

MerinoLink 2017 Drop

Overview of Professional, AMSEA and Wells Classer Trial June 2025

Raw Data and Index

Introduction

The MerinoLink site was hosted by Moses and Son, Bluechip Livestock and MerinoLink at “The Vale”, Temora. The site was one of five sites participating in the AWI-funded Merino Lifetime Productivity (MLP) Project, facilitated by the Australian Merino Sire Evaluation Association.

2017 Drop Key Assessments and Dates

A total of 13 industry sires were used to join a ewe base comprising five ewe sources to produce the 2017 MerinoLink ewes. The bulk of the ewe base was sourced from a previous sire evaluation, with ewes supplemented from three stud sources, with one of those studs also providing commercial ewes.

The ewes were born during May 2017 at Cootamundra, NSW, in good seasonal conditions. Weaning took place mid–September, and at the end of November, the ewes were trucked to “The Vale” at Temora. Extremely dry conditions persisted at Temora for 2018 and 2019, with the ewes receiving supplementary feed of grain and hay across these two years. Grazing crops were incorporated wherever possible. From 2020 to 2022, above-average rainfall fell, and significant feed supplementation was not required.

Event	Date	Age Stage	Lactation Status	Age and Wool Growth
Birth	May 2017			
Yearling Assessment	March 2018	Y	Dry	10 months, 10 months' wool
<i>First Joining</i>	<i>December 2018</i>		Dry	
Adult 2 Assessment	March 2019	A2	Pregnant	22 months, 12 months' wool
Adult 22*	October 2019	A22	Post lambs weaned	2.5 years, 7 months' wool
Adult 3	October 2020	A3	Post lambs weaned	3.5 years, 12 months' wool
Adult 4	October 2021	A4	Post lambs weaned	4.5 years, 12 months' wool
Adult 5 (Nathan K)	<i>April 2022</i>	A5	<i>Pregnant</i>	<i>5.0 years, 6 months' wool</i>
Adult 5	October 2022	A5	Post lambs weaned	5.5 years, 12 months' wool

*Changeover to an October shearing (previously March) resulted in a second A2 assessment called A22

As per MLP protocol the 2017 drop ewes were classed annually at each assessment for six years using two classing approaches – the AMSEA class (undertaken initially by Ben Patrick and Jim Meckiff), and the Professional class (undertaken by Craig Wilson). In addition, The Wells Classer Trial assessments took place three times; at Yearling, Adult 2 and Adult 5.5 years of age (October 2022). Bill Walker and Nathan King were the two classers appointed at this site. Please note that Nathan King was unable to class at 5.5 years, so his classing took place at 5 years of age in 6 months wool late in April 2022 and Chris Bowman classed the ewes at 5.5 years.

Merinolink 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.

Classing Methodology

Professional Class Process – Craig Wilson

- Drop randomly presented, no measured performance, animals classed to site breeding objective
- Classed 5 ways with reason for class recorded
 - Tops – Top 1% (Equivalent to sire selection or ET ewe)
 - Studs – Top 2–10% (Equivalent to special stud ewe selection)
 - 2nds – Top 10–70% (Equivalent to classed in ewe)
 - Sales – Bottom 10–30% (Equivalent to sale ewe line)
 - Culls – Bottom 10% (Equivalent to cull line)

AMSEA Grade Process – Ben Patrick (Yearling – Adult 3), Jim Meckiff (Adult 4 – Adult 5)

- Drop randomly presented, no data provided, animals classed to the site breeding objective
- Classed three ways: Top 25%, Flock 50%, Cull 25%

Classer Trial Process – Bill Walker and Nathan King (and Chris Bowman at A5)

- Classed within sire progeny groups
- Birth type, rearing type, nominated breeding objective and wool type provided (superfine/fine or fine/medium or medium/strong).
- Classed to sire specific breeding objective, fixed portion of animals in each classing grade
- Classed four ways with reason for class recorded – **Approximately 30 sheep per sire**
 - 10%=Tops (always top 3 sheep), 25%= Seconds (7–8 sheep), 30% = Sales (9 sheep), 35%= Culls (10–11 sheep)

Breeding Objective 1 (BO 1)

- Main objective: Increase growth (Post Weaning weight), carcase traits and fertility
- Secondary objective: Maintain micron and fleece weight

Breeding Objective 2 (BO 2)

- Main objective: Increase fleece weight, growth, carcase traits and fertility
- Secondary objective: Maintain micron

Breeding Objective 3 (BO 3)

- Main objective: Increase fleece weight, increase wool quality, maintain or slightly reduce micron
- Secondary objective: Maintain or slightly increase body weight and fertility

Breeding Objective 4 (BO 4)

- Main objective: Reduce micron and increase wool quality
- Secondary objective: Increase staple strength, fleece weight, body weight and fertility.
- Optional: Reduce worm burdens

Glossary

Raw data is presented as lifetime performance. The ewes were shorn six times (twice at A2 stage) and joined four times.

- **Count or N** is the number of ewes in each grade that have full lifetime records used for reporting.
- **Average CFW for ewes present at all 6 shearings** = clean fleece weight (kg)
- **Average for ewes present at all 6 assessments** **FD** = fibre diameter (um), **SL** = staple length (mm), **SS** = staple strength (N/ktex), **FAT** = fat depth (mm), **EMD** = eye muscle depth (mm), **WT** = pre-joining weight (animals with 4 prejoining records (kg)
- **WR** = raw number of lambs weaned (for ewes that were joined 4 times)
- **MP+** = within flock selection index, selects for sheep for a production system that has a balance of wool and surplus Merino sheep sales with balanced improvement of fleece weight and fibre diameter. The reported value is the final index derived from all measured data.

Visual Scores: **Dag**=Dag, **Bdwr**=body wrinkle, **Char**=wool character, **Col**=wool colour, **Flrot**=fleece rot, **Dust**=dust penetration, **Back**=shoulder/back, **Legs**=Legs/feet, **Face**=face cover, **Spig**=non fibre pigmentation, **Jaw**=jaw structure.

- When referring to classing group, the word “**class**” and “**grade**” have been used interchangeably.

Raw data has also been expressed as a **deviation from average**, with CFW, WT and WR presented as percent (%) deviation from the lifetime average, and all other traits in their units of measurement (denoted trait name plus “D”).

Sire ID	Sire Name	Sire Abbreviation
6014352014140055	Bundilla Poll, 140055	BUND 140055
6012502014407185	Centre Plus Poll, 407185	CPLUS 407185
6001052013130545	Collinsville Poll, 130545 (Apollo)	COLL 130545
5040442013H13017	DT Kenilworth, WH13017	DTKEN 13017
5050692014140141	Greendale, 140141	GREEN 140141
6014152015015305	Lachlan Merinos Poll, 015305	LACHLAN 305
6008152013132624	Leahcim Poll, 132624	LEAHC 132624
5050112015150280	Tallowong Merinos, 150280	TALLA 150280
6010822015151058	Toland Poll, 151058	TOL 151058
5000132015150282	Trefusis, 150282	TREF 150282
6092512014140477	Trigger Vale Poll, 140477	TRIG 140477
6013322015150422	Wallaloo Park Poll, 150422	WPARK 422
6012362011110004	West Plains Poll, 110004 (Mercenary)	WEST 110004

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. © 2025 Australian Wool Innovation Limited and Australian Merino Sire Evaluation Association Incorporated. All rights reserved. **Note that there has been no statistical analysis completed.**

Overview of Results Presented

The following classer results capture the performance by grade of the 2017 drop MerinoLink ewes based on the Professional, AMSEA and Wells Classer Trial classing approaches.

The results for the Professional and AMSEA grade are initially packaged at the drop level and show average lifetime performance of animals based on their classer grades at each stage of classer assessment. Following the average performance tables, results show how the animals change in grades over time.

In the Wells Classer Trial section, the tables initially display results at the drop level, then report them for each sire group. There is also a comparison of the changes in classer grade over time.

An appended report (page 30) evaluates the long-term productivity of ewes based on their first two AMSEA and Professional classer grades. By analysing the lifetime performance of animals designated as either 'retained (Top/Flock)' or 'removed (Cull)' during early assessments, the impact of early visual selection over the lifetime of the flock can be considered.

When comparing classer versus index selection, we recognise that some animals are allocated to lower classer grades based on a fault rather than their observed fleece or carcase performance. We also recognise that a classer is evaluating considerably more traits than the number of traits used to generate an index.

Factors to Consider:

- Mixed ewe base will have an impact on classing
- Change in classer has impacted results
- The change in shearing date means that wool length has influenced classing
- The Wells Classing approach doesn't appear to have offered an advantage over the Professional and AMSEA class

Best time to do an early Class:

- Professional and AMSEA – at the second assessment prior to first lamb

Classers are selecting for:

- Professional – selecting for CFW, FD, SS, SL (at times), WT, better feet/legs, lower dust penetration, better wool character, although more wrinkle
- AMSEA – selecting for CFW, WT, SS, better feet and legs, at times more wrinkle, and at times lower dust penetration and better wool character.

Impact of ewe's reproduction status on classing:

- Professional and AMSEA – impacted classing

Change over time:

- Professional and AMSEA – approx 50% or a little under for repeatability between classings

<p>AMSEA Class – Yearling to Adult 2 – Three Way Grade</p> <ul style="list-style-type: none">• 50% Stay in the same grade• 96% Stay in the same or change by one grade• 4% of animals change by two grades <p>AMSEA Class – Adult 2 to Adult 22 – Three Way Grade</p> <ul style="list-style-type: none">• 52% Stay in the same grade• 98% Stay in the same or change by one grade• 2% of animals change by two grades	<p>Professional Class – Yearling to Adult 2– Five Way Grade</p> <ul style="list-style-type: none">• 50% Stay in the same grade• 93% Stay in the same or change by one grade• 7% of animals change by two grades <p>Professional Class – Adult 2 to Adult 22 - Five Way Grade</p> <ul style="list-style-type: none">• 47% Stay in the same grade• 93% Stay in the same or change by one grade• 7% of animals change by two grades
---	--

Professional Classer Grade Results

MerinoLink 2017 Drop – Professional Class – Craig Wilson Measured LIFETIME Performance by Grade (Drop Level) – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A5 MP+ Index - followed by Average Lifetime Scored Dag, Bdwr, Char, Col, Flrot, Dust, Legs, Back, Face, Spig, Jaw

<i>Age: 10m Wool: 10m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Yearling Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	5	4.3	17.2	104	30	71	4.5	26	4.0	110	111	-1.0	6.2	-0.6	104	0.3	1.5	96	9.1
Stud	66	4.2	18.2	100	31	71	4.2	25	4.4	103	106	0.0	2.4	0.2	104	0.0	0.4	106	2.7
Seconds	168	3.9	18.1	98	31	68	4.2	24	4.1	100	99	0.0	-0.5	0.0	100	0.0	-0.1	100	-0.4
Sale	81	3.8	18.3	97	31	67	4.2	24	4.0	99	97	0.1	-0.9	0.2	98	0.0	0.0	96	-1.8
Cull	8	3.6	18.1	95	29	60	3.2	22	4.4	99	92	-0.1	-2.8	-2.0	88	-1.0	-2.0	105	-2.0
Total/Ave	328	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>											<i>19</i>	<i>-0.9</i>	<i>9.0</i>	<i>1.4</i>	<i>16</i>	<i>1.3</i>	<i>3.5</i>	<i>-9</i>	<i>11</i>

<i>Age: 10m Wool: 10m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Yearling Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	5	1.5	3.2	1.5	1.8	1.7	2.6	1.6	1.4	2.9	1.5	1.0
Stud	66	1.5	3.0	1.9	1.8	1.3	2.9	1.8	1.5	2.8	1.8	1.0
Seconds	168	1.4	2.9	1.9	1.7	1.4	2.9	1.9	1.5	2.8	1.9	1.0
Sale	81	1.5	2.9	2.1	1.9	1.5	3.0	1.8	1.5	2.7	1.5	1.0
Cull	8	1.5	2.9	2.3	1.8	1.2	3.2	2.1	1.8	3.1	1.3	1.0
Total/Ave	328	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>0.0</i>	<i>0.4</i>	<i>-0.7</i>	<i>0.0</i>	<i>0.4</i>	<i>-0.6</i>	<i>-0.5</i>	<i>-0.4</i>	<i>-0.2</i>	<i>0.2</i>	<i>0.0</i>

<i>Age: 22m Wool: 12m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Adult 2 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	4	4.8	17.1	103	34	76	4.8	25	4.8	121	121	-1.0	4.5	3.1	111	0.6	0.8	115	20.5
Stud	47	4.3	18.1	98	33	71	4.2	25	4.1	109	110	-0.1	-0.6	2.3	104	0.0	0.5	99	8.9
Seconds	164	4.0	18.1	98	30	69	4.1	24	4.2	101	103	0.0	-0.3	-0.4	101	-0.1	-0.2	102	1.0
Sale	99	3.6	18.3	99	30	67	4.4	25	4.0	95	92	0.1	0.8	-0.7	98	0.2	0.2	96	-5.5
Cull	16	3.4	18.1	98	31	62	4.1	23	4.3	92	88	-0.1	0.0	0.3	90	-0.1	-1.2	102	-8.6
Total/Ave	330	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>											<i>34</i>	<i>-0.9</i>	<i>4.5</i>	<i>2.7</i>	<i>21</i>	<i>0.7</i>	<i>2.0</i>	<i>12</i>	<i>29</i>

<i>Age: 22m Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 2 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	4	1.4	3.3	1.7	1.8	1.8	2.4	1.5	1.6	2.9	2.0	1.0
Stud	47	1.5	3.3	1.9	1.7	1.4	2.8	1.7	1.6	2.8	2.0	1.0
Seconds	164	1.5	3.0	2.0	1.8	1.5	2.9	1.8	1.5	2.8	1.7	1.0
Sale	99	1.5	2.6	2.0	1.8	1.4	3.0	1.9	1.4	2.7	1.5	1.0
Cull	16	1.4	2.6	2.1	2.1	1.4	3.1	2.5	1.5	2.7	2.5	1.1
Total/Ave	330	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>0.0</i>	<i>0.6</i>	<i>-0.4</i>	<i>-0.2</i>	<i>0.4</i>	<i>-0.7</i>	<i>-1.0</i>	<i>0.2</i>	<i>0.2</i>	<i>-0.5</i>	<i>-0.1</i>

<i>Age: 2.5y Wool: 7m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Adult 22 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	5	4.5	17.1	103	29	72	4.2	24	4.2	111	115	-0.7	4.9	-1.5	105	0.0	-0.8	101	10.2
Stud	76	4.2	18.1	99	31	71	4.1	25	4.1	106	108	-0.2	0.9	0.5	103	0.0	0.2	98	5.9
Seconds	157	4.0	18.1	98	31	68	4.1	24	4.2	101	102	0.1	0.0	0.2	100	-0.1	0.1	100	0.4
Sale	74	3.4	18.3	97	29	66	4.5	24	4.4	93	87	-0.1	-0.9	-1.2	97	0.3	0.0	106	-7.3
Cull	19	3.9	18.1	97	32	65	3.8	23	3.5	99	99	0.1	-1.1	1.0	96	-0.4	-0.9	85	-1.6
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>		<i>16</i>	<i>-0.8</i>	<i>6.1</i>	<i>-2.5</i>	<i>9</i>	<i>0.4</i>	<i>0.1</i>	<i>16</i>	<i>12</i>									

<i>Age: 2.5y Wool: 7m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 22 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	5	1.6	3.1	1.5	1.8	1.8	2.5	1.9	1.4	2.7	1.0	1.0
Stud	76	1.5	3.2	1.8	1.8	1.4	2.8	1.8	1.5	2.8	1.8	1.0
Seconds	157	1.4	2.9	2.0	1.8	1.5	3.0	1.8	1.5	2.8	1.8	1.0
Sale	74	1.5	2.6	2.0	1.8	1.4	3.0	2.0	1.5	2.7	1.5	1.0
Cull	19	1.4	2.9	2.0	1.9	1.6	3.0	2.3	1.5	2.8	2.5	1.1
Ave/Total	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>0.1</i>	<i>0.2</i>	<i>-0.5</i>	<i>-0.2</i>	<i>0.2</i>	<i>-0.5</i>	<i>-0.4</i>	<i>-0.1</i>	<i>-0.1</i>	<i>-1.5</i>	<i>-0.1</i>

<i>Age: 3.5y Wool: 12m</i>	Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance								
Adult 3 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	12	4.8	17.7	102	30	71	3.8	24	3.9	115	123	-0.4	3.4	-0.5	104	-0.4	-0.4	95	14.8
Stud	77	4.4	18.1	98	31	69	4.0	24	3.7	108	112	-0.1	0.0	0.9	101	-0.2	0.0	89	7.7
Seconds	137	4.0	18.2	99	31	69	4.2	24	4.1	100	101	0.1	0.8	0.4	101	0.0	0.0	99	-0.3
Sale	79	3.5	18.2	97	30	67	4.5	25	4.4	93	88	0.0	-1.1	-0.7	98	0.3	0.2	106	-7.5
Cull	25	3.3	18.0	95	29	64	3.9	24	5.1	95	84	-0.1	-3.1	-2.1	94	-0.3	-0.5	122	-5.9
Total/Ave	330	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>											39	-0.3	6.5	1.6	10	-0.1	0.1	-28	21

<i>Age: 3.5y Wool: 12m</i>	Raw Data – Average Lifetime Performance – Visual Scores											
Adult 3 Grade	Count	Dag	Bdwr	Char	Col	Flot	Dust	Legs	Back	Face	Spig	Jaw
Top	12	1.3	3.4	1.8	2.0	1.7	2.6	1.8	1.6	2.9	1.8	1.0
Stud	77	1.6	3.3	1.9	1.8	1.5	2.9	1.8	1.6	2.9	2.1	1.1
Seconds	137	1.5	2.9	2.0	1.9	1.5	3.0	1.8	1.5	2.9	1.4	1.0
Sale	79	1.4	2.6	2.0	1.8	1.4	3.0	2.0	1.4	2.6	1.6	1.0
Cull	25	1.5	2.7	2.0	1.7	1.3	3.0	1.9	1.6	2.5	2.8	1.0
Total/Ave	330	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		-0.1	0.7	-0.2	0.2	0.4	-0.4	-0.1	0.0	0.3	-1.0	0.0

<i>Age: 4.5y Wool: 12m</i>	Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance								
Adult 4 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	3	4.2	17.0	102	30	68	4.2	25	3.3	111	108	-1.1	3.5	-0.3	100	0.1	0.9	80	10.3
Stud	73	4.4	18.0	100	32	69	4.0	24	4.0	108	111	-0.1	1.5	1.1	101	-0.2	-0.4	97	7.4
Seconds	162	3.9	18.3	98	31	69	4.3	25	4.0	100	101	0.1	0.3	0.3	101	0.1	0.3	96	-0.7
Sale	70	3.4	18.0	96	28	67	4.2	24	4.6	94	88	-0.2	-1.9	-2.4	98	0.0	0.0	112	-6.5
Cull	23	3.8	18.2	96	32	66	3.6	23	4.3	101	97	0.1	-2.0	1.6	96	-0.5	-0.9	103	0.1
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>											11	-1.2	5.5	-1.9	4	0.6	1.7	-22	10

<i>Age: 4.5y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 4 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	3	1.4	3.1	1.6	1.7	1.7	2.8	1.6	1.5	2.9	1.0	1.0
Stud	73	1.5	3.4	1.9	1.7	1.5	2.8	1.7	1.5	2.9	1.9	1.1
Seconds	162	1.5	2.8	1.9	1.8	1.4	3.0	1.8	1.5	2.8	1.6	1.0
Sale	70	1.4	2.6	2.0	1.9	1.4	3.1	2.0	1.5	2.6	1.6	1.0
Cull	23	1.4	2.9	2.0	1.9	1.6	3.0	2.1	1.8	2.7	2.2	1.0
Total/Ave	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>0.0</i>	<i>0.3</i>	<i>-0.5</i>	<i>-0.2</i>	<i>0.1</i>	<i>-0.2</i>	<i>-0.5</i>	<i>-0.3</i>	<i>0.2</i>	<i>-1.2</i>	<i>0.0</i>

<i>Age: 5.5y Wool: 12m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Adult 5 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	5	4.7	18.3	98	36	69	3.6	23	4.0	119	121	0.2	-0.4	5.5	101	-0.6	-1.0	96	18.1
Stud	56	4.4	18.1	100	33	70	4.1	24	3.9	108	111	0.0	1.6	2.0	103	-0.1	0.2	95	7.5
Seconds	149	3.9	18.1	98	30	69	4.3	25	4.0	100	100	0.0	0.1	-0.3	101	0.1	0.3	96	-0.7
Sale	86	3.6	18.2	98	30	67	4.2	24	4.4	95	91	0.1	-0.4	-0.8	98	0.0	-0.3	107	-5.1
Cull	35	3.9	18.0	96	30	67	3.8	24	4.6	102	100	-0.2	-2.0	-0.8	98	-0.4	-0.7	110	1.1
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>		<i>21</i>	<i>0.3</i>	<i>1.7</i>	<i>6.3</i>	<i>3</i>	<i>-0.2</i>	<i>-0.3</i>	<i>-13</i>	<i>17</i>									

<i>Age: 5.5y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 5 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	5	1.5	3.7	1.8	1.4	1.4	2.8	1.4	1.5	3.0	3.0	1.0
Stud	56	1.4	3.2	1.9	1.7	1.5	2.9	1.6	1.5	2.9	1.6	1.0
Seconds	149	1.5	2.9	2.0	1.8	1.4	3.0	1.8	1.5	2.8	1.8	1.0
Sale	86	1.5	2.7	2.0	1.9	1.4	3.0	1.9	1.4	2.6	1.6	1.0
Cull	35	1.5	2.9	2.0	1.9	1.6	2.9	2.3	1.6	2.9	1.6	1.0
Total/Ave	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>0.0</i>	<i>0.8</i>	<i>-0.2</i>	<i>-0.5</i>	<i>-0.2</i>	<i>-0.1</i>	<i>-0.8</i>	<i>-0.1</i>	<i>0.1</i>	<i>1.4</i>	<i>0.0</i>

MerinoLink 2017 Drop – Professional Grade Change
Between Grade & Next Grade – Wilson

	Grade	Adult 2					
		Top	Stud	2nd	Sale	Cull	Total
Yearling	Top	1	2	2			5
	Stud	1	25	32	7	1	66
	2nd	1	15	98	49	6	169
	Sale	1	5	32	36	6	80
	Cull			1	4	3	8
	Total	4	47	165	96	16	328
50% stayed the same							
	Grade	Adult 22					
		Top	Stud	2nd	Sale	Cull	Total
Adult 2	Top	1	2	1			4
	Stud	2	22	21	2		47
	2nd	2	44	88	23	8	165
	Sale		8	45	38	5	96
	Cull			2	9	5	16
	Total	5	76	157	72	18	328
47% stayed the same							
	Grade	Adult 3					
		Top	Stud	2nd	Sale	Cull	Total
Adult 22	Top	2	2	1			5
	Stud	7	33	29	3	3	75
	2nd	3	31	83	33	8	158
	Sale		5	21	35	11	72
	Cull	1	5	3	6	3	18
	Total	13	76	137	77	25	328
48% stayed the same							
	Grade	Adult 4					
		Top	Stud	2nd	Sale	Cull	Total
Adult 3	Top	1	8	4			13
	Stud	2	31	37	3	3	76
	2nd		32	74	25	6	137
	Sale		1	41	27	8	77
	Cull			5	14	6	25
	Total	3	72	161	69	23	328
42% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 4	Top		1	2			3
	Stud	4	24	32	4	8	72
	2nd	1	27	84	39	11	162
	Sale		1	26	32	10	69
	Cull		3	3	10	7	23
	Total	5	56	147	85	36	329
45% stayed the same							

Professional Grade Change Between Grade & Adult 5
Grade – Wilson

	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Yearling	Top		3	2			5
	Stud	2	13	32	14	5	66
	2nd	2	22	82	46	17	169
	Sale	1	16	29	23	12	81
	Cull		2	2	2	2	8
	Total	5	56	147	85	36	329
36% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 2	Top		2	2			4
	Stud	4	11	22	6	4	47
	2nd	1	32	73	38	21	165
	Sale		11	44	32	9	96
	Cull			5	9	2	16
	Total	5	56	146	85	36	328
36% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 22	Top		3	1	1		5
	Stud	4	20	34	9	9	76
	2nd	1	31	75	36	15	158
	Sale		2	30	31	9	72
	Cull			7	8	3	18
	Total	5	56	147	85	36	329
39% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 3	Top	1	7	3		2	13
	Stud	4	22	33	8	9	76
	2nd		24	72	29	12	137
	Sale		1	34	36	6	77
	Cull		1	5	12	7	25
	Total	5	55	147	85	36	328
42% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 4	Top		1	2			3
	Stud	4	24	32	4	8	72
	2nd	1	27	84	39	11	162
	Sale		1	26	32	10	69
	Cull		3	3	10	7	23
	Total	5	56	147	85	36	329
45% stayed the same							

AMSEA Classer Grade Results

MerinoLink 2017 Drop – AMSEA Class – Ben Patrick (Y– A3), Jim Meckiff (A4 – A5) LIFETIME Performance by Grade (Drop Level) – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A5 MP+ Index - followed by Average Lifetime Scored Dag, Bdwr, Char, Col, Flrot, Dust, Legs, Back, Face, Spig, Jaw

<i>Age: 10m Wool: 10m</i>		Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance							
Yearling Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	55	4.2	18.4	99	32	72	4.4	25	4.7	105	107	0.2	0.9	1.6	105	0.2	0.7	113	4.4
Flock	230	3.9	18.1	98	30	68	4.2	24	4.0	100	99	0.0	0.3	-0.3	100	0.0	-0.1	97	-0.8
Cull	45	3.8	18.1	96	30	66	3.9	24	4.2	99	96	-0.1	-2.2	-0.4	96	-0.2	-0.3	102	-1.2
Total/Ave	330	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>											<i>11</i>	<i>0.3</i>	<i>3.1</i>	<i>2.0</i>	<i>9</i>	<i>0.4</i>	<i>1.0</i>	<i>10</i>	<i>6</i>

<i>Age: 10m Wool: 10m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Yearling Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	55	1.4	3.1	1.9	1.7	1.3	2.9	1.6	1.5	2.8	1.9	1.0
Flock	230	1.5	2.9	2.0	1.8	1.5	3.0	1.9	1.5	2.8	1.7	1.0
Cull	45	1.6	2.8	2.0	2.0	1.5	3.0	2.1	1.5	2.8	1.6	1.1
Total/Ave	330	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>-0.2</i>	<i>0.3</i>	<i>-0.1</i>	<i>-0.2</i>	<i>-0.1</i>	<i>-0.2</i>	<i>-0.5</i>	<i>0.0</i>	<i>0.0</i>	<i>0.2</i>	<i>0.0</i>

<i>Age: 22m Wool: 12m</i>		Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance							
Adult 2 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	100	4.3	18.2	98	33	70	4.1	24	4.1	107	111	0.1	0.0	1.9	103	-0.1	0.0	100	6.6
Flock	152	3.9	18.2	99	30	68	4.1	24	4.2	100	99	0.1	0.7	-0.4	99	0.0	-0.1	101	-0.3
Cull	78	3.5	17.9	97	29	67	4.4	25	4.1	93	88	-0.2	-1.2	-1.7	98	0.2	0.2	98	-7.7
Total/Ave	330	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101
<i>Diff Top to Bottom</i>											<i>23</i>	<i>0.3</i>	<i>1.2</i>	<i>3.6</i>	<i>5</i>	<i>-0.3</i>	<i>-0.2</i>	<i>2</i>	<i>14</i>

<i>Age: 22m Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 2 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	100	1.5	3.3	1.9	1.8	1.5	2.9	1.7	1.6	2.9	1.6	1.0
Flock	152	1.5	2.9	2.0	1.8	1.4	3.0	1.8	1.5	2.8	1.9	1.0
Cull	78	1.4	2.6	2.0	1.9	1.4	3.0	2.1	1.4	2.7	1.7	1.0
Total/Ave	330	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		<i>0.1</i>	<i>0.7</i>	<i>-0.1</i>	<i>-0.1</i>	<i>0.1</i>	<i>-0.2</i>	<i>-0.4</i>	<i>0.1</i>	<i>0.2</i>	<i>0.0</i>	<i>0.0</i>

<i>Age: 2.5y Wool: 7m</i>		Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance									
Adult 22 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D		
Top	77	4.3	17.9	100	30	70	4.1	24	4.1	106	109	-0.3	1.6	-0.8	103	-0.1	0.0	98	5.9		
Flock	191	3.9	18.3	98	31	68	4.2	24	4.1	101	101	0.1	-0.2	0.5	100	0.0	0.1	98	0.3		
Cull	63	3.4	18.1	97	30	66	4.4	24	4.5	92	87	0.0	-1.4	-0.6	97	0.2	-0.2	108	-8.2		
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101		
<i>Diff Top to Bottom</i>											22	-0.3	3.0	-0.2	6	-0.3	0.3	-10	14		

<i>Age: 2.5y Wool: 7m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 22 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	77	1.5	3.2	1.8	1.8	1.5	2.8	1.7	1.5	2.8	2.0	1.0
Flock	191	1.5	2.9	2.0	1.8	1.4	3.0	1.8	1.5	2.8	1.6	1.0
Cull	63	1.5	2.6	2.0	1.8	1.4	3.1	2.2	1.5	2.6	1.8	1.0
Total/Ave	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		0.0	0.7	-0.2	0.0	0.1	-0.3	-0.6	0.1	0.2	0.2	0.0

<i>Age: 3.5y Wool: 12m</i>		Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance									
Adult 3 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D		
Top	69	4.4	18.2	100	32	70	4.0	24	3.6	107	113	0.0	1.9	1.0	102	-0.2	-0.1	87	6.1		
Flock	181	4.0	18.1	98	31	68	4.2	24	4.1	101	101	0.0	0.1	0.1	100	0.0	0.0	100	0.6		
Cull	81	3.4	18.1	96	29	67	4.4	24	4.6	94	87	0.0	-1.9	-1.2	99	0.2	-0.1	111	-6.7		
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101		
<i>Diff Top to Bottom</i>											25	0.0	3.8	2.2	4	-0.4	0.0	-24	13		

<i>Age: 3.5y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 3 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	69	1.5	3.2	1.8	1.8	1.5	2.9	1.7	1.5	2.9	1.8	1.0
Flock	181	1.5	3.0	2.0	1.8	1.4	2.9	1.8	1.5	2.8	1.7	1.0
Cull	81	1.4	2.5	2.0	1.8	1.4	3.0	2.1	1.4	2.6	1.7	1.0
Total/Ave	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		0.1	0.6	-0.2	0.0	0.0	-0.2	-0.4	0.1	0.3	0.1	0.0

<i>Age: 4.5y Wool: 12m</i>		Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance									
Adult 4 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D		
Top	55	4.3	18.0	98	33	71	4.3	25	4.2	108	108	-0.1	0.2	2.0	104	0.1	0.2	100	7.1		
Flock	214	3.8	18.1	98	30	68	4.2	24	4.2	99	98	-0.1	0.0	-0.3	100	0.1	0.0	100	-1.3		
Cull	62	3.9	18.5	98	30	67	3.9	24	4.1	99	101	0.4	-0.2	-0.7	98	-0.3	-0.1	99	-1.9		
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101		
<i>Diff Top to Bottom</i>											8	-0.5	0.4	2.6	6	0.4	0.3	1	9		

<i>Age: 4.5y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 4 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	55	1.4	3.2	1.8	1.6	1.3	2.9	1.6	1.5	2.8	1.9	1.0
Flock	214	1.4	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
Cull	62	1.6	2.8	2.1	2.1	1.6	3.0	2.1	1.6	2.8	1.6	1.0
Total/Ave	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		-0.1	0.4	-0.2	-0.5	-0.3	-0.1	-0.5	-0.1	0.0	0.2	0.0

<i>Age: 5.5y Wool: 12m</i>		Raw Data - Average LT Performance										Raw Data - Deviation from Average LT Performance									
Adult 5 Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D		
Top	59	4.1	18.1	98	33	71	4.3	25	3.8	103	105	0.0	0.0	2.7	104	0.1	0.5	91	2.7		
Flock	190	3.9	18.1	98	30	68	4.3	24	4.3	101	99	0.0	-0.2	-0.5	100	0.1	0.1	103	0.1		
Cull	82	3.9	18.1	99	30	67	3.9	24	4.2	98	99	0.0	0.5	-0.8	98	-0.3	-0.6	100	-2.3		
Total/Ave	331	3.9	18.1	98	31	68	4.2	24	4.1	101	3.9	18.1	98	31	68	4.2	24	4.1	101		
<i>Diff Top to Bottom</i>											6	0.0	-0.4	3.5	5	0.5	1.0	-9	5		

<i>Age: 5.5y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores										
Adult 5 Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Legs	Back	Face	Spig	Jaw
Top	59	1.4	3.1	2.0	1.6	1.3	2.9	1.6	1.5	2.9	1.6	1.0
Flock	190	1.5	2.9	1.9	1.7	1.4	3.0	1.8	1.5	2.8	1.8	1.0
Cull	82	1.5	2.8	2.0	2.1	1.6	3.0	2.2	1.5	2.8	1.6	1.0
Total/Ave	331	1.5	2.9	2.0	1.8	1.4	3.0	1.9	1.5	2.8	1.7	1.0
<i>Diff Top to Bottom</i>		-0.1	0.3	0.0	-0.5	-0.3	0.0	-0.6	-0.1	0.1	0.0	0.0

**MerinoLink 2017 Drop –AMSEA Grade Change
Over Time – Ben Patrick (Y– A3), Jim Meckiff (A4
– A5)**

**AMSEA Grade Change Between Each Grade &
Adult 5 – Ben Patrick (Y– A3), Jim Meckiff (A4–
A5)**

Yearling	Grade	Adult 2			
		Top	Flock	Cull	Total
	Top	33	17	5	55
	Flock	59	116	54	229
	Cull	8	20	17	45
	Total	100	153	76	329
50% stayed the same					

Post Weaning	Grade	Adult 5			
		Top	Flock	Cull	Total
	Top	16	26	13	55
	Flock	40	134	56	230
	Cull	3	29	13	45
	Total	59	189	82	330
49% stayed the same					

Adult 2	Grade	Adult 22			
		Top	Flock	Cull	Total
	Top	39	59	2	100
	Flock	32	97	24	153
	Cull	6	36	36	78
	Total	77	192	62	331
52% stayed the same					

Hogget	Grade	Adult 5			
		Top	Flock	Cull	Total
	Top	24	56	20	100
	Flock	25	92	36	153
	Cull	10	41	27	78
	Total	59	189	83	331
43% stayed the same					

Adult 22	Grade	Adult 3			
		Top	Flock	Cull	Total
	Top	35	36	6	77
	Flock	33	117	42	192
	Cull	2	28	33	63
	Total	70	181	81	332
56% stayed the same					

Adult 2	Grade	Adult 5			
		Top	Flock	Cull	Total
	Top	17	42	18	77
	Flock	38	111	43	192
	Cull	4	37	22	63
	Total	59	190	83	332
45% stayed the same					

Adult 3	Grade	Adult 4			
		Top	Flock	Cull	Total
	Top	21	38	11	70
	Flock	30	125	26	181
	Cull	4	52	25	81
	Total	55	215	62	332
52% stayed the same					

Adult 3	Grade	Adult 5			
		Top	Flock	Cull	Total
	Top	21	33	16	70
	Flock	29	110	42	181
	Cull	9	47	25	81
	Total	59	190	83	332
47% stayed the same					

Adult 4	Grade	Adult 5			
		Top	Flock	Cull	Total
	Top	25	26	4	55
	Flock	30	137	48	215
	Cull	4	27	31	62
	Total	59	190	83	332
58% stayed the same					

Adult 4	Grade	Adult 5			
		Top	Flock	Cull	Total
	Top	25	26	4	55
	Flock	30	137	48	215
	Cull	4	27	31	62
	Total	59	190	83	332
58% stayed the same					

Wells Classer Trial

MerinoLink 2017 Drop – Wells Classer Trial – Bill Walker Measured LIFETIME Performance by Grade at P, A2 and A5 (Drop Level)

	Yearling Grade – Lifetime Average Performance /A5 MP+ Index									Adult 2 Grade – Lifetime Average Performance /A5 MP+ Index									Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
Tops	34	4.1	18.2	103	29	73	25	4.6	102	34	4.3	18.1	101	31	74	25	4.3	107	39	4.2	18.1	101	31	71	25	4.0	103
Seconds	93	4.0	18.3	99	32	69	24	4.4	100	87	3.9	18.2	99	31	70	25	4.0	102	82	4.0	18.4	98	31	70	25	3.8	100
Sales	96	3.9	18.1	97	30	68	24	4.2	101	106	3.8	18.1	98	30	68	24	4.2	98	106	3.9	18.2	98	30	68	24	4.2	101
Culls	103	3.8	18.0	97	30	66	24	3.7	100	103	3.9	18.2	96	30	66	24	4.2	100	104	3.7	17.9	97	30	67	24	4.4	100
Total / Ave	326	3.9	18.1	98	31	68	24	4.1	101	330	3.9	18.1	98	31	68	24	4.1	101	331	3.9	18.1	98	31	68	24	4.1	101

MerinoLink 2017 Drop – Wells Classer Trial – Bill Walker Measured LIFETIME Performance by Grade at Yearling, Adult 2 and Adult 5 (By Sire)

Sire	Yearling Grade – Lifetime Average Performance /A5 MP+ Index										Adult Grade – Lifetime Average Performance /A5 MP+ Index								Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index									
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+		N	CFW	FD	SL	SS	WT	EMD	WR	MP+		N	CFW	FD	SL	SS	WT	EMD	WR
BUND 140055	25	3.8	17.7	95	30	69	26	4.9	108	25	3.8	17.7	95	30	69	26	4.9	108	25	3.8	17.7	95	30	69	26	4.9	108	
Tops	3	4.2	18.5	101	31	74	28	4.7	106	2	4.1	17.9	105	34	75	28	4.5	112	3	3.8	17.4	98	30	74	27	5.0	106	
Seconds	8	3.7	17.8	95	31	69	26	5.3	104	8	3.8	17.5	96	29	71	26	4.4	107	6	3.7	17.7	97	30	70	28	4.2	102	
Sales	7	3.8	17.1	91	26	71	25	5.3	109	6	3.7	18.0	97	29	70	26	5.5	106	9	3.9	17.9	94	30	69	25	5.3	111	
Culls	7	4.0	17.9	96	34	66	25	4.3	112	9	3.9	17.7	91	31	67	26	5.1	110	7	3.9	17.7	93	31	66	25	5.0	110	
CPLUS 407185	22	3.6	17.2	98	26	70	26	4.1	102	24	3.6	17.2	98	26	70	26	4.1	102	24	3.6	17.2	98	26	70	26	4.1	102	
Tops	2	3.6	16.0	103	23	70	24	6.0	110	3	3.8	16.8	107	23	76	27	4.0	107	2	3.8	17.0	107	23	68	27	3.0	107	
Seconds	6	3.5	18.0	100	26	70	25	4.7	97	6	3.8	17.4	102	24	72	25	4.8	107	9	3.5	17.5	97	28	71	27	3.9	96	
Sales	8	3.6	17.2	98	25	71	27	3.5	101	8	3.5	17.2	95	27	71	26	4.1	99	7	4.1	17.6	102	25	70	26	4.0	107	
Culls	6	3.8	16.8	97	26	69	26	3.7	107	7	3.6	17.3	96	27	64	25	3.4	98	6	3.3	16.5	94	25	68	24	4.8	101	
COLL 130545	27	4.3	19.3	94	33	69	25	4.1	103	27	4.3	19.3	94	33	69	25	4.1	103	27	4.3	19.3	94	33	69	25	4.1	103	
Tops	2	4.7	20.0	98	34	74	26	4.5	106	3	5.0	19.2	93	33	74	23	3.7	110	3	4.9	19.9	97	34	73	25	3.3	108	
Seconds	8	4.6	19.8	95	35	70	24	3.8	104	6	4.5	19.2	99	34	72	26	3.3	101	6	4.5	19.9	99	35	70	25	3.3	102	
Sales	8	4.1	19.0	93	32	68	25	4.5	101	8	4.5	20.0	95	36	68	24	4.3	104	8	4.3	19.3	92	34	69	24	4.1	103	
Culls	9	4.3	18.9	92	32	67	24	3.9	104	10	4.0	18.8	90	30	66	25	4.5	102	10	4.1	18.7	91	30	67	25	4.7	103	
DTKEN 13017	27	4.1	17.8	100	32	68	24	4.3	107	27	4.1	17.8	100	32	68	24	4.3	107	27	4.1	17.8	100	32	68	24	4.3	107	
Tops	3	4.1	17.2	103	31	73	26	5.0	111	3	4.8	17.5	105	32	71	24	5.0	119	4	4.5	17.7	101	32	70	24	5.3	114	
Seconds	9	4.2	18.0	101	33	69	24	4.9	107	5	3.9	17.2	99	30	66	25	4.6	111	7	4.4	18.2	101	34	67	24	4.3	110	
Sales	7	4.1	17.5	96	31	67	24	4.0	107	10	4.0	17.7	99	32	69	25	4.2	104	8	3.8	17.8	100	28	69	25	4.0	102	
Culls	8	4.0	18.1	101	30	66	25	3.5	107	9	4.2	18.4	100	32	67	24	3.9	105	8	4.0	17.6	98	33	67	25	4.0	106	
GREEN 140141	17	4.1	16.7	103	26	67	24	2.9	99	17	4.1	16.7	103	26	67	24	2.9	99	17	4.1	16.7	103	26	67	24	2.9	99	
Tops	3	4.5	17.5	111	24	71	26	3.3	99	2	4.2	17.5	108	29	72	23	2.0	97	3	4.1	16.5	108	23	73	25	2.7	96	
Seconds	2	3.8	16.5	106	24	66	24	1.5	88	3	4.0	17.1	103	24	67	25	3.0	95	4	4.3	16.4	100	25	67	23	1.8	96	
Sales	6	4.2	16.7	100	26	67	24	3.2	102	6	4.3	16.8	103	26	68	24	3.3	103	5	4.0	16.7	100	26	66	23	4.4	105	
Culls	6	3.9	16.4	100	27	66	23	2.8	99	6	3.9	16.2	101	25	66	24	2.7	97	5	4.1	17.1	105	27	66	24	2.4	96	
LACHLAN 305	28	3.9	18.6	94	30	68	24	4.2	100	28	3.9	18.6	94	30	68	24	4.2	100	28	3.9	18.6	94	30	68	24	4.2	100	
Tops	3	3.9	19.3	98	31	74	26	4.7	98	3	4.4	19.0	88	31	75	25	5.3	106	3	4.4	18.4	97	26	71	25	2.3	101	
Seconds	8	4.1	18.5	93	33	69	24	4.6	103	8	3.8	19.0	96	34	69	24	3.8	97	6	3.9	19.0	96	29	71	24	5.0	98	

Sire	Yearling Grade – Lifetime Average Performance /A5 MP+ Index										Adult Grade – Lifetime Average Performance /A5 MP+ Index										Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index									
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+			
Sales	7	4.1	19.0	94	28	70	24	4.0	101	7	4.0	18.9	93	27	68	24	3.7	97	10	3.9	18.8	95	30	68	24	4.0	98			
Culls	10	3.7	18.3	93	28	64	23	3.9	97	10	3.9	18.0	95	28	65	23	4.6	103	9	3.9	18.2	90	30	65	23	4.6	103			
LEAHC 132624	27	3.5	17.9	99	29	67	25	3.2	82	27	3.5	17.9	99	29	67	25	3.2	82	27	3.5	17.9	99	29	67	25	3.2	82			
Tops	2	4.1	18.0	105	30	76	26	3.5	87	2	4.1	18.6	106	33	62	22	4.0	93	3	3.6	18.4	103	31	66	24	3.0	80			
Seconds	7	3.5	17.6	99	28	65	24	2.9	82	8	3.4	17.9	101	29	68	25	3.0	81	6	3.6	18.2	101	28	73	27	3.3	80			
Sales	7	3.5	18.0	101	29	68	25	3.6	81	9	3.6	17.7	98	28	68	25	3.3	82	8	3.4	17.7	100	29	63	25	2.3	79			
Culls	11	3.5	17.9	98	29	65	26	3.2	83	8	3.4	17.9	97	28	65	26	3.1	80	10	3.5	17.7	97	29	66	25	4.0	87			
TALLA 150280	22	4.2	17.6	94	38	67	23	4.5	119	22	4.2	17.6	94	38	67	23	4.5	119	22	4.2	17.6	94	38	67	23	4.5	119			
Tops	3	4.5	18.0	98	35	70	24	4.7	118	3	4.9	17.5	95	40	69	24	5.0	128	3	4.7	17.9	100	39	73	23	5.0	120			
Seconds	5	4.3	17.3	99	39	68	23	4.4	119	8	4.3	18.0	97	36	69	24	3.8	117	5	4.2	18.2	91	42	66	24	4.4	120			
Sales	5	4.2	17.5	91	40	65	22	5.2	122	5	3.9	17.4	96	37	64	22	4.2	114	7	4.2	17.6	95	38	66	22	4.6	120			
Culls	8	4.1	17.5	92	38	66	22	4.0	118	6	4.2	17.3	89	42	64	22	5.3	122	7	4.1	17.1	94	36	65	22	4.1	118			
TOL 151058	29	3.3	18.2	101	30	66	24	5.2	99	29	3.3	18.2	101	30	66	24	5.2	99	29	3.3	18.2	101	30	66	24	5.2	99			
Tops	3	3.4	18.1	102	25	79	25	5.7	102	3	3.6	17.8	104	29	79	25	5.7	106	3	3.2	17.9	102	28	76	24	6.0	102			
Seconds	9	3.4	18.0	99	31	68	25	5.4	102	6	3.3	18.0	97	28	70	23	5.7	100	6	3.6	18.1	98	29	72	24	4.5	99			
Sales	9	3.4	18.6	102	29	66	23	5.4	98	11	3.3	18.2	100	30	65	24	5.1	99	11	3.3	18.2	100	30	63	24	4.8	98			
Culls	8	3.0	17.8	101	30	59	23	4.5	96	9	3.3	18.4	103	31	61	23	4.9	96	9	3.2	18.2	103	30	63	23	5.9	100			
TREF 150282	34	4.1	18.3	96	35	68	23	4.3	106	34	4.1	18.3	96	35	68	23	4.3	106	34	4.1	18.3	96	35	68	23	4.3	106			
Tops	2	3.6	18.5	104	35	70	24	7.5	100	3	4.4	18.9	99	35	76	25	5.0	108	3	4.6	18.3	102	34	70	23	3.3	113			
Seconds	11	3.9	18.4	99	36	69	23	4.2	102	10	4.3	18.4	97	37	69	23	3.9	110	9	4.3	18.5	92	35	69	24	3.7	108			
Sales	12	4.2	18.5	95	36	68	24	4.6	109	11	4.0	18.1	96	36	68	23	4.6	107	10	4.1	18.2	95	34	67	22	4.6	108			
Culls	9	4.2	17.8	91	32	66	23	3.2	110	10	3.8	18.2	93	32	65	23	4.0	102	12	3.8	18.3	97	35	67	24	4.7	102			
TRIG 140477	34	3.8	19.0	101	30	73	25	4.4	92	35	3.8	19.0	101	30	73	25	4.4	92	35	3.8	19.0	101	30	73	25	4.4	92			
Tops	2	3.9	18.5	97	31	77	27	4.0	95	2	4.4	18.6	100	30	83	28	4.5	108	3	4.1	19.0	97	32	73	26	4.7	99			
Seconds	11	4.0	19.2	101	30	74	25	5.1	93	11	3.9	18.6	103	31	73	26	4.4	97	9	4.3	20.2	103	32	75	25	4.1	94			
Sales	11	3.7	18.3	101	29	72	25	4.2	96	12	3.5	18.4	98	28	73	25	4.3	88	11	3.8	19.1	101	31	73	25	4.7	91			
Culls	10	3.6	19.5	101	31	72	25	3.9	86	9	4.0	20.2	102	32	71	24	4.6	89	12	3.3	17.9	100	28	72	25	4.3	90			
WPARK 422	21	4.4	18.6	105	30	69	24	3.0	96	22	4.4	18.6	105	30	69	24	3.0	96	22	4.4	18.6	105	30	69	24	3.0	96			
Tops	3	4.5	19.5	108	28	71	24	5.0	100	3	4.5	18.3	104	31	76	26	3.0	103	3	4.3	18.5	105	39	75	25	4.0	98			
Seconds	6	4.6	18.3	106	30	72	24	2.8	101	6	4.4	18.6	108	29	69	23	3.3	97	6	4.5	17.8	104	27	69	23	2.8	101			
Sales	6	4.0	18.9	102	34	67	23	2.3	89	8	4.3	18.4	104	30	66	22	3.0	94	8	4.5	18.5	103	30	70	24	2.4	98			

Sire	Yearling Grade – Lifetime Average Performance /A5 MP+ Index									Adult Grade – Lifetime Average Performance /A5 MP+ Index									Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
Culls	6	4.5	18.2	105	28	65	22	3.2	97	5	4.3	19.1	103	31	67	24	2.8	94	5	4.0	19.9	110	29	63	22	3.8	86
WEST 110004	14	3.9	17.8	98	26	64	23	4.1	92	14	3.9	17.8	98	26	64	23	4.1	92	14	3.9	17.8	98	26	64	23	4.1	92
Tops	3	4.2	18.0	107	24	69	24	2.7	86	2	4.0	17.3	111	20	69	25	2.5	86	3	4.5	18.7	96	29	66	23	3.7	93
Seconds	3	3.9	17.9	100	22	67	22	5.7	90	2	3.5	18.0	96	30	64	23	4.0	94	3	3.5	18.1	96	32	61	23	3.3	85
Sales	3	4.1	18.4	98	28	63	22	4.0	99	5	3.7	17.9	98	28	64	22	4.4	89	4	3.8	16.9	100	22	64	24	5.8	96
Culls	5	3.6	17.1	92	28	61	23	4.0	91	5	4.2	17.8	94	25	63	23	4.4	96	4	3.7	17.8	99	24	65	22	3.4	92
TOTAL	327	3.9	18.1	98	31	68	24	4.1	101	331	3.9	18.1	98	31	68	24	4.1	101	331	3.9	18.1	98	31	68	24	4.1	101

Bill Walker Change in Grade between Stages (and the % that stay the same between stages)

Y to A	Top	Sec	Sal	Cul	T	%	Y to A5	Top	Sec	Sal	Cul	T	%	A to A5	Top	Sec	Sal	Cul	T	%
BUND 140055	2	8	6	9	25		BUND 140055	3	6	9	7	25		BUND 140055	3	6	9	7	25	
Tops	1	2			3		Top	1		1	1	3		Top	1	1			2	
Seconds		2	4	2	8		Flock		4	3	1	8		Flock	1	3	3	1	8	
Sales		3	1	3	7		Cull	2		2	3	7		Cull		1	3	2	6	
Culls	1	1	1	4	7	32%	Top		2	3	2	7	36%	Top	1	1	3	4	9	44%
CPLUS 407185	3	6	8	5	22		CENTREPL 407185	2	7	7	6	22		CENTREPL 407185	2	9	7	6	24	
Tops		2			2		Tops				2	2		Tops	1	1	1		3	
Seconds	1	2	1	2	6		Seconds		3	2	1	6		Seconds		1	3	2	6	
Sales		2	4	2	8		Sales	1	3	3	1	8		Sales	1	4	1	2	8	
Culls	2		3	1	6	32%	Culls	1	1	2	2	6	36%	Culls		3	2	2	7	21%
COLL 130545	3	6	8	10	27		COLL 130545	3	6	8	10	27		COLL 130545	3	6	8	10	27	
Tops		1	1		2		Tops			2		2		Tops	1	1	1		3	
Seconds	2	1	3	2	8		Seconds	3	1	3	1	8		Seconds	1	2	1	2	6	
Sales		3	2	3	8		Sales		2	2	4	8		Sales	1	2	4	1	8	
Culls	1	1	2	5	9	30%	Culls		3	1	5	9	30%	Culls		1	2	7	10	52%
DTKEN 13017	3	5	10	9	27		DTKEN 13017	4	7	8	8	27		DTKEN 13017	4	7	8	8	27	
Tops	1	1	1		3		Tops		2		1	3		Tops	2	1			3	
Seconds	2	1	5	1	9		Seconds	3	1	1	4	9		Seconds	1	3		1	5	
Sales		1	3	3	7		Sales	1	2	2	2	7		Sales	1	1	3	5	10	
Culls		2	1	5	8	37%	Culls		2	5	1	8	15%	Culls		2	5	2	9	37%
GREEN 140141	2	3	6	6	17		GREEN 140141	3	4	5	5	17		GREEN 140141	3	4	5	5	17	
Tops	1	1	1		3		Tops	2		1		3		Tops	1			1	2	
Seconds		1		1	2		Seconds	1			1	2		Seconds	1		1	1	3	
Sales		1	3	2	6		Sales		1	2	3	6		Sales		1	3	2	6	
Culls	1		2	3	6	47%	Culls		3	2	1	6	29%	Culls	1	3	1	1	6	29%
LACHLAN 305	3	8	7	10	28		LACHLAN 305	3	6	10	9	28		LACHLAN 305	3	6	10	9	28	
Tops	2	1			3		Tops		1	2		3		Tops		1	1	1	3	
Seconds	1	4	1	2	8		Seconds		4	1	3	8		Seconds	1	3	3	1	8	
Sales		1	4	2	7		Sales	1	1	2	3	7		Sales	1	1	3	2	7	
Culls		2	2	6	10	57%	Culls	2		5	3	10	32%	Culls	1	1	3	5	10	39%

Y to A	Top	Sec	Sal	Cul	T	%	Y to A5	Top	Sec	Sal	Cul	T	%	A to A5	Top	Sec	Sal	Cul	T	%
LEAHC 132624	2	8	9	8	27		LEAHC 132624	3	6	8	10	27		LEAHC 132624	3	6	8	10	27	
Tops		2			2		Tops		1		1	2		Tops	1		1		2	
Seconds	1	2	3	1	7		Seconds		1	3	3	7		Seconds	1	2	1	4	8	
Sales	1	2	3	1	7		Sales	2	2	2	1	7		Sales	1	4	2	2	9	
Culls		2	3	6	11	41%	Culls	1	2	3	5	11	30%	Culls			4	4	8	33%
TALLA 150280	3	8	4	6	21		TALLA 150280	3	4	7	7	21		TALLA 150280	3	5	7	7	22	
Tops	1	2			3		Tops	1		1	1	3		Tops	1		1	1	3	
Seconds	2	1	2		5		Seconds	2		1	2	5		Seconds	2	2	3	1	8	
Sales		2	1	2	5		Sales		2	1	2	5		Sales		1	1	3	5	
Culls		3	1	4	8	33%	Culls		2	4	2	8	19%	Culls		2	2	2	6	27%
TOL 151058	3	6	11	9	29		TOL 151058	3	6	11	9	29		TOL 151058	3	6	11	9	29	
Tops	2	1			3		Tops	2	1			3		Tops	2	1			3	
Seconds	1	3	4	1	9		Seconds	1	4	3	1	9		Seconds		3	1	2	6	
Sales		2	5	2	9		Sales		1	3	5	9		Sales	1	2	6	2	11	
Culls			2	6	8	55%	Culls			5	3	8	41%	Culls			4	5	9	55%
TREF 150282	3	10	11	10	34		TREF 150282	3	9	10	12	34		TREF 150282	3	9	10	12	34	
Tops	1	1			2		Tops				2	2		Tops		1		2	3	
Seconds	1	3	4	3	11		Seconds	1	3	3	4	11		Seconds	1	3	2	4	10	
Sales		4	5	3	12		Sales	2	2	3	5	12		Sales	1	5	3	2	11	
Culls	1	2	2	4	9	38%	Culls		4	4	1	9	21%	Culls	1		5	4	10	29%
TRIG 140477	2	11	12	9	34		TRIG 140477	3	9	10	12	34		TRIG 140477	3	9	10	12	34	
Tops	1	1			2		Tops		1		1	2		Tops		2			2	
Seconds	1	3	4	3	11		Seconds	1	4	4	2	11		Seconds	1	2	3	5	11	
Sales		6	4	1	11		Sales	1	1	3	6	11		Sales	2		4	6	12	
Culls		1	4	5	10	38%	Culls	1	3	3	3	10	29%	Culls		5	3	1	9	21%
WPARK 422	2	6	8	5	21		WPARK 422	3	6	7	5	21		WPARK 422	3	6	8	5	22	
Tops	1	2			3		Tops	1			2	3		Tops	1		2		3	
Seconds	1	2	2	1	6		Seconds		2	3	1	6		Seconds	1	3		2	6	
Sales		1	3	2	6		Sales	1	1	3	1	6		Sales	1	3	2	2	8	
Culls		1	3	2	6	38%	Culls	1	3	1	1	6	33%	Culls			4	1	5	32%

Y to A	Top	Sec	Sal	Cul	T	%	Y to A5	Top	Sec	Sal	Cul	T	%	A to A5	Top	Sec	Sal	Cul	T	%
WEST 110004	2	3	5	5	15		WEST 110004	3	3	4	5	15		WEST 110004	3	3	4	5	15	
Tops	2		1		3		Tops	1		1	1	3		Tops			1	1	2	
Seconds		1	1	1	3		Seconds		1	1	1	3		Seconds		2			1	3
Sales		1	1	2	4		Sales	2	1		1	4		Sales	1	1	1	2	5	
Culls		1	2	2	5	40%	Culls		1	2	2	5	27%	Culls	2		2	1	5	27%
TOTAL	33	88	105	101	327		Total	39	79	104	105	327		Total	39	82	105	105	331	

MerinoLink 2017 Drop – Wells Classer Trial – Nathan King Measured LIFETIME Performance by Grade at P, A2 and A5 (Drop Level)

	Yearling Grade – Lifetime Average Performance /A5 MP+ Index									Adult Grade – Lifetime Average Performance /A5 MP+ Index									Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
Tops	35	4.0	17.9	101	31	74	26	4.6	102	33	4.1	18.0	99	30	74	25	4.3	104	39	4.2	18.1	100	30	71	24	3.9	103
Seconds	86	4.0	18.2	98	30	69	24	4.3	101	93	4.0	18.1	97	31	70	24	4.2	103	83	4.0	18.4	97	31	70	25	4.2	100
Sales	106	3.8	18.2	98	31	68	24	4.3	99	102	3.9	18.3	98	31	69	24	4.0	99	101	4.0	18.2	98	31	68	24	4.2	101
Culls	99	4.0	18.1	97	31	66	24	3.7	101	102	3.8	18.1	98	30	65	24	4.2	99	106	3.8	18.0	98	30	66	24	4.1	99
Total / Ave	326	3.9	18.1	98	31	68	24	4.1	101	330	3.9	18.1	98	31	68	24	4.1	101	329	3.9	18.1	98	31	68	24	4.1	101

MerinoLink 2017 Drop – Wells Classer Trial – Chris Bowman Measured LIFETIME Performance by Grade A5 (Drop Level)

	Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
Tops	37	4.3	18.3	99	31	71	25	4.1	105
Seconds	80	4.1	18.5	99	31	70	25	4.3	101
Sales	102	3.8	18.1	98	30	68	24	4.1	100
Culls	112	3.7	17.9	98	31	66	24	4.1	99
Total / Ave	331	3.9	18.1	98	31	68	24	4.1	101

MerinoLink 2017 Drop – Wells Classer Trial – Nathan King Measured LIFETIME Performance by Grade at Yearling, Adult 2 and Adult 5

Sire	Yearling Grade – Lifetime Average Performance /A5 MP+ Index									Adult Grade – Lifetime Average Performance /A5 MP+ Index									Adult 5 Grade Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
BUND 140055	25	3.8	17.7	95	30	69	26	4.9	108	25	3.8	17.7	95	30	69	26	4.9	108	25	3.8	17.7	95	30	69	26	4.9	108
Tops	3	3.9	18.2	100	29	71	28	4.3	102	3	4.0	18.0	98	28	75	27	4.3	105	3	4.0	18.2	95	29	72	26	5.3	108
Seconds	7	3.9	17.8	94	30	70	26	5.0	108	7	3.9	17.3	93	28	69	26	4.7	110	7	3.6	17.7	93	27	73	28	5.0	103
Sales	8	4.0	17.7	97	31	71	26	5.0	110	7	3.9	17.6	94	29	70	26	5.4	108	7	3.9	17.6	99	35	67	25	4.9	114
Culls	7	3.7	17.5	92	30	66	25	5.0	109	8	3.8	18.1	96	34	67	26	4.9	107	8	3.9	17.7	94	29	67	25	4.8	108
CPLUS 407185	24	3.6	17.2	98	26	70	26	4.1	102	24	3.6	17.2	98	26	70	26	4.1	102	24	3.6	17.2	98	26	70	26	4.1	102
Tops	3	3.8	16.7	102	26	70	24	5.7	108	3	3.5	17.6	107	22	77	28	4.7	103	3	3.9	17.6	106	23	71	27	4.0	108
Seconds	5	3.7	17.4	96	25	72	26	4.2	101	5	3.8	17.0	104	24	71	27	3.8	107	5	3.9	17.1	102	26	73	28	4.2	106
Sales	8	3.6	17.4	100	25	74	27	4.0	100	7	3.6	17.4	94	28	71	26	4.1	99	7	3.8	17.4	96	27	68	24	4.4	102
Culls	6	3.5	17.0	98	26	64	25	3.3	103	9	3.6	17.1	96	26	65	24	4.0	100	8	3.3	17.0	97	25	68	26	3.5	98
COLL 130545	27	4.3	19.3	94	33	69	25	4.1	103	27	4.3	19.3	94	33	69	25	4.1	103	27	4.3	19.3	94	33	69	25	4.1	103
Tops	2	4.1	19.0	97	33	72	26	4.0	96	2	4.5	18.6	88	37	79	24	3.0	100	3	4.7	20.3	98	37	74	25	2.7	102
Seconds	6	4.9	20.3	96	33	72	25	3.8	106	8	4.6	19.2	98	32	70	25	4.0	104	8	4.3	19.8	95	33	68	25	4.5	104
Sales	7	4.1	18.9	95	31	67	24	4.4	102	8	4.0	19.3	93	31	68	24	4.3	100	8	4.2	18.7	93	29	68	25	3.9	102
Culls	12	4.3	19.1	91	34	68	24	4.0	104	9	4.4	19.4	92	35	66	24	4.2	106	8	4.4	19.0	92	35	68	24	4.4	105
DTKEN 13017	27	4.1	17.8	100	32	68	24	4.3	107	27	4.1	17.8	100	32	68	24	4.3	107	27	4.1	17.8	100	32	68	24	4.3	107
Tops	3	3.8	18.4	98	37	74	26	4.0	99	2	5.1	17.5	105	33	72	23	5.5	126	3	4.9	18.0	101	34	69	22	3.7	114
Seconds	9	4.3	17.3	102	30	69	24	5.0	112	8	4.1	18.0	99	34	67	25	4.1	106	7	4.2	18.3	100	35	71	25	3.9	108
Sales	7	3.9	17.9	98	30	65	24	4.0	102	9	4.1	17.7	98	31	70	24	3.7	105	8	3.9	17.3	99	31	71	25	4.8	108
Culls	8	4.2	18.1	99	32	67	25	3.8	109	8	4.0	17.8	101	29	66	24	4.8	107	9	4.0	17.8	100	29	63	24	4.3	104
GREEN 140141	17	4.1	16.7	103	26	67	24	2.9	99	17	4.1	16.7	103	26	67	24	2.9	99	17	4.1	16.7	103	26	67	24	2.9	99
Tops	3	4.3	16.6	102	24	72	26	3.7	103	2	4.2	16.9	102	26	72	25	2.0	99	3	4.0	15.9	101	26	69	23	1.7	98
Seconds	3	4.3	17.5	114	25	67	25	3.0	97	3	4.3	16.3	100	26	71	24	3.7	107	3	4.5	17.4	105	24	71	27	3.3	102
Sales	5	3.8	16.4	99	28	67	23	3.2	101	6	3.9	16.9	102	25	65	24	2.8	95	5	4.0	16.6	104	27	67	24	3.8	100
Culls	6	4.1	16.6	101	25	66	24	2.2	95	6	4.2	16.7	105	26	66	23	2.8	98	6	4.0	16.9	101	26	64	23	2.5	96
LACHLAN 305	28	3.9	18.6	94	30	68	24	4.2	100	28	3.9	18.6	94	30	68	24	4.2	100	28	3.9	18.6	94	30	68	24	4.2	100
Tops	3	3.8	18.4	102	32	74	26	4.7	100	3	3.9	17.9	95	28	73	26	5.7	105	3	4.0	19.3	94	26	71	26	5.0	103
Seconds	7	4.2	18.7	90	28	70	24	4.4	102	9	4.1	18.9	92	32	70	23	4.2	100	7	3.7	18.3	91	29	69	24	4.4	98
Sales	9	4.0	18.8	93	30	67	23	4.1	100	7	4.0	18.9	93	27	67	24	4.1	99	9	4.2	18.6	96	29	67	23	3.2	100
Culls	9	3.7	18.5	95	30	65	24	4.0	98	9	3.8	18.4	96	30	65	24	3.8	99	9	3.9	18.7	93	32	67	24	4.8	101

Sire	Yearling Grade – Lifetime Average Performance /A5 MP+ Index									Adult Grade – Lifetime Average Performance /A5 MP+ Index									Adult 5 Grade Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
LEAHC 132624	27	3.5	17.9	99	29	67	25	3.2	82	27	3.5	17.9	99	29	67	25	3.2	82	27	3.5	17.9	99	29	67	25	3.2	82
Tops	3	3.7	17.4	101	30	77	26	3.3	81	2	4.4	18.5	98	30	73	25	5.0	93	3	3.5	17.8	98	25	72	26	3.3	77
Seconds	6	3.6	17.9	98	28	65	24	3.2	85	8	3.6	17.7	102	28	65	25	3.0	85	7	3.3	17.8	96	28	70	25	3.6	79
Sales	9	3.4	18.2	103	30	67	25	3.2	78	8	3.5	18.2	99	29	67	25	3.3	82	9	3.7	17.9	100	30	65	25	3.4	89
Culls	9	3.5	17.7	96	28	64	26	3.2	85	9	3.3	17.6	98	28	67	26	3.0	78	8	3.4	18.0	102	29	64	25	2.6	79
TALLA 150280	22	4.2	17.6	94	38	67	23	4.5	119	22	4.2	17.6	94	38	67	23	4.5	119	22	4.2	17.6	94	38	67	23	4.5	119
Tops	2	4.2	17.7	96	37	71	25	5.0	118	3	4.7	18.0	97	38	69	24	5.7	125	3	4.7	17.3	96	45	69	23	6.0	129
Seconds	6	4.6	17.5	94	36	66	22	4.7	123	8	4.4	17.5	91	40	68	22	4.5	123	5	4.2	17.6	97	38	67	23	4.0	119
Sales	7	3.9	17.3	95	39	68	22	4.4	117	5	4.3	18.0	97	38	67	24	3.6	117	7	4.0	17.8	94	37	67	23	4.3	112
Culls	6	4.3	17.7	94	39	65	23	4.2	119	6	3.8	17.2	96	37	63	22	4.5	113	6	4.3	17.2	92	36	65	22	4.3	122
TOL 151058	29	3.3	18.2	101	30	66	24	5.2	99	29	3.3	18.2	101	30	66	24	5.2	99	29	3.3	18.2	101	30	66	24	5.2	99
Tops	3	3.6	17.9	102	29	82	26	5.3	108	2	3.5	17.4	103	26	74	26	6.5	107	3	3.6	17.8	102	29	79	25	4.3	103
Seconds	8	3.3	18.2	97	30	67	23	5.4	100	8	3.5	18.0	99	28	74	24	4.8	101	8	3.3	18.4	99	30	71	24	5.5	98
Sales	11	3.3	18.2	102	30	65	24	5.8	100	8	3.4	18.4	101	32	64	24	5.3	100	9	3.5	18.4	101	28	65	24	5.3	102
Culls	7	3.2	18.2	101	28	60	23	4.0	94	11	3.1	18.2	101	30	60	23	5.3	96	9	3.1	17.9	101	32	59	22	5.1	97
TREF 150282	34	4.1	18.3	96	35	68	23	4.3	106	34	4.1	18.3	96	35	68	23	4.3	106	34	4.1	18.3	96	35	68	23	4.3	106
Tops	3	4.2	18.3	104	36	70	23	7.0	111	3	4.7	18.5	97	34	73	24	4.7	117	3	4.6	18.9	100	33	69	23	2.7	109
Seconds	10	3.9	18.3	97	36	69	23	4.4	103	10	4.0	18.4	95	37	69	24	5.1	106	9	4.1	18.6	92	35	66	24	4.6	108
Sales	12	4.0	18.6	94	36	68	24	4.3	105	12	3.9	18.2	96	36	68	24	3.7	105	10	4.4	18.8	99	38	70	23	4.0	108
Culls	9	4.4	17.9	94	33	66	22	3.2	111	9	4.2	18.3	96	31	65	22	4.0	106	12	3.7	17.5	95	32	67	23	4.7	103
TRIG 140477	35	3.8	19.0	101	30	73	25	4.4	92	35	3.8	19.0	101	30	73	25	4.4	92	35	3.8	19.0	101	30	73	25	4.4	92
Tops	2	4.4	18.6	100	30	83	28	4.5	108	3	3.8	17.7	100	32	79	27	3.3	99	3	4.0	18.8	100	30	70	25	4.3	98
Seconds	11	3.6	18.5	101	29	73	26	4.5	90	10	4.1	19.0	101	31	75	26	4.6	98	9	4.2	19.3	100	32	76	26	4.0	96
Sales	11	3.6	18.8	101	30	73	25	4.6	92	13	3.6	19.0	101	30	74	25	4.2	89	11	3.7	19.5	100	31	74	25	4.5	90
Culls	10	4.0	19.5	101	31	72	25	3.9	92	8	3.7	19.2	101	29	67	25	4.9	88	12	3.4	18.3	102	29	72	25	4.8	90
WPARK 422	22	4.4	18.6	105	30	69	24	3.0	96	22	4.4	18.6	105	30	69	24	3.0	96	22	4.4	18.6	105	30	69	24	3.0	96
Tops	3	4.0	18.6	107	35	73	24	4.3	96	3	4.2	18.8	103	32	72	25	4.0	97	3	4.4	17.7	107	26	71	23	4.7	107
Seconds	5	4.5	18.5	107	29	71	24	2.6	97	6	4.5	18.4	101	30	69	24	2.0	97	5	4.5	18.6	106	35	71	24	1.2	94
Sales	7	4.3	18.8	105	29	64	23	3.4	94	8	4.5	18.8	106	31	70	24	3.1	98	7	4.3	18.3	101	31	69	24	3.7	101
Culls	6	4.7	18.4	103	30	70	23	2.5	98	5	4.1	18.4	108	27	63	22	3.6	91	7	4.3	19.4	107	28	66	22	3.0	88

Sire	Yearling Grade – Lifetime Average Performance /A5 MP+ Index									Adult Grade – Lifetime Average Performance /A5 MP+ Index									Adult 5 Grade Lifetime Average Performance /A5 MP+ Index								
	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+	N	CFW	FD	SL	SS	WT	EMD	WR	MP+
WEST 110004	14	3.9	17.8	98	26	64	23	4.1	92	14	3.9	17.8	98	26	64	23	4.1	92	14	3.9	17.8	98	26	64	23	4.1	92
Tops	2	4.4	17.9	105	27	68	25	4.0	97	2	3.4	17.9	98	27	66	24	0.5	72	3	3.8	17.6	97	30	64	24	3.7	88
Seconds	3	3.7	17.9	103	21	67	22	3.7	80	3	3.4	17.3	99	23	64	22	5.7	86	3	4.2	18.3	97	26	64	23	4.7	93
Sales	5	3.8	17.7	97	25	63	23	4.4	92	4	4.4	18.0	100	24	68	24	4.0	95	4	3.8	17.6	92	27	63	23	4.5	93
Culls	4	3.8	17.7	93	30	62	23	4.0	97	5	3.9	17.8	96	29	62	22	4.5	99	4	3.7	17.8	104	24	66	22	3.6	92
TOTAL	327	3.9	18.1	98	31	68	24	4.1	101	331	3.9	18.1	98	31	68	24	4.1	101	331	3.9	18.1	98	31	68	24	4.1	101

Nathan King Change in Grade between Stages (and the % that stay the same between stages)

Y to A	Top	Sec	Sal	Cul	T	%	Y to A5	Top	Sec	Sal	Cul	T	%	A to A5	Top	Sec	Sal	Cul	T	%
BUND 140055	3	8	8	10	29		BUNDILLA 140055	3	7	8	9	27		BUNDILLA 140055	3	7	8	9	27	
Tops	1	1		1	3		Tops		1		2	3		Tops		3			3	
Seconds		2	5	1	8		Seconds	1	2	2	2	7		Seconds		2	3	2	7	
Sales	1	2	2	3	8		Sales	1	2	3	2	8		Sales	2	1	2	2	7	
Culls	1	3	1	5	10	34%	Culls	1	2	3	3	9	30%	Culls	1	1	3	5	10	33%
CPLUS 407185	3	6	8	7	24		CENTREPL 407185	3	4	6	8	21		CENTREPL 407185	3	5	7	8	23	
Tops	1		1	1	3		Tops	1		1	1	3		Tops	2				1	3
Seconds		1	4	1	6		Seconds		2	1	1	4		Seconds	1	3			1	5
Sales	2	3	2	1	8		Sales	1	2	2	3	8		Sales		1	3	2	6	
Culls		2	1	4	7	33%	Culls	1		2	3	6	38%	Culls		1	4	4	9	52%
COLL 130545	3	9	11	11	34		COLLIN 130545	3	8	9	11	31		COLLIN 130545	3	8	9	11	31	
Tops		3			3		Tops	1		1	1	3		Tops					3	3
Seconds	1	2	2	3	8		Seconds	2	2	2	2	8		Seconds	1	2	5	1	9	
Sales		4	6	1	11		Sales		2	4	2	8		Sales	1	4	2	2	9	
Culls	2		3	7	12	44%	Culls		4	2	6	12	42%	Culls	1	2	2	5	10	29%
DTKEN 13017	3	9	11	12	35		DTKENIL WH13017	3	7	8	9	27		DTKENIL WH13017	3	7	8	9	27	
Tops		2	1		3		Tops		2	1		3		Tops	1		1		2	
Seconds	3	2	2	3	10		Seconds	1	1	4	3	9		Seconds		2	3	3	8	
Sales		2	5	3	10		Sales	2	1	1	3	7		Sales	2	4	2	1	9	
Culls		3	3	6	12	37%	Culls		3	2	3	8	19%	Culls		1	2	5	8	37%
GREEN 140141	3	3	6	6	18		GREENDALE140141	3	3	5	6	17		GREENDALE140141	3	3	5	6	17	
Tops	1	2			3		Tops		2	1		3		Tops		1			1	2
Seconds			1	2	3		Seconds		1	1	1	3		Seconds	1	1	1		3	
Sales	2	1	2	1	6		Sales	2		1	2	5		Sales	2	1	1	2	6	
Culls			3	3	6	33%	Culls	1		2	3	6	29%	Culls			3	3	6	29%
LACHLAN 305	3	9	10	12	34		LACHLAN 305	3	7	10	10	30		LACHLAN 305	3	7	10	10	30	
Tops	2			1	3		Tops		1	1	1	3		Tops	1	1			1	3
Seconds	1	4	1	2	8		Seconds	1	2	1	3	7		Seconds	1	4	2	2	9	
Sales		4	4	3	11		Sales	2	2	4	1	9		Sales	1	1	5	1	8	
Culls		1	5	6	12	47%	Culls		2	4	5	11	37%	Culls		1	3	6	10	53%

Y to A	Top	Sec	Sal	Cul	T	%	Y to A5	Top	Sec	Sal	Cul	T	%	A to A5	Top	Sec	Sal	Cul	T	%
LEAHC 132624	3	10	9	11	33		LEAHCIM 132624	3	8	9	10	30		LEAHCIM 132624	3	8	9	10	30	
Tops	1	1		1	3		Tops	1	1	1		3		Tops	1	2			3	
Seconds	1	4	1	3	9		Seconds		4	2	2	8		Seconds		2	5	2	9	
Sales		3	4	3	10		Sales	1	2	2	4	9		Sales		3	2	4	9	
Culls	1	2	4	4	11	39%	Culls	1	1	4	4	10	37%	Culls	2	1	2	4	9	30%
TALLA 150280	2	9	12	12	35		TALLAWONG150280	3	6	7	9	25		TALLAWONG150280	3	6	7	9	25	
Tops	1	1		1	3		Tops		2			2		Tops	1	1			2	
Seconds	1	4	1	4	10		Seconds	1	2	1	4	8		Seconds	1	3	1	3	8	
Sales		3	5	2	10		Sales	2	1	2	3	8		Sales	1	2	3	2	8	
Culls		1	6	5	12	43%	Culls		1	4	2	7	24%	Culls			3	4	7	44%
TOL 151058	3	9	11	13	36		TOLAND 151058	3	8	10	10	31		TOLAND 151058	3	8	10	10	31	
Tops	1	2			3		Tops	1	2			3		Tops	1	1			2	
Seconds	1	3	2	4	10		Seconds	1	2	3	2	8		Seconds	2	3	1	2	8	
Sales	1	3	6	1	11		Sales	1	3	4	3	11		Sales		1	5	3	9	
Culls		1	3	8	12	50%	Culls		1	3	5	9	39%	Culls		3	4	5	12	45%
TREF 150282	3	11	12	14	40		TREFUSIS 150282	3	9	11	12	35		TREFUSIS 150282	3	9	11	12	35	
Tops	1	2			3		Tops			2	1	3		Tops			2	1	3	
Seconds	2	4	3	2	11		Seconds		2	3	5	10		Seconds		4	4	2	10	
Sales		3	7	2	12		Sales	1	6	2	3	12		Sales	1	3	3	5	12	
Culls		2	2	10	14	55%	Culls	2	1	4	3	10	20%	Culls	2	2	2	4	10	31%
TRIG 140477	3	11	13	11	38		TRIGGER 140477	3	9	11	12	35		TRIGGER 140477	3	9	11	12	35	
Tops	1	2			3		Tops		2			2		Tops	1	1			1	3
Seconds	2	3	2	4	11		Seconds	1	1	3	6	11		Seconds	1	4	3	2	10	
Sales		4	6	2	12		Sales	1	2	6	3	12		Sales	1	3	5	4	13	
Culls		2	5	5	12	39%	Culls	1	4	2	3	10	29%	Culls		1	3	5	9	43%
WPARK 422	3	5	8	8	24		WALLALOO PK 422	3	5	6	8	22		WALLALOO PK 422	3	5	7	8	23	
Tops	1		2		3		Tops	1	1	1		3		Tops		1	1	1	3	
Seconds	1	1	2	2	6		Seconds	1	2		2	5		Seconds	1	1	3	1	6	
Sales	1	2	2	3	8		Sales	1	1	3	2	7		Sales	2	2	2	2	8	
Culls		2	2	3	7	29%	Culls		1	2	4	7	45%	Culls		1	1	4	6	30%

Y to A	Top	Sec	Sal	Cul	T	%	Y to A5	Top	Sec	Sal	Cul	T	%	A to A5	Top	Sec	Sal	Cul	T	%
WEST 110004	3	4	8	8	23		WEST PL 110004	3	4	5	7	19		WEST PL 110004	3	4	5	7	19	
Tops			2	1	3		Tops	1		1	1	3		Tops			1	1	2	
Seconds	1	3	1		5		Seconds		1		2	3		Seconds	1	1		1	3	
Sales	1	1	3	2	7		Sales	1	1	2	1	5		Sales	1	2	1	2	6	
Culls	1		2	5	8	48%	Culls	1	2	2	3	8	37%	Culls	1	1	3	3	8	26%
TOTAL	38	103	127	135	403		Total	39	85	105	121	350		Total	39	86	107	121	353	

MerinoLink 2017 Drop – Wells Classer Trial – Chris Bowman LIFETIME Performance by Grade A5

Sire	COUNT	Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index							
		CFW	FD	SL	SS	WT	EMD	WR	MP+
Bundilla Poll, 140055	25	3.8	17.7	95	30	69	26	4.9	108
Tops	3	4.0	17.8	96	28	74	27	5.0	105
Seconds	6	3.6	17.9	96	30	71	27	5.8	106
Sales	7	4.1	18.0	94	28	69	25	4.0	109
Culls	9	3.8	17.4	95	33	67	25	5.0	110
Centre Plus Poll, 407185	24	3.6	17.2	98	26	70	26	4.1	102
Tops	3	3.9	17.9	106	24	70	27	3.7	107
Seconds	6	3.9	17.3	97	26	69	26	4.5	104
Sales	7	3.7	17.3	99	27	70	26	3.6	100
Culls	8	3.3	16.8	97	25	70	24	4.4	100
Collinsville Poll, 130545	27	4.3	19.3	94	33	69	25	4.1	103
Tops	3	5.0	20.4	95	33	71	23	3.7	108
Seconds	6	4.4	19.9	97	36	69	25	4.8	106
Sales	8	4.4	19.1	93	30	70	25	2.6	98
Culls	10	4.1	18.8	92	33	67	24	4.9	104
DT Kenilworth, WH13017	27	4.1	17.8	100	32	68	24	4.3	107
Tops	3	5.0	19.3	102	35	70	23	4.7	110
Seconds	6	4.0	17.8	98	34	70	25	4.8	110
Sales	9	4.0	17.4	103	29	69	25	4.3	108
Culls	9	4.0	17.7	97	31	65	24	3.7	104
Greendale, 140141	17	4.1	16.7	103	26	67	24	2.9	99
Tops	3	4.1	16.5	108	23	73	25	2.7	96
Seconds	3	4.4	17.7	102	27	70	25	2.7	100
Sales	5	4.0	16.1	99	26	65	22	3.8	102
Culls	6	4.0	16.8	104	26	65	24	2.3	96
Lachlan Merinos Poll, 015305	28	3.9	18.6	94	30	68	24	4.2	100
Tops	3	4.2	17.6	97	25	70	24	3.7	103
Seconds	7	4.1	19.4	98	32	72	24	3.9	97
Sales	8	4.1	18.9	92	31	68	24	5.1	102
Culls	10	3.7	18.1	92	28	65	23	3.9	99
Leahcim Poll, 132624	27	3.5	17.9	99	29	67	25	3.2	82
Tops	3	3.9	18.3	102	28	66	25	3.3	85
Seconds	7	3.6	18.1	103	31	67	26	3.0	80
Sales	8	3.4	18.0	97	27	67	25	3.1	80
Culls	9	3.5	17.4	97	29	66	24	3.4	85
Tallawong Merinos, 150280	22	4.2	17.6	94	38	67	23	4.5	119
Tops	3	4.5	18.0	93	45	67	23	5.0	125
Seconds	5	4.4	17.9	96	40	70	24	5.0	119
Sales	7	4.2	17.3	91	35	67	22	5.1	123
Culls	7	4.1	17.6	97	38	64	23	3.1	113
Toland Poll, 151058	29	3.3	18.2	101	30	66	24	5.2	99
Tops	3	3.7	18.0	96	28	74	24	5.3	104
Seconds	5	3.6	18.4	101	29	75	25	4.8	101
Sales	12	3.3	18.3	101	30	65	24	4.9	98
Culls	9	3.0	17.9	101	30	60	23	5.8	97

Sire	COUNT	Adult 5 Grade – Lifetime Average Performance /A5 MP+ Index							
		CFW	FD	SL	SS	WT	EMD	WR	MP+
Trefusis, 150282	34	4.1	18.3	96	35	68	23	4.3	106
Tops	3	4.3	19.0	96	38	70	24	3.0	105
Seconds	8	4.6	18.6	95	33	69	23	4.3	114
Sales	10	3.8	18.5	98	34	67	24	4.7	103
Culls	13	3.9	17.8	95	35	67	23	4.2	105
Trigger Vale Poll, 140477	35	3.8	19.0	101	30	73	25	4.4	92
Tops	2	4.9	20.1	103	31	75	27	4.5	108
Seconds	11	4.1	19.7	102	33	74	26	4.1	93
Sales	12	3.7	19.0	99	29	74	25	4.3	89
Culls	10	3.3	17.9	101	29	71	25	4.9	92
Wallaloo Park Poll, 150422	22	4.4	18.6	105	30	69	24	3.0	96
Tops	3	4.6	17.8	104	33	76	26	4.7	108
Seconds	5	4.6	17.9	106	25	69	24	2.4	97
Sales	6	4.3	18.7	103	27	69	23	3.3	98
Culls	8	4.2	19.3	106	34	65	23	2.6	90
West Plains Poll, 110004	14	3.9	17.8	98	26	64	23	4.1	92
Tops	2	4.4	18.4	95	27	64	23	4.0	96
Seconds	5	3.9	17.8	97	26	62	23	5.2	94
Sales	3	3.3	17.0	92	31	62	24	3.0	86
Culls	4	4.0	18.0	104	24	68	23	3.6	92
TOTAL	331	3.9	18.1	98	31	68	24	4.1	101

Appendix – Exploring Consolidated AMSEA and Professional Class Grades

This appendix evaluates the long-term productivity of ewes based on their first two AMSEA and Professional classer grades. By analysing the lifetime performance of animals designated as either 'retained' or 'removed' during early assessments, this work illustrates the impact of visual selection on flock performance over the lifetime of that flock.

MerinoLink 2017 Drop – AMSEA Grade – Ben Patrick Measured LIFETIME Performance by Grade (Drop Level) – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A5 MP+ Index - followed by Ave LT Scored Dag, Bdwr, Char, Col, Flrot, Dust, Back, Legs, Face, Spig, Jaw

AMSEA Class – Yearling

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top/Flock	284	3.9	18.2	99	31	69	4.2	24	4.1	101
Cull	45	3.8	18.1	96	30	66	3.9	24	4.2	99
Total	329	3.9	18.1	98	31	68	4.2	24	4.1	101

Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top/Flock	285	1.44	2.93	1.96	1.78	1.43	2.94	1.49	1.82	2.78	1.74	1.02
Cull	43	1.60	2.85	2.00	1.96	1.49	3.03	1.52	2.06	2.80	1.62	1.05
Total/Ave	328	1.46	2.91	1.96	1.81	1.44	2.96	1.50	1.86	2.79	1.73	1.03

AMSEA Class – Adult 2

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top/Flock	252	4.1	18.2	99	31	69	4.1	24	4.2	103
Cull	78	3.5	17.9	97	29	67	4.4	25	4.1	93
Total	329	3.9	18.1	98	31	68	4.2	24	4.1	101

Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top/Flock	252	1.48	3.02	1.95	1.79	1.46	2.93	1.51	1.78	2.82	1.74	1.03
Cull	76	1.40	2.56	1.99	1.87	1.39	3.03	1.44	2.06	2.67	1.67	1.03
Total/Ave	328	1.46	2.91	1.96	1.81	1.44	2.96	1.50	1.86	2.79	1.73	1.03

MerinoLink 2017 Drop – Professional Class – Craig Wilson Measured LIFETIME Performance by Grade (Drop Level) – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A5 MP+ Index - followed by Ave LT Scored Dag, Bdwr, Char, Col, Flrot, Dust, Back, Legs, Face, Spig, Jaw

Prof Class – Yearling

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top Stud Second	239	4.0	18.1	99	31	69	4.2	24	4.2	101
Sale	81	3.8	18.3	97	31	67	4.2	24	4.0	99
Cull	8	3.6	18.1	95	29	60	3.2	22	4.4	99
Total	328	3.9	18.1	98	31	68	4.2	24	4.1	101

Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top Stud Second	240	1.44	2.93	1.92	1.76	1.41	2.92	1.48	1.87	2.81	1.82	1.02
Sale	81	1.52	2.87	2.06	1.93	1.52	3.03	1.53	1.79	2.69	1.45	1.03
Cull	8	1.51	2.85	2.27	1.81	1.23	3.17	1.77	2.13	3.10	1.33	1.00
Total/Ave	329	1.46	2.91	1.96	1.81	1.44	2.96	1.50	1.86	2.79	1.73	1.03

Prof Class – Adult 2

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top Stud Second	215	4.1	18.1	98	31	69	4.1	24	4.2	104
Sale	99	3.6	18.3	99	30	67	4.4	25	4.0	95
Cull	16	3.4	18.1	98	31	62	4.1	23	4.3	92
Total	330	3.9	18.1	98	31	68	4.2	24	4.1	101

Grade	Count	Dag	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top Stud Second	216	1.48	3.06	1.94	1.79	1.45	2.91	1.53	1.81	2.83	1.78	1.03
Sale	96	1.45	2.62	1.99	1.79	1.42	3.04	1.43	1.85	2.70	1.50	1.03
Cull	16	1.39	2.62	2.10	2.06	1.43	3.08	1.45	2.48	2.71	2.50	1.06
Total/Ave	328	1.46	2.91	1.96	1.81	1.44	2.96	1.50	1.86	2.79	1.73	1.03