MLP
Merino Lifetime Productivity Project

Merino LINK

Field Day

Friday 16th March 2018

2016 and 2017 Drops

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

awi
Australian Wool Innovation Limited

AUSTRALIAN MERINO SIRE EVALUATION ASSOCIATION
MERINO
Superior Sires

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

Contents

MerinoLink Foundation Ewe Base

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

- Bluechip ewes – approximately half of the ewe base came from two drops of ewes that were the result of a previous sire evaluation program. All ewes have full pedigree and ASBVs.
- Pooginook - 155 2, 3 and 4-year-old ewes were selected from 1,050 stud ewes. They consist of single mated ewes (104) and syndicate mated ewes (51). All ewes have ASBV's and are structurally sound. The average MP+ index is 143.
- Commercial Pooginook - 200 commercial Pooginook blood ewes were selected out of 750. The ewes had been measured for micron and greasy fleece weight and reared a lamb.
- Bundilla - 150 ewes were selected from a ewe base of 800 stud ewes. All ewes had reared a lamb and consisted of 3 and 4 year old ewes with an average MP+ 140.
- Centre Plus - 150 ewes were selected from a ewe base of 350 stud ewes. The ewes have an average MP+ of 158.

Understanding the Results

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

Term	Definition
Site Breeding Objective:	Selection is based on the animal performing well for growth (meeting minimum body weight suitable for joining at 18 months of age) and being structurally sound with good wool quality traits, including long soft handling wool and increasing fleece weight.
Raw data:	Ewe progeny data which is unadjusted for birth type, rear type, age of dam, age of measurement 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 sex, birth type, rear type, age of dam, age of measurement and management group in order to improve the accuracy of the result. The information used for the adjustment is based on the actual performance of 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 at this field day are calculated from data recorded within-site and within-drop and express the expected performance of progeny 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 for the association between traits, the heritability of the trait, adjustment for birth and rear type effects and the number of progeny a sire has in the analysis.

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	Y = Yearling	- 300 to 400 days
	W = Weaning	- 42 to 120 days	H = Hogget	- 400 to 540 days
	E = Early Post Weaning	- 120 to 210 days	A2 = Adult	- 1.5 to 2.5 years
	P = Post Weaning	- 210 to 300 days	A3 = Adult	- 2.5 to 3.5 years
Breeders flock, Sire number:	Identity of the breeder's flock and the sire's number or name.			
Classers Visual Grade:	A classer grades all progeny as either Tops, Flocks or Culls based on their visual assessment of all traits relative to the Site's Breeding Objective (see above) and is done in conjunction with the assessment of a range of visual traits. This classing reflects the approach that may be undertaken in a commercial flock.			
F1 Ewe:	First generation Merino ewe progeny that will be assessed through life.			
F2 Progeny:	Progeny of the F1 ewe that are assessed until weaning and then leave the project.			
Indexes:	A breeding index combines multiple flock breeding values into a single value that reflects a certain emphasis on these traits (see Understanding Indexes, page 23 for more information).			
Professional Classer Grade:	A classer grades all progeny as either a Top, First, 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 (um) 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 (%) NLB: Number of lambs born (lambs/100 ewes) NLW: Number of lambs weaned (lambs/100 ewes)	
Visual Traits as reported: Based on the Visual Sheep Scores.	BWR: Breech Wrinkle BCOV: Breech Cover DAG: Dag BDWR: Body Wrinkle COL: Wool Colour		FLROT: Fleece Rot CHAR: Wool Character LEGS: Feet and Legs FACE: Face Cover *Further traits are available in the Site Report.*	
Trait Leaders:	The highest performing 3 (or more if equal) sires for each trait (trait leaders) are highlighted by shading.			

2017 Sire and Contact Details

Sires are specifically selected for the project to generate a population that is industry representative. As a result, each site's sire list will include rams that represent a range in breeding philosophies, types, skin types, performance, age, horn status and industry usage.

Breeders flock, Sire number Sire ID [#], Breed [†]	Contact Details	Sire of Sire	Poll	Link Sire
Bundilla Poll, 140055 601435-2014-140055, Poll Merino	**Ross, Rick and Jill Baldwin** Bundilla, 706 Tubbul Road, Young NSW 2594 P: (02) 6383 3802, M: 0429 83 3837, E: bundillamerinos@bigpond.com	504081-2011-110107 (Bundilla, 110107)	PP	
Centre Plus Poll, 407185 601250-2014-407185, Poll Merino	**Robert Mortimer** Devondale, Tullamore NSW 2874 P: (02) 6892 8259, M: 0429 92 8292, E: robert@centreplus.com.au	601250-2012-207058 (Centre Plus Poll, 207058)	PP	
Collinsville Poll, 130545 (Apollo) 600105-2013-130545, Poll Merino	**Tim Dalla** PO Box 26, Hallett SA 5419 M: 0488 77 3329, E: Tim@collinsville.com.au	600105-2011-111122 (Collinsville Poll, 1122)	PP	Link Sire
DT Kenilworth, WH13017 504044-2013-H13017, Merino	**David Taylor** Kenilworth, 830 Valleyfield Road, Campbell Town TAS 7210 P: (03) 63 915582 M: 0407 51 7252, E: david@dtkenilworth.com.au	504044-2008-WH8219 (DT Kenilworth, WH8219)	HH	
Greendale, 140141 505069-2014-140141, Merino	**Alan McGufficke** Willarney, 850 Maffra Road, Cooma NSW 2630 P: (02) 6452 3605, M: 0429 44 8078, E: milliefarming@activ8.net.au	505069-2012-120012 (Greendale, 120012)	HH	
Lachlan Merinos Poll, 015305 601415-2015-015305, Poll Merino	**Glenn and Margot Rubie** Meadowbank, 94 Warroo Bridge Road, Forbes NSW 2871 P: (02) 6857 2118, M: 0428 57 2117, E: lachlanmerinos@activ8.net.au	600001-2013-130028 (Poll Boonoke, PB28)	PH	
Leahcim Poll, 132624 600815-2013-132624, Poll Merino	**Andrew and Rosemary Michael** PO Box 31, Snowtown SA 5520 P: (08) 8865 2085, M: 0418 82 8431, E: leahcimgenetics@bigpond.com	600815-2011-110490 (Leahcim Poll, 110490)	PP	
Tallawong Merinos, 150280 505011-2015-150280, Merino	**Frank Kaveney** Murrumville, Dog Trap Road, Yass NSW 2582 P: (02) 6227 5701, M: 0427 27 5701	500383-2011-003542 (Hazeldean, 11.3542 (Hugh))	PP	

Breeders flock, Sire number Sire ID [#], Breed [†]	Contact Details	Sire of Sire	Poll	Link Sire
Toland Poll, 151058 601082-2015-151058, Poll Merino	**Anna Toland** 1888 Feltrim Rd, Violet Town VIC 3669 P: (03) 5798 1650, M: 0438 98 1605, E: anna@tolandmerino.com.au	609040-2012-122281 (Merinotech WA Poll, 122281)	PP	
Trefusis, 150282 500013-2015-150282, Merino	**Georgina and Hamish Wallace** 1929 Tooms Lake Road, Ross TAS 7209 P: (03) 6381 5320, M: 0438 98 6257, E: gawallace@trefusis.com.au	504166-2012-122792 (Roseville Park, 122792)	HH	
Trigger Vale Poll, 140477 609251-2014-140477, Poll Merino	**Andrew and Mandi Bouffler** Valera, Lockhart NSW 2656 P: (02) 6920 7656, M: 0427 20 7656, E: info@triggervalesheepstuds.com.au	609251-2011-110511 (Trigger Vale Poll, 110511)	PP	Link Sire
Wallaloo Park Poll, 150422 601332-2015-150422, Poll Merino	**Trent Carter** 80 Bolangum Inn Road, Marnoo VIC 3387 P: (03) 5359 2290, M: 0427 77 6114, E: trent_carter@hotmail.com	600088-2013-130306 (Moorundie Park Poll, 130306)	PP	
West Plains Poll, 110004 (Mercenary) 601236-2011-110004, Poll Merino	**Drew Chapman** 306 Rocky Range Rd, Delegate NSW 2633 P: (02) 6458 8129, M: 0428 82 3533, E: laura.chapman1@bigpond.com	501341-2009-090089 (Hinesville, 090089)	PH	Link Sire

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

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

[†] **Breed** of flock in which the sire was born

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

2017 Drop

Raw Data

Counts – F1 Ewes

Breeders flock, Sire number	Marking 12/7/17	Weaning 22/9/17	Early Post Weaning 22/11/17	Post Weaning 7/2/18
Bundilla Poll, 140055	29	29	29	29
Centre Plus Poll, 407185	29	29	28	28
Collinsville Poll, 130545 (Apollo)	37	37	36	35
DT Kenilworth, WH13017	37	37	37	37
Greendale, 140141	20	18	18	18
Lachlan Merinos Poll, 015305	37	35	34	34
Leahcim Poll, 132624	36	35	35	35
Tallawong Merinos, 150280	39	36	36	36
Toland Poll, 151058	40	38	37	37
Trefusis, 150282	43	41	41	40
Trigger Vale Poll, 140477	42	42	42	42
Wallaloo Park Poll, 150422	34	29	29	27
West Plains Poll, 110004 (Mercenary)	25	24	24	24
Average	***34***	***33***	***33***	***32***
Total	**448**	**430**	**426**	**422**

Reductions in F1 Ewe counts are a result of mortality and culling for welfare reasons. Note that the drop was affected by a blood infection prior to weaning - which resulted in slightly higher than expected losses between marking and weaning.

Weights – F1 Ewes

Breeders flock, Sire number	Weaning (kg) 22/9/17	Early Post Weaning (kg) 22/11/17	Post Weaning (kg) 7/2/18	*Weight Gain (kg) Weaning to Post Weaning*
Bundilla Poll, 140055	24.3	33.4	39.0	*14.7*
Centre Plus Poll, 407185	24.2	33.7	40.1	*15.9*
Collinsville Poll, 130545 (Apollo)	26.1	34.8	41.3	*15.2*
DT Kenilworth, WH13017	25.3	34.2	40.0	*14.7*
Greendale, 140141	24.7	33.1	39.0	*14.3*
Lachlan Merinos Poll, 015305	24.3	32.9	39.4	*15.1*
Leahcim Poll, 132624	23.9	33.7	39.7	*15.8*
Tallawong Merinos, 150280	25.0	33.2	38.9	*13.9*
Toland Poll, 151058	23.2	32.8	39.2	*16.0*
Trefusis, 150282	26.2	34.8	40.0	*13.8*
Trigger Vale Poll, 140477	25.5	35.7	43.1	*17.6*
Wallaloo Park Poll, 150422	24.2	32.8	38.6	*14.4*
West Plains Poll, 110004 (Mercenary)	22.7	30.8	36.2	*13.5*
Average	**24.6**	**33.5**	**39.6**	***15.0***

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

2017 Drop

Raw Data

Birth and Rear Type – F1 Ewes

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

Breeders flock, Sire number	F1 Ewes Weaned	Birth Type (Scanning)			Rear Type (Weaning)		
		Single	Twin	Triplet	Single	Twin	Triplet
Bundilla Poll, 140055	29	13	12	4	15	10	4
Centre Plus Poll, 407185	29	9	17	3	13	14	2
Collinsville Poll, 130545 (Apollo)	37	15	19	3	18	18	1
DT Kenilworth, WH13017	37	13	20	4	18	18	1
Greendale, 140141	18	8	10		10	8	
Lachlan Merinos Poll, 015305	35	10	25		13	22	
Leahcim Poll, 132624	35	13	22		15	20	
Tallawong Merinos, 150280	36	18	13	5	23	11	2
Toland Poll, 151058	38	11	25	2	15	23	
Trefusis, 150282	41	13	27	1	22	19	
Trigger Vale Poll, 140477	42	18	24		22	20	
Wallaloo Park Poll, 150422	29	13	15	1	19	10	
West Plains Poll, 110004 (Mercenary)	24	7	15	2	9	13	2
Total	**430**	**161**	**244**	**25**	**212**	**206**	**12**
		37%	**57%**	**6%**	**49%**	**48%**	**3%**

Visual Scores – F1 Ewes

Breeders flock, Sire number	Marking 12/7/17	
	BWR	BCOV
Bundilla Poll, 140055	2.4	3.2
Centre Plus Poll, 407185	2.3	3.6
Collinsville Poll, 130545 (Apollo)	2.5	3.1
DT Kenilworth, WH13017	2.6	3.3
Greendale, 140141	3.3	3.3
Lachlan Merinos Poll, 015305	2.4	3.1
Leahcim Poll, 132624	2.3	3.0
Tallawong Merinos, 150280	2.8	3.2
Toland Poll, 151058	2.0	3.2
Trefusis, 150282	2.8	3.1
Trigger Vale Poll, 140477	1.7	2.8
Wallaloo Park Poll, 150422	2.7	3.1
West Plains Poll, 110004 (Mercenary)	2.7	3.6
Average	**2.5**	**3.2**

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

Adjusted Sire Means

Weight

Breeders flock, Sire number	WWT (kg)	PWT (kg)
Bundilla Poll, 140055	24.1	33.5
Centre Plus Poll, 407185	24.7	34.1
Collinsville Poll, 130545 (Apollo)	25.8	35.3
DT Kenilworth, WH13017	25.4	35.2
Greendale, 140141	25.1	34.1
Lachlan Merinos Poll, 015305	25.3	34.4
Leahcim Poll, 132624	25.6	35.4
Tallawong Merinos, 150280	24.7	33.1
Toland Poll, 151058	24.4	33.9
Trefusis, 150282	26.6	35.1
Trigger Vale Poll, 140477	26.5	37.3
Wallaloo Park Poll, 150422	24.8	34.1
West Plains Poll, 110004 (Mercenary)	24.6	32.8
Average	**25.2**	**34.5**

These Adjusted Sire Means were calculated using both the ewe and wether progeny of the sires.

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for differences in the foundation ewe sources).

Within-Site and Within-Drop Flock Breeding Values

Weight and WEC

Breeders flock, Sire number	Progeny Number^	WWT (kg)	PWT (kg)	PWEC
Bundilla Poll, 140055	66	-1.1	-1.3	12
Centre Plus Poll, 407185	68	-0.7	-0.7	8
Collinsville Poll, 130545 (Apollo)	67	0.8	1.1	24
DT Kenilworth, WH13017	73	0.7	1.3	28
Greendale, 140141	48	-0.4	-0.6	-35
Lachlan Merinos Poll, 015305	76	0.1	0.1	-14
Leahcim Poll, 132624	69	0.6	1.0	-1
Tallawong Merinos, 150280	69	-1.0	-1.8	9
Toland Poll, 151058	93	-0.8	-1.0	-20
Trefusis, 150282	80	1.3	1.0	-1
Trigger Vale Poll, 140477	76	2.3	3.9	5
Wallaloo Park Poll, 150422	59	-0.4	-0.6	-14
West Plains Poll, 110004 (Mercenary)	58	-1.3	-2.3	18

^ Progeny Number is the total progeny for each sire at weaning, including ewes and wethers

These Flock Breeding Values were calculated using both the ewe and wether progeny of the sires.
Please see page 2 for a full description of trait names and an explanation of Flock Breeding Values.

.

2016 Sire and Contact Details

Sires are specifically selected for the project to generate a population that is industry representative. As a result, each site's sire list will include rams that represent a range in breeding philosophies, types, skin types, performance, age, horn status and industry usage.

Breeders flock, Sire number Sire ID [#], Breed [†]	Contact Details	Sire of Sire	Poll	Link Sire
Bella Lana, 130296 505050-2013-130296, Merino	**Scott and Anna Brien** 302 Burrell Creek Road, Wellington NSW 2820 P: (02) 6846 7477, M: 0409 46 7477, E: brien@bellalana.com.au	600815-2011-111173 (Leahcim Poll, 111173)	HH	
Boyanga, 145112 504800-2014-145112, Merino	**Mark and Vicky Murphy** Karbullah, Goondiwindi QLD 4390 P: (07) 4676 1729, M: 0427 76 1739, E: karbullah5@bigpond.com	504800-2011-115056 (Boyanga, 115056)	PP	
Glen Donald, 120014 503543-2012-120014, Merino	**Robert Harding** 431 L Bones Rd, Nhill VIC 3418 P: (03) 5392 9271, M: 0417 56 5805	Unknown	HH	
Greendale, 120012 505069-2012-120012, Merino	**Alan McGufficke** Willarney, 850 Maffra Road, Cooma NSW 2630 P: (02) 6452 3605, M: 0429 44 8078, E: milliefarming@activ8.net.au	503298-2008-080121 (Nerstane, 080121)	HH	
Leahcim Poll, 090918 600815-2009-090918, Poll Merino	**Andrew and Rosemary Michael** PO Box 31, Snowtown SA 5520 P: (08) 8865 2085, M: 0418 82 8431, E: leahcimgenetics@bigpond.com	600815-2007-070319 (Leahcim Poll, 070319)	PP	Link Sire
One Oak No. 2, R56 503855-2010-100R56, Merino	**Graham Wells** 1763 Great Alpine Road, Smoko VIC 3741 M: 0428 44 2930, E: oneoakpl@bigpond.com	Unknown	HH	Link Sire
Pastora Poll, 082893 601090-2008-082893, Poll Merino	**Tim Westblade** Pastora, Lockhart NSW 2656 P: (02) 6920 5423, M: 0429 20 5423, E: trwesty@bigpond.com	Unknown	PP	
Poll Boonoke, 120020 600001-2012-120020, Poll Merino	**Angus Munro** Boonoke, Conargo Road, Deniliquin NSW 2710 P: (03) 5884 6604, M: 0488 60 1603, E: amunro@austfood.com.au	600001-2010-100001 (Poll Boonoke, 100001)	PH	

Breeders flock, Sire number Sire ID [#], Breed [†]	Contact Details	Sire of Sire	Poll	Link Sire
Pooginook Poll, 140632 601442-2014-140632, Poll Merino	**John Sutherland** Pooginook, Jerilderie NSW 2716 P: (02) 6954 6145, M: 0428 95 3017, E: pooginook@parawaypastoral.com	601442-2012-120506 (Pooginook Poll, 120506)	PH	
Roseville Park, 140611 504166-2014-140611, Merino	**Matthew and Cherie Coddington** Glenwood, 39R Dilladerry Rd MS3, Dubbo NSW 2830 P: (02) 6887 7286, M: 0428 63 5386, E: rpmerinos@bigpond.com	504166-2010-100038 (Roseville Park, 100038)	HH	
Trigger Vale Poll, 140477 609251-2014-140477, Poll Merino	**Andrew and Mandi Bouffler** Valera, Lockhart NSW 2656 P: (02) 6920 7656, M: 0427 20 7656, E: info@triggervalesheepstuds.com.au	609251-2011-110511 (Trigger Vale Poll, 110511)	PP	
Wattle Dale, 140754 503358-2014-140754, Merino	**Dave Vandenberghe** PO Box 11, Scaddan WA 6447 P: (08) 9078 6049, M: 0427 78 6049, E: wattledale@vandenberghepartners.com.au	601250-2009-907538 (Centre Plus Poll, 907538)	PH	
Wurrook, 130149 502250-2013-130149, Merino	**Paul Walton** 480 Wurrook Road, Rokewood VIC 3330 P: (03) 5346 1401, M: 0427 46 1401, E: wurrook@icloud.com	Unknown	HH	

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

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

[†] Breed of flock in which the sire was born

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

Raw Data

Counts – F1 Ewes

Breeders flock, Sire number	Marking 29/6/16	Weaning 25/10/16	Yearling Classing 24/3/17	Adult2 Classing 5/3/18
Bella Lana, 130296	32	31	29	29
Boyanga, 145112	43	41	39	37
Glen Donald, 120014	20	19	19	19
Greendale, 120012	23	20	20	20
Leahcim Poll, 090918	29	29	28	28
One Oak No. 2, R56	41	40	36	36
Pastora Poll, 082893	28	28	28	27
Poll Boonoke, 120020	30	29	29	29
Pooginook Poll, 140632	26	26	26	26
Roseville Park, 140611	16	16	16	16
Trigger Vale Poll, 140477	35	35	35	35
Wattle Dale, 140754	29	29	29	28
Wurrook, 130149	19	19	16	16
Average	**29**	**28**	**27**	**27**
Total	***371***	***362***	***350***	***346***

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

Raw Data

Wool Measurements – F1 Ewes

	Yearling 24/3/17						Adult2 5/3/18			
Breeders flock, Sire number	**GFW** (kg)	**CFW** (kg)	**FD** (um)	**CV** (%)	**SL** (mm)	**SS** (mm)	**FD** (um)	**CV** (%)	**SL** (mm)	**SS** (mm)
Bella Lana, 130296	2.9	2.0	16.3	18.4	84.8	32.9	19.5	16.0	121.4	29.7
Boyanga, 145112	2.6	1.9	16.0	18.3	90.8	29.0	19.0	15.5	121.5	35.4
Glen Donald, 120014	2.9	2.1	15.9	20.7	81.6	32.1	19.5	17.5	114.0	37.2
Greendale, 120012	3.0	2.0	15.0	19.1	82.3	34.6	17.9	16.3	115.2	37.6
Leahcim Poll, 090918	3.0	2.1	16.4	18.3	88.5	28.2	19.4	15.4	120.4	34.0
One Oak No. 2, R56	2.9	2.0	16.0	19.7	76.4	32.6	18.9	17.8	111.3	36.6
Pastora Poll, 082893	2.9	2.0	15.5	20.3	80.1	30.1	17.8	17.4	109.8	34.6
Poll Boonoke, 120020	3.0	2.1	15.7	19.9	83.7	29.7	19.0	17.1	114.5	34.3
Pooginook Poll, 140632	2.9	2.0	16.4	18.9	84.8	33.0	19.9	15.9	116.3	37.3
Roseville Park, 140611	3.0	2.0	15.5	19.0	75.7	30.7	18.1	16.1	111.3	36.3
Trigger Vale Poll, 140477	3.0	2.0	17.4	17.3	87.0	36.5	20.4	14.7	119.0	34.3
Wattle Dale, 140754	3.0	2.1	15.4	19.6	80.8	32.7	18.1	16.1	115.9	37.2
Wurrook, 130149	2.9	2.0	15.4	20.7	74.2	36.2	17.9	17.8	108.1	36.8
Average	**2.9**	**2.0**	**15.9**	**19.2**	**82.4**	**32.2**	**18.9**	**16.4**	**115.3**	**35.5**

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

2016 Drop

Raw Data

Weights – F1 Ewes

Breeders flock, Sire number	Weaning (kg) 25/10/16	Post Weaning (kg) 31/1/17	Yearling (kg) 17/5/17	*Weight Gain (kg) Weaning to Yearling*	Hogget (kg) 15/07/17	Adult2 Pre Joining (kg) 21/12/17	*Weight Gain (kg) Weaning to Joining*
Bella Lana, 130296	30.0	34.7	37.3	7.3	49.3	63.6	33.6
Boyanga, 145112	28.9	33.5	36.8	7.9	47.0	62.2	33.3
Glen Donald, 120014	30.8	35.2	36.3	5.5	47.8	63.8	33.0
Greendale, 120012	29.1	33.7	36.3	7.2	48.3	62.7	33.6
Leahcim Poll, 090918	31.6	37.3	39.6	8.0	50.9	67.2	35.6
One Oak No. 2, R56	30.7	34.5	37.9	7.2	48.8	63.6	32.9
Pastora Poll, 082893	29.0	33.4	34.8	5.8	45.5	59.9	30.9
Poll Boonoke, 120020	29.7	34.1	36.2	6.5	47.6	62.1	32.4
Pooginook Poll, 140632	29.8	34.7	37.1	7.3	48.6	63.1	33.3
Roseville Park, 140611	29.8	32.8	35.7	5.9	46.9	59.4	29.6
Trigger Vale Poll, 140477	32.5	38.4	41.8	9.3	53.3	68.3	35.3
Wattle Dale, 140754	30.5	33.6	36.6	6.1	47.2	61.9	31.4
Wurrook, 130149	29.6	32.6	34.9	5.3	45.4	58.3	28.7
Average	**30.2**	**34.5**	**37.0**	**6.8**	**48.2**	**62.8**	**32.5**

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

Raw Data

Condition Score and Carcase Measurements – F1 Ewes

	Condition Score			Carcase Measurements			
				Hogget 15/7/17		Adult2 Pre Joining 21/12/17	
Breeders flock, Sire number	**Yearling 17/5/17**	**Hogget 4/10/17**	**Adult2 Pre Joining 21/12/17**	**EMD** (mm)	**FAT** (mm)	**EMD** (mm)	**FAT** (mm)
Bella Lana, 130296	2.4	3.3	3.7	25.6	3.1	27.7	4.2
Boyanga, 145112	2.4	3.4	3.6	24.0	3.9	27.6	5.6
Glen Donald, 120014	2.3	3.3	3.5	22.6	2.7	24.8	3.8
Greendale, 120012	2.4	3.5	3.6	23.5	3.0	25.8	3.9
Leahcim Poll, 090918	2.5	3.6	3.7	24.0	3.1	27.2	4.7
One Oak No. 2, R56	2.5	3.4	3.7	23.4	2.7	25.8	3.6
Pastora Poll, 082893	2.3	3.3	3.6	23.2	2.2	26.7	3.8
Poll Boonoke, 120020	2.4	3.5	3.7	24.1	2.7	26.8	3.6
Pooginook Poll, 140632	2.4	3.4	3.5	23.7	2.7	26.6	3.9
Roseville Park, 140611	2.3	3.1	3.5	23.7	2.9	25.6	4.0
Trigger Vale Poll, 140477	2.6	3.7	3.9	25.2	3.7	26.6	5.1
Wattle Dale, 140754	2.4	3.4	3.6	23.4	2.6	24.9	3.6
Wurrook, 130149	2.3	3.1	3.4	22.3	2.8	24.2	3.3
Average	**2.4**	**3.4**	**3.6**	**23.7**	**2.9**	**26.3**	**4.1**

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

Raw Data

Birth and Rear Type – F1 Ewes

****This relates to 2016 Drop F1 Ewes <u>own</u> birth and rear type****

Breeders flock, Sire number	F1 Ewes Weaned	Birth Type (Scanning)			Rear Type (Weaning)		
		Single	Twin	Triplet	Single	Twin	Triplet
Bella Lana, 130296	31	16	15		19	12	
Boyanga, 145112	41	12	24	5	22	18	1
Glen Donald, 120014	19	14	5		15	4	
Greendale, 120012	20	9	11		11	9	
Leahcim Poll, 090918	29	9	18	2	14	15	
One Oak No. 2, R56	40	15	22	3	21	19	
Pastora Poll, 082893	28	11	14	3	16	12	
Poll Boonoke, 120020	29	14	14	1	16	13	
Pooginook Poll, 140632	26	12	11	3	14	12	
Roseville Park, 140611	16	6	10		6	10	
Trigger Vale Poll, 140477	35	10	25		17	18	
Wattle Dale, 140754	29	16	13		19	10	
Wurrook, 130149	19	10	9		11	8	
Total	**362**	**154** **42%**	**191** **53%**	**17** **5%**	**201** **56%**	**160** **44%**	**1** **0%**

Raw Data

Reproduction in 2018 – F1 Ewes

Breeders flock, Sire number	Ewes Joined	Pregnancy Scanning – Ewe Numbers 12/3/18				
		Empty	Single	Twin	Number Foetuses	Foetus Rate[1]
Bella Lana, 130296	29	2	18	9	36	124%
Boyanga, 145112	37	4	17	16	49	132%
Glen Donald, 120014	19	4	7	8	23	121%
Greendale, 120012	20	1	14	5	24	120%
Leahcim Poll, 090918	28	1	10	16	42	150%
One Oak No. 2, R56	36	10	13	13	39	108%
Pastora Poll, 082893	28	6	13	8	29	104%
Poll Boonoke, 120020	29	12	8	9	26	90%
Pooginook Poll, 140632	26	0	15	11	37	142%
Roseville Park, 140611	16	3	9	4	17	106%
Trigger Vale Poll, 140477	35	5	19	11	41	117%
Wattle Dale, 140754	29	3	12	13	38	131%
Wurrook, 130149	16	5	4	7	18	113%
Total	**348**	**56** ***16%***	**159** ***46%***	**130** ***38%***	***419***	***121%***

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

2016 Drop

Raw Data

Visual Scores – F1 Ewes

Breeders flock, Sire number	Marking 29/6/17		Yearling 24/3/17						Hogget 11/9/17	Adult2 5/3/18		
	BWR	BCOV	BDWR	COL	FLROT	CHAR	LEGS	FACE	DAG	COL	CHAR	FACE
Bella Lana, 130296	2.1	2.3	2.0	2.1	1.1	2.3	1.6	2.9	1.3	1.8	1.9	2.9
Boyanga, 145112	1.8	2.9	1.5	2.4	1.3	2.5	1.6	2.6	1.2	1.5	1.7	2.6
Glen Donald, 120014	2.5	2.6	2.4	2.0	1.5	1.9	1.3	3.0	1.0	1.6	1.7	3.0
Greendale, 120012	3.0	2.8	2.3	2.2	1.4	2.0	1.4	3.0	1.3	1.5	1.6	3.0
Leahcim Poll, 090918	1.8	3.2	1.2	2.6	1.5	2.8	1.4	2.8	1.1	1.7	1.7	2.8
One Oak No. 2, R56	3.2	2.5	2.2	1.9	1.2	2.4	1.5	2.9	1.0	1.5	1.5	3.0
Pastora Poll, 082893	2.7	2.9	2.1	2.5	1.5	2.4	1.9	2.8	1.5	1.7	1.7	2.9
Poll Boonoke, 120020	2.5	2.7	2.0	2.3	1.2	2.6	1.6	3.0	1.0	1.6	1.8	3.0
Pooginook Poll, 140632	2.4	3.3	2.0	2.1	1.2	2.3	1.4	3.0	1.6	1.7	1.7	2.8
Roseville Park, 140611	3.0	3.3	2.2	2.4	1.3	1.7	2.0	2.8	1.3	1.9	1.4	3.0
Trigger Vale Poll, 140477	1.6	2.8	1.5	2.5	1.2	3.0	1.7	2.9	1.4	1.7	2.0	2.9
Wattle Dale, 140754	2.9	2.5	2.4	1.8	1.3	1.9	1.3	2.9	1.5	1.2	1.6	3.0
Wurrook, 130149	2.8	2.9	2.3	1.8	1.2	2.1	2.0	3.1	1.7	1.4	1.8	3.0
Average	**2.5**	**2.8**	**2.0**	**2.2**	**1.3**	**2.3**	**1.6**	**2.9**	**1.3**	**1.6**	**1.7**	**2.9**

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

Raw Data

Professional Classer Grade – F1 Ewes

Classer: Craig Wilson **Results are ewe numbers as classed into each grade.**

Breeders flock, Sire number	Hogget 4/10/17 Top	First	Flock	Sale	Cull	Adult2 5/3/18 Top	First	Flock	Sale	Cull
Bella Lana, 130296		4	19	6			2	11	15	1
Boyanga, 145112		2	20	13	2		1	16	15	5
Glen Donald, 120014	1	8	6	2	2	1	7	5	5	1
Greendale, 120012		4	14	2			7	11	2	
Leahcim Poll, 090918	1	4	13	11			2	14	11	1
One Oak No. 2, R56		6	20	10			13	18	5	
Pastora Poll, 082893		1	12	13	1		1	18	7	1
Poll Boonoke, 120020		4	15	8	2		4	17	7	1
Pooginook Poll, 140632		3	16	6	1		1	17	8	
Roseville Park, 140611		3	9	4		1	2	7	5	1
Trigger Vale Poll, 140477		2	14	19			5	14	14	2
Wattle Dale, 140754		7	14	7	1		5	13	6	4
Wurrook, 130149		3	9	2	2		4	6	6	
Total	**2**	**51**	**181**	**103**	**11**	**2**	**54**	**167**	**106**	**17**
	1%	***15%***	***52%***	***30%***	***3%***	***1%***	***16%***	***48%***	***31%***	***5%***

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 24 is presented as Flock Breeding Values which are adjusted for birth effects, sire progeny numbers and associations between traits. More information about these differing approaches can be found on page 2.

.

Raw data has not been adjusted for factors that may improve its accuracy such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for difference in the foundation ewe sources).

Adjusted Sire Means

Wool

Breeders flock, Sire number	YGFW (kg)	YCFW (kg)	YFD (um)	AFD (um)	YFDCV (%)	AFDCV (%)	YSL (mm)	ASL (mm)	YSS (NKtex)	ASS (NKtex)
Bella Lana, 130296	2.8	1.9	16.5	19.6	18.3	15.9	85.6	122.3	32.7	29.4
Boyanga, 145112	2.6	1.9	16.1	19.0	18.1	15.3	91.6	122.5	28.6	35.2
Glen Donald, 120014	2.8	2.0	16.1	19.6	20.3	17.3	83.1	115.5	31.5	36.3
Greendale, 120012	3.0	2.0	15.0	17.9	19.1	16.2	82.6	115.4	35.1	38.0
Leahcim Poll, 090918	3.0	2.1	16.5	19.4	18.3	15.3	88.9	121.5	28.0	34.1
One Oak No. 2, R56	2.9	2.0	16.0	18.8	19.5	17.6	77.1	111.8	32.3	36.4
Pastora Poll, 082893	2.9	1.9	15.6	17.9	20.2	17.3	80.2	110.0	29.9	34.8
Poll Boonoke, 120020	3.0	2.1	15.7	19.1	19.7	17.0	84.2	115.2	29.3	34.1
Pooginook Poll, 140632	2.9	2.0	16.6	20.0	18.6	15.7	86.1	117.6	32.8	36.9
Roseville Park, 140611	2.9	1.9	15.5	18.1	19.1	16.0	75.4	111.0	30.5	36.3
Trigger Vale Poll, 140477	3.0	2.0	17.5	20.3	17.2	14.5	87.7	119.6	36.6	34.0
Wattle Dale, 140754	3.0	2.1	15.5	18.2	19.3	15.9	81.8	116.9	32.5	37.0
Wurrook, 130149	2.9	2.0	15.5	17.8	20.6	17.8	74.6	107.3	36.2	36.6
Average	**2.9**	**2.0**	**16.0**	**18.9**	**19.1**	**16.3**	**83.0**	**115.9**	**32.0**	**35.3**

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).

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

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for differences in the foundation ewe sources).

Adjusted Sire Means

Weight and Carcase

Breeders flock, Sire number	WWT (kg)	PWT (kg)	YWT (kg)	HWT (kg)	AWT (kg)	HEMD (mm)	HFAT (mm)
Bella Lana, 130296	31.8	35.0	41.5	57.2	67.3	24.5	2.7
Boyanga, 145112	30.4	33.6	40.5	53.2	66.2	23.8	3.6
Glen Donald, 120014	31.0	34.7	39.8	54.0	67.2	22.4	2.4
Greendale, 120012	30.0	33.2	39.1	52.7	65.8	22.7	2.7
Leahcim Poll, 090918	32.7	36.1	42.9	56.1	71.0	23.1	2.8
One Oak No. 2, R56	32.0	35.4	40.6	53.9	67.4	22.7	2.4
Pastora Poll, 082893	31.1	33.8	38.9	52.9	63.0	23.3	2.2
Poll Boonoke, 120020	30.3	33.4	39.4	52.0	65.6	23.6	2.4
Pooginook Poll, 140632	31.1	34.4	40.9	55.8	66.7	23.3	2.7
Roseville Park, 140611	31.1	34.0	39.4	53.9	62.4	23.2	2.6
Trigger Vale Poll, 140477	33.6	37.4	45.1	60.2	72.5	23.8	3.4
Wattle Dale, 140754	30.9	34.0	39.3	52.4	65.6	23.0	2.6
Wurrook, 130149	30.9	33.6	39.1	51.8	61.2	22.3	2.6
Average	**31.3**	**34.5**	**40.5**	**54.3**	**66.3**	**23.2**	**2.7**

W = Weaning (42 to 120 days); P = Post Weaning (210 to 300 days); Y = Yearling (300 to 400 days); H = Hogget (400 to 540 days); A = Adult (540 days and older)

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

Adjustments account for factors that may improve accuracy of using the results such as birth and rear type, age of dam, age of measurement and management group (which includes accounting for differences in the foundation ewe sources).

Within-Site and Within-Drop Flock Breeding Values

Wool

Breeders flock, Sire number	Progeny Number^	YGFW (%)	YCFW (%)	YFD (um)	AFD (um)	YFDCV (%)	AFDCV (%)	YSL (mm)	ASL (mm)	YSS (NKtex)	ASS (NKtex)
Bella Lana, 130296	62	-2	-5	0.7	0.9	-1.0	-0.7	5.0	6.8	-0.5	-3.7
Boyanga, 145112	68	-12	-12	0.1	-0.1	-1.7	-1.5	10.9	9.9	-2.4	-1.4
Glen Donald, 120014	33	4	9	0.5	1.0	1.7	1.3	-0.1	1.4	-0.3	0.3
Greendale, 120012	37	3	0	-1.5	-1.6	-0.1	-0.3	-1.6	-0.7	1.6	1.9
Leahcim Poll, 090918	61	2	5	0.8	0.8	-1.0	-1.3	8.4	8.9	-2.5	-0.6
One Oak No. 2, R56	65	0	0	-0.3	-0.5	1.2	1.6	-8.3	-8.3	0.5	0.2
Pastora Poll, 082893	59	0	-2	-1.1	-1.5	1.5	1.3	-6.0	-7.9	-2.9	-2.2
Poll Boonoke, 120020	51	4	6	-0.4	-0.2	1.4	1.2	0.6	0.8	-3.4	-3.3
Pooginook Poll, 140632	64	2	2	1.2	1.6	-0.6	-0.7	3.8	4.5	2.0	2.4
Roseville Park, 140611	44	-2	-3	-0.9	-1.0	0.0	0.0	-8.5	-7.2	-0.8	-0.1
Trigger Vale Poll, 140477	68	0	-1	2.6	2.7	-2.8	-2.3	7.4	4.9	5.3	3.2
Wattle Dale, 140754	49	2	2	-0.9	-1.0	-0.4	-0.7	-1.7	-0.6	1.6	2.3
Wurrook, 130149	45	-1	-1	-0.7	-1.1	1.8	2.0	-9.9	-12.6	1.8	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)

^ Progeny Number is the total progeny 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 2 for a full description of trait names and an explanation of Flock Breeding Values.

Within-Site and Within-Drop Flock Breeding Values

Weight, Carcase and WEC

Breeders flock, Sire number	Progeny Number^	WWT (kg)	PWT (kg)	YWT (kg)	HWT (kg)	AWT (kg)	HEMD (mm)	HFAT (mm)	PWEC (%)
Bella Lana, 130296	62	0.5	0.9	1.8	2.6	3.1	2.0	0.4	-26
Boyanga, 145112	68	-0.9	-0.9	-1.0	-0.3	-1.0	1.6	3.9	-3
Glen Donald, 120014	33	0.0	-0.1	-0.5	-0.6	0.2	-1.3	-1.2	-22
Greendale, 120012	37	-1.2	-1.6	-2.0	-1.6	-2.1	-0.9	-0.3	-17
Leahcim Poll, 090918	61	1.6	2.9	3.8	3.7	4.1	0.1	0.6	-2
One Oak No. 2, R56	65	0.3	0.2	-0.1	-1.0	-0.9	-1.0	-1.5	46
Pastora Poll, 082893	59	-0.5	-1.3	-2.2	-2.4	-2.1	-0.3	-2.1	-18
Poll Boonoke, 120020	51	-1.1	-1.7	-2.2	-2.8	-2.8	0.2	-1.4	-3
Pooginook Poll, 140632	64	0.3	0.8	1.4	1.5	2.0	0.2	-0.1	55
Roseville Park, 140611	44	-0.7	-1.4	-1.7	-1.9	-2.5	-0.2	-0.5	10
Trigger Vale Poll, 140477	68	3.3	5.6	8.0	9.1	9.1	1.6	3.3	-21
Wattle Dale, 140754	49	-0.7	-1.4	-1.6	-2.0	-2.4	-0.4	-0.6	19
Wurrook, 130149	45	-0.9	-1.9	-3.7	-4.3	-4.6	-1.5	-0.7	6

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).

^ Progeny Number is the total progeny 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 2 for a full description of trait names and an explanation of Flock Breeding Values.

Understanding Indexes

A breeding index combines multiple Flock Breeding Values into a single value that reflects a certain emphasis on these traits. It is important that you use an index that best matches the breeding objective and production system of the flock you are selecting for.

It is recommended that the performance of individual Flock Breeding Values and visually assessed traits is used in conjunction with an index as selection indexes assist in making balanced selection decisions.

Site Reports present 4 indexes, DP+; MP+; FP+ and WP+. The first 3 of these indexes are the same as MERINOSELECT indexes of that name but account for the fact that direct reproduction records have not been captured by AMSEA sire evaluation. The WP+ index is unique to AMSEA.

Provided is the percentage contribution that each trait makes to economic gain in a commercial flock that uses an index for sire selection. Additionally, included for each index are the likely within-flock responses from using an index for 10 years. These responses are based on a ram breeding flock with a standard breeding program, no introduction of outside genetics and uses 35% of their selection emphasis on traits that are not in the index (such as visually assessed performance).

Dual Purpose Plus (DP+)

Based on a meat focused production system where surplus progeny are sold as lambs and a portion of ewes are joined to terminal sires. Large increase in body weight and carcase traits. Moderate increase in fleece weight. Maintain fibre diameter and staple strength. Moderate increase in reproduction.

Merino Production Plus (MP+)

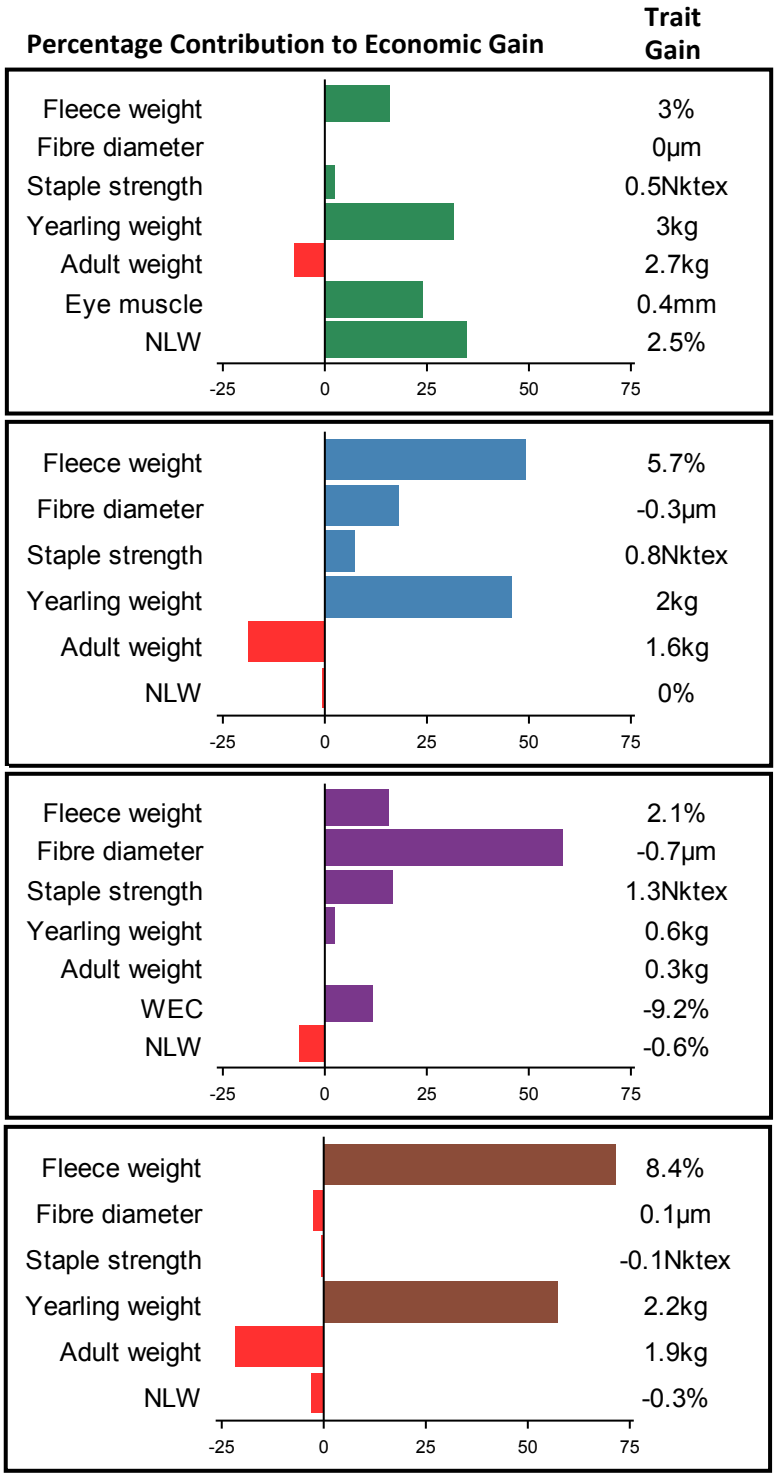
Based on a balanced wool and meat production system where surplus progeny are sold as hoggets. Balanced emphasis on increasing fleece weight and reduction in fibre diameter. Moderate increase in body weight, with little change in reproduction.

Fibre Production Plus (FP+)

Based on a wool production system where wethers are retained, operating in an environment where worms cause economic losses. Large reduction in fibre diameter. Moderate increase in staple strength. Small reduction in WEC (if measured in the breeding program). Small increase in fleece weight. Little change in body weight and reproduction.

Wool Production Plus (WP+)

Based on the MP+ production system with a greater emphasis on increasing fleece weight, while maintaining fibre diameter and a moderate emphasis on increasing body weight.



Within-Site and Within-Drop

Indexes

Breeders flock, Sire number	Dual Purpose Plus	Merino Production Plus	Fibre Production Plus	Wool Production Plus
Bella Lana, 130296	111	88	86	94
Boyanga, 145112	93	81	84	81
Glen Donald, 120014	94	104	103	110
Greendale, 120012	101	118	125	107
Leahcim Poll, 090918	105	97	89	103
One Oak No. 2, R56	98	104	103	102
Pastora Poll, 082893	97	102	111	98
Poll Boonoke, 120020	100	100	101	103
Pooginook Poll, 140632	103	96	86	101
Roseville Park, 140611	99	105	108	100
Trigger Vale Poll, 140477	118	91	77	100
Wattle Dale, 140754	101	112	114	105
Wurrook, 130149	82	102	110	96

These Indexes were calculated using all the available data collected on both the F1 ewe and F1 wether progeny of the sires.

Within-Site and Within-Drop Flock Breeding Values

Classer's Visual Grade – F1 Ewes

Classer: Ben Patrick

Breeders flock, Sire number	Progeny Number^	HTOPS (%)	A2TOPS (%)	HCULLS (%)	A2CULLS (%)
Bella Lana, 130296	31	-13	-12	-4	-6
Boyanga, 145112	41	-12	-12	-1	9
Glen Donald, 120014	19	15	16	12	1
Greendale, 120012	20	3	2	-15	-10
Leahcim Poll, 090918	29	12	-8	-9	-3
One Oak No. 2, R56	40	20	32	-4	-3
Pastora Poll, 082893	28	-13	-12	-7	-3
Poll Boonoke, 120020	29	-4	-3	-5	-2
Pooginook Poll, 140632	26	2	3	0	-7
Roseville Park, 140611	16	-17	-7	8	10
Trigger Vale Poll, 140477	35	-6	-4	-7	-1
Wattle Dale, 140754	29	11	22	5	-1
Wurrook, 130149	19	-1	-16	27	17
Average	**28**	**17**	**20**	**14**	**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).

^ Progeny Number is the total ewe progeny for each sire at weaning.

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

Please see page 2 for a full description of trait names and an explanation of Flock Breeding Values.

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 Flock Breeding Values which are adjusted for birth effects, sire progeny numbers and associations between traits.
The Professional Classing results reported on page 19 are raw unadjusted data based on a five way class. More information about these differing approaches can be found on page 2.

MerinoLink Site Committee

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

Rich Keniry	Eurimbla
Sally Martin	Young
Craig Wilson	Wagga Wagga
Mark Mortimer	Tullamore
Rick Baldwin	Young
Mal Peake	Yass
John Sutherland	Jerilderie
Tim Westblade	Lockhart
Rachael Gawne	Young
Marty Moses	Temora
Simon Coddington	Young
Adele Offley	Young
Will Clark-Dickson	Young

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.

MerinoLink Limited would like to acknowledge the ongoing support of Marty Moses and his staff. Without their assistance this MLP site would not have been achievable.

Disclaimer

This publication contains raw data which has not been adjusted for factors that may improve its accuracy. It should only be used as a general aid and is not a substitute for specific advice. To the extent permitted by law, AWI and AMSEA exclude all liability for loss or damage arising from the use of the information in this publication.

Updates

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

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

For 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 MerinoLink Limited
Please contact Sally Martin, MerinoLink CEO, on 0400 782 477 or merinolinklimited@gmail.com


MLP
Merino Lifetime
Productivity Project


awi
Australian
Wool Innovation
Limited


AUSTRALIAN MERINO SIRE EVALUATION ASSOCIATION
MERINO
Superior Sires


Merino
LINK