	80.7	121.7	83.4	110.6	108.4	50.8	29.5	38.9	32.4	37.1
Haddon Rig, 2.715	3.1	6.3	4.2	5.7	5.7	2.0	4.1	3.2	4.2	4.1	17.3	18.5	20.5	19.1	19.5	19.8	16.5	16.8	17.9	17.5	75.5	114.3	79.3	101.3	101.4	43.1	28.4	36.5	28.8	33.0
Hazeldean, 11.43	3.1	6.3	4.3	5.9	5.5	2.1	4.0	3.2	3.9	3.7	16.6	17.9	20.1	18.5	18.9	20.0	16.1	16.5	17.5	17.5	80.1	121.5	81.8	105.0	104.0	39.5	24.4	36.5	31.1	33.1
Ingle Poll, 130387	2.8	6.0	3.7	5.2	4.7	1.7	3.4	2.5	3.2	2.8	16.3	17.3	18.6	17.5	17.6	17.9	16.0	16.1	17.3	16.5	75.6	113.6	78.7	98.6	95.8	41.1	23.9	35.2	24.6	29.7
Leahcim Poll, 090918	2.6	5.4	3.5	5.1	4.8	1.8	3.4	2.5	3.4	3.2	16.6	17.6	19.4	18.6	18.7	18.2	15.1	15.4	16.6	16.5	82.9	121.5	85.1	109.2	107.7	44.6	26.5	36.8	29.3	33.1
Merinotech WA Poll, 100081	2.8	5.9	3.5	5.2	5.0	1.9	3.8	2.6	3.5	3.3	17.2	18.2	19.1	18.1	18.4	18.5	14.7	15.0	15.7	15.5	78.6	117.6	78.1	99.0	96.5	44.0	31.0	40.4	30.7	37.2
Moojepin, 140377	2.7	5.5	3.7	4.9	4.6	1.8	3.4	2.7	3.3	3.2	17.3	18.8	20.2	19.1	19.8	19.7	16.2	17.0	17.9	17.2	86.7	130.3	87.1	113.1	109.2	36.0	22.0	32.8	23.8	33.8
One Oak No. 2, R56	3.0	6.5	4.5	6.2	6.0	2.0	4.1	3.3	4.3	4.1	16.4	17.5	19.8	18.2	18.7	21.4	18.4	18.3	19.4	19.3	72.7	111.4	79.5	102.0	100.6	37.1	20.4	29.9	24.1	29.7
Rhamily Poll, 110330 (Benny)	2.9	6.2	4.1	5.5	5.2	2.0	4.0	3.0	3.6	3.5	17.2	18.4	19.9	18.7	18.5	18.7	15.1	15.5	17.2	16.2	72.2	111.7	77.3	99.4	96.5	44.6	28.6	37.1	31.1	32.7
West Plains Poll, 110004 (Mercenary)	2.9	6.0	4.2	5.7	5.5	1.9	3.9	3.2	4.0	3.8	16.8	18.0	20.2	18.7	19.2	19.6	16.3	16.9	18.2	17.7	75.0	111.1	79.9	103.3	103.6	41.5	22.8	33.9	25.3	29.5
Wyambeh Poll, 140141	2.7	5.6	3.7	4.9	5.0	1.8	3.5	2.7	3.3	3.4	17.2	19.0	21.0	19.5	20.5	19.8	15.1	15.5	16.2	16.6	85.6	126.7	85.2	110.8	108.5	35.3	30.2	38.3	32.4	36.5
Average	**2.9**	**6.1**	**4.0**	**5.6**	**5.3**	**1.9**	**3.8**	**3.0**	**3.8**	**3.7**	**17.0**	**18.4**	**20.1**	**18.9**	**19.3**	**19.2**	**16.0**	**16.4**	**17.3**	**17.1**	**77.7**	**117.5**	**80.8**	**104.7**	**103.1**	**41.7**	**26.0**	**35.7**	**28.5**	**33.4**

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 a December shearing (previously March) resulted in 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) and dam age. Traits that are measured following each reproduction cycle **are** adjusted for the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs.

Adjusted Sire Means

Weight and Carcase

Breeders flock, Sire number	WT (kg)								EMD (mm)					FAT (mm)					Condition Scores					
	W	P	Y	H	A2	A3	A4	A5	P	A2	A3	A4	A5	P	A2	A3	A4	A5	Y	H	A2	A3	A4	A5
Billandri Poll, 130641	30.3	39.2	40.2	54.4	54.4	68.3	66.9	71.3	21.4	24.4	27.1	25.4	25.7	1.8	2.2	2.9	4.1	4.2	2.9	2.9	3.1	3.3	2.9	3.0
Boolading Blues Poll, 120708	31.8	42.0	41.8	55.9	56.9	74.4	67.1	75.1	22.3	25.0	28.3	24.8	25.4	1.8	2.0	2.7	3.0	3.9	2.8	2.8	3.0	3.4	2.6	2.9
Claypans Poll, 130597	27.4	37.1	38.5	51.3	52.1	67.4	67.2	72.7	20.4	23.8	27.2	26.7	27.1	1.6	2.1	3.0	4.9	4.8	2.9	2.9	3.1	3.4	3.0	3.1
East Mundulla, 090137 (Jonty)	30.1	38.6	39.8	54.3	53.8	70.2	68.0	74.5	20.2	22.9	26.2	24.5	25.6	1.5	1.8	2.7	3.4	3.9	2.8	2.7	2.8	3.2	2.7	2.7
Ejanding Poll, 145096	29.3	39.5	40.7	54.1	54.3	67.8	67.1	70.1	21.0	23.8	27.7	25.2	26.4	1.7	2.1	3.4	4.6	4.9	3.0	2.9	3.1	3.5	3.2	3.3
Haddon Rig, 2.715	30.2	38.7	39.2	52.2	51.3	65.7	62.4	68.4	21.0	22.5	26.1	23.4	25.3	1.6	1.8	2.5	3.3	4.0	2.9	2.8	2.8	3.1	2.7	2.9
Hazeldean, 11.43	30.9	38.9	39.3	55.4	54.7	70.6	67.1	71.7	20.8	23.9	27.5	24.9	26.5	1.6	2.0	3.2	4.1	4.2	2.8	2.9	3.0	3.4	3.1	3.2
Ingle Poll, 130387	30.0	40.2	41.2	53.9	55.4	68.7	66.0	68.3	21.8	24.9	28.2	26.9	26.7	1.9	2.3	4.1	4.7	4.6	3.1	2.9	3.2	3.7	3.2	3.3
Leahcim Poll, 090918	29.1	36.9	38.3	50.4	50.4	65.7	62.1	66.8	20.6	23.2	26.4	24.9	25.2	1.6	1.9	2.6	3.3	3.9	2.8	2.8	2.9	3.2	2.9	3.0
Merinotech WA Poll, 100081	28.5	37.3	38.5	50.0	50.6	62.5	62.5	65.2	21.6	24.0	27.2	26.3	26.9	1.9	2.2	3.1	5.5	5.2	3.0	2.9	3.1	3.4	3.2	3.2
Moojepin, 140377	29.2	38.6	40.1	51.9	53.0	65.9	63.8	67.6	21.4	25.0	27.7	25.6	26.7	1.8	2.3	3.0	4.4	4.5	2.9	2.9	3.0	3.3	3.2	3.2
One Oak No. 2, R56	30.2	37.0	37.5	51.2	52.6	68.2	64.8	70.7	20.3	23.2	26.3	24.3	25.5	1.6	2.0	2.7	3.1	4.0	2.7	2.8	2.9	3.2	2.7	2.7
Rhamily Poll, 110330 (Benny)	31.7	41.0	42.3	55.4	55.7	72.7	70.4	77.3	22.0	23.6	27.6	26.5	25.9	1.7	2.0	2.8	3.5	4.1	2.9	2.9	3.0	3.2	2.9	3.1
West Plains Poll, 110004 (Mercenary)	29.6	37.6	38.9	52.0	51.7	65.3	64.6	67.6	20.6	22.8	25.9	24.6	26.0	1.6	1.9	2.6	3.9	3.9	2.9	2.8	2.8	3.2	2.9	2.9
Wyambeh Poll, 140141	30.3	38.8	39.3	50.4	52.1	65.9	61.7	67.1	22.0	24.2	28.5	26.4	27.6	1.7	2.0	3.2	4.0	4.8	3.0	2.9	3.1	3.5	3.1	3.5
Average	**30.0**	**38.8**	**39.7**	**52.9**	**53.3**	**68.0**	**65.5**	**70.3**	**21.2**	**23.8**	**27.2**	**25.4**	**26.2**	**1.7**	**2.0**	**3.0**	**4.0**	**4.3**	**2.9**	**2.8**	**3.0**	**3.3**	**3.0**	**3.1**

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); A5 (4.5 to 5.5 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) and dam age. Traits that are measured following each reproduction cycle **are** adjusted for the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs.

Adjusted Sire Means

Classer's Visual Grade – F1 Ewes

Classer: Preston Clarke (P, A2, A2*), Mitch Crosby (A3, A4)

Breeders flock, Sire number	Progeny No^	TOPS (%)					CULLS (%)				
		P	A2	A2*	A3	A4	P	A2	A2*	A3	A4
Billandri Poll, 130641	30	7	-4	-4	-1	3	-5	-5	-7	-5	-2
Boolading Blues Poll, 120708	18	-8	-12	-11	5	-18	18	12	13	11	7
Claypans Poll, 130597	11	-2	20	-12	15	17	-6	-9	-8	-7	-13
East Mundulla, 090137 (Jonty)	20	-17	11	5	28	33	14	7	22	-6	-8
Ejanding Poll, 145096	32	-3	-12	-6	-10	17	8	2	6	10	-3
Haddon Rig, 2.715	18	-3	-11	-11	-3	-3	-1	-12	0	-10	-15
Hazeldean, 11.43	20	7	13	37	-6	18	-11	0	-7	-3	-15
Ingle Poll, 130387	24	-8	-6	-24	-17	-18	4	-12	-7	6	33
Leahcim Poll, 090918	30	8	-6	-1	4	-11	-8	15	-6	-12	-2
Merinotech WA Poll, 100081	25	15	-2	-2	-20	-12	-12	-3	4	17	13
Moojepin, 140377	20	-7	-11	-9	-16	-15	0	21	2	30	31
One Oak No. 2, R56	27	2	6	5	4	2	4	-6	-5	-13	-10
Rhamily Poll, 110330 (Benny)	19	8	5	10	10	0	-10	-12	-6	-15	-8
West Plains Poll, 110004 (Mercenary)	24	13	22	43	7	2	-10	-12	-8	-9	-10
Wyambeh Poll, 140141	22	-13	-12	-20	0	-15	16	15	9	6	1
Average	**23**	**16**	**11**	**28**	**18**	**16**	**22**	**16**	**15**	**21**	**14**

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 a December shearing (previously March) resulted in 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 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) and dam age. Traits that are measured following each reproduction cycle **are** adjusted for the number of F1 breeding age ewes that are dry, lambed and lost, rearing single or multiple lambs.

Within-Site and Within-Drop Flock Breeding Values

Wool

Breeders flock, Sire number	Progeny No^	PGFW (%)	AGFW (%)	PCFW (%)	ACFW (%)	PFD (µm)	AFD (µm)	PFDCV (%)	AFDCV (%)	PSL (mm)	ASL (mm)	PSS (Nktex	ASS (Nktex)
Billandri Poll, 130641	57	9	10	5	8	-0.5	-0.9	-0.4	0.2	-2.2	-1.2	-0.7	-0.8
Boolading Blues Poll, 120708	42	21	9	28	13	3.1	4.2	-0.2	-0.5	11.0	12.9	7.3	4.4
Claypans Poll, 130597	28	-3	2	0	11	-0.3	0.3	0.3	0.4	-12.5	-10.4	1.4	2.3
East Mundulla, 090137 (Jonty)	54	8	14	8	15	-0.3	0.2	2.4	2.3	-11.0	-11.6	-7.9	-6.4
Ejanding Poll, 145096	70	-8	-3	2	2	0.3	1.2	-3.6	-2.2	5.9	11.8	10.9	7.7
Haddon Rig, 2.715	41	5	2	8	7	0.1	0.0	0.7	0.5	-3.8	-6.8	-0.8	1.5
Hazeldean, 11.43	45	9	1	6	-2	-1.1	-1.3	0.5	0.5	0.8	1.0	-5.3	-5.4
Ingle Poll, 130387	52	-10	-7	-24	-19	-1.2	-2.0	-1.3	-0.8	-5.8	-5.1	0.7	-1.2
Leahcim Poll, 090918	70	-14	-15	-11	-18	-0.7	-1.2	-1.6	-1.1	7.5	3.4	5.2	1.1
Merinotech WA Poll, 100081	58	-1	-2	-1	-1	0.1	-0.6	-1.9	-2.7	4.3	3.1	5.3	4.8
Moojepin, 140377	49	-12	-11	-14	-14	0.5	0.7	0.7	0.1	14.5	23.2	-4.7	-4.0
One Oak No. 2, R56	67	4	7	3	7	-1.2	-1.9	3.8	3.6	-11.7	-18.4	-10.3	-8.9
Rhamily Poll, 110330 (Benny)	51	-2	1	-1	-1	0.5	0.3	-0.3	-0.9	-10.6	-11.5	2.0	5.3
West Plains Poll, 110004 (Mercenary)	52	0	0	2	3	-0.4	-0.4	0.7	0.9	-2.6	-7.8	0.8	-1.7
Wyambeh Poll, 140141	55	-6	-10	-10	-11	1.1	1.4	0.2	-0.4	16.2	17.3	-3.9	1.2

Weight, Carcase and WEC

Breeders flock, Sire number	Progeny No^	WWT (kg)	PWT (kg)	YWT (kg)	HWT (kg)	AWT (kg)	PEMD (mm)	YEMD (mm)	HEMD (mm)	PFAT (mm)	YFAT (mm)	HFAT (mm)	HWEC (%)
Billandri Poll, 130641	57	0.4	0.3	0.7	1.8	0.5	0.0	-0.2	0.0	0.4	0.3	0.5	-49
Boolading Blues Poll, 120708	42	1.9	4.0	3.9	4.0	4.5	0.5	0.7	0.3	0.3	0.5	-0.1	17
Claypans Poll, 130597	28	-0.6	-0.6	-0.2	1.0	2.0	0.2	0.7	0.7	0.1	0.3	0.0	43
East Mundulla, 090137 (Jonty)	54	0.1	0.1	1.4	3.0	2.0	-1.6	-2.2	-2.0	-1.0	-1.6	-1.5	99
Ejanding Poll, 145096	70	-0.8	2.0	3.2	3.5	2.2	-0.1	0.6	0.3	0.2	0.7	0.3	-96
Haddon Rig, 2.715	41	-0.2	-0.9	-1.3	-1.4	-2.7	-0.8	-1.0	-1.1	-0.7	-0.8	-0.9	59
Hazeldean, 11.43	45	1.4	0.2	0.2	3.5	2.0	-0.6	-0.7	0.0	-0.6	-0.6	0.3	7
Ingle Poll, 130387	52	-0.6	-0.1	-0.9	-1.7	-0.5	0.1	0.8	0.5	0.4	0.7	0.4	-71
Leahcim Poll, 090918	70	0.2	-0.7	-0.3	-3.0	-2.6	0.1	-0.1	-0.5	-0.1	-0.6	-0.8	-46
Merinotech WA Poll, 100081	58	-2.3	-2.8	-3.0	-3.3	-3.3	1.9	2.6	2.8	1.3	2.1	2.7	-45
Moojepin, 140377	49	-1.0	-0.6	-0.1	-1.4	-0.6	0.2	0.3	0.2	0.3	0.5	0.6	7
One Oak No. 2, R56	67	0.1	-1.8	-3.1	-2.7	-1.0	-0.6	-1.4	-0.9	-0.5	-1.5	-0.9	143
Rhamily Poll, 110330 (Benny)	51	1.5	2.2	3.5	3.6	3.0	-0.1	-0.5	-0.5	-0.1	-0.5	-0.1	11
West Plains Poll, 110004 (Mercenary)	52	-0.6	-1.1	-2.0	-2.8	-2.5	-0.3	-1.0	-1.1	-0.3	-0.8	-0.8	226
Wyambeh Poll, 140141	55	0.3	-0.3	-1.9	-4.1	-3.0	1.0	1.7	1.3	0.4	1.3	0.4	18

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
Billandri Poll, 130641	32	0.04	-0.05	0.04	7
Boolading Blues Poll, 120708	19	0.01	0.13	0.03	16
Claypans Poll, 130597	12	-0.02	0.03	-0.03	-5
East Mundulla, 090137 (Jonty)	22	-0.05	-0.16	0.02	-17
Ejanding Poll, 145096	33	0.02	-0.09	0.06	5
Haddon Rig, 2.715	18	-0.01	-0.02	0.05	4
Hazeldean, 11.43	20	0.01	0.13	-0.09	-4
Ingle Poll, 130387	25	0.04	0.21	0.01	23
Leahcim Poll, 090918	32	0.00	-0.16	0.02	-10
Merinotech WA Poll, 100081	29	0.03	0.10	-0.06	0
Moojepin, 140377	21	0.02	-0.01	0.02	4
One Oak No. 2, R56	27	0.01	0.02	0.01	4
Rhamily Poll, 110330 (Benny)	21	0.01	0.05	-0.02	2
West Plains Poll, 110004 (Mercenary)	24	-0.02	-0.14	-0.05	-22
Wyambeh Poll, 140141	22	-0.08	-0.02	0.03	-7

[1] **This reports the number of F1 ewes joined and subsequently scanned at the latest reported stage.**

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
Billandri Poll, 130641	134	133	130	127
Boolading Blues Poll, 120708	142	118	89	128
Claypans Poll, 130597	111	106	107	107
East Mundulla, 090137 (Jonty)	64	90	83	105
Ejanding Poll, 145096	124	116	119	112
Haddon Rig, 2.715	112	120	110	116
Hazeldean, 11.43	90	104	101	106
Ingle Poll, 130387	135	114	122	95
Leahcim Poll, 090918	61	73	91	69
Merinotech WA Poll, 100081	119	106	119	99
Moojepin, 140377	78	68	68	74
One Oak No. 2, R56	108	113	106	110
Rhamily Poll, 110330 (Benny)	109	113	108	109
West Plains Poll, 110004 (Mercenary)	50	73	76	81
Wyambeh Poll, 140141	63	51	58	62

Please note, <u>these indexes now include NLW</u> 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.

Pingelly Site Committee

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

Brett Jones (Chair)	Dowerin
Lynley Anderson	Kojonup
Steven Bolt	Corrigin
Wayne Button	Tammin
Bronwyn Clarke	Murdoch Uni
Craig Dewar	Broomehill
Melanie Dowling	Katanning
Richard McKenna	UWA
James Evans	Williams
Mark Allington	Darkan

Murray Hall	Brookton
Ashley Hobbs	Brookton
Nathan King	Arther River
Bill Sandilands	Kendenup
Graeme Martin	UWA
Andrew Thompson	Murdoch Uni
David Thompson	Katanning
Daniel Gooding	Lake Grace
Ashley Herbert	Katanning

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 sire evaluation site reports published at the completion of the post weaning and the first adult assessment stages.

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

For further information about Merino Sire Evaluation
Please contact Ben Swain, AMSEA Executive Officer, on 0427 100 542 or
ben.swain@bcsagribusiness.com.au

For further information about the Pingelly MLP Site
Please contact Bronwyn Clarke, Site Manager, on 0418 957 293 or
bronwyn.clarke@murdoch.edu.au

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.

 Australian Wool Innovation Ltd gratefully acknowledges the funds provided by the Australian government to support research, development and marketing of Australian wool.

Acknowledgement

The Merino Lifetime Productivity Project is being undertaken in partnership between the Australian Merino Sire Evaluation Association Incorporated (AMSEA) and Australian Wool Innovation (AWI). AMSEA and AWI would like to acknowledge those entities who also contribute funding, namely Woolgrowers through sire evaluation entry fees, site hosts, site committee in-kind contributions, and sponsors of AMSEA. A special acknowledgement is also made to the Australian Government who support research, development and marketing of Australian wool.