

Macquarie 2018 Drop Classing Report

Overview of Professional, AMSEA and Wells Classer Trial June 2025

Raw Data and Index

Introduction

The Macquarie site was hosted by NSW DPI and the Macquarie Sire Evaluation Association at the DPI owned Trangie Agricultural Research Station. The site was one of five sites participating in the AWI-funded Merino Lifetime Productivity (MLP) Project, which was facilitated by the Australian Merino Sire Evaluation Association.

2018 Drop Key Assessments and Dates

The Macquarie 2018 drop ewes are the daughters of 16 industry sires, each joined to a ewe base comprising two different ewe types. Ewes were sourced from the central west of NSW, with one ewe type described as heavy cutting averaging between 20.5 and 21.5mm, and the other is described as an all-purpose Merino type averaging between 18.0 and 18.5mm. Sires were allocated equally to ewes from each ewe type.

Like much of eastern Australia, the seasonal conditions at Trangie were exceptionally dry throughout 2018 and 2019 (post-weaning yield averaged 56.7% and hogget yield averaged 51.2%). Seasonal conditions improved in 2020, with periods of extreme wet and normal seasonal conditions for the remainder of the project.

Event	Date	Age Stage	Lactation Status	Age and Wool Growth
Birth	May 2018			
Post Weaning Assessment	February 2019	P	Dry	9 months, 9 months wool
Hogget Assessment	October 2019	H	Dry	17 months, 8 months wool
<i>First Joining</i>	<i>December 2019</i>			
Adult 2 Assessment	October 2020	A2	Post lambs weaned	2.5 years, 12 months' wool
Adult 3	October 2021	A3	Post lambs weaned	3.5 years, 12 months' wool
Adult 4	October 2022	A4	Post lambs weaned	4.5 years, 13 months' wool
Adult 5	October 2023	A5	Post lambs Weaned	5.5 years, 11 months

As per MLP protocol, the 2018 drop ewes were classed annually at each assessment for six years using two classing approaches – the AMSEA class (undertaken by Greg Sawyer) and the Professional class (undertaken by Chris Bowman).

In addition, the ewes were involved in a separate classing activity, the Wells Classer Trial, undertaken by Bill Walker and Chris Bowman. The Wells Classer Trial took place at three times at the Macquarie site: Post Weaning, Hogget, and Adult 5 (when ewes were 5.5 years of age).

Macquarie Site Breeding Objective: To breed a highly commercially viable flock of sheep suitable for the climate and pasture conditions of the western slopes and plains of NSW. Sheep should not require high management inputs but should be highly productive (fleece weight) relative to a medium wool type, and have good carcase and fertility characteristics that make ewes suitable as 1st-cross or prime lamb dams. In addition to soundness, the production emphasis is equally on increasing fleece weight, carcase and fertility while maintaining fibre diameter.

NOTE: The site committee has indicated that the index that best relates to the breeding objective is the MP+ index; none of the standard indexes completely meet the site's breeding objective.

Classing Methodology

Professional Class Process – Chris Bowman

- Drop randomly presented, no measured performance is provided, 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 – Greg Sawyer

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

Wells Classer Trial Process –Bill Walker and Chris Bowman

- 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

Glossary

Raw data is presented as lifetime performance. The ewes were shorn six times and joined four times.

- **Count or N** is the number of ewes in each grade that have full lifetime records used for reporting.
- **Average for ewes present at all 6 assessments** CFW = Clean Fleece Weight, FD = fibre diameter (um), SL = staple length (mm), SS = staple strength (N/ktex), FAT = fat (mm), EMD = eye muscle depth (mm), WT = pre-joining weight (animals with 4 pre-joining 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:** **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 words “**class**” and “**grade**” have been used interchangeably.

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

Sire ID	Sire name	Sire Abbreviation
609147–2015–150266	Anderson Poll, 150266	ANDER 150266
601250–2007–707115	Centre Plus Poll, 707115	CEP POLL 707115
504470–2013–130240	Charinga,130240 (Doc)	CHARINGA DOC
503884–2014–141924	GRASS, 141924 (R15)	G.RASS R15
503543–2012–120014	Glen Donald, 120014	GLEN 120014
601414–2014–014189	GullenGamble Poll, 014189	GUL 14189
500048–2012–120715	Haddon Rig, 2.715	HADRIG 2715
500383–2011–003542	Hazeldean, 11.3542 (Hugh)	HAZ HUGH
601413–2016–160137	Kerin Poll, 160137	KP 160137
503863–2016–160950	Langdene, 160950	LANG 160950
600531–2015–150010	Lewisdale Poll, 150010 (Monty)	LEWISDALE MONTY
503011–2014–140050	Orrie Cowie, 140050 (Trojan)	OC TROJAN
504166–2015–150039	Roseville Park, 150039	RP 150039
601050–2013–130707	Stockman Poll, 130707	STOCKMAN 130707
500083–2015–150610	Wanganella, 150610	WANG 150610
600610–2016–160001	Willandra Poll, 160001	WILLAN 160001

Disclaimer

This publication contains raw data that 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 no statistical analysis has been completed.**

Overview of Results Presented

The following classer results capture the performance by grade of the 2018 drop Macquarie 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 29) evaluates ewe long-term productivity 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 carcass 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:

- Site has a divergent ewe base, which may be impacting classing results
- Query whether a change in the shearing date means that wool length has influenced classing
- Drought may have impacted classing at the first assessment
- Grain feeding resulted in foot issues (foot paring took place twice on the 2018 drop ewes)
- 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 – at the second assessment prior to first lamb
- AMSEA – at the second assessment prior to first lamb

Classers are selecting for:

- Professional – selecting for CFW, SL, WT, Fat
- AMSEA – selecting for CFW, SL, SS, WT, some emphasis on EMD, selecting for improved feet/legs

Impact of ewe's reproduction status on classing:

- Professional – did not impact classing
- AMSEA – impacted classing

Change over time:

- Professional – approx 50% and above repeatability between classings
- AMSEA – approx 55 -60% and over of animals stay in the same grade between classings

<p>AMSEA Class – Post Weaning to Hogget – Three Way Grade</p> <ul style="list-style-type: none"> • 49% Stay in the same grade • 95% Stay in the same grade, or change by one grade • 5% of animals change by two grades 	<p>Professional Class – Post Weaning to Hogget – Five Way Grade</p> <ul style="list-style-type: none"> • 55% Stay in the same grade • 93% Stay in the same grade, or change by one grade • 7% of animals change by two grades
<p>AMSEA Class – Hogget to Adult 2 – Three Way Grade</p> <ul style="list-style-type: none"> • 63% Stay in the same grade • 98% Stay in the same grade, or change by one grade • 2% of animals change by two grades 	<p>Professional Class – Hogget to Adult 2 – Five Way Grade</p> <ul style="list-style-type: none"> • 50% Stay in the same grade • 87% Stay in the same grade, or change by one grade • 13% of animals change by two grades

Professional Classer Grade Results

Macquarie 2018 Drop – Professional Class – Chris Bowman 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, Back, Legs, Face, Spig, Jaw

<i>Age: 9m Wool: 9m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Post Weaning 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	18.7	104	34	67	3.6	22	4.0	99	116	-0.2	6.0	-0.7	112	0.1	-1.3	86	-0.8
Stud	38	4.4	19.1	102	37	66	4.0	24	4.9	101	110	0.2	3.6	2.0	111	0.5	0.7	105	1.2
Seconds	207	4.1	18.9	99	35	61	3.7	23	4.8	100	101	0.0	1.2	0.2	102	0.2	0.4	102	-0.1
Sale	142	3.9	19.0	97	34	58	3.5	23	4.7	100	98	0.1	-0.7	-0.3	97	-0.1	-0.2	100	0.0
Cull	59	3.8	18.6	93	34	54	2.9	22	4.3	100	95	-0.3	-5.0	-1.0	91	-0.7	-1.3	91	0.1
Total/Ave	451	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98	35	59	3.5	24	4.7	100
<i>Diff Top to Bottom</i>											<i>21</i>	<i>0.1</i>	<i>11.0</i>	<i>0.3</i>	<i>21</i>	<i>0.7</i>	<i>-0.1</i>	<i>-5</i>	<i>-1</i>

<i>Age: 9m Wool: 9m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Post Weaning Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	5	2.9	2.8	2.5	1.5	3.1	1.5	2.6	3.2	2.4	1.2
Stud	38	2.9	2.6	2.3	1.3	3.3	1.3	2.3	3.1	2.1	1.1
Seconds	207	2.8	2.8	2.3	1.2	3.3	1.3	2.3	3.1	2.4	1.1
Sale	142	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.4	1.2
Cull	59	2.9	2.9	2.4	1.2	3.4	1.4	2.4	3.2	2.4	1.3
Total/Ave	451	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		<i>0.0</i>	<i>-0.1</i>	<i>0.1</i>	<i>0.3</i>	<i>-0.2</i>	<i>0.1</i>	<i>0.2</i>	<i>0.0</i>	<i>0.0</i>	<i>-0.1</i>

<i>Age: 17m Wool: 9m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Hogget Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	5	4.6	18.2	106	35	62	3.7	23	4.6	111	113	-0.6	7.4	0.0	104	0.2	-0.2	98	10.9
Stud	41	4.3	19.1	101	36	66	4.0	24	5.0	101	108	0.2	3.0	0.9	110	0.5	0.6	106	0.8
Seconds	252	4.1	18.9	100	35	61	3.6	23	4.7	100	102	0.0	1.3	0.4	102	0.0	0.2	100	0.2
Sale	96	3.8	18.8	96	34	57	3.6	23	4.8	100	94	0.0	-2.3	-0.7	96	0.0	0.0	102	-0.2
Cull	59	3.7	18.7	93	34	54	3.1	22	4.3	98	93	-0.2	-4.8	-1.2	90	-0.5	-1.2	92	-2.1
Total/Ave	453	4.0	18.9	98	35	59	3.7	23	4.7	100	4.0	18.9	98	35	59	3.5	24	4.7	100
<i>Diff Top to Bottom</i>											<i>21</i>	<i>-0.4</i>	<i>12.2</i>	<i>1.2</i>	<i>13</i>	<i>0.6</i>	<i>1.0</i>	<i>7</i>	<i>13</i>

<i>Age: 17m Wool: 9m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Hogget Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	5	3.1	2.7	2.7	1.5	3.5	1.3	2.2	3.2	2.5	1.1
Stud	41	3.0	2.7	2.2	1.3	3.2	1.2	2.3	3.0	2.3	1.1
Seconds	252	2.9	2.8	2.3	1.3	3.4	1.3	2.3	3.1	2.4	1.1
Sale	96	2.8	2.8	2.3	1.2	3.4	1.4	2.3	3.1	2.1	1.2
Cull	59	2.8	2.9	2.4	1.2	3.4	1.3	2.4	3.2	2.5	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		<i>0.3</i>	<i>-0.2</i>	<i>0.3</i>	<i>0.3</i>	<i>0.1</i>	<i>0.0</i>	<i>-0.2</i>	<i>0.0</i>	<i>0.0</i>	<i>-0.2</i>

<i>Age: 2.5y 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	5.2	19.7	101	38	61	3.0	22	5.3	102	130	0.8	2.5	3.2	103	-0.6	-0.9	112	1.8
Stud	43	4.6	18.8	102	36	64	3.8	23	3.6	102	114	-0.1	3.6	0.9	108	0.2	-0.2	76	1.9
Seconds	271	4.1	19.1	99	36	60	3.5	23	4.7	101	103	0.2	0.7	0.9	101	0.0	0.0	101	0.6
Sale	82	3.6	18.4	95	33	58	3.6	23	5.0	100	91	-0.5	-3.5	-1.6	97	0.0	0.2	107	-0.3
Cull	53	3.5	18.6	97	32	56	3.4	23	4.9	95	88	-0.3	-1.4	-2.9	94	-0.1	-0.1	104	-4.4
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98	35	59	3.5	24	4.7	100
<i>Diff Top to Bottom</i>		<i>43</i>	<i>1.0</i>	<i>3.8</i>	<i>6.1</i>	<i>9</i>	<i>-0.5</i>	<i>-0.9</i>	<i>8</i>	<i>6</i>									

<i>Age: 2.5y Wool:12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 2 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	4	3.0	2.8	2.5	1.7	3.0	1.2	1.8	3.1	2.0	1.0
Stud	43	3.0	2.6	2.1	1.2	3.2	1.2	2.3	3.2	2.3	1.2
Seconds	271	2.8	2.8	2.3	1.2	3.3	1.3	2.3	3.1	2.3	1.2
Sale	82	2.9	2.8	2.3	1.2	3.5	1.3	2.5	3.1	2.3	1.1
Cull	53	2.8	2.8	2.4	1.2	3.5	1.5	2.5	3.0	2.5	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		<i>0.2</i>	<i>-0.1</i>	<i>0.2</i>	<i>0.5</i>	<i>-0.5</i>	<i>-0.3</i>	<i>-0.7</i>	<i>0.1</i>	<i>-0.5</i>	<i>-0.2</i>

<i>Age: 3.6y 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	4	4.8	19.6	104	38	68	3.9	23	3.8	98	119	0.8	5.4	3.6	114	0.4	0.4	80	-2.3
Stud	47	4.4	18.9	100	36	63	3.8	23	4.2	103	111	0.0	2.2	0.8	107	0.2	0.0	90	3.2
Seconds	253	4.1	18.9	98	35	59	3.5	23	4.7	101	102	0.1	0.1	0.7	100	0.0	0.0	101	1.3
Sale	89	3.9	18.8	97	34	58	3.5	23	4.8	98	96	0.0	-1.2	-0.9	98	-0.1	-0.1	103	-2.0
Cull	60	3.5	18.6	97	32	57	3.6	23	4.8	95	87	-0.2	-0.7	-2.5	97	0.0	0.2	102	-4.8
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98	35	59	3.5	24	4.7	100
<i>Diff Top to Bottom</i>											32	1.0	6.1	6.1	17	0.4	0.2	-22	2

<i>Age: 3.6y Wool:12m</i>		Raw Data - Average Lifetime Performance - Visual Scores									
Adult 3 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	4	2.7	2.9	2.4	1.0	3.3	1.1	2.7	3.4	2.3	1.2
Stud	47	2.9	2.7	2.2	1.3	3.2	1.2	2.3	3.2	2.2	1.1
Seconds	253	2.9	2.8	2.3	1.2	3.3	1.3	2.3	3.1	2.3	1.2
Sale	89	2.8	2.8	2.3	1.2	3.4	1.3	2.4	3.1	2.5	1.1
Cull	60	2.8	2.8	2.4	1.2	3.5	1.5	2.3	3.1	2.5	1.3
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		0.0	0.0	0.0	-0.2	-0.2	-0.4	0.4	0.3	-0.3	-0.1

<i>Age: 4.6y 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	9	4.6	18.9	101	36	65	3.8	23	3.6	101	115	0.1	2.9	1.6	109	0.3	-0.1	76	1.2
Stud	41	4.4	18.6	100	36	63	3.6	23	4.8	107	110	-0.3	1.6	0.9	106	0.0	0.3	103	7.1
Seconds	245	4.1	19.0	98	35	60	3.5	23	4.5	100	102	0.1	-0.1	0.6	100	0.0	-0.1	97	0.2
Sale	93	3.7	18.8	97	34	57	3.5	23	5.0	97	93	0.0	-0.7	-1.1	96	-0.1	-0.1	107	-2.4
Cull	65	3.7	18.6	98	33	59	3.6	23	4.8	98	93	-0.3	0.1	-1.5	99	0.1	0.3	102	-1.9
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98	35	59	3.5	24	4.7	100
<i>Diff Top to Bottom</i>											22	0.4	2.8	3.1	10	0.2	-0.4	-26	3

<i>Age: 4.6y Wool:12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 4 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	9	3.0	2.4	2.1	1.1	3.3	1.3	2.4	3.3	1.8	1.2
Stud	41	2.9	2.7	2.2	1.3	3.3	1.3	2.2	3.2	2.5	1.2
Seconds	245	2.9	2.8	2.3	1.2	3.3	1.3	2.3	3.1	2.3	1.1
Sale	93	2.8	2.8	2.4	1.3	3.4	1.4	2.3	3.0	2.4	1.1
Cull	65	2.8	2.8	2.4	1.2	3.5	1.3	2.6	3.1	2.5	1.3
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		<i>0.2</i>	<i>-0.4</i>	<i>-0.3</i>	<i>-0.1</i>	<i>-0.2</i>	<i>-0.1</i>	<i>-0.2</i>	<i>0.2</i>	<i>-0.8</i>	<i>-0.1</i>

<i>Age: 5.6y 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	8	4.8	18.8	101	38	65	4.6	23	5.6	115	121	-0.1	2.5	3.0	109	1.1	0.1	120	15.3
Stud	39	4.4	18.7	100	35	62	3.4	23	5.2	106	110	-0.2	2.2	0.1	104	-0.1	0.2	110	5.7
Seconds	253	4.1	18.9	98	35	60	3.5	23	4.7	100	101	0.1	-0.2	0.3	100	0.0	0.0	101	0.0
Sale	85	3.9	19.0	98	34	58	3.5	23	4.2	96	97	0.2	0.3	-0.5	98	0.0	-0.1	91	-4.1
Cull	68	3.8	18.6	97	34	58	3.7	23	4.7	100	93	-0.3	-1.0	-0.9	98	0.2	0.1	101	0.0
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98	35	59	3.5	24	4.7	100
<i>Diff Top to Bottom</i>		<i>27</i>	<i>0.2</i>	<i>3.6</i>	<i>3.9</i>	<i>11</i>	<i>0.9</i>	<i>0.0</i>	<i>20</i>	<i>15</i>									

<i>Age: 5.6y Wool:12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 5 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	8	3.0	2.7	2.2	1.6	3.3	1.3	2.5	3.1	1.7	1.1
Stud	39	2.8	2.6	2.3	1.2	3.3	1.2	2.1	3.2	2.1	1.2
Seconds	253	2.9	2.8	2.3	1.2	3.3	1.3	2.3	3.1	2.4	1.1
Sale	85	2.8	2.9	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.1
Cull	68	2.9	2.7	2.3	1.3	3.5	1.5	2.8	3.1	2.4	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		<i>0.2</i>	<i>0.0</i>	<i>-0.1</i>	<i>0.3</i>	<i>-0.2</i>	<i>-0.2</i>	<i>-0.3</i>	<i>0.1</i>	<i>-0.7</i>	<i>-0.1</i>

**Macquarie 2018 Drop – Professional Grade Change
Between Grade & Next Grade – Bowman**

	Grade	Hogget					
		Top	Stud	2nd	Sale	Cull	Total
Post Weaning	Top	1	2	2			5
	Stud		17	20	1		38
	2nd	4	19	150	25	9	207
	Sale		2	64	53	23	142
	Cull		1	14	17	27	59
	Total	5	41	250	96	59	451
55% stayed the same							
	Grade	Adult 2					
		Top	Stud	2nd	Sale	Cull	Total
Hogget	Top			5			5
	Stud	1	11	27	1	1	41
	2nd	3	27	167	34	21	252
	Sale		5	48	30	13	96
	Cull			24	17	18	59
	Total	4	43	271	82	53	453
50% stayed the same							
	Grade	Adult 3					
		Top	Stud	2nd	Sale	Cull	Total
Adult 2	Top	1	2	1			4
	Stud	3	16	20	3	1	43
	2nd		28	184	45	14	271
	Sale		1	34	25	22	82
	Cull			14	16	23	53
	Total	4	47	253	89	60	453
55% stayed the same							
	Grade	Adult 4					
		Top	Stud	2nd	Sale	Cull	Total
Adult 3	Top	2	1	1			4
	Stud	4	16	21		6	47
	2nd	3	23	164	39	24	253
	Sale		1	48	33	7	89
	Cull			11	21	28	60
	Total	9	41	245	93	65	453
54% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 4	Top	1	2	5	1		9
	Stud	5	12	20	4		41
	2nd	2	22	163	40	18	245
	Sale		3	43	25	22	93
	Cull			22	15	28	65
	Total	8	39	253	85	68	453
51% stayed the same							

**Macquarie 2018 Drop – Professional Grade Change
Between Each Grade & Adult 5 Grade – Bowman**

	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Post Weaning	Top		2	1	1	1	5
	Stud	1	8	25	3	1	38
	2nd	6	16	124	35	26	207
	Sale	1	10	74	33	24	142
	Cull		3	28	12	16	59
	Total	8	39	252	84	68	451
40% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Hogget	Top		1	2		2	5
	Stud	3	5	24	5	4	41
	2nd	4	30	152	38	28	252
	Sale	1	2	50	24	19	96
	Cull		1	25	18	15	59
	Total	8	39	253	85	68	453
43% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 2	Top	1	2	1			4
	Stud	2	8	22	8	3	43
	2nd	5	24	171	44	27	271
	Sale		4	40	21	17	82
	Cull		1	19	12	21	53
	Total	8	39	253	85	68	453
49% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 3	Top		2	1		1	4
	Stud	4	13	21	5	4	47
	2nd	4	21	171	36	21	253
	Sale		3	46	30	10	89
	Cull			14	14	32	60
	Total	8	39	253	85	68	453
54% stayed the same							
	Grade	Adult 5					
		Top	Stud	2nd	Sale	Cull	Total
Adult 4	Top	1	2	5	1		9
	Stud	5	12	20	4		41
	2nd	2	22	163	40	18	245
	Sale		3	43	25	22	93
	Cull			22	15	28	65
	Total	8	39	253	85	68	453
51% stayed the same							

AMSEA Classer Grade Results

Macquarie 2018 Drop – AMSEA Grade – Greg Sawyer 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, Back, Legs, Face, Spig, Jaw.

<i>Age: 9m Wool: 9m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Post Weaning Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	71	4.2	18.9	102	35	63	3.7	23	4.8	100	104	0.0	3.6	0.8	106	0.2	0.2	102	0.4
Flock	241	4.0	19.0	99	35	59	3.6	23	4.7	99	100	0.1	0.4	-0.2	100	0.1	0.1	100	-1.0
Cull	141	3.9	18.7	96	35	57	3.3	23	4.6	101	98	-0.2	-2.5	-0.1	97	-0.2	-0.3	98	1.6
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98.2	34.7	59.4	3.5	22.9	4.7	100
<i>Diff Top to Bottom</i>											<i>5</i>	<i>0</i>	<i>6</i>	<i>1</i>	<i>9</i>	<i>0.4</i>	<i>1</i>	<i>4</i>	<i>-1</i>

<i>Age: 9m Wool: 9m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Post Weaning Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	71	2.8	2.7	2.2	1.1	3.3	1.3	2.3	3.1	2.3	1.1
Flock	241	2.8	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.4	1.1
Cull	141	2.9	2.8	2.4	1.4	3.4	1.4	2.4	3.1	2.3	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		<i>0.1</i>	<i>0.1</i>	<i>-0.1</i>	<i>0.0</i>	<i>-0.3</i>	<i>0.0</i>	<i>-0.2</i>	<i>0.1</i>	<i>-0.2</i>	<i>-0.1</i>

<i>Age: 17m Wool: 9m</i>		Raw Data - Average LT Performance									Raw Data - Deviation from Average LT Performance								
Hogget Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+	CFW%	FDD	SLD	SSD	WT%	FATD	EMDD	WR%	MP+D
Top	60	4.3	18.9	100	36	66	3.9	24	5.2	102	106	0.0	2.3	0.8	112	0.4	1.0	111	2.5
Flock	278	4.0	19.0	99	35	60	3.6	23	4.6	99	100	0.1	0.4	0.5	100	0.1	0.0	98	-0.8
Cull	115	3.9	18.6	96	33	55	3.2	22	4.6	100	96	-0.2	-2.2	-1.6	93	-0.3	-0.6	99	0.5
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98.2	34.7	59.4	3.5	22.9	4.7	100
<i>Diff Top to Bottom</i>											10	0	4	2	19	0.7	2	12	2

<i>Age: 17m Wool: 9m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Hogget Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	60	2.9	2.8	2.3	1.3	3.4	1.3	2.2	3.0	2.4	1.1
Flock	278	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.1
Cull	115	2.8	2.9	2.4	1.2	3.4	1.3	2.6	3.2	2.4	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		0.1	-0.1	-0.1	0.1	0.0	-0.1	-0.4	-0.1	0.0	-0.1

<i>Age: 2.5y 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	40	4.4	18.9	101	36	65	3.8	23	4.4	102	110	0.1	3.1	1.3	110	0.2	0.1	94	2.6
Flock	296	4.0	19.0	98	35	60	3.6	23	4.7	99	100	0.1	0.1	0.4	101	0.1	0.1	100	-0.7
Cull	117	3.9	18.5	97	33	56	3.3	23	4.8	101	96	-0.4	-1.4	-1.4	94	-0.2	-0.3	102	0.9
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98.2	34.7	59.4	3.5	22.9	4.7	100
<i>Diff Top to Bottom</i>											14	0	5	3	16	0.4	0	-8	2

<i>Age: 2.5y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 2 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	40	2.9	2.8	2.2	1.3	3.3	1.3	1.9	3.1	2.5	1.1
Flock	296	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
Cull	117	2.9	2.8	2.3	1.2	3.4	1.4	2.7	3.2	2.3	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.7	-0.1	0.2	-0.1

<i>Age: 3.6y 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	77	4.4	19.1	101	36	63	3.9	23	3.8	99	109	0.2	3.0	1.0	107	0.4	0.1	82	-0.9
Flock	261	4.0	18.9	98	35	59	3.5	23	4.8	101	99	0.0	-0.1	0.3	100	-0.1	0.1	103	0.6
Cull	115	3.9	18.7	97	33	57	3.4	23	4.9	99	96	-0.2	-1.7	-1.3	96	-0.1	-0.2	104	-0.9
Total/Ave	453	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98.2	34.7	59.4	3.5	22.9	4.7	100
<i>Diff Top to Bottom</i>											13	0	5	2	10	0.5	0	-22	0

<i>Age: 3.6y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 3 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	77	2.8	2.6	2.2	1.1	3.3	1.2	2.1	3.1	2.2	1.1
Flock	261	2.9	2.8	2.3	1.2	3.3	1.3	2.2	3.1	2.4	1.2
Cull	115	2.9	2.9	2.4	1.5	3.4	1.4	2.7	3.2	2.4	1.2
Total/Ave	453	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		0.0	-0.3	-0.2	-0.3	-0.2	-0.2	-0.5	-0.1	-0.2	-0.1

<i>Age: 4.6y 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	62	4.4	19.0	99	36	63	3.9	23	4.1	101	109	0.1	1.0	1.3	107	0.3	0.1	88	0.7
Flock	245	4.0	18.9	99	35	59	3.5	23	4.7	100	100	0.0	0.5	0.2	100	0.0	0.0	101	0.1
Cull	145	3.9	18.9	97	34	58	3.4	23	4.9	99	97	0.0	-1.2	-0.9	97	-0.1	-0.1	104	-0.5
Total/Ave	452	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98.2	34.7	59.4	3.5	22.9	4.7	100
<i>Diff Top to Bottom</i>											12	0	2	2	10	0.5	0	-16	1

<i>Age: 4.6y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 4 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	62	2.9	2.7	2.2	1.2	3.2	1.3	2.1	3.2	2.3	1.1
Flock	245	2.9	2.8	2.2	1.1	3.3	1.3	2.2	3.1	2.3	1.2
Cull	145	2.9	2.8	2.5	1.5	3.4	1.3	2.6	3.1	2.4	1.2
Total/Ave	452	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		0.1	-0.2	-0.2	-0.3	-0.2	-0.1	-0.5	0.0	-0.1	-0.1

<i>Age: 5.6y 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	74	4.3	18.9	102	36	62	3.8	23	4.1	102	108	0.0	3.7	1.7	105	0.2	0.2	88	2.2
Flock	273	4.0	18.9	97	35	59	3.5	23	4.8	99	99	0.0	-1.0	0.0	100	0.0	0.0	102	-0.8
Cull	105	3.9	18.9	98	33	58	3.5	23	4.9	100	96	0.0	-0.1	-1.2	98	-0.1	0.0	104	0.4
Total/Ave	452	4.0	18.9	98	35	59	3.5	23	4.7	100	4.0	18.9	98.2	34.7	59.4	3.5	22.9	4.7	100
		<i>Diff Top to Bottom</i>									12	0	4	3	7	0.3	0	-17	2

<i>Age: 5.6y Wool: 12m</i>		Raw Data – Average Lifetime Performance – Visual Scores									
Adult 5 Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top	74	2.8	2.5	2.2	1.2	3.2	1.2	2.1	3.1	2.3	1.1
Flock	273	2.9	2.8	2.3	1.2	3.4	1.3	2.2	3.1	2.3	1.2
Cull	105	2.9	2.9	2.4	1.3	3.4	1.4	2.8	3.1	2.4	1.2
Total/Ave	452	2.9	2.8	2.3	1.2	3.4	1.3	2.3	3.1	2.3	1.2
<i>Diff Top to Bottom</i>		-0.1	-0.4	-0.2	-0.2	-0.2	-0.1	-0.7	-0.1	-0.1	0.0

Macquarie 2018 Drop – AMSEA Grade Change
Over Time – Greg Sawyer

		Hogget			
		Top	Flock	Cull	Total
Post Weaning	Grade				
	Top	15	48	8	71
	Flock	30	156	55	241
	Cull	15	74	52	141
	Total	60	278	115	453
49% stayed the same					

		Adult 2			
		Top	Flock	Cull	Total
Hogget	Grade				
	Top	21	31	8	60
	Flock	16	208	54	278
	Cull	3	57	55	115
	Total	40	296	117	453
63% stayed the same					

		Adult 3			
		Top	Flock	Cull	Total
Adult 2	Grade				
	Top	21	16	3	40
	Flock	45	199	52	296
	Cull	11	46	60	117
	Total	77	261	115	453
62% stayed the same					

		Adult 4			
		Top	Flock	Cull	Total
Adult 3	Grade				
	Top	25	43	9	77
	Flock	33	163	64	260
	Cull	4	39	72	115
	Total	62	245	145	452
58% stayed the same					

		Adult 5			
		Top	Flock	Cull	Total
Adult 4	Grade				
	Top	20	35	6	61
	Flock	48	163	34	245
	Cull	6	74	65	145
	Total	74	272	105	451
55% stayed the same					

Macquarie 2018 Drop – AMSEA Change
Between Grade & Adult 5 Grade – Greg Sawyer

		Adult 5			
		Top	Flock	Cull	Total
Post Weaning	Grade				
	Top	16	42	12	70
	Flock	39	154	48	241
	Cull	19	77	45	141
	Total	74	273	105	452
48% stayed the same					

		Adult 5			
		Top	Flock	Cull	Total
Hogget	Grade				
	Top	16	33	11	60
	Flock	50	168	59	277
	Cull	8	72	35	115
	Total	74	273	105	452
48% stayed the same					

		Adult 5			
		Top	Flock	Cull	Total
Adult 2	Grade				
	Top	14	21	5	40
	Flock	53	190	52	295
	Cull	7	62	48	117
	Total	74	273	105	452
56% stayed the same					

		Adult 5			
		Top	Flock	Cull	Total
Adult 3	Grade				
	Top	28	37	12	77
	Flock	40	173	47	260
	Cull	6	63	46	115
	Total	74	273	105	452
55% stayed the same					

		Adult 5			
		Top	Flock	Cull	Total
Adult 4	Grade				
	Top	20	35	6	61
	Flock	48	163	34	245
	Cull	6	74	65	145
	Total	74	272	105	451
55% stayed the same					

Wells Classer Trial

Macquarie 2018 Drop – Wells Classer Trial – Bill Walker Measured LIFETIME Performance by Grade at P, H and A5 (Drop Level)

	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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	41	4.4	18.9	100	36	65	24	5.1	102	38	4.3	18.6	102	35	66	24	4.6	102	48	4.3	18.5	101	36	63	23	4.1	104
Seconds	110	4.2	18.8	101	35	62	23	4.9	102	109	4.1	19.0	99	35	63	24	5.1	101	111	4.1	18.7	99	35	61	23	4.7	100
Sales	134	3.9	18.8	98	34	60	23	4.7	99	142	4.0	18.8	99	34	59	23	4.8	100	144	4.0	18.9	98	35	59	23	4.7	100
Culls	165	3.9	19.0	96	34	56	22	4.4	99	157	3.9	19.0	96	34	56	22	4.4	98	148	4.0	19.1	97	34	57	23	4.8	98
Total / Ave	450	4.0	18.9	98	35	59	23	4.7	100	453	4.0	18.9	98	35	59	23	4.7	100	451	4.0	18.9	98	35	59	23	4.7	100

Change in Grade over time

		Hogget					
Post Weaning	Grade	Top	Seconds	Sale	Cull	Total	
	Top	14	16	9	1	40	
	Seconds	19	44	29	17	109	
	Sales	2	34	61	34	131	
	Culls	3	14	42	104	163	
	Total	38	108	141	156	443	

50% stayed the same

		Adult 5					
Post Weaning	Grade	Top	Seconds	Sale	Cull	Total	
	Top	5	13	17	6	41	
	Seconds	21	37	26	26	110	
	Sales	14	30	44	44	132	
	Culls	7	30	57	71	165	
	Total	47	110	144	147	448	

35% stayed the same

same

		Adult 5					
Hogget	Grade	Top	Seconds	Sale	Cull	Total	
	Top	10	8	11	9	38	
	Seconds	11	33	42	22	108	
	Sales	19	36	43	43	141	
	Culls	8	32	45	72	157	
	Total	48	109	141	146	444	

36% stayed the same

Yellow = classed same grade
Red = classed one grade away

Macquarie 2018 Drop – Wells Classer Trial – Bill Walker Measured LIFETIME Performance by Grade at Post Weaning, Hogget and Adult 5 (By Sire)

Sire	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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+
ANDER 150266	33	3.3	18.7	97	31	62	23	4.9	89	34	3.3	18.7	97	31	62	23	4.9	89	34	3.3	18.7	97	31	62	23	4.9	89
Tops	2	3.9	18.5	101	36	71	25	6.0	102	3	4.0	18.9	103	36	71	25	5.0	102	3	3.0	18.4	98	32	60	23	5.7	88
Seconds	6	3.5	18.6	101	29	69	25	4.8	91	7	3.4	18.3	98	30	66	24	5.6	93	9	3.2	18.4	95	30	66	24	5.6	87
Sales	12	3.3	18.8	96	29	63	23	5.3	90	10	3.2	18.6	98	32	60	22	4.2	89	11	3.5	18.8	97	32	63	23	4.4	94
Culls	13	3.0	18.7	94	32	58	22	4.2	86	14	3.1	18.9	94	29	61	23	4.9	86	11	3.2	18.8	98	29	60	22	4.5	87
CEP POLL 707115	35	3.5	18.4	104	31	58	24	5.8	102	35	3.5	18.4	104	31	58	24	5.8	102	35	3.5	18.4	104	31	58	24	5.8	102
Tops	2	3.2	18.3	107	30	65	26	6.0	89	2	3.8	17.1	108	28	66	25	7.0	119	3	3.6	17.7	112	30	56	24	6.7	110
Seconds	10	3.6	18.6	109	29	63	24	7.0	104	9	3.6	18.8	110	30	62	24	6.3	102	8	3.5	18.5	103	29	59	24	6.1	100
Sales	10	3.6	18.4	104	32	57	24	5.1	101	14	3.6	18.4	102	32	59	24	5.9	101	12	3.6	18.7	104	34	59	23	5.3	102
Culls	13	3.5	18.3	100	32	53	23	5.5	102	10	3.3	18.4	101	31	50	23	5.1	99	12	3.4	18.3	104	29	56	24	5.9	101
CHARINGA DOC	24	4.2	18.8	96	37	61	24	4.8	105	24	4.2	18.8	96	37	61	24	4.8	105	24	4.2	18.8	96	37	61	24	4.8	105
Tops	3	4.1	18.0	95	36	64	24	4.3	105	2	4.4	19.0	103	42	65	24	6.0	112	3	3.9	17.9	97	38	62	25	5.7	110
Seconds	6	4.1	19.2	100	40	63	25	6.0	105	7	4.1	18.2	96	35	64	25	4.6	106	6	4.5	18.6	93	38	68	24	4.0	108
Sales	6	4.0	18.9	97	36	60	24	4.5	105	8	4.0	18.4	96	35	58	24	5.8	107	7	4.0	18.8	97	35	60	25	4.9	101
Culls	9	4.4	18.7	94	35	61	23	4.4	105	7	4.4	19.7	95	39	62	23	3.7	100	8	4.2	19.2	97	37	58	23	5.1	104
G.RASS R15	30	4.0	18.8	96	37	58	24	4.5	96	30	4.0	18.8	96	37	58	24	4.5	96	29	4.0	18.8	96	37	58	24	4.5	96
Tops	3	3.9	18.1	96	40	58	24	6.0	105	3	4.4	18.4	99	36	61	24	3.3	99	3	4.8	18.2	100	42	64	24	2.7	104
Seconds	9	4.6	19.0	101	40	60	24	4.1	100	7	4.3	18.9	99	37	61	25	5.1	98	7	4.2	18.6	102	40	59	24	4.6	100
Sales	10	3.9	18.9	98	38	58	23	4.4	96	9	3.8	18.6	94	37	59	23	5.0	98	10	4.0	18.6	91	38	57	23	4.4	101
Culls	8	3.5	18.9	87	33	57	23	4.4	89	10	3.7	19.0	94	36	55	23	4.0	89	9	3.5	19.3	94	34	56	23	4.9	84
GLEN 120014	31	4.4	19.3	97	31	57	21	3.9	84	31	4.4	19.3	97	31	57	21	3.9	84	31	4.4	19.3	97	31	57	21	3.9	84
Tops	3	5.4	21.1	106	32	64	21	3.0	82	3	5.0	19.8	106	31	64	22	3.7	87	3	5.1	20.2	105	33	64	22	2.3	82
Seconds	8	4.4	19.1	98	31	60	21	3.6	88	7	4.5	19.8	100	32	61	22	3.3	81	8	4.2	18.9	93	32	57	21	3.9	84
Sales	9	4.3	19.3	96	30	56	22	5.0	83	9	4.6	19.2	96	31	58	21	4.7	86	10	4.4	19.3	99	30	59	22	4.1	81
Culls	11	4.1	19.1	96	30	54	20	3.4	82	12	4.0	19.0	95	29	53	20	3.7	83	10	4.4	19.5	97	30	53	20	4.1	86
GUL 14189	28	4.1	19.0	104	34	57	22	4.8	102	29	4.1	19.0	104	34	57	22	4.8	102	29	4.1	19.0	104	34	57	22	4.8	102
Tops	2	4.5	18.9	99	36	64	24	6.5	109	2	4.9	19.1	105	38	62	23	5.0	114	3	4.7	18.7	101	35	59	21	2.3	106
Seconds	7	4.1	19.2	106	36	59	23	5.0	101	6	4.3	18.9	105	34	61	23	6.0	106	8	4.2	18.8	106	33	60	23	5.1	103
Sales	8	4.0	19.0	103	36	58	23	4.3	100	10	4.1	19.0	105	33	58	22	5.0	100	8	4.0	19.1	107	33	54	22	5.6	102
Culls	11	4.2	19.2	103	33	54	21	4.5	102	11	3.9	19.2	102	35	53	21	3.8	98	10	4.0	19.2	101	36	56	22	4.5	99

Sire	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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+
HADRIG 2715	31	4.4	19.7	99	36	55	22	5.4	109	32	4.4	19.7	99	36	55	22	5.4	109	32	4.4	19.7	99	36	55	22	5.4	109
Tops	3	4.6	19.0	98	38	61	23	5.7	113	2	4.5	20.1	98	39	57	21	4.0	101	3	4.7	19.6	100	38	57	21	4.3	104
Seconds	8	4.6	19.7	100	35	59	23	5.6	107	9	4.6	19.3	98	36	60	23	6.0	114	8	4.6	19.5	101	34	57	23	5.9	113
Sales	8	4.2	19.5	100	36	55	23	5.9	112	9	4.7	20.3	102	34	54	22	5.4	111	11	4.3	19.7	98	38	57	23	5.8	111
Culls	12	4.3	19.9	97	35	52	21	4.8	109	12	4.0	19.5	97	36	53	21	5.1	106	10	4.2	19.9	97	34	51	21	4.8	106
HAZ HUGH	31	3.8	17.6	92	35	54	20	5.5	114	31	3.8	17.6	92	35	54	22	5.5	114	30	3.8	17.6	92	35	54	22	5.5	114
Tops	2	4.1	17.8	100	34	66	22	5.5	111	2	3.8	17.0	94	38	65	23	5.0	115	3	4.4	17.4	97	41	62	21	4.0	125
Seconds	8	3.7	17.5	90	34	57	23	5.5	110	9	3.6	17.2	92	36	59	23	5.8	108	7	3.5	17.1	91	36	55	23	5.7	113
Sales	9	3.6	17.1	95	34	53	23	5.7	112	11	3.7	17.5	93	31	51	22	5.7	113	10	3.9	17.8	91	33	52	22	5.8	115
Culls	12	3.9	17.9	89	37	52	22	5.5	118	9	4.0	18.0	90	38	51	21	5.2	119	10	3.8	17.8	92	34	53	21	5.8	110
KP 160137	20	4.4	19.5	107	37	63	21	4.5	106	20	4.4	19.5	107	37	63	22	4.5	106	20	4.4	19.5	107	37	63	24	4.5	106
Tops	3	5.4	18.7	107	37	70	22	3.7	116	3	4.9	19.8	106	39	68	21	4.3	107	3	4.8	19.4	107	34	66	22	4.0	108
Seconds	3	4.2	19.7	105	38	69	23	4.7	97	3	4.0	19.7	101	37	66	23	4.0	100	4	4.3	19.2	107	39	63	21	4.8	107
Sales	6	4.3	19.2	110	35	61	22	4.7	110	6	4.6	18.5	109	35	64	23	3.7	110	5	4.1	19.6	103	39	66	23	4.8	100
Culls	8	4.1	20.0	105	39	60	23	4.6	102	8	4.2	20.1	108	39	59	21	5.4	105	8	4.5	19.7	108	37	60	22	4.4	108
LANG 160950	20	4.1	18.9	99	39	60	21	3.8	97	20	4.1	18.9	99	39	60	21	3.8	97	20	4.1	18.9	99	39	60	21	3.8	97
Tops	3	3.8	18.3	103	33	64	21	5.7	96	3	3.4	18.2	100	33	67	23	6.3	92	3	4.3	18.0	100	38	66	21	4.0	99
Seconds	4	4.4	19.4	104	42	61	23	4.5	102	4	4.2	19.1	103	40	63	21	4.5	100	4	4.3	19.0	104	37	60	21	4.3	103
Sales	6	3.6	18.4	99	37	62	22	3.3	90	7	4.0	18.6	100	39	59	22	3.0	94	7	3.7	19.0	99	39	62	22	3.4	91
Culls	7	4.4	19.2	95	40	56	21	3.0	101	6	4.4	19.5	95	40	55	20	3.0	101	6	4.2	19.1	95	39	55	22	3.8	99
LEWISDALE MONTY	28	4.5	20.5	97	39	61	21	3.9	95	28	4.5	20.5	97	39	61	23	3.9	95	28	4.5	20.5	97	39	61	21	3.9	95
Tops	2	4.9	20.1	101	42	70	23	5.5	100	2	5.0	20.1	108	39	72	26	4.0	102	3	4.4	19.4	99	34	58	23	4.0	101
Seconds	8	4.9	20.1	99	39	64	25	3.5	103	7	4.3	20.8	100	39	63	24	4.0	94	7	4.4	19.3	100	36	63	23	3.7	100
Sales	8	4.4	20.1	93	39	60	23	4.0	93	9	4.7	20.6	94	40	61	23	3.8	95	9	4.4	20.6	96	41	64	23	3.9	93
Culls	10	4.1	21.1	99	38	57	24	3.9	90	10	4.4	20.2	96	37	56	22	4.0	95	9	4.7	21.6	95	40	56	24	4.1	93
OC TROJAN	29	4.0	18.4	97	32	64	23	4.8	98	29	4.0	18.4	97	32	64	23	4.8	98	29	4.0	18.4	97	32	64	23	4.8	98
Tops	2	4.4	17.3	97	27	70	23	5.0	99	3	4.1	17.7	97	32	68	24	4.7	96	3	3.9	17.8	103	34	68	23	4.7	102
Seconds	7	4.2	18.3	100	34	69	23	5.1	100	7	4.1	18.8	100	33	71	25	5.4	96	7	4.2	18.5	97	35	66	24	5.0	96
Sales	10	4.2	18.6	96	35	63	24	5.1	103	10	4.0	18.2	98	33	64	23	5.3	101	9	3.9	18.1	98	31	65	24	4.7	97
Culls	10	3.7	18.4	96	29	59	24	4.1	91	9	3.9	18.5	93	30	57	22	3.7	96	10	4.0	18.8	94	31	60	24	4.7	98

Sire	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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+
RP 150039	27	3.8	18.8	98	34	60	23	5.0	103	27	3.8	18.8	98	34	60	25	5.0	103	27	3.8	18.8	98	34	60	22	5.0	103
Tops	3	4.2	20.1	102	42	63	25	5.0	107	2	3.5	18.7	99	29	65	26	5.5	97	3	3.8	18.6	104	36	67	25	4.3	102
Seconds	6	3.7	18.0	102	34	63	25	5.0	100	6	4.1	19.6	99	39	65	26	4.3	100	7	3.7	18.6	98	34	60	26	4.4	101
Sales	7	4.0	19.0	98	35	60	26	4.7	107	7	3.7	18.6	102	35	59	25	5.3	104	9	3.9	19.2	96	34	58	25	5.4	109
Culls	11	3.5	18.8	94	32	59	25	5.2	101	11	3.6	18.5	95	32	59	24	5.0	105	8	3.6	18.7	98	34	61	25	5.3	98
STOCKMAN 130707	29	3.7	17.9	94	37	62	24	4.1	98	29	3.7	17.9	94	37	62	24	4.1	98	29	3.7	17.9	94	37	62	25	4.1	98
Tops	3	4.1	18.2	96	41	65	23	4.3	97	2	3.7	17.7	92	36	72	23	2.0	88	3	3.9	17.6	99	37	65	23	2.0	100
Seconds	6	3.8	17.5	95	37	64	24	4.2	100	7	4.0	18.3	95	40	63	26	4.6	101	7	3.8	18.0	98	37	62	22	2.6	96
Sales	9	3.7	18.2	97	37	64	23	2.9	94	9	3.6	17.8	98	35	62	23	3.4	95	9	3.5	17.9	93	38	60	24	4.3	95
Culls	11	3.5	17.7	90	36	57	24	4.9	101	10	3.6	17.9	89	37	57	24	4.8	101	10	3.8	17.8	90	37	61	23	5.5	102
WANG 150610	30	4.4	18.9	103	35	61	23	3.7	95	30	4.4	18.9	103	35	61	23	3.7	95	30	4.4	18.9	103	35	61	24	3.7	95
Tops	2	4.5	18.0	103	35	64	23	4.0	96	3	4.9	18.2	107	38	66	23	3.7	105	3	4.7	18.8	107	38	68	23	3.3	103
Seconds	8	4.9	19.4	108	37	61	23	3.8	98	7	4.7	19.4	105	36	65	22	3.9	99	8	4.5	19.1	104	36	63	22	3.9	95
Sales	10	4.3	19.0	101	32	64	22	4.1	94	8	4.3	19.3	102	36	63	23	3.4	87	10	4.1	18.0	103	33	59	24	3.6	96
Culls	10	4.1	18.7	99	36	57	24	3.1	95	8	4.2	18.5	101	33	54	24	3.8	98	9	4.5	19.7	100	35	60	22	3.7	93
WILLAN 160001	24	4.2	19.0	93	35	58	23	5.0	109	24	4.2	19.0	93	35	58	22	5.0	109	24	4.2	19.0	93	35	58	23	5.0	109
Tops	3	4.5	20.3	94	38	64	24	6.3	104	1	4.9	17.7	106	29	61	24	5.0	125	3	4.6	18.3	93	39	59	24	6.3	122
Seconds	6	4.5	18.5	96	34	59	24	5.8	118	7	4.4	19.5	91	35	61	24	6.0	107	6	4.3	18.8	93	34	61	25	6.0	112
Sales	6	3.8	18.6	93	34	58	24	5.5	107	6	4.2	18.9	96	33	58	24	6.2	113	7	4.3	19.1	92	37	56	24	3.3	105
Culls	9	4.3	19.3	92	36	55	24	3.7	106	10	4.2	19.0	92	37	55	24	3.6	106	8	4.0	19.4	95	34	57	23	5.3	105
Grand Total	450	4.0	18.9	98	35	59	23	4.7	100	453	4.0	18.9	98	35	59	23	4.7	100	451	4.0	18.9	98	35	59	23	4.7	100

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

P to A	Top	Sec	Sal	Cul	T	%	P to A5	Top	Sec	Sal	Cul	T	%	H to A5	Top	Sec	Sal	Cul	T	%
ANDER 150266	3	6	10	14	33		ANDER 150266	2	9	11	11	33		ANDER 150266	3	9	11	11	34	
Tops	2				2		Tops		1	1		2		Tops		1	1	1	3	
Seconds	1	1	1	3	6		Seconds		4	1	1	6		Seconds	1	1	3	2	7	
Sales		5	4	3	12		Sales		2	4	6	12		Sales	1	1	4	4	10	
Culls			5	8	13	45%	Culls	2	2	5	4	13	36%	Culls	1	6	3	4	14	26%
CEP POLL 707115	2	9	14	10	35		CEP POLL 707115	3	8	12	12	35		CEP POLL 707115	3	8	12	12	35	
Tops		1	1		2		Tops		1	1		2		Tops					2	2
Seconds	2	5	3		10		Seconds	2	1	3	4	10		Seconds	1	1	5	2	9	
Sales		3	5	2	10		Sales		2	4	4	10		Sales	1	6	3	4	14	
Culls			5	8	13	51%	Culls	1	4	4	4	13	26%	Culls	1	1	4	4	10	23%
CHARINGA DOC	2	7	8	7	24		CHARINGA DOC	3	6	7	8	24		CHARINGA DOC	3	6	7	8	24	
Tops		1	2		3		Tops	1	2			3		Tops	1	1			2	
Seconds	2	2	1	1	6		Seconds	2	1	2	1	6		Seconds		2	4	1	7	
Sales		3	1	2	6		Sales		1	1	4	6		Sales	2	1	1	4	8	
Culls		1	4	4	9	29%	Culls		2	4	3	9	25%	Culls		2	2	3	7	29%
G.RASS R15	3	7	9	10	29		G.RASS R15	3	7	10	9	29		G.RASS R15	3	7	9	9	28	
Tops		2		1	3		Tops		1	2		3		Tops	1				2	3
Seconds	2	4	1	1	8		Seconds	2	3	2	2	9		Seconds	1	2	3	1	7	
Sales	1		6	3	10		Sales	1	2	2	4	9		Sales		3	3	2	8	
Culls		1	2	5	8	52%	Culls		1	4	3	8	28%	Culls	1	2	3	4	10	36%
GLEN 120014	3	7	9	12	31		GLEN 120014	3	8	10	10	31		GLEN 120014	3	8	10	10	31	
Tops	2	1			3		Tops	1		2		3		Tops	1		2		3	
Seconds	1	3	2	2	8		Seconds	1	2	3	2	8		Seconds		2	3	2	7	
Sales		1	5	3	9		Sales	1	1	4	3	9		Sales	1	2	4	2	9	
Culls		2	2	7	11	55%	Culls		5	1	5	11	39%	Culls	1	4	1	6	12	42%
GUL 14189	2	6	9	11	28		GUL 14189	3	7	8	10	28		GUL 14189	3	8	8	10	29	
Tops	1		1		2		Tops		1		1	2		Tops	1	1			2	
Seconds		2	4	1	7		Seconds		4		3	7		Seconds		1	4	1	6	
Sales	1	1	3	3	8		Sales	2	2	2	2	8		Sales	1	5	1	3	10	
Culls		3	1	7	11	46%	Culls	1		6	4	11	36%	Culls	1	1	3	6	11	31%

P to A	Top	Sec	Sal	Cul	T	%	P to A5	Top	Sec	Sal	Cul	T	%	H to A5	Top	Sec	Sal	Cul	T	%	
HADRIG 2715	2	9	9	11	31		HADRIG 2715	3	8	11	9	31		HADRIG 2715	3	8	11	10	32		
Tops		3			3		Tops		1	2		3		Tops	1				1	2	
Seconds	1	4	1	2	8		Seconds	2	4	1	1	8		Seconds	1	5	3			9	
Sales		2	3	3	8		Sales		2	5	1	8		Sales	1	2	3	3		9	
Culls	1		5	6	12	42%	Culls	1	1	3	7	12	52%	Culls		1	5	6	12		47%
HAZ HUGH	2	9	11	9	31		HAZ HUGH	3	7	10	10	30		HAZ HUGH	3	7	10	10	30		
Tops	1	1			2		Tops	1			1	2		Tops	1	1				2	
Seconds	1	4	2	1	8		Seconds	1	4	2	1	8		Seconds	1	3	1	3		8	
Sales		4	4	1	9		Sales	1	1	3	3	8		Sales			7	4		11	
Culls			5	7	12	52%	Culls		2	5	5	12	43%	Culls	1	3	2	3	9		47%
KP 160137	3	3	6	8	20		KP 160137	3	4	5	8	20		KP 160137	3	4	5	8	20		
Tops	1		2		3		Tops		1	1	1	3		Tops	1	1	1			3	
Seconds	1	1		1	3		Seconds	1		2		3		Seconds	1	1	1			3	
Sales		1	3	2	6		Sales	1	2		3	6		Sales	1	2	1	2		6	
Culls	1	1	1	5	8	50%	Culls	1	1	2	4	8	20%	Culls			2	6	8		45%
LANG 160950	3	4	7	6	20		LANG 160950	3	4	7	6	20		LANG 160950	3	4	7	6	20		
Tops	2		1		3		Tops	1	2			3		Tops	1	1	1			3	
Seconds	1	2	1		4		Seconds	1	1	2		4		Seconds	1	1	2			4	
Sales		2	4		6		Sales	1		4	1	6		Sales	1	1	3	2		7	
Culls			1	6	7	70%	Culls		1	1	5	7	55%	Culls		1	1	4	6		45%
LEWISDALE MONTY	2	7	9	10	28		LEWISDALE MONTY	3	7	9	9	28		LEWISDALE MONTY	3	7	9	9	28		
Tops	1		1		2		Tops			2		2		Tops		1	1			2	
Seconds	1	3	2	2	8		Seconds	1	3	2	2	8		Seconds		3	3	1		7	
Sales		1	4	3	8		Sales	1	2	2	3	8		Sales	2	1	4	2		9	
Culls		3	2	5	10	46%	Culls	1	2	3	4	10	32%	Culls	1	2	1	6	10		46%
OC TROJAN	3	7	10	9	29		OC TROJAN	3	7	9	10	29		OC TROJAN	3	7	9	10	29		
Tops	2				2		Tops			2		2		Tops		1	2			3	
Seconds	1	4	1	1	7		Seconds	1	4	1	1	7		Seconds	1	3	2	1		7	
Sales		2	6	2	10		Sales	2	2	3	3	10		Sales	2	2	4	2		10	
Culls		1	3	6	10	62%	Culls		1	3	6	10	45%	Culls		1	1	7	9		48%

P to A	Top	Sec	Sal	Cul	T	%	P to A5	Top	Sec	Sal	Cul	T	%	H to A5	Top	Sec	Sal	Cul	T	%
RP 150039	2	6	7	11	26		RP 150039	3	7	9	8	27		RP 150039	3	7	9	7	26	
Tops		3			3		Tops	1	1	1		3		Tops			1	1	2	
Seconds	1	2	3		6		Seconds	1	1	1	3	6		Seconds	2	1	1	2	6	
Sales		1	3	3	7		Sales	1	1	4	1	7		Sales		3	2	2	7	
Culls	1		1	8	10	50%	Culls		4	3	4	11	37%	Culls	1	3	5	2	11	19%
STOCKMAN 130707	2	7	9	10	28		STOCKMAN 130707	3	7	9	10	29		STOCKMAN 130707	3	6	9	10	28	
Tops	1	1	1		3		Tops			1	2	3		Tops				2	2	
Seconds	1	2	2	1	6		Seconds	2		1	3	6		Seconds	1	2	3	1	7	
Sales		4	3	1	8		Sales	1	5	3		9		Sales	2	2	2	3	9	
Culls			3	8	11	50%	Culls		2	4	5	11	28%	Culls		2	4	4	10	29%
WANG 150610	3	7	8	8	26		WANG 150610	3	8	10	9	30		WANG 150610	3	7	8	8	26	
Tops	1				1		Tops			2		2		Tops	2		1		3	
Seconds	2	3	2	1	8		Seconds	2	3	1	2	8		Seconds		2	2	3	7	
Sales		3	4	1	8		Sales	1	3	2	4	10		Sales	1	4	1	2	8	
Culls		1	2	6	9	54%	Culls		2	5	3	10	27%	Culls		1	4	3	8	31%
WILLAN 160001	1	7	6	10	24		WILLAN 160001	3	6	7	8	24		WILLAN 160001	3	6	7	8	24	
Tops		3			3		Tops		2		1	3		Tops			1		1	
Seconds	1	2	3		6		Seconds	2	2	2		6		Seconds		3	2	2	7	
Sales		1	3	2	6		Sales	1	2	1	2	6		Sales	3	1		2	6	
Culls		1		8	9	54%	Culls			4	5	9	33%	Culls		2	4	4	10	29%
Total	38	108	141	156	443		Total	47	110	144	147	448		Total	48	109	141	146	444	

Macquarie 2018 Drop – Wells Classer Trial – Chris Bowman Measured LIFETIME Performance by Grade at P, H and A5 (Drop Level)

	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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	39	4.3	18.6	103	36	65	23	4.5	101	39	4.1	18.6	102	35	66	24	4.6	99	48	4.5	18.9	100	36	63	23	4.3	105
Seconds	120	4.1	18.6	100	35	63	24	4.9	101	121	4.1	18.5	100	34	61	23	4.9	102	112	4.1	18.9	99	35	61	23	4.5	100
Sales	134	4.0	19.0	99	35	59	23	4.8	99	137	4.0	18.9	97	36	59	23	4.9	100	142	4.0	18.9	98	35	59	23	4.7	101
Culls	158	4.0	19.0	95	34	56	22	4.5	100	156	4.0	19.2	96	34	56	22	4.4	98	149	3.8	18.8	97	34	57	23	4.9	98
Total / Ave	451	4.0	18.9	98	35	59	23	4.7	100	453	4.0	18.9	98	35	59	23	4.7	100	451	4.0	18.9	98	35	59	23	4.7	100

		Hogget				
Post Weaning	Grade	Top	Seconds	Sale	Cull	Total
	Top	14	17	4	4	39
	Seconds	19	54	36	11	120
	Sales	4	31	51	48	134
	Culls	2	18	46	92	158
	Total	39	120	137	155	451

47% stayed the same

		Adult 5				
Hogget	Grade	Top	Seconds	Sale	Cull	Total
	Top	5	14	10	9	38
	Seconds	20	36	37	28	121
	Sales	11	42	42	41	136
	Culls	12	20	53	71	156
	Total	48	112	142	149	451

34% stayed the same

		Adult 5				
Post Weaning	Grade	Top	Seconds	Sale	Cull	Total
	Top	9	10	14	6	39
	Seconds	17	44	27	31	119
	Sales	13	33	44	43	133
	Culls	9	25	55	69	158
	Total	48	112	140	149	449

37% stayed the same

Yellow = classed same grade
Red = classed one grade away

Macquarie 2018 Drop – Wells Classer Trial – Chris Bowman Measured LIFETIME Performance by Grade at Post Weaning, Hogget and Adult 5 (By Sire)

Sire	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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+
ANDER 150266	34	3.3	18.7	97	31	62	23	4.9	89	34	3.3	18.7	97	31	62	23	4.9	89	34	3.3	18.7	97	31	62	24	4.9	89
Tops	3	3.6	18.1	104	30	61	22	4.0	88	3	3.3	17.8	99	32	71	25	6.0	91	3	3.1	18.2	95	28	60	25	5.0	88
Seconds	8	3.4	18.5	99	31	69	25	5.8	93	9	3.4	18.6	99	31	66	24	4.9	91	9	3.6	19.3	96	34	65	24	5.7	95
Sales	10	3.2	18.4	96	31	61	23	4.7	92	9	3.3	19.4	94	32	61	24	5.7	90	11	3.4	18.7	97	30	63	23	5.1	91
Culls	13	3.2	19.1	94	30	59	23	4.6	86	13	3.1	18.5	97	30	59	22	4.0	87	11	3.0	18.4	97	30	60	23	3.9	84
CEP POLL 707115	35	3.5	18.4	104	31	58	24	5.8	102	35	3.5	18.4	104	31	58	24	5.8	102	35	3.5	18.4	104	31	58	25	5.8	102
Tops	2	3.8	19.0	110	29	61	24	5.0	100	2	3.3	18.4	110	30	66	25	7.0	101	3	3.9	19.1	103	35	59	24	6.3	105
Seconds	9	3.4	18.4	108	30	64	25	6.8	100	10	3.5	18.3	110	29	61	25	6.0	104	9	3.7	18.5	106	33	59	25	4.9	103
Sales	12	3.6	18.6	104	32	59	24	5.7	103	12	3.5	18.3	100	30	58	24	5.8	102	10	3.7	18.4	107	30	57	25	6.2	105
Culls	12	3.5	18.2	101	30	52	23	5.4	102	11	3.5	18.7	102	33	53	23	5.5	99	13	3.2	18.3	102	29	57	24	6.1	98
CHARINGA DOC	24	4.2	18.8	96	37	61	24	4.8	105	24	4.2	18.8	96	37	61	24	4.8	105	24	4.2	18.8	96	37	61	25	4.8	105
Tops	2	4.2	18.3	96	31	68	26	4.0	98	3	4.4	18.3	100	38	66	24	4.3	108	3	4.9	19.2	86	36	69	25	3.3	106
Seconds	6	4.0	18.8	99	39	61	24	6.0	108	5	4.1	18.5	95	35	61	24	6.2	106	7	4.2	18.9	102	38	61	25	5.3	109
Sales	7	4.2	19.4	98	37	60	24	4.9	105	10	4.1	18.5	95	37	62	24	4.9	107	7	4.2	18.4	96	34	62	26	4.3	105
Culls	9	4.3	18.4	93	36	62	23	4.2	105	6	4.2	19.8	98	38	59	24	3.8	99	7	3.9	18.9	96	38	59	24	5.6	100
G.RASS R15	30	4.0	18.8	96	37	58	24	4.5	96	30	4.0	18.8	96	37	58	24	4.5	96	29	4.0	18.8	96	37	58	24	4.5	96
Tops	3	4.7	18.3	97	39	62	24	4.0	102	3	4.9	19.0	98	38	64	25	3.0	98	3	5.0	19.3	100	42	63	25	3.7	109
Seconds	9	3.9	18.3	97	37	60	24	4.4	97	10	4.0	18.4	98	39	59	24	4.8	100	8	4.2	18.7	98	39	58	24	3.8	96
Sales	9	4.2	19.0	98	39	57	23	4.9	100	7	4.2	18.8	99	39	56	23	4.1	101	10	4.1	18.8	96	39	57	24	4.5	99
Culls	9	3.6	19.4	91	35	56	23	4.2	88	10	3.6	19.2	90	34	57	23	4.8	88	8	3.3	18.6	91	32	57	24	5.3	87
GLEN 120014	31	4.4	19.3	97	31	57	21	3.9	84	31	4.4	19.3	97	31	57	21	3.9	84	31	4.4	19.3	97	31	57	22	3.9	84
Tops	3	4.7	19.6	106	32	65	22	2.7	81	3	5.3	20.7	104	31	60	21	5.0	87	3	5.1	19.5	104	30	62	22	4.7	91
Seconds	8	4.4	19.4	100	31	61	21	3.1	83	8	4.4	18.9	100	30	61	22	3.4	85	8	4.3	19.8	98	32	61	22	3.0	74
Sales	10	4.4	19.3	96	29	57	21	5.2	87	9	4.2	19.2	95	32	58	21	4.1	83	10	4.4	19.2	98	32	55	21	3.8	87
Culls	10	4.2	19.2	95	31	52	20	3.5	82	11	4.2	19.4	95	30	53	21	3.7	83	10	4.3	19.1	95	28	55	21	4.4	85
GUL 14189	29	4.1	19.0	104	34	57	22	4.8	102	29	4.1	19.0	104	34	57	22	4.8	102	29	4.1	19.0	104	34	57	23	4.8	102
Tops	1	4.0	18.6	110	31	63	21	5.0	109	1	4.5	20.1	114	32	57	22	5.0	106	3	4.6	19.0	103	35	64	25	4.7	108
Seconds	8	4.1	18.7	105	35	60	23	4.9	103	8	4.2	18.5	104	35	60	23	4.3	106	7	4.1	18.6	105	33	58	23	4.0	102
Sales	9	3.9	19.4	104	36	56	22	4.9	97	11	4.2	19.1	105	34	57	22	5.3	101	9	4.1	19.0	103	35	57	23	5.1	101
Culls	11	4.3	19.1	102	32	55	21	4.5	104	9	3.9	19.3	101	34	54	21	4.6	98	10	4.0	19.4	104	35	54	22	5.0	101

Sire	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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+
HADRIG 2715	32	4.4	19.7	99	36	55	22	5.4	109	32	4.4	19.7	99	36	55	22	5.4	109	32	4.4	19.7	99	36	55	23	5.4	109
Tops	3	4.8	19.2	98	37	60	23	5.7	115	3	4.3	19.7	99	36	63	23	5.7	106	3	4.7	19.7	101	36	59	24	4.7	102
Seconds	7	4.5	19.8	100	37	59	23	5.7	106	9	4.5	19.7	100	38	56	22	6.0	111	8	4.7	19.5	102	36	55	24	5.9	116
Sales	10	4.2	19.8	100	36	55	22	5.7	111	9	4.4	20.1	99	37	57	22	5.9	111	10	4.3	19.8	97	35	57	23	5.5	111
Culls	12	4.3	19.7	97	34	53	21	4.8	109	11	4.3	19.4	97	33	53	22	4.4	108	11	4.2	19.8	97	36	53	23	5.1	106
HAZ HUGH	30	3.8	17.6	92	35	54	22	5.5	114	31	3.8	17.6	92	35	54	22	5.5	114	30	3.8	17.6	92	35	54	24	5.5	114
Tops	2	3.8	17.1	90	41	68	23	6.5	115	2	3.3	16.2	91	42	62	23	3.5	116	3	4.4	17.4	97	41	62	23	4.0	125
Seconds	9	3.5	17.2	93	33	57	23	5.2	109	10	3.7	17.2	94	34	59	22	5.8	113	7	3.9	17.7	92	32	53	24	5.1	108
Sales	8	4.0	18.2	95	37	52	21	5.6	115	9	3.6	17.5	93	32	52	22	6.0	113	10	3.9	17.9	92	36	54	24	6.2	118
Culls	11	3.9	17.7	89	34	51	21	5.4	116	10	4.0	18.3	89	36	51	21	5.3	115	10	3.4	17.3	91	33	52	24	5.8	110
KP 160137	20	4.4	19.5	107	37	63	22	4.5	106	20	4.4	19.5	107	37	63	22	4.5	106	20	4.4	19.5	107	37	63	24	4.5	106
Tops	2	5.3	18.2	105	37	72	23	2.5	115	2	4.7	19.8	102	35	69	21	3.5	103	3	4.7	18.6	107	36	69	24	3.3	108
Seconds	5	4.6	19.0	108	35	67	23	4.8	108	4	5.1	19.4	113	35	62	23	5.3	114	4	4.9	19.8	105	38	66	24	4.0	108
Sales	7	4.2	19.8	107	38	61	22	4.7	105	6	4.5	19.0	107	38	68	22	3.7	107	5	3.9	19.5	106	39	61	25	4.8	103
Culls	6	4.2	20.0	106	40	59	21	4.7	102	8	3.9	19.9	104	39	58	22	5.0	102	8	4.3	19.7	108	37	61	23	5.0	106
LANG 160950	20	4.1	18.9	99	39	60	21	3.8	97	20	4.1	18.9	99	39	60	21	3.8	97	20	4.1	18.9	99	39	60	24	3.8	97
Tops	3	3.9	17.9	105	36	67	23	6.0	105	3	3.4	18.2	100	33	67	23	6.3	92	3	4.6	19.0	102	42	60	24	3.7	103
Seconds	4	4.0	19.2	103	37	60	21	4.5	95	3	4.2	18.4	104	36	65	22	3.0	98	4	4.0	18.2	97	35	63	23	4.0	96
Sales	6	4.0	19.1	100	40	59	21	3.2	92	8	3.9	18.8	100	40	59	21	3.4	95	7	4.0	18.9	101	39	59	23	4.4	97
Culls	7	4.3	19.0	94	39	57	21	3.0	99	6	4.5	19.6	95	41	55	21	3.5	102	6	3.9	19.3	96	38	59	23	3.0	94
LEWISDALE MONTY	28	4.5	20.5	97	39	61	23	3.9	95	28	4.5	20.5	97	39	61	23	3.9	95	28	4.5	20.5	97	39	61	21	3.9	95
Tops	2	4.2	19.1	101	38	69	26	5.5	94	3	4.6	19.5	104	38	69	25	3.7	98	3	5.0	19.4	100	37	63	21	4.7	111
Seconds	8	4.5	19.9	98	37	66	25	4.0	97	7	4.4	19.9	99	37	61	24	4.1	99	7	4.2	19.8	97	37	63	22	4.3	93
Sales	7	4.7	20.4	97	38	61	22	3.9	96	7	4.2	20.9	95	40	63	24	3.7	90	9	4.7	20.7	99	39	61	21	3.3	96
Culls	11	4.5	21.2	96	41	55	22	3.6	94	11	4.7	20.8	96	39	57	22	4.0	96	9	4.4	21.1	95	40	57	21	4.0	91
OC TROJAN	29	4.0	18.4	97	32	64	23	4.8	98	29	4.0	18.4	97	32	64	23	4.8	98	29	4.0	18.4	97	32	64	22	4.8	98
Tops	2	3.7	18.1	104	30	74	24	5.0	89	3	3.9	18.0	104	33	70	25	4.3	96	3	4.1	18.5	100	30	67	24	5.3	99
Seconds	8	4.2	18.2	100	33	66	24	4.6	101	6	4.3	18.1	98	31	66	23	4.7	98	7	3.9	18.5	100	34	66	22	4.7	95
Sales	9	4.2	18.2	97	32	64	23	5.0	96	9	4.1	18.7	96	34	66	24	5.8	99	9	4.3	18.6	95	35	62	22	4.7	101
Culls	10	3.8	18.8	93	32	60	24	4.6	98	11	3.9	18.5	95	31	59	23	4.1	97	10	3.9	18.2	95	29	62	21	4.7	97

Sire	Post Weaning Class Average LT Performance /A5 MP+ Index by Grade									Hogget Class Average LT Performance /A5 MP+ Index by Grade									Adult 5 Class Average LT Performance /A5 MP+ Index by Grade								
	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+
RP 150039	27	3.8	18.8	98	34	60	25	5.0	103	27	3.8	18.8	98	34	60	25	5.0	103	27	3.8	18.8	98	34	60	22	5.0	103
Tops	3	3.9	18.9	107	40	67	27	4.7	102	2	3.4	16.8	107	31	64	26	6.0	107	3	3.9	18.6	103	37	67	22	4.0	100
Seconds	5	3.6	18.0	102	34	61	26	4.8	102	5	3.7	18.5	100	34	65	26	5.2	102	6	3.7	19.3	99	34	61	22	5.0	97
Sales	9	3.8	19.0	97	35	59	25	5.0	102	8	3.9	19.6	95	38	59	25	5.0	99	9	3.8	19.0	96	32	59	23	5.1	106
Culls	10	3.7	19.1	94	33	59	24	5.2	105	12	3.8	18.8	97	32	59	25	4.8	105	9	3.7	18.4	98	35	59	21	5.2	105
STOCKMAN 130707	28	3.7	17.9	94	37	62	23	4.1	98	29	3.7	17.9	94	37	62	23	4.1	98	29	3.7	17.9	94	37	62	22	4.1	98
Tops	3	4.5	18.3	102	36	63	22	3.0	102	3	3.2	16.9	94	36	67	25	3.3	90	3	4.6	18.6	103	35	63	21	4.0	99
Seconds	9	3.7	18.1	96	39	66	24	3.4	95	7	3.9	18.2	101	39	64	24	3.0	97	7	3.8	17.7	93	38	64	22	4.0	100
Sales	7	3.4	17.8	94	38	61	24	3.6	93	9	3.5	17.7	90	38	62	24	4.4	99	9	3.6	18.1	96	38	62	22	3.0	94
Culls	9	3.6	17.6	89	36	58	22	5.4	104	10	3.8	18.1	93	35	58	22	4.7	101	10	3.4	17.6	89	37	60	22	5.1	101
WANG 150610	30	4.4	18.9	103	35	61	23	3.7	95	30	4.4	18.9	103	35	61	23	3.7	95	30	4.4	18.9	103	35	61	22	3.7	95
Tops	3	5.0	19.6	114	41	64	22	3.7	103	3	4.8	19.2	110	38	68	23	3.0	98	3	5.0	18.8	105	36	66	23	2.3	106
Seconds	9	4.6	18.6	101	34	63	23	4.2	98	10	4.5	18.7	103	34	64	23	4.1	98	8	4.7	19.7	106	40	63	22	3.3	94
Sales	9	4.1	19.3	105	33	63	24	3.0	83	9	4.4	18.9	101	35	58	23	4.0	97	10	4.4	19.2	104	34	59	21	3.6	93
Culls	9	4.3	18.7	98	35	57	23	3.8	103	8	4.1	19.1	101	34	58	23	3.0	90	9	4.0	18.0	97	31	60	22	4.6	96
WILLAN 160001	24	4.2	19.0	93	35	58	24	5.0	109	24	4.2	19.0	93	35	58	24	5.0	109	24	4.2	19.0	93	35	58	21	5.0	109
Tops	2	4.5	19.1	91	36	58	24	6.0	104										3	4.5	19.7	94	38	59	21	5.3	115
Seconds	8	4.6	18.9	98	35	61	24	6.0	119	10	4.0	18.2	94	34	60	24	5.8	109	6	4.5	18.4	95	35	61	22	5.5	114
Sales	5	3.5	18.9	92	35	58	23	5.2	101	5	4.1	19.5	92	38	59	24	4.8	109	7	4.1	18.8	90	35	55	22	4.7	110
Culls	9	4.3	19.2	90	36	55	23	3.8	105	9	4.6	19.8	93	35	55	22	4.2	108	8	4.1	19.5	94	35	57	21	4.8	102
Grand Total	451	4.0	18.9	98	35	59	23	4.7	100	453	4.0	18.9	98	35	59	23	4.7	100	451	4.0	18.9	98	35	59	23	4.7	100

Chris Bowman Change in Grade between Stages (and the % that stay the same between stages)

P to A	Top	Sec	Sal	Cul	T	%	P to A5	Top	Sec	Sal	Cul	T	%	H to A5	Top	Sec	Sal	Cul	T	%
ANDER 150266	3	9	9	13	34		ANDER 150266	3	9	11	11	34		ANDER 150266	3	9	11	11	34	
Tops	1			2	3		Tops		1	2		3		Tops		1	1	1	3	
Seconds	2	5	1		8		Seconds	1	3	2	2	8		Seconds	1	3	3	2	9	
Sales		3	2	5	10		Sales	1	3	3	3	10		Sales	1	4	3	1	9	
Culls		1	6	6	13	41%	Culls	1	2	4	6	13	35%	Culls	1	1	4	7	13	38%
CEP POLL 707115	2	10	12	11	35		CEP POLL 707115	3	9	10	13	35		CEP POLL 707115	3	9	10	13	35	
Tops		2			2		Tops			2		2		Tops				2	2	
Seconds	2	4	2	1	9		Seconds		2	2	5	9		Seconds	1	3	4	2	10	
Sales		3	6	3	12		Sales	2	4	4	2	12		Sales		4	3	5	12	
Culls		1	4	7	12	49%	Culls	1	3	2	6	12	34%	Culls	2	2	3	4	11	29%
CHARINGA DOC	3	5	10	6	24		CHARINGA DOC	3	7	7	7	24		CHARINGA DOC	3	7	7	7	24	
Tops	1	1			2		Tops			2		2		Tops		2	1		3	
Seconds	2	2	2		6		Seconds		3		3	6		Seconds			2	3	5	
Sales		1	3	3	7		Sales		1	4	2	7		Sales	1	4	2	3	10	
Culls		1	5	3	9	38%	Culls	3	3	1	2	9	38%	Culls	2	1	2	1	6	13%
G.RASS R15	3	10	7	10	30		G.RASS R15	3	8	10	8	29		G.RASS R15	3	8	10	8	29	
Tops	2	1			3		Tops	1	1	1		3		Tops	1	1	1		3	
Seconds	1	5	2	1	9		Seconds		4	2	3	9		Seconds		3	5	2	10	
Sales		2	3	4	9		Sales	1	1	4	2	8		Sales	1	2	3		6	
Culls		2	2	5	9	50%	Culls	1	2	3	3	9	41%	Culls	1	2	1	6	10	45%
GLEN 120014	3	8	9	11	31		GLEN 120014	3	8	10	10	31		GLEN 120014	3	8	10	10	31	
Tops	1	2			3		Tops	1	1	1		3		Tops	1		1	1	3	
Seconds	1	3	4		8		Seconds	1	2	4	1	8		Seconds	2	3	3		8	
Sales	1	3	2	4	10		Sales	1	3	1	5	10		Sales		2	3	4	9	
Culls			3	7	10	42%	Culls		2	4	4	10	26%	Culls		3	3	5	11	39%
GUL 14189	1	8	11	9	29		GUL 14189	3	7	9	10	29		GUL 14189	3	7	9	10	29	
Tops			1		1		Tops				1	1		Tops		1			1	
Seconds	1	4	2	1	8		Seconds	2	4	1	1	8		Seconds	2	2	3	1	8	
Sales		1	5	3	9		Sales	1	1	5	2	9		Sales	1	3	3	4	11	
Culls		3	3	5	11	48%	Culls		2	3	6	11	52%	Culls		1	3	5	9	34%

P to A	Top	Sec	Sal	Cul	T	%	P to A5	Top	Sec	Sal	Cul	T	%	H to A5	Top	Sec	Sal	Cul	T	%
HADRIG 2715	3	9	9	11	32		HADRIG 2715	3	8	10	11	32		HADRIG 2715	3	8	10	11	32	
Tops	1	1	1		3		Tops	1		1	1	3		Tops	2		1		3	
Seconds	1	3	2	1	7		Seconds	1	3	3		7		Seconds		5	1	3	9	
Sales		3	5	2	10		Sales	1	4	1	4	10		Sales	1	2	3	3	9	
Culls	1	2	1	8	12	53%	Culls		1	5	6	12	34%	Culls		1	5	5	11	47%
HAZ HUGH	2	9	9	10	30		HAZ HUGH	3	7	9	10	29		HAZ HUGH	3	7	10	10	30	
Tops		2			2		Tops	1		1		2		Tops	1				1	
Seconds	2	3	4		9		Seconds	1	2	2	3	8		Seconds	2	2	4	2	10	
Sales		2	3	3	8		Sales	1	3	2	2	8		Sales		3	2	4	9	
Culls		2	2	7	11	43%	Culls		2	4	5	11	34%	Culls		2	4	4	10	30%
KP 160137	2	4	6	8	20		KP 160137	3	4	5	8	20		KP 160137	3	4	5	8	20	
Tops			2		2		Tops	1			1	2		Tops		2			2	
Seconds	1	2	1	1	5		Seconds	2	2		1	5		Seconds	1	1		2	4	
Sales		2	2	3	7		Sales		1	2	4	7		Sales	2	1	1	2	6	
Culls	1		1	4	6	40%	Culls		1	3	2	6	35%	Culls			4	4	8	30%
LANG 160950	3	3	8	6	20		LANG 160950	3	4	7	6	20		LANG 160950	3	4	7	6	20	
Tops	2	1			3		Tops		1	2		3		Tops		2	1		3	
Seconds	1	1	2		4		Seconds	2	1	1		4		Seconds	1		1	1	3	
Sales			5	1	6		Sales		1	3	2	6		Sales	2	1	3	2	8	
Culls		1	1	5	7	65%	Culls	1	1	1	4	7	40%	Culls		1	2	3	6	30%
LEWISDALE MONTY	3	7	7	11	28		LEWISDALE MONTY	3	7	9	9	28		LEWISDALE MONTY	3	7	9	9	28	
Tops	2				2		Tops		1	1		2		Tops		1	2		3	
Seconds	1	3	3	1	8		Seconds	1	3	2	2	8		Seconds	1	4	1	1	7	
Sales		1	2	4	7		Sales	2	2	1	2	7		Sales		2	2	3	7	
Culls		3	2	6	11	46%	Culls		1	5	5	11	32%	Culls	2		4	5	11	39%
OC TROJAN	3	6	9	11	29		OC TROJAN	3	7	9	10	29		OC TROJAN	3	7	9	10	29	
Tops	1	1			2		Tops		1		1	2		Tops		1		2	3	
Seconds	2	2	2	2	8		Seconds	1	5		2	8		Seconds	1	2	2	1	6	
Sales		3	3	3	9		Sales	2	1	4	2	9		Sales		3	4	2	9	
Culls			4	6	10	41%	Culls			5	5	10	48%	Culls	2	1	3	5	11	38%

P to A	Top	Sec	Sal	Cul	T	%	P to A5	Top	Sec	Sal	Cul	T	%	H to A5	Top	Sec	Sal	Cul	T	%	
RP 150039	2	5	8	12	27		RP 150039	3	6	9	9	27		RP 150039	3	6	9	9	27		
Tops	1	2			3		Tops	2			1	3		Tops					2	2	
Seconds	1	1	2	1	5		Seconds		3	1	1	5		Seconds	2	2			1	5	
Sales		2	3	4	9		Sales		2	1	6	9		Sales		3	2	3	3	8	
Culls			3	7	10	44%	Culls	1	1	7	1	10	26%	Culls	1	1	7	3	12	26%	
STOCKMAN 130707	3	7	9	9	28		STOCKMAN 130707	3	7	8	10	28		STOCKMAN 130707	3	7	9	10	29		
Tops		2		1	3		Tops	2	1			3		Tops			2	1	3		
Seconds	1	5	3		9		Seconds	1	3	3	2	9		Seconds	2	2	1	2	7		
Sales	2		3	2	7		Sales		2	3	2	7		Sales		4	2	3	9		
Culls			3	6	9	50%	Culls		1	2	6	9	50%	Culls	1	1	4	4	10	28%	
WANG 150610	3	10	9	8	30		WANG 150610	3	8	10	9	30		WANG 150610	3	8	10	9	30		
Tops	2	1			3		Tops		2	1		3		Tops		3			3		
Seconds		7	2		9		Seconds	2	1	2	4	9		Seconds	3		4	3	10		
Sales	1	2	3	3	9		Sales	1	3	4	1	9		Sales		3	4	2	9		
Culls			4	5	9	57%	Culls		2	3	4	9	30%	Culls		2	2	4	8	27%	
WILLAN 160001	0	10	5	9	24		WILLAN 160001	3	6	7	8	24		WILLAN 160001	3	6	7	8	24		
Tops		1		1	2		Tops		1		1	2		Tops					0		
Seconds		4	2	2	8		Seconds	2	3	2	1	8		Seconds	1	4	3	2	10		
Sales		3	1	1	5		Sales		1	2	2	5		Sales	2	1	2		5		
Culls		2	2	5	9	42%	Culls	1	1	3	4	9	38%	Culls		1	2	6	9	50%	
Total	39	120	137	155	451		Total	48	112	140	149	449		Total	48	112	142	149	451		

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.

Macquarie 2018 Drop – AMSEA Grade – Greg Sawyer 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 – Post Weaning

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top/Flock	312	4.1	18.9	99	35	60	3.6	23	4.7	99
Cull	141	3.9	18.7	96	35	57	3.3	23	4.6	101
Total	453	4.0	18.9	98	35	59	3.5	23	4.7	100

Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top/Flock	312	2.84	2.76	2.27	1.14	3.34	1.30	2.29	3.11	2.36	1.14
Cull	141	2.92	2.84	2.40	1.44	3.39	1.37	2.41	3.15	2.33	1.22
Total/Ave	453	2.87	2.79	2.31	1.24	3.35	1.32	2.33	3.12	2.35	1.16

AMSEA Class – Hogget

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top/Flock	338	4.1	19.0	99	35	61	3.7	23	4.7	100
Cull	115	3.9	18.6	96	33	55	3.2	22	4.6	100
Total	453	4.0	18.9	98	35	59	3.5	23	4.7	100

Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top/Flock	338	2.88	2.77	2.29	1.24	3.35	1.31	2.25	3.11	2.33	1.14
Cull	115	2.83	2.85	2.37	1.23	3.36	1.35	2.57	3.17	2.41	1.23
Total/Ave	453	2.87	2.79	2.31	1.24	3.35	1.32	2.33	3.12	2.35	1.16

Macquarie 2018 Drop – Professional Class – Chris Bowman 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 – Post Weaning

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top Stud Second	250	4.1	18.9	100	35	62	3.8	23	4.8	100
Sale	142	3.9	19.0	97	34	58	3.5	23	4.7	100
Cull	59	3.8	18.6	93	34	54	2.9	22	4.3	100
Total	451	4.0	18.9	98	35	59	3.5	23	4.7	100

Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top Stud Second	250	2.86	2.75	2.28	1.25	3.33	1.31	2.31	3.13	2.34	1.14
Sale	142	2.87	2.83	2.34	1.24	3.39	1.29	2.33	3.08	2.35	1.17
Cull	59	2.91	2.86	2.37	1.18	3.35	1.41	2.36	3.19	2.35	1.25
Total/Ave	451	2.87	2.79	2.31	1.24	3.35	1.32	2.33	3.12	2.35	1.16

Prof Class – Hogget

Grade	Count	CFW	FD	SL	SS	WT	FAT	EMD	WR	MP+
Top Stud Second	298	4.2	18.9	100	35	61	3.6	23	4.7	100
Sale	96	3.8	18.8	96	34	57	3.6	23	4.8	100
Cull	59	3.7	18.7	93	34	54	3.1	22	4.3	98
Total	453	4.0	18.9	98	35	59	3.5	23	4.7	100

Grade	Count	Bdwr	Char	Col	Flrot	Dust	Back	Legs	Face	Spig	Jaw
Top Stud Second	298	2.90	2.75	2.29	1.27	3.35	1.30	2.32	3.11	2.40	1.12
Sale	96	2.82	2.84	2.31	1.17	3.37	1.37	2.32	3.13	2.08	1.23
Cull	59	2.78	2.91	2.40	1.18	3.37	1.34	2.37	3.21	2.50	1.25
Total/Ave	453	2.87	2.79	2.31	1.24	3.35	1.32	2.33	3.12	2.35	1.16