

# Macquarie 2017 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.

#### 2017 Drop Key Assessments and Dates

The Macquarie 2017 drop ewes are the daughters of 15 industry sires, which were 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 from each ewe type.

Like much of eastern Australia, Trangie experienced exceptionally dry seasonal conditions throughout 2018 and 2019. 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 2017             |           |                   |                           |
| Post Weaning Assessment | February 2018        | P         | Dry               | 9 months, 9 months wool   |
| Hogget Assessment       | October 2018         | H         | Dry               | 17 months, 8 months wool  |
| <i>First Joining</i>    | <i>December 2018</i> |           |                   |                           |
| Adult 2 Assessment      | October 2019         | A2        | Post lambs weaned | 2.5 years, 12 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                 | October 2022         | A5        | Post lambs weaned | 5.0 years, 6 months wool  |
| Adult 6                 | October 2023         | A6        | Post lambs weaned | 6.5 years, 11 months      |

As per MLP protocol, the 2017 drop ewes were classed annually at each assessment for seven years using two classing approaches – the AMSEA class (undertaken by Allan Casey), and the Professional class (undertaken by Chris Bowman). The AMSEA Grade and Professional Classer Grade used the site's nominated breeding objective to guide classing.

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 was conducted three times at the Macquarie site: Post Weaning, Hogget, and Adult 6 (when ewes were 6.5 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 most closely related to the breeding objective is the MP+ index; none of the standard indexes fully meet the site's breeding objective.

## Classing Methodology

### Professional Class Process – Chris Bowman

- Drop randomly presented, no measured performance is provided, animals classed to the 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 – Allan Casey

- 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 seven times and joined five 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 7 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 5 pre-joining records (kg))
- **WR** = raw number of lambs weaned (for ewes that were joined 5 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 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 |
|--------------------|--------------------------------------|-------------------|
| 601250-2007-707115 | Centre Plus Poll, 707115             | CEP POLL 707115   |
| 600105-2013-130545 | Collinsville Poll, 130545 (Apollo)   | COLL 130545       |
| 503655-2013-130941 | Darriwell, 130941 (Buddha)           | DARR 130941       |
| 503884-2012-122190 | GRASS, 122190 (P47)                  | G.RASS P47        |
| 601414-2012-120018 | GullenGamble Poll, 120018            | GUL 120018        |
| 500383-2013-004936 | Hazeldean, 13.4936                   | HAZ 13.4936       |
| 601413-2015-151911 | Kerin Poll, 151911                   | KER POLL 151911   |
| 504637-2012-120652 | Moojepin, 120652                     | MOOJ 120652       |
| 500063-2015-151367 | Mumblebone, 151367                   | MUMBLE 151367     |
| 504166-2013-132933 | Roseville Park, 132933               | RP 132933         |
| 609251-2014-140477 | Trigger Vale Poll, 140477            | TV POLL 140477    |
| 500083-2013-130816 | Wanganella, 130816                   | WANG 130816       |
| 601236-2011-110004 | West Plains Poll, 110004 (Mercenary) | WES POLL 110004   |
| 503764-2012-121224 | Wilgunya, 121224                     | WILGUN 121224     |
| 600610-2014-140030 | Willandra Poll, 140030 (Des)         | WILLAN 140030     |

#### 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 2017 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.

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.

An appended report (page 31) 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 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:**

- 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
- Feet issues impacted the AMSEA class in the last classing
- Grain feeding resulted in foot issues (foot paring took place three times on the 2017 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, although third is better
- AMSEA – at the second assessment prior to first lamb

**Classers are selecting for:**

- Professional – selecting for CFW, SL, SS, WT, some pressure on FD as animals get older, better wool colour, lower dust and attention on feet/legs with age
- AMSEA – selecting for CFW, WT, SL, SS, some emphasis on EMD, focus on selecting for good feet/legs

**Impact of ewe's reproduction status on classing:**

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

**Change over time:**

- Professional – approx 50% repeatability between classings
- AMSEA – approx 50% 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"> <li>• 42% Stay in the same grade</li> <li>• 95% Stay in the same grade, or change by one grade</li> <li>• 5% of animals change by two grades</li> </ul> | <p>Professional Class – Post Weaning to Hogget – Five Way Grade</p> <ul style="list-style-type: none"> <li>• 42% Stay in the same grade</li> <li>• 83% Stay in the same grade, or change by one grade</li> <li>• 17% of animals change by two grades</li> </ul> |
| <p>AMSEA Class – Hogget to Adult 2 – Three Way Grade</p> <ul style="list-style-type: none"> <li>• 55% Stay in the same grade</li> <li>• 98% Stay in the same grade, or change by one grade</li> <li>• 2% of animals change by two grades</li> </ul>      | <p>Professional Class – Hogget to Adult 2 – Five Way Grade</p> <ul style="list-style-type: none"> <li>• 49% Stay in the same grade</li> <li>• 89% Stay in the same grade, or change by one grade</li> <li>• 11% of animals change by two grades</li> </ul>      |

## Professional Classer Grade Results

Macquarie 2017 Drop – Professional Class – Chris Bowman Measured LIFETIME Performance by Grade (Drop Level) – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A6 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          | 4.8                               | 19.9        | 103        | 44        | 65        | 3.6        | 24        | 5.2        | 104        | 115  | 0.4         | 2.5        | -0.7       | 104       | -0.3       | -0.6       | 92         | 4.3        |
| Stud                      | 20         | 4.3                               | 19.4        | 103        | 45        | 67        | 3.8        | 26        | 5.8        | 96         | 102  | -0.1        | 2.7        | -0.1       | 106       | -0.1       | 1.1        | 101        | -4.1       |
| Seconds                   | 175        | 4.3                               | 19.7        | 101        | 46        | 63        | 4.0        | 25        | 5.6        | 100        | 103  | 0.3         | 0.3        | 0.9        | 101       | 0.1        | 0.1        | 98         | 0.1        |
| Sale                      | 92         | 4.0                               | 19.1        | 100        | 44        | 63        | 4.0        | 24        | 6.0        | 102        | 96   | -0.3        | 0.0        | -0.9       | 101       | 0.1        | -0.1       | 105        | 1.7        |
| Cull                      | 43         | 3.9                               | 19.0        | 98         | 43        | 58        | 3.6        | 24        | 5.4        | 97         | 92   | -0.4        | -2.6       | -1.7       | 93        | -0.4       | -0.8       | 95         | -2.7       |
| <b>Total/Ave</b>          | <b>335</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i> |            |                                   |             |            |           |           |            |           |            |            | <i>23</i>  | <i>0.9</i>  | <i>5.1</i> | <i>1.0</i> | <i>11</i> | <i>0.1</i> | <i>0.1</i> | <i>-4</i>  | <i>7</i>   |

| <i>Age: 9m Wool: 9m</i>   |            | Raw Data – Average Lifetime Performance – Visual Scores |            |             |             |             |             |             |            |            |             |             |
|---------------------------|------------|---|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|
| Post Weaning Grade        | Count      | Dag   | Bdwr       | Char        | Col         | Flrot       | Dust        | Back        | Legs       | Face       | Spig        | Jaw         |
| Top                       | 5          | 1.2   | 2.8        | 2.5         | 1.9         | 1.0         | 3.4         | 1.3         | 3.1        | 3.1        | 2.2         | 1.1         |
| Stud                      | 20         | 1.4   | 2.7        | 2.8         | 2.4         | 1.2         | 3.8         | 1.5         | 2.4        | 3.1        | 2.1         | 1.0         |
| Seconds                   | 175        | 1.4   | 2.6        | 2.9         | 2.3         | 1.1         | 3.7         | 1.5         | 2.5        | 3.1        | 2.1         | 1.2         |
| Sale                      | 92         | 1.4   | 2.6        | 2.8         | 2.4         | 1.1         | 4.0         | 1.5         | 2.4        | 2.9        | 2.1         | 1.2         |
| Cull                      | 43         | 1.5   | 2.6        | 2.7         | 2.3         | 1.1         | 4.0         | 1.6         | 2.6        | 2.9        | 2.3         | 1.3         |
| <b>Total/Ave</b>          | <b>335</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b>  | <b>2.3</b>  | <b>1.1</b>  | <b>3.8</b>  | <b>1.5</b>  | <b>2.5</b> | <b>3.0</b> | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i> |            | <i>-0.3</i>   | <i>0.2</i> | <i>-0.2</i> | <i>-0.5</i> | <i>-0.1</i> | <i>-0.6</i> | <i>-0.2</i> | <i>0.5</i> | <i>0.2</i> | <i>-0.1</i> | <i>-0.2</i> |

| <i>Age: 17m Wool: 8m</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                       | 3          | 5.4                               | 20.8        | 105        | 53        | 67        | 3.3        | 23        | 6.3        | 112        | 128  | 1.3         | 4.9        | 8.6        | 107       | -0.7        | -1.6        | 112        | 12.3       |
| Stud                      | 50         | 4.6                               | 19.4        | 101        | 44        | 68        | 4.1        | 25        | 5.6        | 104        | 110  | -0.1        | 0.3        | -0.4       | 108       | 0.2         | 0.3         | 98         | 4.5        |
| Seconds                   | 161        | 4.3                               | 19.4        | 101        | 45        | 63        | 4.0        | 24        | 5.7        | 102        | 102  | -0.1        | 0.6        | 0.4        | 101       | 0.0         | 0.0         | 100        | 2.0        |
| Sale                      | 63         | 3.9                               | 19.6        | 101        | 45        | 63        | 4.3        | 25        | 5.7        | 94         | 92   | 0.1         | 0.7        | -0.3       | 99        | 0.3         | 0.5         | 100        | -5.8       |
| Cull                      | 57         | 3.9                               | 19.5        | 97         | 44        | 57        | 3.5        | 24        | 5.6        | 96         | 94   | 0.1         | -3.0       | -0.9       | 91        | -0.5        | -0.8        | 99         | -4.0       |
| <b>Total/Ave</b>          | <b>334</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b>  | <b>24</b>   | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i> |            |                                   |             |            |           |           |            |           |            |            | <i>35</i>  | <i>1.3</i>  | <i>8.0</i> | <i>9.5</i> | <i>16</i> | <i>-0.2</i> | <i>-0.8</i> | <i>12</i>  | <i>16</i>  |

| <i>Age: 17m Wool: 8m</i>  |            | Raw Data – Average Lifetime Performance – Visual Scores |            |            |            |            |            |            |            |            |            |            |
|---------------------------|------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Hogget Grade              | Count      | Dag   | Bdwr       | Char       | Col        | Flrot      | Dust       | Back       | Legs       | Face       | Spig       | Jaw        |
| Top                       | 3          | 1.0   | 3.6        | 3.1        | 2.0        | 1.0        | 3.4        | 1.7        | 2.7        | 2.9        | 2.0        | 1.0        |
| Stud                      | 50         | 1.5   | 2.7        | 2.7        | 2.2        | 1.1        | 3.8        | 1.4        | 2.4        | 3.1        | 2.0        | 1.2        |
| Seconds                   | 161        | 1.4   | 2.6        | 2.8        | 2.2        | 1.1        | 3.7        | 1.5        | 2.5        | 3.0        | 2.1        | 1.2        |
| Sale                      | 63         | 1.3   | 2.4        | 2.9        | 2.5        | 1.2        | 4.0        | 1.4        | 2.4        | 2.9        | 2.1        | 1.1        |
| Cull                      | 57         | 1.4   | 2.7        | 2.9        | 2.5        | 1.1        | 4.0        | 1.5        | 2.6        | 3.1        | 2.4        | 1.3        |
| <b>Total/Ave</b>          | <b>334</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b> | <b>2.3</b> | <b>1.1</b> | <b>3.8</b> | <b>1.5</b> | <b>2.5</b> | <b>3.0</b> | <b>2.1</b> | <b>1.2</b> |
| <i>Diff Top to Bottom</i> |            | -0.4  | 1.0        | 0.2        | -0.4       | -0.1       | -0.6       | -0.8       | 0.1        | -0.2       | -0.4       | -0.3       |

| <i>Age: 2.4y 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                        | 3          | 4.9                               | 19.1        | 103        | 53        | 73        | 3.2        | 26        | 5.7        | 122        | 116        | -0.4   | 3.0        | 7.8       | 117       | -0.7       | 1.5       | 100        | 21.7       |  |  |
| Stud                       | 25         | 4.7                               | 18.9        | 101        | 46        | 67        | 4.0        | 24        | 4.8        | 108        | 113        | -0.5   | 0.9        | 1.5       | 106       | 0.1        | 0.0       | 84         | 7.8        |  |  |
| Seconds                    | 194        | 4.3                               | 19.5        | 101        | 45        | 64        | 4.0        | 24        | 5.7        | 102        | 104        | 0.1  | 0.2        | 0.6       | 101       | 0.0        | -0.1      | 100        | 1.9        |  |  |
| Sale                       | 70         | 3.8                               | 19.5        | 100        | 43        | 61        | 4.2        | 25        | 5.8        | 93         | 90         | 0.1  | -0.2       | -1.4      | 98        | 0.3        | 0.7       | 103        | -7.1       |  |  |
| Cull                       | 42         | 3.8                               | 19.3        | 99         | 43        | 59        | 3.6        | 24        | 6.0        | 97         | 91         | -0.2   | -1.4       | -1.8      | 93        | -0.4       | -0.7      | 105        | -2.8       |  |  |
| <b>Total/Ave</b>           | <b>334</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b> | <b>19.4</b>                                      | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |  |  |
| <i>Diff Top to Bottom</i>  |            | 25                                | -0.2        | 4.4        | 9.6       | 23        | -0.3       | 2.3       | -5         | 24         |            |  |            |           |           |            |           |            |            |  |  |

| <i>Age: 2.4y Wool: 12m</i> |            | Raw Data – Average Lifetime Performance – Visual Scores |            |            |            |            |            |            |            |            |            |            |
|----------------------------|------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Adult 2 Grade              | Count      | Dag   | Bdwr       | Char       | Col        | Flrot      | Dust       | Back       | Legs       | Face       | Spig       | Jaw        |
| Top                        | 3          | 1.0   | 2.8        | 2.4        | 2.0        | 1.1        | 3.5        | 1.3        | 1.8        | 2.8        | 1.7        | 1.0        |
| Stud                       | 25         | 1.4   | 2.8        | 2.6        | 2.0        | 1.1        | 3.5        | 1.4        | 2.4        | 3.1        | 2.2        | 1.1        |
| Seconds                    | 194        | 1.4   | 2.7        | 2.8        | 2.3        | 1.1        | 3.7        | 1.5        | 2.5        | 3.0        | 2.1        | 1.2        |
| Sale                       | 70         | 1.3   | 2.4        | 3.0        | 2.4        | 1.1        | 4.0        | 1.4        | 2.4        | 3.0        | 2.1        | 1.2        |
| Cull                       | 42         | 1.5   | 2.4        | 2.7        | 2.4        | 1.1        | 4.0        | 1.4        | 2.7        | 3.0        | 2.4        | 1.2        |
| <b>Total/Ave</b>           | <b>334</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b> | <b>2.3</b> | <b>1.1</b> | <b>3.8</b> | <b>1.5</b> | <b>2.5</b> | <b>3.0</b> | <b>2.1</b> | <b>1.2</b> |
| <i>Diff Top to Bottom</i>  |            | -0.5  | 0.4        | -0.3       | -0.5       | -0.1       | -0.5       | 0.0        | -0.9       | -0.2       | -0.8       | -0.2       |

| <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                        | 4          | 5.0                               | 20.3        | 105        | 43        | 67        | 3.5        | 24        | 5.3        | 92         | 120  | 0.9         | 4.2        | -1.4       | 107       | -0.5        | -0.1        | 92         | -7.5       |
| Stud                       | 37         | 4.8                               | 19.6        | 102        | 47        | 66        | 3.7        | 24        | 5.6        | 108        | 115  | 0.1         | 1.7        | 2.0        | 105       | -0.2        | -0.4        | 99         | 8.2        |
| Seconds                    | 194        | 4.3                               | 19.4        | 100        | 45        | 63        | 3.9        | 24        | 5.9        | 101        | 102  | 0.0         | -0.1       | 0.5        | 100       | -0.1        | 0.0         | 103        | 1.5        |
| Sale                       | 63         | 3.7                               | 19.5        | 100        | 43        | 61        | 4.2        | 25        | 5.8        | 94         | 88   | 0.0         | -0.5       | -1.7       | 97        | 0.2         | 0.1         | 101        | -6.4       |
| Cull                       | 37         | 3.9                               | 19.2        | 100        | 43        | 62        | 4.2        | 25        | 4.6        | 96         | 92   | -0.3        | -0.6       | -1.4       | 98        | 0.2         | 0.4         | 81         | -4.4       |
| <b>Total/Ave</b>           | <b>335</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b>  | <b>24</b>   | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |            |                                   |             |            |           |           |            |           |            |            | <i>27</i>  | <i>1.1</i>  | <i>4.7</i> | <i>0.1</i> | <i>9</i>  | <i>-0.7</i> | <i>-0.5</i> | <i>12</i>  | <i>-3</i>  |

| <i>Age: 3.5y Wool: 12m</i> |            | Raw Data – Average Lifetime Performance – Visual Scores |            |             |             |             |             |             |            |            |            |             |
|----------------------------|------------|---|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|
| Adult 3 Grade              | Count      | Dag   | Bdwr       | Char        | Col         | Flrot       | Dust        | Back        | Legs       | Face       | Spig       | Jaw         |
| Top                        | 4          | 1.3   | 2.6        | 2.7         | 1.9         | 1.0         | 3.4         | 1.3         | 2.6        | 3.2        | 2.3        | 1.1         |
| Stud                       | 37         | 1.5   | 2.8        | 2.9         | 2.3         | 1.2         | 3.6         | 1.5         | 2.1        | 3.1        | 1.9        | 1.2         |
| Seconds                    | 194        | 1.4   | 2.6        | 2.8         | 2.3         | 1.1         | 3.7         | 1.5         | 2.5        | 3.0        | 2.1        | 1.2         |
| Sale                       | 63         | 1.4   | 2.5        | 2.8         | 2.4         | 1.1         | 4.1         | 1.4         | 2.6        | 3.0        | 2.2        | 1.2         |
| Cull                       | 37         | 1.5   | 2.5        | 2.9         | 2.5         | 1.1         | 4.0         | 1.5         | 2.5        | 3.0        | 2.3        | 1.3         |
| <b>Total/Ave</b>           | <b>335</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b>  | <b>2.3</b>  | <b>1.1</b>  | <b>3.8</b>  | <b>1.5</b>  | <b>2.5</b> | <b>3.0</b> | <b>2.1</b> | <b>1.2</b>  |
| <i>Diff Top to Bottom</i>  |            | <i>-0.2</i>   | <i>0.2</i> | <i>-0.2</i> | <i>-0.6</i> | <i>-0.1</i> | <i>-0.6</i> | <i>-0.3</i> | <i>0.0</i> | <i>0.2</i> | <i>0.0</i> | <i>-0.1</i> |

| <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                        | 5          | 5.0                               | 19.2        | 103        | 50        | 74        | 4.1        | 25        | 7.0        | 120        | 118  | -0.2        | 3.0        | 4.8        | 117       | 0.2        | 0.7        | 123        | 19.7       |
| Stud                       | 32         | 4.7                               | 19.5        | 102        | 45        | 66        | 4.0        | 24        | 5.2        | 103        | 112  | 0.0         | 1.4        | 0.2        | 105       | 0.1        | -0.4       | 91         | 3.5        |
| Seconds                    | 179        | 4.3                               | 19.5        | 100        | 46        | 63        | 4.0        | 24        | 5.8        | 102        | 102  | 0.0         | -0.1       | 0.8        | 101       | 0.0        | 0.0        | 103        | 1.7        |
| Sale                       | 68         | 3.9                               | 19.6        | 99         | 43        | 61        | 3.8        | 25        | 5.8        | 96         | 93   | 0.1         | -1.0       | -1.6       | 97        | -0.2       | 0.1        | 103        | -4.1       |
| Cull                       | 51         | 3.9                               | 19.1        | 101        | 44        | 61        | 4.0        | 25        | 5.1        | 95         | 94   | -0.3        | 0.5        | -1.0       | 97        | 0.1        | 0.1        | 89         | -4.6       |
| <b>Total/Ave</b>           | <b>335</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |            |                                   |             |            |           |           |            |           |            |            | <i>25</i>  | <i>0.1</i>  | <i>2.5</i> | <i>5.9</i> | <i>20</i> | <i>0.1</i> | <i>0.6</i> | <i>34</i>  | <i>24</i>  |

| <i>Age: 4.5y Wool: 12m</i> |            | Raw Data – Average Lifetime Performance – Visual Scores |            |             |             |            |             |             |             |             |             |             |
|----------------------------|------------|---|------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Adult 4 Grade              | Count      | Dag   | Bdwr       | Char        | Col         | Flrot      | Dust        | Back        | Legs        | Face        | Spig        | Jaw         |
| Top                        | 5          | 1.0   | 2.9        | 2.7         | 2.1         | 1.1        | 3.7         | 1.3         | 1.8         | 2.9         | 2.0         | 1.1         |
| Stud                       | 32         | 1.5   | 2.7        | 2.7         | 2.1         | 1.1        | 3.5         | 1.4         | 2.3         | 3.1         | 2.0         | 1.1         |
| Seconds                    | 179        | 1.4   | 2.6        | 2.8         | 2.3         | 1.1        | 3.8         | 1.5         | 2.4         | 3.0         | 2.1         | 1.2         |
| Sale                       | 68         | 1.3   | 2.6        | 2.9         | 2.4         | 1.2        | 3.9         | 1.4         | 2.8         | 3.0         | 2.3         | 1.1         |
| Cull                       | 51         | 1.6   | 2.4        | 2.8         | 2.5         | 1.1        | 4.0         | 1.5         | 2.5         | 3.0         | 2.2         | 1.4         |
| <b>Total/Ave</b>           | <b>335</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b>  | <b>2.3</b>  | <b>1.1</b> | <b>3.7</b>  | <b>1.5</b>  | <b>2.5</b>  | <b>3.0</b>  | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i>  |            | <i>-0.6</i>   | <i>0.5</i> | <i>-0.1</i> | <i>-0.3</i> | <i>0.0</i> | <i>-0.4</i> | <i>-0.3</i> | <i>-0.7</i> | <i>-0.1</i> | <i>-0.2</i> | <i>-0.3</i> |

| <i>Age: 5.6y Wool: 13m</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                        | 9          | 4.8                               | 18.9        | 104        | 46         | 71        | 3.7         | 25          | 6.3        | 111        | 114  | -0.6        | 3.2        | 1.0       | 113       | -0.3       | 0.2       | 112        | 11.0       |
| Stud                       | 21         | 4.7                               | 19.6        | 100        | 48         | 65        | 4.0         | 24          | 4.9        | 108        | 111  | 0.2         | -0.3       | 2.8       | 104       | 0.0        | -0.1      | 86         | 8.1        |
| Seconds                    | 191        | 4.3                               | 19.4        | 100        | 45         | 63        | 3.9         | 24          | 5.9        | 102        | 102  | 0.0         | -0.5       | 0.5       | 100       | -0.1       | -0.2      | 104        | 2.1        |
| Sale                       | 58         | 3.9                               | 19.7        | 101        | 43         | 61        | 4.0         | 25          | 6.1        | 95         | 94   | 0.3         | 1.1        | -1.5      | 96        | 0.1        | 0.1       | 107        | -5.4       |
| Cull                       | 55         | 3.9                               | 19.2        | 100        | 43         | 63        | 4.2         | 25          | 4.7        | 93         | 93   | -0.2        | 0.0        | -1.4      | 100       | 0.3        | 0.5       | 82         | -7.2       |
| <b>Total/Ave</b>           | <b>334</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b>  | <b>24</b>   | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |            | <i>21</i>                         | <i>-0.3</i> | <i>3.2</i> | <i>2.5</i> | <i>13</i> | <i>-0.5</i> | <i>-0.2</i> | <i>30</i>  | <i>18</i>  |  |             |            |           |           |            |           |            |            |

| <i>Age: 5.6y Wool: 13m</i> |            | Raw Data – Average Lifetime Performance – Visual Scores |            |             |             |            |             |             |             |            |             |             |
|----------------------------|------------|---|------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|
| Adult 5 Grade              | Count      | Dag   | Bdwr       | Char        | Col         | Flrot      | Dust        | Back        | Legs        | Face       | Spig        | Jaw         |
| Top                        | 9          | 1.0   | 2.9        | 2.5         | 2.0         | 1.1        | 3.5         | 1.3         | 2.0         | 3.0        | 2.0         | 1.1         |
| Stud                       | 21         | 1.4   | 2.7        | 2.8         | 2.3         | 1.1        | 3.5         | 1.5         | 2.4         | 3.0        | 2.0         | 1.1         |
| Seconds                    | 191        | 1.4   | 2.7        | 2.8         | 2.3         | 1.1        | 3.8         | 1.5         | 2.4         | 3.0        | 2.1         | 1.2         |
| Sale                       | 58         | 1.3   | 2.4        | 2.9         | 2.5         | 1.2        | 4.0         | 1.5         | 2.5         | 3.0        | 2.2         | 1.1         |
| Cull                       | 55         | 1.5   | 2.5        | 2.8         | 2.4         | 1.1        | 4.0         | 1.5         | 2.9         | 3.0        | 2.1         | 1.3         |
| <b>Total/Ave</b>           | <b>334</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b>  | <b>2.3</b>  | <b>1.1</b> | <b>3.8</b>  | <b>1.5</b>  | <b>2.5</b>  | <b>3.0</b> | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i>  |            | <i>-0.5</i>   | <i>0.4</i> | <i>-0.3</i> | <i>-0.4</i> | <i>0.0</i> | <i>-0.5</i> | <i>-0.1</i> | <i>-0.8</i> | <i>0.0</i> | <i>-0.1</i> | <i>-0.2</i> |

| <i>Age: 6.5y Wool: 11m</i> | Raw Data - Average LT Performance |            |             |            |           |           |            |           |            |            | Raw Data - Deviation from Average LT Performance |             |            |            |           |             |             |            |            |
|----------------------------|-----------------------------------|------------|-------------|------------|-----------|-----------|------------|-----------|------------|------------|--|-------------|------------|------------|-----------|-------------|-------------|------------|------------|
| Adult 6 Grade              | Count                             | CFW        | FD          | SL         | SS        | WT        | FAT        | EMD       | WR         | MP+        | CFW%   | FDD         | SLD        | SSD        | WT%       | FATD        | EMDD        | WR%        | MP+D       |
| <b>Top</b>                 | 5                                 | 5.0        | 18.9        | 104        | 48        | 66        | 3.7        | 24        | 6.4        | 114        | 120  | -0.5        | 3.6        | 3.2        | 105       | -0.3        | 0.0         | 113        | 13.9       |
| <b>Stud</b>                | 31                                | 4.6        | 19.2        | 100        | 47        | 66        | 3.7        | 24        | 6.5        | 111        | 110  | -0.2        | -0.5       | 2.2        | 105       | -0.2        | -0.4        | 115        | 11.1       |
| <b>Seconds</b>             | 183                               | 4.2        | 19.6        | 100        | 45        | 63        | 3.8        | 24        | 6.0        | 102        | 101  | 0.1         | -0.3       | 0.5        | 99        | -0.1        | -0.2        | 106        | 1.7        |
| <b>Sale</b>                | 70                                | 4.0        | 19.6        | 101        | 43        | 62        | 4.3        | 25        | 5.1        | 93         | 95   | 0.1         | 0.4        | -1.6       | 98        | 0.3         | 0.2         | 89         | -7.0       |
| <b>Cull</b>                | 46                                | 3.9        | 18.9        | 101        | 43        | 64        | 4.3        | 25        | 4.7        | 95         | 93   | -0.5        | 0.6        | -1.6       | 101       | 0.3         | 0.6         | 82         | -5.1       |
| <b>Total/Ave</b>           | <b>335</b>                        | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b>  | <b>24</b>   | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |                                   |            |             |            |           |           |            |           |            |            | <i>26</i>  | <i>0.0</i>  | <i>3.0</i> | <i>4.8</i> | <i>4</i>  | <i>-0.6</i> | <i>-0.6</i> | <i>30</i>  | <i>19</i>  |

| <i>Age: 6.5y Wool: 11m</i> | Raw Data – Average Lifetime Performance – Visual Scores |            |            |             |             |            |             |             |             |            |             |             |  |
|----------------------------|---|------------|------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|--|
| Adult 6 Grade              | Count   | Dag        | Bdwr       | Char        | Col         | Flrot      | Dust        | Back        | Legs        | Face       | Spig        | Jaw         |  |
| <b>Top</b>                 | 5   | 1.8        | 2.8        | 2.3         | 2.1         | 1.2        | 3.6         | 1.5         | 2.2         | 3.0        | 2.0         | 1.0         |  |
| <b>Stud</b>                | 31  | 1.0        | 2.7        | 2.6         | 2.2         | 1.1        | 3.6         | 1.6         | 2.4         | 3.0        | 2.0         | 1.1         |  |
| <b>Seconds</b>             | 183   | 1.5        | 2.7        | 2.9         | 2.3         | 1.1        | 3.8         | 1.4         | 2.4         | 3.0        | 2.1         | 1.1         |  |
| <b>Sale</b>                | 70  | 1.3        | 2.4        | 2.9         | 2.5         | 1.1        | 3.9         | 1.5         | 2.5         | 3.0        | 2.2         | 1.1         |  |
| <b>Cull</b>                | 46  | 1.5        | 2.5        | 2.6         | 2.4         | 1.1        | 3.9         | 1.6         | 2.9         | 3.0        | 2.2         | 1.4         |  |
| <b>Total/Ave</b>           | <b>335</b>  | <b>1.4</b> | <b>2.6</b> | <b>2.8</b>  | <b>2.3</b>  | <b>1.1</b> | <b>3.8</b>  | <b>1.5</b>  | <b>2.5</b>  | <b>3.0</b> | <b>2.1</b>  | <b>1.2</b>  |  |
| <i>Diff Top to Bottom</i>  |   | <i>0.3</i> | <i>0.3</i> | <i>-0.3</i> | <i>-0.3</i> | <i>0.0</i> | <i>-0.3</i> | <i>-0.1</i> | <i>-0.7</i> | <i>0.1</i> | <i>-0.2</i> | <i>-0.4</i> |  |

Macquarie 2017 Drop – Professional Grade Change Between Grade & Next Grade – Bowman

|                     | Grade        | Hogget  |          |           |            |           |           |
|---------------------|--------------|---------|----------|-----------|------------|-----------|-----------|
|                     |              | Top     | Stud     | 2nd       | Sale       | Cull      | Total     |
| Post Weaning        | Top          | 1       | 2        | 1         | 1          |           | 5         |
|                     | Stud         | 1       | 6        | 7         | 6          |           | 20        |
|                     | 2nd          | 1       | 29       | 95        | 28         | 22        | 175       |
|                     | Sale         |         | 12       | 46        | 18         | 16        | 92        |
|                     | Cull         |         | 1        | 12        | 10         | 19        | 42        |
|                     | <b>Total</b> |         | <b>3</b> | <b>50</b> | <b>161</b> | <b>63</b> | <b>57</b> |
| 42% stayed the same |              |         |          |           |            |           |           |
|                     | Grade        | Adult 2 |          |           |            |           |           |
|                     |              | Top     | Stud     | 2nd       | Sale       | Cull      | Total     |
| Hogget              | Top          | 1       | 1        | 1         |            |           | 3         |
|                     | Stud         | 1       | 11       | 35        | 3          |           | 50        |
|                     | 2nd          | 1       | 13       | 107       | 23         | 16        | 160       |
|                     | Sale         |         |          | 36        | 23         | 4         | 63        |
|                     | Cull         |         |          | 14        | 21         | 22        | 57        |
|                     | <b>Total</b> |         | <b>3</b> | <b>25</b> | <b>193</b> | <b>70</b> | <b>42</b> |
| 49% stayed the same |              |         |          |           |            |           |           |
|                     | Grade        | Adult 3 |          |           |            |           |           |
|                     |              | Top     | Stud     | 2nd       | Sale       | Cull      | Total     |
| Adult 2             | Top          |         | 3        |           |            |           | 3         |
|                     | Stud         | 3       | 9        | 12        |            | 1         | 25        |
|                     | 2nd          | 1       | 22       | 131       | 30         | 10        | 194       |
|                     | Sale         |         | 2        | 36        | 20         | 12        | 70        |
|                     | Cull         |         | 1        | 15        | 12         | 14        | 42        |
|                     | <b>Total</b> |         | <b>4</b> | <b>37</b> | <b>194</b> | <b>62</b> | <b>37</b> |
| 52% stayed the same |              |         |          |           |            |           |           |
|                     | Grade        | Adult 4 |          |           |            |           |           |
|                     |              | Top     | Stud     | 2nd       | Sale       | Cull      | Total     |
| Adult 3             | Top          |         | 4        |           |            |           | 4         |
|                     | Stud         | 3       | 11       | 18        | 1          | 4         | 37        |
|                     | 2nd          | 2       | 15       | 123       | 39         | 15        | 194       |
|                     | Sale         |         | 1        | 29        | 22         | 11        | 63        |
|                     | Cull         |         | 1        | 9         | 6          | 21        | 37        |
|                     | <b>Total</b> |         | <b>5</b> | <b>32</b> | <b>179</b> | <b>68</b> | <b>51</b> |
| 53% stayed the same |              |         |          |           |            |           |           |
|                     | Grade        | Adult 5 |          |           |            |           |           |
|                     |              | Top     | Stud     | 2nd       | Sale       | Cull      | Total     |
| Adult 4             | Top          | 3       |          | 2         |            |           | 5         |
|                     | Stud         | 3       | 7        | 21        | 1          |           | 32        |
|                     | 2nd          | 3       | 14       | 117       | 26         | 19        | 179       |
|                     | Sale         |         |          | 34        | 21         | 13        | 68        |
|                     | Cull         |         |          | 17        | 10         | 23        | 50        |
|                     | <b>Total</b> |         | <b>9</b> | <b>21</b> | <b>191</b> | <b>58</b> | <b>55</b> |
| 51% stayed the same |              |         |          |           |            |           |           |

|                     | Grade        | Adult 6 |          |           |            |           |           |
|---------------------|--------------|---------|----------|-----------|------------|-----------|-----------|
|                     |              | Top     | Stud     | 2nd       | Sale       | Cull      | Total     |
| Adult 5             | Top          | 1       | 5        | 3         |            |           | 9         |
|                     | Stud         | 2       | 3        | 12        | 4          |           | 21        |
|                     | 2nd          | 2       | 21       | 127       | 28         | 13        | 191       |
|                     | Sale         |         | 1        | 26        | 23         | 8         | 58        |
|                     | Cull         |         | 1        | 14        | 15         | 25        | 55        |
|                     | <b>Total</b> |         | <b>5</b> | <b>31</b> | <b>182</b> | <b>70</b> | <b>46</b> |
| 54% stayed the same |              |         |          |           |            |           |           |

Macquarie 2017 Drop – Professional Grade Change Between Each Grade & Adult 6 Grade –Bowman

|                     | Grade        | Adult 6  |           |            |           |           |            |
|---------------------|--------------|----------|-----------|------------|-----------|-----------|------------|
|                     |              | Top      | Stud      | 2nd        | Sale      | Cull      | Total      |
| Post Weaning        | Top          |          | 2         | 1          | 1         | 1         | 5          |
|                     | Stud         | 2        | 4         | 9          | 4         | 1         | 20         |
|                     | 2nd          | 2        | 14        | 103        | 35        | 21        | 175        |
|                     | Sale         | 1        | 9         | 50         | 17        | 15        | 92         |
|                     | Cull         |          | 2         | 20         | 13        | 8         | 43         |
|                     | <b>Total</b> | <b>5</b> | <b>31</b> | <b>183</b> | <b>70</b> | <b>46</b> | <b>335</b> |
| 39% stayed the same |              |          |           |            |           |           |            |
|                     | Grade        | Adult 6  |           |            |           |           |            |
|                     |              | Top      | Stud      | 2nd        | Sale      | Cull      | Total      |
| Hogget              | Top          | 1        | 2         |            |           |           | 3          |
|                     | Stud         | 2        | 11        | 29         | 6         | 2         | 50         |
|                     | 2nd          | 2        | 15        | 97         | 24        | 23        | 161        |
|                     | Sale         |          | 3         | 31         | 19        | 10        | 63         |
|                     | Cull         |          |           | 26         | 20        | 11        | 57         |
|                     | <b>Total</b> | <b>5</b> | <b>31</b> | <b>183</b> | <b>69</b> | <b>46</b> | <b>334</b> |
| 42% stayed the same |              |          |           |            |           |           |            |
|                     | Grade        | Adult 6  |           |            |           |           |            |
|                     |              | Top      | Stud      | 2nd        | Sale      | Cull      | Total      |
| Adult 2             | Top          | 2        | 1         |            |           |           | 3          |
|                     | Stud         | 1        | 5         | 13         | 5         | 1         | 25         |
|                     | 2nd          | 2        | 20        | 113        | 35        | 24        | 194        |
|                     | Sale         |          | 4         | 36         | 19        | 11        | 70         |
|                     | Cull         |          | 1         | 20         | 11        | 10        | 42         |
|                     | <b>Total</b> | <b>5</b> | <b>31</b> | <b>182</b> | <b>70</b> | <b>46</b> | <b>334</b> |
| 45% stayed the same |              |          |           |            |           |           |            |
|                     | Grade        | Adult 6  |           |            |           |           |            |
|                     |              | Top      | Stud      | 2nd        | Sale      | Cull      | Total      |
| Adult 3             | Top          |          |           | 4          |           |           | 4          |
|                     | Stud         | 4        | 7         | 20         | 5         | 1         | 37         |
|                     | 2nd          | 1        | 24        | 119        | 36        | 14        | 194        |
|                     | Sale         |          |           | 33         | 19        | 11        | 63         |
|                     | Cull         |          |           | 7          | 10        | 20        | 37         |
|                     | <b>Total</b> | <b>5</b> | <b>31</b> | <b>183</b> | <b>70</b> | <b>46</b> | <b>335</b> |
| 49% stayed the same |              |          |           |            |           |           |            |
|                     | Grade        | Adult 6  |           |            |           |           |            |
|                     |              | Top      | Stud      | 2nd        | Sale      | Cull      | Total      |
| Adult 4             | Top          | 1        | 2         | 2          |           |           | 5          |
|                     | Stud         | 4        | 5         | 17         | 5         | 1         | 32         |
|                     | 2nd          |          | 23        | 111        | 29        | 16        | 179        |
|                     | Sale         |          | 1         | 36         | 19        | 12        | 68         |
|                     | Cull         |          |           | 17         | 17        | 17        | 51         |
|                     | <b>Total</b> | <b>5</b> | <b>31</b> | <b>183</b> | <b>70</b> | <b>46</b> | <b>335</b> |
| 46% stayed the same |              |          |           |            |           |           |            |

|                     | Grade        | Adult 6  |           |            |           |           |            |
|---------------------|--------------|----------|-----------|------------|-----------|-----------|------------|
|                     |              | Top      | Stud      | 2nd        | Sale      | Cull      | Total      |
| Adult 5             | Top          | 1        | 5         | 3          |           |           | 9          |
|                     | Stud         | 2        | 3         | 12         | 4         |           | 21         |
|                     | 2nd          | 2        | 21        | 127        | 28        | 13        | 191        |
|                     | Sale         |          | 1         | 26         | 23        | 8         | 58         |
|                     | Cull         |          | 1         | 14         | 15        | 25        | 55         |
|                     | <b>Total</b> | <b>5</b> | <b>31</b> | <b>182</b> | <b>70</b> | <b>46</b> | <b>334</b> |
| 54% stayed the same |              |          |           |            |           |           |            |

## AMSEA Classer Grade Results

Macquarie 2017 Drop – AMSEA Grade – Allan Casey Measured LIFETIME Performance by Grade (Drop Level) –Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A6 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                       | 106        | 4.4                               | 19.6        | 102        | 45        | 65        | 4.0        | 25        | 5.6        | 100        | 105  | 0.2         | 1.6        | 0.4        | 104       | 0.1        | 0.6        | 98         | 0.0        |
| Flock                     | 131        | 4.2                               | 19.5        | 100        | 45        | 63        | 4.0        | 24        | 5.8        | 100        | 101  | 0.1         | 0.0        | 0.2        | 100       | 0.0        | -0.1       | 102        | 0.3        |
| Cull                      | 98         | 3.9                               | 19.1        | 99         | 44        | 60        | 3.8        | 24        | 5.7        | 100        | 93   | -0.3        | -1.8       | -0.8       | 96        | -0.1       | -0.5       | 100        | -0.4       |
| <b>Total/Ave</b>          | <b>335</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i> |            |                                   |             |            |           |           |            |           |            |            | <i>11</i>  | <i>0.5</i>  | <i>3.4</i> | <i>1.2</i> | <i>8</i>  | <i>0.2</i> | <i>1.1</i> | <i>-2</i>  | <i>0</i>   |

| <i>Age: 9m Wool: 9m</i>   |            | Raw Data – Average Lifetime Performance – Visual Scores |            |            |             |            |             |            |             |            |             |             |
|---------------------------|------------|---|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------------|
| Post Weaning Grade        | Count      | Dag   | Bdwr       | Char       | Col         | Flrot      | Dust        | Back       | Legs        | Face       | Spig        | Jaw         |
| Top                       | 106        | 1.4   | 2.6        | 2.9        | 2.3         | 1.1        | 3.7         | 1.5        | 2.4         | 3.1        | 2.0         | 1.1         |
| Flock                     | 131        | 1.4   | 2.6        | 2.8        | 2.3         | 1.1        | 3.8         | 1.5        | 2.4         | 3.0        | 2.2         | 1.2         |
| Cull                      | 98         | 1.4   | 2.5        | 2.8        | 2.4         | 1.1        | 4.0         | 1.5        | 2.6         | 3.0        | 2.2         | 1.2         |
| <b>Total/Ave</b>          | <b>335</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b> | <b>2.3</b>  | <b>1.1</b> | <b>3.8</b>  | <b>1.5</b> | <b>2.5</b>  | <b>3.0</b> | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i> |            | <i>0.0</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: 8m</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                       | 63                                | 4.5        | 19.7        | 101        | 45        | 67        | 4.1        | 25        | 5.5        | 104        | 108  | 0.3         | 1.0        | 0.5        | 107       | 0.1        | 0.4        | 97         | 3.7        |
| Flock                     | 218                               | 4.1        | 19.4        | 100        | 45        | 63        | 4.0        | 24        | 5.8        | 100        | 99   | -0.1        | 0.1        | 0.0        | 100       | 0.1        | 0.0        | 103        | 0.2        |
| Cull                      | 54                                | 4.0        | 19.4        | 99         | 44        | 57        | 3.6        | 24        | 5.2        | 95         | 96   | -0.1        | -1.5       | -0.6       | 90        | -0.4       | -0.7       | 92         | -5.1       |
| <b>Total/Ave</b>          | <b>335</b>                        | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i> |                                   |            |             |            |           |           |            |           |            |            | <i>12</i>  | <i>0.4</i>  | <i>2.5</i> | <i>1.1</i> | <i>16</i> | <i>0.5</i> | <i>1.1</i> | <i>5</i>   | <i>9</i>   |

| <i>Age: 17m Wool: 8m</i>  | Raw Data – Average Lifetime Performance – Visual Scores |            |            |            |             |             |             |             |             |             |             |            |
|---------------------------|---|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| Hogget Grade              | Count   | Dag        | Bdwr       | Char       | Col         | Flrot       | Dust        | Back        | Legs        | Face        | Spig        | Jaw        |
| Top                       | 63  | 1.5        | 2.7        | 2.9        | 2.3         | 1.1         | 3.7         | 1.4         | 2.4         | 3.0         | 1.9         | 1.2        |
| Flock                     | 218   | 1.4        | 2.6        | 2.8        | 2.3         | 1.1         | 3.9         | 1.5         | 2.4         | 3.0         | 2.1         | 1.2        |
| Cull                      | 54  | 1.3        | 2.6        | 2.8        | 2.4         | 1.2         | 3.8         | 1.5         | 2.9         | 3.1         | 2.4         | 1.2        |
| <b>Total/Ave</b>          | <b>335</b>  | <b>1.4</b> | <b>2.6</b> | <b>2.8</b> | <b>2.3</b>  | <b>1.1</b>  | <b>3.8</b>  | <b>1.5</b>  | <b>2.5</b>  | <b>3.0</b>  | <b>2.1</b>  | <b>1.2</b> |
| <i>Diff Top to Bottom</i> |   | <i>0.1</i> | <i>0.2</i> | <i>0.1</i> | <i>-0.1</i> | <i>-0.1</i> | <i>-0.1</i> | <i>-0.1</i> | <i>-0.5</i> | <i>-0.1</i> | <i>-0.5</i> | <i>0.0</i> |

| <i>Age: 2.4y 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                        | 81                                | 4.5        | 19.7        | 100        | 47        | 67        | 4.2        | 25        | 5.0        | 103        | 107  | 0.2         | 0.0         | 1.8        | 106       | 0.2        | 0.3        | 88         | 3.4        |
| Flock                      | 177                               | 4.2        | 19.4        | 100        | 44        | 63        | 4.0        | 25        | 6.0        | 100        | 99   | 0.0         | -0.4        | -0.3       | 100       | 0.0        | 0.1        | 105        | -0.2       |
| Cull                       | 77                                | 4.0        | 19.3        | 101        | 44        | 59        | 3.7        | 24        | 5.7        | 97         | 95   | -0.2        | 0.9         | -1.1       | 94        | -0.2       | -0.4       | 100        | -3.1       |
| <b>Total/Ave</b>           | <b>335</b>                        | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b>  | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |                                   |            |             |            |           |           |            |           |            |            | <i>12</i>  | <i>0.4</i>  | <i>-0.9</i> | <i>2.9</i> | <i>12</i> | <i>0.4</i> | <i>0.7</i> | <i>-12</i> | <i>6</i>   |

| <i>Age: 2.4y Wool: 12m</i> | Raw Data – Average Lifetime Performance – Visual Scores |            |            |            |             |            |             |            |             |             |             |             |
|----------------------------|---|------------|------------|------------|-------------|------------|-------------|------------|-------------|-------------|-------------|-------------|
| Adult 2 Grade              | Count   | Dag        | Bdwr       | Char       | Col         | Flrot      | Dust        | Back       | Legs        | Face        | Spig        | Jaw         |
| Top                        | 81  | 1.4        | 2.7        | 2.9        | 2.3         | 1.1        | 3.6         | 1.5        | 2.2         | 3.0         | 2.1         | 1.1         |
| Flock                      | 177   | 1.4        | 2.6        | 2.8        | 2.3         | 1.1        | 3.8         | 1.4        | 2.4         | 3.0         | 2.1         | 1.2         |
| Cull                       | 77  | 1.4        | 2.6        | 2.9        | 2.4         | 1.2        | 3.9         | 1.5        | 2.8         | 3.1         | 2.3         | 1.3         |
| <b>Total/Ave</b>           | <b>335</b>  | <b>1.4</b> | <b>2.6</b> | <b>2.8</b> | <b>2.3</b>  | <b>1.1</b> | <b>3.8</b>  | <b>1.5</b> | <b>2.5</b>  | <b>3.0</b>  | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i>  |   | <i>0.0</i> | <i>0.1</i> | <i>0.1</i> | <i>-0.1</i> | <i>0.0</i> | <i>-0.3</i> | <i>0.1</i> | <i>-0.6</i> | <i>-0.1</i> | <i>-0.2</i> | <i>-0.2</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                        | 61                                | 4.7        | 20.2        | 102        | 48        | 66        | 4.0        | 25        | 5.3        | 104        | 112  | 0.7         | 1.3        | 2.7        | 104       | 0.1        | 0.2        | 93         | 4.0        |
| Flock                      | 191                               | 4.2        | 19.3        | 100        | 45        | 63        | 3.9        | 24        | 5.8        | 100        | 99   | -0.1        | -0.3       | -0.2       | 100       | 0.0        | 0.0        | 103        | 0.2        |
| Cull                       | 83                                | 3.9        | 19.1        | 100        | 43        | 61        | 3.9        | 24        | 5.6        | 97         | 92   | -0.3        | -0.4       | -1.6       | 97        | 0.0        | -0.1       | 99         | -3.3       |
| <b>Total/Ave</b>           | <b>335</b>                        | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |                                   |            |             |            |           |           |            |           |            |            | <i>20</i>  | <i>1.0</i>  | <i>1.7</i> | <i>4.3</i> | <i>7</i>  | <i>0.1</i> | <i>0.3</i> | <i>-6</i>  | <i>7</i>   |

| <i>Age: 3.5y Wool: 12m</i> | Raw Data – Average Lifetime Performance – Visual Scores |             |            |            |             |            |             |             |             |            |             |             |
|----------------------------|---|-------------|------------|------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|
| Adult 3 Grade              | Count   | Dag         | Bdwr       | Char       | Col         | Flrot      | Dust        | Back        | Legs        | Face       | Spig        | Jaw         |
| Top                        | 61  | 1.4         | 2.7        | 3.0        | 2.3         | 1.1        | 3.5         | 1.4         | 2.1         | 3.0        | 2.1         | 1.1         |
| Flock                      | 191   | 1.4         | 2.6        | 2.8        | 2.3         | 1.1        | 3.8         | 1.5         | 2.4         | 3.0        | 2.1         | 1.1         |
| Cull                       | 83  | 1.4         | 2.5        | 2.7        | 2.4         | 1.1        | 4.0         | 1.5         | 2.9         | 3.0        | 2.3         | 1.3         |
| <b>Total/Ave</b>           | <b>335</b>  | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b> | <b>2.3</b>  | <b>1.1</b> | <b>3.8</b>  | <b>1.5</b>  | <b>2.5</b>  | <b>3.0</b> | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i>  |   | <i>-0.1</i> | <i>0.2</i> | <i>0.4</i> | <i>-0.2</i> | <i>0.0</i> | <i>-0.5</i> | <i>-0.1</i> | <i>-0.9</i> | <i>0.0</i> | <i>-0.2</i> | <i>-0.3</i> |

| <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                        | 119                               | 4.6        | 19.9        | 101        | 47        | 66        | 4.0        | 25        | 5.2        | 103        | 109  | 0.4         | 0.8        | 2.3        | 104       | 0.0        | 0.1        | 92         | 3.1        |
| Flock                      | 140                               | 4.0        | 19.4        | 101        | 44        | 62        | 4.0        | 25        | 6.0        | 97         | 94   | -0.1        | 0.3        | -0.9       | 98        | 0.0        | 0.0        | 106        | -2.8       |
| Cull                       | 76                                | 4.0        | 18.9        | 98         | 43        | 61        | 3.9        | 24        | 5.7        | 100        | 96   | -0.5        | -1.9       | -2.0       | 97        | -0.1       | -0.2       | 100        | 0.4        |
| <b>Total/Ave</b>           | <b>335</b>                        | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b>  | <b>63</b> | <b>4.0</b> | <b>24</b>  | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |                                   |            |             |            |           |           |            |           |            |            | <i>13</i>  | <i>0.9</i>  | <i>2.8</i> | <i>4.3</i> | <i>7</i>  | <i>0.1</i> | <i>0.3</i> | <i>-8</i>  | <i>3</i>   |

| <i>Age: 4.5y Wool: 12m</i> | Raw Data – Average Lifetime Performance – Visual Scores |             |            |            |             |             |             |            |             |             |             |             |
|----------------------------|---|-------------|------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|
| Adult 4 Grade              | Count   | Dag         | Bdwr       | Char       | Col         | Flrot       | Dust        | Back       | Legs        | Face        | Spig        | Jaw         |
| Top                        | 119   | 1.4         | 2.7        | 3.0        | 2.2         | 1.1         | 3.6         | 1.5        | 2.2         | 3.0         | 2.1         | 1.1         |
| Flock                      | 140   | 1.4         | 2.5        | 2.8        | 2.4         | 1.1         | 3.9         | 1.4        | 2.3         | 3.0         | 2.1         | 1.2         |
| Cull                       | 76  | 1.5         | 2.6        | 2.7        | 2.3         | 1.2         | 3.9         | 1.5        | 3.3         | 3.1         | 2.3         | 1.3         |
| <b>Total/Ave</b>           | <b>335</b>  | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b> | <b>2.3</b>  | <b>1.1</b>  | <b>3.8</b>  | <b>1.5</b> | <b>2.5</b>  | <b>3.0</b>  | <b>2.1</b>  | <b>1.2</b>  |
| <i>Diff Top to Bottom</i>  |   | <i>-0.1</i> | <i>0.1</i> | <i>0.3</i> | <i>-0.1</i> | <i>-0.1</i> | <i>-0.4</i> | <i>0.0</i> | <i>-1.1</i> | <i>-0.1</i> | <i>-0.1</i> | <i>-0.2</i> |

| <i>Age: 5.6y Wool: 13m</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                        | 41         | 4.7                               | 19.7        | 102        | 47        | 68        | 4.3        | 25        | 5.1        | 103        | 111  | 0.3         | 1.3        | 2.3       | 108       | 0.3        | 0.5       | 91         | 3.4        |
| Flock                      | 202        | 4.2                               | 19.5        | 100        | 45        | 63        | 4.0        | 24        | 5.6        | 100        | 100  | 0.1         | -0.1       | 0.2       | 100       | 0.0        | 0.0       | 99         | -0.1       |
| Cull                       | 91         | 4.0                               | 19.2        | 100        | 43        | 61        | 3.8        | 24        | 6.0        | 98         | 95   | -0.3        | -0.4       | -1.5      | 97        | -0.1       | -0.2      | 105        | -1.7       |
| <b>Total/Ave</b>           | <b>334</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |            |                                   |             |            |           |           |            |           |            |            | 16   | 0.6         | 1.6        | 3.8       | 10        | 0.5        | 0.7       | -14        | 5          |

| <i>Age: 5.6y Wool: 13m</i> |            | Raw Data – Average Lifetime Performance – Visual Scores |            |            |            |            |            |            |            |            |            |            |
|----------------------------|------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Adult 5 Grade              | Count      | Dag   | Bdwr       | Char       | Col        | Flrot      | Dust       | Back       | Legs       | Face       | Spig       | Jaw        |
| Top                        | 41         | 1.4   | 2.8        | 3.0        | 2.1        | 1.0        | 3.5        | 1.4        | 2.2        | 3.0        | 2.2        | 1.1        |
| Flock                      | 202        | 1.3   | 2.6        | 2.8        | 2.3        | 1.1        | 3.8        | 1.5        | 2.3        | 3.0        | 2.2        | 1.2        |
| Cull                       | 91         | 1.5   | 2.6        | 2.8        | 2.4        | 1.2        | 3.9        | 1.5        | 3.1        | 3.0        | 2.1        | 1.3        |
| <b>Total/Ave</b>           | <b>334</b> | <b>1.4</b>  | <b>2.6</b> | <b>2.8</b> | <b>2.3</b> | <b>1.1</b> | <b>3.8</b> | <b>1.5</b> | <b>2.5</b> | <b>3.0</b> | <b>2.1</b> | <b>1.2</b> |
| <i>Diff Top to Bottom</i>  |            | -0.1  | 0.2        | 0.2        | -0.3       | -0.1       | -0.4       | -0.1       | -0.9       | -0.1       | 0.1        | -0.2       |

| <i>Age: 6.5y Wool: 11m</i> |            | Raw Data - Average LT Performance |             |            |           |           |            |           |            |            | Raw Data - Deviation from Average LT Performance |             |            |           |           |            |           |            |            |
|----------------------------|------------|-----------------------------------|-------------|------------|-----------|-----------|------------|-----------|------------|------------|--|-------------|------------|-----------|-----------|------------|-----------|------------|------------|
| Adult 6 Grade              | Count      | CFW                               | FD          | SL         | SS        | WT        | FAT        | EMD       | WR         | MP+        | CFW%   | FDD         | SLD        | SSD       | WT%       | FATD       | EMDD      | WR%        | MP+D       |
| Top                        | 106        | 4.5                               | 19.9        | 101        | 47        | 64        | 4.1        | 25        | 5.2        | 102        | 107  | 0.4         | 0.2        | 2.5       | 103       | 0.1        | 0.1       | 92         | 1.9        |
| Flock                      | 78         | 3.9                               | 19.1        | 101        | 43        | 61        | 3.9        | 24        | 6.0        | 97         | 92   | -0.3        | 0.3        | -1.8      | 97        | 0.0        | 0.0       | 106        | -3.1       |
| Cull                       | 148        | 4.2                               | 19.3        | 100        | 44        | 63        | 3.9        | 24        | 5.8        | 100        | 99   | -0.1        | -0.2       | -0.8      | 100       | 0.0        | -0.1      | 102        | 0.3        |
| <b>Total/Ave</b>           | <b>332</b> | <b>4.2</b>                        | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>4.2</b>                                       | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |
| <i>Diff Top to Bottom</i>  |            |                                   |             |            |           |           |            |           |            |            | 8  | 0.6         | 0.5        | 3.2       | 3         | 0.1        | 0.2       | -10        | 2          |

| <i>Age: 6.5y Wool: 11m</i> |            | Raw Data – Average Lifetime Performance – Visual Scores |            |            |            |            |            |            |            |            |            |            |
|----------------------------|------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Adult 6 Grade              | Count      | Dag   | Bdwr       | Char       | Col        | Flrot      | Dust       | Back       | Legs       | Face       | Spig       | Jaw        |
| Top                        | 106        | 1.4   | 2.7        | 2.9        | 2.3        | 1.1        | 3.7        | 1.4        | 2.0        | 3.0        | 2.1        | 1.1        |
| Flock                      | 78         | 1.4   | 2.5        | 2.7        | 2.3        | 1.1        | 4.0        | 1.5        | 2.2        | 3.0        | 2.2        | 1.1        |
| Cull                       | 148        | 1.4   | 2.6        | 2.8        | 2.3        | 1.1        | 3.8        | 1.5        | 3.0        | 3.1        | 2.1        | 1.2        |
| <b>Total/Ave</b>           | <b>332</b> | <b>1.4</b>  | <b>2.7</b> | <b>2.9</b> | <b>2.3</b> | <b>1.1</b> | <b>3.8</b> | <b>1.4</b> | <b>2.0</b> | <b>3.0</b> | <b>2.1</b> | <b>1.1</b> |
| <i>Diff Top to Bottom</i>  |            | 0.0   | 0.1        | 0.1        | -0.1       | -0.1       | -0.2       | -0.1       | -1.0       | -0.1       | 0.0        | -0.1       |

**Macquarie 2017 Drop – AMSEA Grade Change  
Over Time – Allan Casey**

|                     |       | Hogget |       |      |       |
|---------------------|-------|--------|-------|------|-------|
|                     |       | Top    | Flock | Cull | Total |
| Post Weaning        | Grade |        |       |      |       |
|                     | Top   | 29     | 68    | 9    | 106   |
|                     | Flock | 27     | 86    | 18   | 131   |
|                     | Cull  | 7      | 64    | 27   | 98    |
|                     | Total | 63     | 218   | 54   | 335   |
| 42% stayed the same |       |        |       |      |       |

|                     |       | Adult 2 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Hogget              | Grade |         |       |      |       |
|                     | Top   | 28      | 29    | 6    | 63    |
|                     | Flock | 51      | 126   | 41   | 218   |
|                     | Cull  | 2       | 22    | 30   | 54    |
|                     | Total | 81      | 177   | 77   | 335   |
| 55% stayed the same |       |         |       |      |       |

|                     |       | Adult 3 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 2             | Grade |         |       |      |       |
|                     | Top   | 24      | 48    | 9    | 81    |
|                     | Flock | 29      | 109   | 39   | 177   |
|                     | Cull  | 8       | 34    | 35   | 77    |
|                     | Total | 61      | 191   | 83   | 335   |
| 50% stayed the same |       |         |       |      |       |

|                     |       | Adult 4 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 3             | Grade |         |       |      |       |
|                     | Top   | 41      | 15    | 5    | 61    |
|                     | Flock | 67      | 96    | 28   | 191   |
|                     | Cull  | 11      | 29    | 43   | 83    |
|                     | Total | 119     | 140   | 76   | 335   |
| 54% stayed the same |       |         |       |      |       |

|                     |       | Adult 5 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 4             | Grade |         |       |      |       |
|                     | Top   | 30      | 77    | 11   | 118   |
|                     | Flock | 8       | 99    | 33   | 140   |
|                     | Cull  | 3       | 26    | 47   | 76    |
|                     | Total | 41      | 202   | 91   | 334   |
| 53% stayed the same |       |         |       |      |       |

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 5             | Grade |         |       |      |       |
|                     | Top   | 25      | 4     | 12   | 41    |
|                     | Flock | 73      | 58    | 69   | 200   |
|                     | Cull  | 8       | 16    | 66   | 90    |
|                     | Total | 106     | 78    | 147  | 331   |
| 45% stayed the same |       |         |       |      |       |

**Macquarie 2017 Drop – AMSEA Grade Change  
Between Each Grade & Adult 6 – Allan Casey**

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Post Weaning        | Grade |         |       |      |       |
|                     | Top   | 39      | 17    | 50   | 106   |
|                     | Flock | 49      | 28    | 52   | 129   |
|                     | Cull  | 18      | 33    | 46   | 97    |
|                     | Total | 106     | 78    | 148  | 332   |
| 34% stayed the same |       |         |       |      |       |

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Hogget              | Grade |         |       |      |       |
|                     | Top   | 27      | 7     | 29   | 63    |
|                     | Flock | 67      | 56    | 92   | 215   |
|                     | Cull  | 12      | 15    | 27   | 54    |
|                     | Total | 106     | 78    | 148  | 332   |
| 33% stayed the same |       |         |       |      |       |

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 2             | Grade |         |       |      |       |
|                     | Top   | 37      | 12    | 32   | 81    |
|                     | Flock | 60      | 46    | 69   | 175   |
|                     | Cull  | 9       | 20    | 47   | 76    |
|                     | Total | 106     | 78    | 148  | 332   |
| 39% stayed the same |       |         |       |      |       |

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 3             | Grade |         |       |      |       |
|                     | Top   | 32      | 7     | 22   | 61    |
|                     | Flock | 69      | 51    | 71   | 191   |
|                     | Cull  | 5       | 20    | 55   | 80    |
|                     | Total | 106     | 78    | 148  | 332   |
| 42% stayed the same |       |         |       |      |       |

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 4             | Grade |         |       |      |       |
|                     | Top   | 68      | 17    | 33   | 118   |
|                     | Flock | 34      | 50    | 54   | 138   |
|                     | Cull  | 4       | 11    | 61   | 76    |
|                     | Total | 106     | 78    | 148  | 332   |
| 54% stayed the same |       |         |       |      |       |

|                     |       | Adult 6 |       |      |       |
|---------------------|-------|---------|-------|------|-------|
|                     |       | Top     | Flock | Cull | Total |
| Adult 5             | Grade |         |       |      |       |
|                     | Top   | 25      | 4     | 12   | 41    |
|                     | Flock | 73      | 58    | 69   | 200   |
|                     | Cull  | 8       | 16    | 66   | 90    |
|                     | Total | 106     | 78    | 147  | 331   |
| 45% stayed the same |       |         |       |      |       |

# Wells Classer Trial

## Macquarie 2017 Drop – Wells Classer Trial – Bill Walker Measured LIFETIME Performance by Grade at P, H and A6 (Drop Level)

|                    | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>Tops</b>        | 35  | 4.3        | 19.4        | 103        | 44        | 66        | 25        | 5.8        | 98         | 34  | 4.1        | 18.6        | 103        | 43        | 68        | 25        | 5.7        | 104        | 45   | 4.4        | 19.0        | 103        | 46        | 67        | 25        | 5.0        | 103        |
| <b>Seconds</b>     | 75  | 4.3        | 19.3        | 102        | 45        | 64        | 25        | 5.7        | 101        | 76  | 4.1        | 19.1        | 101        | 44        | 65        | 25        | 5.8        | 99         | 67   | 4.2        | 19.4        | 101        | 45        | 64        | 25        | 5.5        | 99         |
| <b>Sales</b>       | 104   | 4.2        | 19.6        | 100        | 46        | 64        | 25        | 5.7        | 100        | 103   | 4.2        | 19.5        | 100        | 45        | 63        | 24        | 5.7        | 101        | 110  | 4.2        | 19.7        | 101        | 45        | 62        | 24        | 5.8        | 99         |
| <b>Culls</b>       | 119   | 4.1        | 19.4        | 99         | 44        | 60        | 24        | 5.6        | 100        | 118   | 4.2        | 19.9        | 99         | 46        | 60        | 24        | 5.6        | 99         | 113  | 4.1        | 19.4        | 98         | 44        | 61        | 24        | 5.9        | 100        |
| <b>Total / Ave</b> | <b>333</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>331</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>335</b>   | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

### Change in Grade over time

|              |              | Hogget    |           |            |            |            |
|--------------|--------------|-----------|-----------|------------|------------|------------|
| Post Weaning | Grade        | Top       | Seconds   | Sale       | Cull       | Total      |
|              | Top          | 9         | 16        | 8          | 2          | 35         |
|              | Seconds      | 11        | 26        | 21         | 17         | 75         |
|              | Sales        | 7         | 18        | 41         | 36         | 102        |
|              | Culls        | 7         | 16        | 32         | 62         | 117        |
|              | <b>Total</b> | <b>34</b> | <b>76</b> | <b>102</b> | <b>117</b> | <b>329</b> |

42% stayed the same

|        |              | Adult 6   |           |            |            |            |
|--------|--------------|-----------|-----------|------------|------------|------------|
| Hogget | Grade        | Top       | Seconds   | Sale       | Cull       | Total      |
|        | Top          | 12        | 7         | 7          | 8          | 34         |
|        | Seconds      | 13        | 23        | 18         | 22         | 76         |
|        | Sales        | 11        | 21        | 39         | 32         | 103        |
|        | Culls        | 8         | 14        | 45         | 51         | 118        |
|        | <b>Total</b> | <b>44</b> | <b>65</b> | <b>109</b> | <b>113</b> | <b>331</b> |

38% stayed the same

|              |              | Adult 6   |           |            |            |            |
|--------------|--------------|-----------|-----------|------------|------------|------------|
| Post Weaning | Grade        | Top       | Seconds   | Sale       | Cull       | Total      |
|              | Top          | 8         | 8         | 9          | 10         | 35         |
|              | Seconds      | 15        | 20        | 20         | 20         | 75         |
|              | Sales        | 12        | 25        | 30         | 37         | 104        |
|              | Culls        | 10        | 13        | 51         | 45         | 119        |
|              | <b>Total</b> | <b>45</b> | <b>66</b> | <b>110</b> | <b>112</b> | <b>333</b> |

31% stayed the same

**Yellow** = classed same grade

**Red** = classed one grade away

Macquarie 2017 Drop – Wells Classer Trial – Bill Walker Measured LIFETIME Performance by Grade at Post Weaning, Hogget and Adult 6 (By Sire)

| Sire                   | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |             |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>CEP POLL 707115</b> | <b>20</b>   | <b>3.7</b> | <b>18.8</b> | <b>102</b> | <b>42</b> | <b>61</b> | <b>25</b> | <b>6.3</b> | <b>92</b>  | <b>19</b>   | <b>3.7</b> | <b>18.8</b> | <b>102</b> | <b>42</b> | <b>61</b> | <b>25</b> | <b>6.25</b> | <b>92</b>  | <b>20</b>  | <b>3.7</b> | <b>18.8</b> | <b>102</b> | <b>42</b> | <b>61</b> | <b>25</b> | <b>6.3</b> | <b>92</b>  |
| Tops                   | 2   | 3.6        | 19.2        | 98         | 40        | 59        | 26        | 8.5        | 87         | 2   | 3.2        | 17.6        | 103        | 39        | 64        | 27        | 6.00        | 95         | 3  | 3.3        | 18.6        | 98         | 41        | 66        | 27        | 4.3        | 82         |
| Seconds                | 2   | 3.2        | 18.1        | 104        | 47        | 61        | 26        | 4.5        | 86         | 3   | 3.7        | 19.6        | 103        | 41        | 60        | 25        | 7.00        | 89         | 4  | 4.3        | 18.9        | 102        | 44        | 63        | 27        | 5.5        | 97         |
| Sales                  | 7   | 3.8        | 18.7        | 104        | 42        | 65        | 26        | 6.4        | 93         | 9   | 3.5        | 18.7        | 101        | 41        | 62        | 25        | 6.67        | 92         | 6  | 4.0        | 19.5        | 104        | 45        | 57        | 24        | 6.7        | 96         |
| Culls                  | 9   | 3.7        | 19.0        | 100        | 42        | 59        | 25        | 6.0        | 94         | 5   | 3.8        | 18.9        | 103        | 46        | 60        | 24        | 5.80        | 91         | 7  | 3.3        | 18.3        | 102        | 40        | 62        | 25        | 7.1        | 90         |
| <b>COLL 130545</b>     | <b>16</b>   | <b>4.5</b> | <b>20.2</b> | <b>99</b>  | <b>47</b> | <b>60</b> | <b>24</b> | <b>5.9</b> | <b>108</b> | <b>16</b>   | <b>4.5</b> | <b>20.2</b> | <b>99</b>  | <b>47</b> | <b>60</b> | <b>24</b> | <b>5.94</b> | <b>108</b> | <b>16</b>  | <b>4.5</b> | <b>20.2</b> | <b>99</b>  | <b>47</b> | <b>60</b> | <b>24</b> | <b>5.9</b> | <b>108</b> |
| Tops                   | 2   | 4.4        | 20.1        | 104        | 49        | 68        | 26        | 3.5        | 103        | 1   | 5.1        | 20.2        | 113        | 52        | 70        | 25        | 5.00        | 123        | 3  | 5.2        | 19.9        | 104        | 47        | 68        | 26        | 6.3        | 116        |
| Seconds                | 2   | 4.6        | 21.0        | 98         | 46        | 59        | 23        | 7.0        | 104        | 3   | 4.2        | 19.6        | 98         | 44        | 63        | 26        | 5.67        | 98         | 3  | 4.2        | 20.2        | 97         | 48        | 61        | 25        | 6.0        | 106        |
| Sales                  | 6   | 4.6        | 19.9        | 99         | 48        | 62        | 24        | 6.8        | 113        | 4   | 4.7        | 20.8        | 100        | 48        | 59        | 24        | 6.25        | 108        | 5  | 4.2        | 20.8        | 97         | 46        | 57        | 25        | 4.6        | 97         |
| Culls                  | 6   | 4.5        | 20.4        | 98         | 46        | 56        | 24        | 5.5        | 106        | 8   | 4.5        | 20.3        | 98         | 47        | 58        | 24        | 6.00        | 109        | 5  | 4.6        | 19.9        | 100        | 47        | 57        | 23        | 7.0        | 115        |
| <b>DARR 130941</b>     | <b>12</b>   | <b>4.6</b> | <b>19.8</b> | <b>98</b>  | <b>48</b> | <b>59</b> | <b>24</b> | <b>6.3</b> | <b>117</b> | <b>12</b>   | <b>4.6</b> | <b>19.8</b> | <b>98</b>  | <b>48</b> | <b>59</b> | <b>24</b> | <b>6.25</b> | <b>117</b> | <b>12</b>  | <b>4.6</b> | <b>19.8</b> | <b>98</b>  | <b>48</b> | <b>59</b> | <b>24</b> | <b>6.3</b> | <b>117</b> |
| Tops                   | 1   | 4.6        | 20.0        | 103        | 44        | 62        | 25        | 9.0        | 115        | 1   | 3.9        | 16.3        | 87         | 38        | 64        | 25        | 4.00        | 111        | 3  | 4.4        | 20.0        | 103        | 48        | 61        | 24        | 7.7        | 118        |
| Seconds                | 3   | 4.3        | 18.8        | 99         | 47        | 59        | 24        | 5.7        | 112        | 3   | 4.0        | 19.7        | 101        | 49        | 60        | 24        | 7.00        | 112        | 1  | 4.7        | 21.2        | 99         | 51        | 65        | 25        | 4.0        | 110        |
| Sales                  | 3   | 5.0        | 20.4        | 96         | 50        | 62        | 25        | 4.0        | 114        | 3   | 4.6        | 19.7        | 95         | 47        | 59        | 23        | 7.00        | 125        | 4  | 4.3        | 19.3        | 97         | 47        | 59        | 24        | 6.0        | 117        |
| Culls                  | 5   | 4.6        | 19.9        | 97         | 47        | 58        | 23        | 7.4        | 122        | 5   | 5.1        | 20.5        | 100        | 49        | 59        | 24        | 5.80        | 116        | 4  | 5.0        | 19.7        | 95         | 47        | 57        | 24        | 6.0        | 118        |
| <b>G.RASS P47</b>      | <b>33</b>   | <b>4.2</b> | <b>20.3</b> | <b>99</b>  | <b>46</b> | <b>63</b> | <b>26</b> | <b>5.8</b> | <b>104</b> | <b>33</b>   | <b>4.2</b> | <b>20.3</b> | <b>99</b>  | <b>46</b> | <b>63</b> | <b>26</b> | <b>5.85</b> | <b>104</b> | <b>33</b>  | <b>4.2</b> | <b>20.3</b> | <b>99</b>  | <b>46</b> | <b>63</b> | <b>26</b> | <b>5.8</b> | <b>104</b> |
| Tops                   | 3   | 3.8        | 17.8        | 99         | 43        | 66        | 28        | 4.7        | 107        | 3   | 4.1        | 19.4        | 104        | 48        | 74        | 26        | 3.33        | 106        | 3  | 3.9        | 18.6        | 101        | 43        | 71        | 27        | 3.3        | 101        |
| Seconds                | 8   | 4.4        | 20.5        | 103        | 48        | 67        | 27        | 5.5        | 101        | 10  | 3.9        | 19.4        | 101        | 42        | 65        | 27        | 5.70        | 100        | 8  | 4.2        | 20.4        | 101        | 45        | 63        | 27        | 5.8        | 101        |
| Sales                  | 10  | 4.3        | 20.7        | 99         | 44        | 63        | 26        | 6.1        | 102        | 9   | 4.6        | 20.9        | 99         | 47        | 61        | 25        | 5.22        | 106        | 11   | 4.3        | 20.4        | 100        | 47        | 62        | 26        | 6.7        | 109        |
| Culls                  | 12  | 4.1        | 20.5        | 97         | 47        | 61        | 25        | 6.2        | 105        | 11  | 4.3        | 21.0        | 96         | 47        | 61        | 26        | 7.18        | 104        | 11   | 4.2        | 20.6        | 96         | 46        | 63        | 26        | 5.7        | 101        |
| <b>GUL 120018</b>      | <b>24</b>   | <b>4.4</b> | <b>19.4</b> | <b>103</b> | <b>44</b> | <b>63</b> | <b>23</b> | <b>5.3</b> | <b>96</b>  | <b>24</b>   | <b>4.4</b> | <b>19.4</b> | <b>103</b> | <b>44</b> | <b>63</b> | <b>23</b> | <b>5.33</b> | <b>96</b>  | <b>24</b>  | <b>4.4</b> | <b>19.4</b> | <b>103</b> | <b>44</b> | <b>63</b> | <b>23</b> | <b>5.3</b> | <b>96</b>  |
| Tops                   | 2   | 4.8        | 20.0        | 101        | 39        | 63        | 24        | 4.0        | 86         | 4   | 4.8        | 19.4        | 109        | 44        | 65        | 25        | 6.00        | 105        | 3  | 4.8        | 19.4        | 109        | 44        | 67        | 25        | 5.3        | 107        |
| Seconds                | 6   | 4.5        | 18.9        | 105        | 44        | 64        | 24        | 6.2        | 101        | 4   | 4.3        | 19.2        | 102        | 42        | 66        | 25        | 6.50        | 96         | 5  | 4.3        | 19.4        | 104        | 43        | 60        | 22        | 5.2        | 94         |
| Sales                  | 8   | 4.3        | 19.7        | 102        | 46        | 63        | 24        | 5.3        | 96         | 8   | 4.6        | 19.9        | 102        | 44        | 63        | 23        | 4.50        | 92         | 8  | 4.3        | 19.3        | 102        | 43        | 64        | 23        | 4.9        | 90         |
| Culls                  | 8   | 4.4        | 19.3        | 102        | 42        | 62        | 23        | 5.1        | 94         | 8   | 4.2        | 18.9        | 101        | 43        | 60        | 22        | 5.25        | 95         | 8  | 4.5        | 19.4        | 101        | 44        | 62        | 23        | 5.9        | 98         |
| <b>HAZ 13.4936</b>     | <b>25</b>   | <b>4.4</b> | <b>18.7</b> | <b>98</b>  | <b>44</b> | <b>61</b> | <b>23</b> | <b>6.2</b> | <b>111</b> | <b>25</b>   | <b>4.4</b> | <b>18.7</b> | <b>98</b>  | <b>44</b> | <b>61</b> | <b>23</b> | <b>6.19</b> | <b>111</b> | <b>26</b>  | <b>4.4</b> | <b>18.7</b> | <b>98</b>  | <b>44</b> | <b>61</b> | <b>23</b> | <b>6.2</b> | <b>111</b> |
| Tops                   | 2   | 4.9        | 21.0        | 96         | 43        | 63        | 23        | 5.5        | 106        | 3   | 4.0        | 17.8        | 100        | 38        | 68        | 24        | 6.67        | 116        | 3  | 4.9        | 18.1        | 95         | 47        | 64        | 22        | 4.3        | 110        |
| Seconds                | 7   | 4.2        | 18.0        | 101        | 42        | 64        | 23        | 7.1        | 113        | 5   | 4.1        | 18.1        | 98         | 41        | 64        | 24        | 6.60        | 109        | 6  | 4.0        | 17.7        | 97         | 39        | 64        | 24        | 6.8        | 114        |
| Sales                  | 6   | 4.4        | 19.5        | 96         | 46        | 61        | 23        | 6.7        | 109        | 9   | 4.4        | 18.6        | 101        | 43        | 61        | 22        | 6.56        | 112        | 8  | 4.2        | 18.9        | 100        | 46        | 57        | 22        | 6.6        | 110        |
| Culls                  | 10  | 4.3        | 18.3        | 98         | 44        | 59        | 22        | 5.3        | 111        | 8   | 4.7        | 19.4        | 95         | 47        | 56        | 22        | 5.25        | 109        | 9  | 4.5        | 19.5        | 99         | 43        | 62        | 23        | 6.0        | 109        |

| Sire                   | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |             |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>KER POLL 151911</b> | <b>19</b>   | <b>4.5</b> | <b>19.4</b> | <b>102</b> | <b>48</b> | <b>66</b> | <b>25</b> | <b>5.8</b> | <b>121</b> | <b>19</b>   | <b>4.5</b> | <b>19.4</b> | <b>102</b> | <b>48</b> | <b>66</b> | <b>25</b> | <b>5.79</b> | <b>121</b> | <b>19</b>  | <b>4.5</b> | <b>19.4</b> | <b>102</b> | <b>48</b> | <b>66</b> | <b>25</b> | <b>5.8</b> | <b>121</b> |
| Tops                   | 1   | 5.1        | 21.5        | 111        | 53        | 66        | 24        | 7.0        | 114        | 1   | 5.2        | 18.5        | 97         | 53        | 82        | 29        | 5.00        | 139        | 3  | 4.5        | 18.6        | 100        | 47        | 73        | 26        | 4.3        | 126        |
| Seconds                | 4   | 4.7        | 19.2        | 103        | 48        | 69        | 25        | 6.0        | 128        | 4   | 4.7        | 19.5        | 102        | 46        | 69        | 26        | 5.50        | 128        | 3  | 4.4        | 18.9        | 103        | 45        | 72        | 26        | 6.0        | 118        |
| Sales                  | 8   | 4.6        | 19.8        | 103        | 50        | 68        | 26        | 5.9        | 118        | 6   | 4.2        | 19.1        | 101        | 47        | 67        | 26        | 6.17        | 118        | 6  | 4.7        | 20.5        | 104        | 51        | 65        | 25        | 6.5        | 116        |
| Culls                  | 6   | 4.3        | 18.5        | 99         | 46        | 61        | 25        | 5.3        | 123        | 8   | 4.6        | 19.6        | 102        | 50        | 61        | 24        | 5.75        | 118        | 7  | 4.5        | 18.9        | 100        | 47        | 61        | 25        | 5.7        | 126        |
| <b>MOOJ 120652</b>     | <b>33</b>   | <b>3.6</b> | <b>19.5</b> | <b>106</b> | <b>43</b> | <b>63</b> | <b>27</b> | <b>6.6</b> | <b>84</b>  | <b>33</b>   | <b>3.6</b> | <b>19.5</b> | <b>106</b> | <b>43</b> | <b>63</b> | <b>27</b> | <b>6.61</b> | <b>84</b>  | <b>33</b>  | <b>3.6</b> | <b>19.5</b> | <b>106</b> | <b>43</b> | <b>63</b> | <b>27</b> | <b>6.6</b> | <b>84</b>  |
| Tops                   | 2   | 3.5        | 19.2        | 107        | 39        | 69        | 28        | 6.0        | 73         | 2   | 3.8        | 19.3        | 103        | 44        | 67        | 27        | 10.50       | 95         | 3  | 3.7        | 18.7        | 111        | 43        | 70        | 28        | 8.0        | 88         |
| Seconds                | 9   | 3.8        | 19.3        | 107        | 44        | 66        | 28        | 6.9        | 88         | 10  | 3.3        | 18.5        | 103        | 42        | 69        | 29        | 6.40        | 82         | 8  | 3.8        | 19.8        | 106        | 46        | 67        | 28        | 5.9        | 86         |
| Sales                  | 11  | 3.5        | 19.3        | 106        | 42        | 66        | 28        | 7.0        | 84         | 10  | 3.6        | 19.6        | 108        | 42        | 64        | 28        | 6.30        | 83         | 11   | 3.7        | 19.7        | 107        | 42        | 61        | 27        | 6.3        | 82         |
| Culls                  | 11  | 3.5        | 19.8        | 105        | 44        | 58        | 26        | 6.1        | 83         | 11  | 3.8        | 20.4        | 108        | 45        | 57        | 26        | 6.36        | 85         | 11   | 3.3        | 19.3        | 104        | 42        | 61        | 27        | 7.1        | 83         |
| <b>MUMBLE 151367</b>   | <b>21</b>   | <b>3.7</b> | <b>19.1</b> | <b>106</b> | <b>42</b> | <b>62</b> | <b>25</b> | <b>4.7</b> | <b>76</b>  | <b>20</b>   | <b>3.7</b> | <b>19.1</b> | <b>106</b> | <b>42</b> | <b>62</b> | <b>25</b> | <b>4.71</b> | <b>76</b>  | <b>21</b>  | <b>3.7</b> | <b>19.1</b> | <b>106</b> | <b>42</b> | <b>62</b> | <b>25</b> | <b>4.7</b> | <b>76</b>  |
| Tops                   | 3   | 3.8        | 19.0        | 113        | 43        | 66        | 25        | 5.7        | 78         | 2   | 3.6        | 19.1        | 114        | 43        | 65        | 24        | 6.00        | 78         | 3  | 3.8        | 19.2        | 111        | 45        | 62        | 25        | 6.3        | 80         |
| Seconds                | 4   | 4.1        | 19.7        | 107        | 42        | 59        | 25        | 6.0        | 74         | 7   | 3.8        | 19.0        | 107        | 42        | 61        | 25        | 6.00        | 78         | 4  | 4.1        | 19.1        | 107        | 42        | 61        | 25        | 5.0        | 72         |
| Sales                  | 8   | 3.6        | 19.1        | 108        | 43        | 66        | 26        | 4.4        | 75         | 3   | 3.6        | 18.9        | 99         | 39        | 66        | 26        | 4.00        | 79         | 7  | 3.6        | 19.2        | 104        | 41        | 65        | 26        | 4.7        | 78         |
| Culls                  | 6   | 3.5        | 18.9        | 101        | 42        | 57        | 24        | 3.8        | 77         | 8   | 3.6        | 19.6        | 106        | 44        | 61        | 24        | 3.13        | 72         | 7  | 3.4        | 19.1        | 106        | 43        | 60        | 24        | 3.9        | 74         |
| <b>RP 132933</b>       | <b>24</b>   | <b>4.4</b> | <b>19.5</b> | <b>96</b>  | <b>47</b> | <b>63</b> | <b>22</b> | <b>5.4</b> | <b>99</b>  | <b>24</b>   | <b>4.4</b> | <b>19.5</b> | <b>96</b>  | <b>47</b> | <b>63</b> | <b>22</b> | <b>5.42</b> | <b>99</b>  | <b>24</b>  | <b>4.4</b> | <b>19.5</b> | <b>96</b>  | <b>47</b> | <b>63</b> | <b>22</b> | <b>5.4</b> | <b>99</b>  |
| Tops                   | 3   | 4.5        | 18.6        | 98         | 47        | 70        | 24        | 6.3        | 102        | 3   | 3.9        | 18.0        | 98         | 43        | 67        | 24        | 7.00        | 103        | 3  | 4.9        | 19.4        | 98         | 49        | 64        | 23        | 2.3        | 93         |
| Seconds                | 6   | 4.5        | 19.1        | 98         | 45        | 65        | 23        | 5.5        | 103        | 5   | 4.7        | 19.4        | 101        | 51        | 62        | 22        | 4.40        | 102        | 5  | 4.6        | 19.4        | 99         | 51        | 63        | 22        | 6.0        | 101        |
| Sales                  | 7   | 4.6        | 20.3        | 95         | 51        | 62        | 22        | 5.1        | 96         | 7   | 4.4        | 18.9        | 93         | 44        | 64        | 22        | 5.29        | 98         | 8  | 3.9        | 18.9        | 96         | 44        | 63        | 22        | 5.6        | 97         |
| Culls                  | 8   | 4.0        | 19.4        | 96         | 45        | 61        | 21        | 5.3        | 96         | 9   | 4.3        | 20.4        | 96         | 48        | 62        | 22        | 5.56        | 96         | 8  | 4.5        | 20.1        | 94         | 46        | 63        | 22        | 6.0        | 100        |
| <b>TV POLL 140477</b>  | <b>24</b>   | <b>3.8</b> | <b>19.9</b> | <b>103</b> | <b>43</b> | <b>67</b> | <b>25</b> | <b>5.6</b> | <b>94</b>  | <b>23</b>   | <b>3.8</b> | <b>19.9</b> | <b>103</b> | <b>43</b> | <b>67</b> | <b>25</b> | <b>5.63</b> | <b>94</b>  | <b>24</b>  | <b>3.8</b> | <b>19.9</b> | <b>103</b> | <b>43</b> | <b>67</b> | <b>25</b> | <b>5.6</b> | <b>94</b>  |
| Tops                   | 2   | 4.1        | 18.4        | 107        | 47        | 71        | 27        | 5.0        | 118        | 2   | 4.3        | 18.5        | 100        | 42        | 75        | 27        | 5.50        | 112        | 3  | 3.8        | 18.1        | 106        | 44        | 70        | 27        | 5.0        | 112        |
| Seconds                | 5   | 3.8        | 20.4        | 105        | 43        | 68        | 25        | 5.0        | 86         | 6   | 3.7        | 19.6        | 107        | 45        | 66        | 24        | 5.83        | 98         | 5  | 3.9        | 20.6        | 105        | 44        | 68        | 25        | 6.0        | 95         |
| Sales                  | 7   | 3.9        | 20.5        | 106        | 45        | 65        | 24        | 6.1        | 95         | 7   | 3.9        | 20.1        | 100        | 45        | 70        | 26        | 5.29        | 95         | 8  | 4.0        | 20.7        | 104        | 43        | 66        | 25        | 5.8        | 93         |
| Culls                  | 10  | 3.6        | 19.7        | 99         | 41        | 67        | 26        | 5.7        | 94         | 8   | 3.6        | 20.3        | 103        | 41        | 62        | 25        | 5.50        | 86         | 8  | 3.5        | 19.5        | 99         | 42        | 66        | 25        | 5.5        | 89         |
| <b>WANG 130816</b>     | <b>15</b>   | <b>4.7</b> | <b>20.3</b> | <b>101</b> | <b>48</b> | <b>65</b> | <b>25</b> | <b>4.5</b> | <b>99</b>  | <b>15</b>   | <b>4.7</b> | <b>20.3</b> | <b>101</b> | <b>48</b> | <b>65</b> | <b>25</b> | <b>4.47</b> | <b>99</b>  | <b>15</b>  | <b>4.7</b> | <b>20.3</b> | <b>101</b> | <b>48</b> | <b>65</b> | <b>25</b> | <b>4.5</b> | <b>99</b>  |
| Tops                   | 3   | 4.6        | 19.5        | 105        | 48        | 65        | 26        | 4.3        | 100        | 2   | 4.1        | 18.0        | 101        | 45        | 61        | 24        | 4.50        | 97         | 3  | 5.6        | 22.0        | 97         | 49        | 73        | 26        | 3.0        | 101        |
| Seconds                | 2   | 4.7        | 20.7        | 102        | 48        | 70        | 28        | 4.0        | 98         |   |            |             |            |           |           |           |             |            | 2  | 4.2        | 19.1        | 106        | 44        | 65        | 27        | 2.5        | 92         |
| Sales                  | 5   | 4.6        | 20.9        | 95         | 49        | 68        | 25        | 5.2        | 99         | 6   | 4.6        | 19.8        | 102        | 50        | 63        | 25        | 4.67        | 103        | 5  | 4.5        | 20.4        | 102        | 49        | 64        | 24        | 5.2        | 95         |
| Culls                  | 5   | 4.7        | 20.0        | 103        | 46        | 60        | 23        | 4.0        | 99         | 7   | 4.9        | 21.4        | 99         | 46        | 68        | 25        | 4.29        | 96         | 5  | 4.5        | 19.6        | 100        | 47        | 61        | 23        | 5.4        | 104        |

| Sire                   | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |             |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>WES POLL 110004</b> | <b>14</b>   | <b>4.2</b> | <b>18.5</b> | <b>98</b>  | <b>44</b> | <b>62</b> | <b>24</b> | <b>5.3</b> | <b>99</b>  | <b>15</b>   | <b>4.2</b> | <b>18.5</b> | <b>98</b>  | <b>44</b> | <b>62</b> | <b>24</b> | <b>5.33</b> | <b>99</b>  | <b>15</b>  | <b>4.2</b> | <b>18.5</b> | <b>98</b>  | <b>44</b> | <b>62</b> | <b>24</b> | <b>5.3</b> | <b>99</b>  |
| Tops                   | 3   | 4.1        | 18.2        | 102        | 36        | 67        | 24        | 6.7        | 97         | 3   | 4.1        | 18.3        | 105        | 45        | 68        | 23        | 3.67        | 99         | 3  | 4.4        | 19.0        | 104        | 45        | 63        | 24        | 4.0        | 94         |
| Seconds                | 3   | 4.6        | 18.8        | 102        | 51        | 58        | 23        | 4.0        | 103        | 3   | 4.4        | 18.7        | 100        | 41        | 64        | 24        | 6.00        | 97         | 2  | 4.9        | 19.2        | 96         | 50        | 65        | 24        | 4.0        | 95         |
| Sales                  | 4   | 4.2        | 18.5        | 95         | 42        | 66        | 24        | 5.3        | 100        | 5   | 4.3        | 18.7        | 96         | 46        | 63        | 24        | 6.00        | 102        | 5  | 4.4        | 19.1        | 100        | 46        | 59        | 23        | 5.2        | 104        |
| Culls                  | 4   | 4.3        | 19.1        | 97         | 47        | 60        | 24        | 5.5        | 101        | 4   | 4.1        | 18.4        | 93         | 44        | 56        | 24        | 5.25        | 98         | 5  | 3.7        | 17.4        | 92         | 40        | 64        | 24        | 6.8        | 99         |
| <b>WILGUN 121224</b>   | <b>26</b>   | <b>4.2</b> | <b>19.1</b> | <b>95</b>  | <b>47</b> | <b>62</b> | <b>23</b> | <b>5.8</b> | <b>106</b> | <b>26</b>   | <b>4.2</b> | <b>19.1</b> | <b>95</b>  | <b>47</b> | <b>62</b> | <b>23</b> | <b>5.85</b> | <b>106</b> | <b>26</b>  | <b>4.2</b> | <b>19.1</b> | <b>95</b>  | <b>47</b> | <b>62</b> | <b>23</b> | <b>5.8</b> | <b>106</b> |
| Tops                   | 3   | 4.6        | 21.0        | 99         | 54        | 66        | 24        | 8.0        | 106        | 3   | 4.1        | 19.1        | 103        | 43        | 63        | 23        | 5.33        | 102        | 3  | 4.4        | 18.8        | 105        | 50        | 65        | 23        | 5.0        | 108        |
| Seconds                | 6   | 4.2        | 18.8        | 96         | 49        | 61        | 23        | 5.7        | 105        | 6   | 4.2        | 19.0        | 94         | 50        | 64        | 23        | 5.50        | 109        | 6  | 4.3        | 19.3        | 96         | 52        | 64        | 23        | 5.5        | 107        |
| Sales                  | 8   | 4.1        | 18.9        | 94         | 45        | 62        | 23        | 5.1        | 109        | 8   | 4.3        | 19.3        | 95         | 48        | 62        | 22        | 5.50        | 105        | 8  | 4.2        | 19.3        | 94         | 45        | 62        | 22        | 5.5        | 99         |
| Culls                  | 9   | 4.1        | 18.8        | 95         | 44        | 61        | 23        | 5.9        | 104        | 9   | 4.1        | 19.0        | 94         | 44        | 60        | 23        | 6.56        | 106        | 9  | 4.1        | 18.9        | 92         | 44        | 59        | 23        | 6.7        | 111        |
| <b>WILLAN 140030</b>   | <b>27</b>   | <b>4.6</b> | <b>19.1</b> | <b>97</b>  | <b>44</b> | <b>63</b> | <b>24</b> | <b>5.0</b> | <b>107</b> | <b>27</b>   | <b>4.6</b> | <b>19.1</b> | <b>97</b>  | <b>44</b> | <b>63</b> | <b>24</b> | <b>4.96</b> | <b>107</b> | <b>27</b>  | <b>4.6</b> | <b>19.1</b> | <b>97</b>  | <b>44</b> | <b>63</b> | <b>24</b> | <b>5.0</b> | <b>107</b> |
| Tops                   | 3   | 4.8        | 19.5        | 101        | 42        | 67        | 24        | 5.3        | 98         | 2   | 4.4        | 17.8        | 98         | 41        | 69        | 25        | 6.50        | 100        | 3  | 4.2        | 17.2        | 97         | 44        | 64        | 24        | 5.7        | 114        |
| Seconds                | 8   | 4.7        | 19.3        | 102        | 44        | 64        | 24        | 4.0        | 106        | 7   | 4.8        | 19.2        | 100        | 44        | 67        | 25        | 4.57        | 110        | 5  | 4.6        | 18.2        | 99         | 44        | 65        | 25        | 4.6        | 104        |
| Sales                  | 6   | 4.8        | 18.4        | 96         | 46        | 61        | 25        | 4.7        | 115        | 9   | 4.7        | 19.3        | 101        | 46        | 59        | 24        | 5.11        | 105        | 10   | 4.8        | 19.5        | 100        | 44        | 64        | 24        | 5.4        | 108        |
| Culls                  | 10  | 4.3        | 19.1        | 94         | 43        | 62        | 24        | 5.8        | 106        | 9   | 4.4        | 19.0        | 93         | 42        | 61        | 24        | 4.78        | 108        | 9  | 4.5        | 19.6        | 94         | 43        | 60        | 24        | 4.4        | 106        |
| <b>Total</b>           | <b>333</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>331</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.68</b> | <b>100</b> | <b>335</b>   | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

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

| <b>P to H</b>          | Top      | Sec       | Sal      | Cul       | T         | %   | <b>P to A6</b>         | Top      | Sec      | Sal       | Cul       | T         | %   | <b>H to A6</b>         | Top      | Sec      | Sal       | Cul       | T         | %   |
|------------------------|----------|-----------|----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|
| <b>CEP POLL 707115</b> | <b>2</b> | <b>3</b>  | <b>9</b> | <b>5</b>  | <b>19</b> |     | <b>CEP POLL 707115</b> | <b>3</b> | <b>4</b> | <b>6</b>  | <b>7</b>  | <b>20</b> |     | <b>CEP POLL 707115</b> | <b>3</b> | <b>3</b> | <b>6</b>  | <b>7</b>  | <b>19</b> |     |
| Tops                   |          | 1         | 1        |           | 2         |     | Tops                   |          | 1        | 1         |           | 2         |     | Tops                   | 1        |          |           | 1         | 2         |     |
| Seconds                | 1        |           |          | 1         | 2         |     | Seconds                | 1        |          |           | 1         | 2         |     | Seconds                |          | 1        | 1         | 1         | 3         |     |
| Sales                  | 1        | 1         | 4        | 1         | 7         |     | Sales                  | 1        | 2        | 1         | 3         | 7         |     | Sales                  | 2        | 2        | 3         | 2         | 9         |     |
| Culls                  |          | 1         | 4        | 3         | 8         | 37% | Culls                  | 1        | 1        | 4         | 3         | 9         | 20% | Culls                  |          |          | 2         | 3         | 5         | 42% |
| <b>COLL 130545</b>     | <b>1</b> | <b>3</b>  | <b>4</b> | <b>8</b>  | <b>16</b> |     | <b>COLL 130545</b>     | <b>3</b> | <b>3</b> | <b>5</b>  | <b>5</b>  | <b>16</b> |     | <b>COLL 130545</b>     | <b>3</b> | <b>3</b> | <b>5</b>  | <b>5</b>  | <b>16</b> |     |
| Tops                   | 1        | 1         |          |           | 2         |     | Tops                   | 1        | 1        |           |           | 2         |     | Tops                   | 1        |          |           |           | 1         |     |
| Seconds                |          |           | 1        | 1         | 2         |     | Seconds                |          |          |           | 2         | 2         |     | Seconds                | 1        | 1        | 1         |           | 3         |     |
| Sales                  |          |           | 2        | 4         | 6         |     | Sales                  | 1        | 2        | 1         | 2         | 6         |     | Sales                  |          | 1        | 1         | 2         | 4         |     |
| Culls                  |          | 2         | 1        | 3         | 6         | 38% | Culls                  | 1        |          | 4         | 1         | 6         | 19% | Culls                  | 1        | 1        | 3         | 3         | 8         | 38% |
| <b>DARR 130941</b>     | <b>1</b> | <b>3</b>  | <b>3</b> | <b>5</b>  | <b>12</b> |     | <b>DARR 130941</b>     | <b>3</b> | <b>1</b> | <b>4</b>  | <b>4</b>  | <b>12</b> |     | <b>DARR 130941</b>     | <b>3</b> | <b>1</b> | <b>4</b>  | <b>4</b>  | <b>12</b> |     |
| Tops                   |          | 1         |          |           | 1         |     | Tops                   | 1        |          |           |           | 1         |     | Tops                   |          |          |           | 1         | 1         |     |
| Seconds                | 1        | 1         |          | 1         | 3         |     | Seconds                | 1        |          | 1         | 1         | 3         |     | Seconds                | 2        |          | 1         |           | 3         |     |
| Sales                  |          | 1         | 1        | 1         | 3         |     | Sales                  |          | 1        | 1         | 1         | 3         |     | Sales                  |          | 1        | 1         | 1         | 3         |     |
| Culls                  |          |           | 2        | 3         | 5         | 42% | Culls                  | 1        |          | 2         | 2         | 5         | 33% | Culls                  | 1        |          | 2         | 2         | 5         | 25% |
| <b>G.RASS P47</b>      | <b>3</b> | <b>10</b> | <b>9</b> | <b>11</b> | <b>33</b> |     | <b>G.RASS P47</b>      | <b>3</b> | <b>8</b> | <b>11</b> | <b>11</b> | <b>33</b> |     | <b>G.RASS P47</b>      | <b>3</b> | <b>8</b> | <b>11</b> | <b>11</b> | <b>33</b> |     |
| Tops                   |          | 3         |          |           | 3         |     | Tops                   | 1        |          |           | 2         | 3         |     | Tops                   | 2        |          | 1         |           | 3         |     |
| Seconds                | 2        | 4         | 1        | 1         | 8         |     | Seconds                | 2        | 2        | 2         | 2         | 8         |     | Seconds                | 1        | 3        | 2         | 4         | 10        |     |
| Sales                  |          | 3         | 4        | 3         | 10        |     | Sales                  |          | 4        | 4         | 2         | 10        |     | Sales                  |          | 2        | 3         | 4         | 9         |     |
| Culls                  | 1        |           | 4        | 7         | 12        | 45% | Culls                  |          | 2        | 5         | 5         | 12        | 36% | Culls                  |          | 3        | 5         | 3         | 11        | 33% |
| <b>GUL 120018</b>      | <b>4</b> | <b>4</b>  | <b>8</b> | <b>8</b>  | <b>24</b> |     | <b>GUL 120018</b>      | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>GUL 120018</b>      | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     |
| Tops                   |          | 1         | 1        |           | 2         |     | Tops                   |          | 1        |           | 1         | 2         |     | Tops                   | 2        | 1        |           | 1         | 4         |     |
| Seconds                | 2        | 1         | 2        | 1         | 6         |     | Seconds                | 1        | 1        | 3         | 1         | 6         |     | Seconds                |          | 2        | 1         | 1         | 4         |     |
| Sales                  | 2        | 1         | 4        | 1         | 8         |     | Sales                  | 1        | 2        | 1         | 4         | 8         |     | Sales                  |          | 1        | 3         | 4         | 8         |     |
| Culls                  |          | 1         | 1        | 6         | 8         | 46% | Culls                  | 1        | 1        | 4         | 2         | 8         | 17% | Culls                  | 1        | 1        | 4         | 2         | 8         | 38% |
| <b>HAZ 13.4936</b>     | <b>3</b> | <b>5</b>  | <b>8</b> | <b>8</b>  | <b>24</b> |     | <b>HAZ 13.4936</b>     | <b>3</b> | <b>5</b> | <b>8</b>  | <b>9</b>  | <b>25</b> |     | <b>HAZ 13.4936</b>     | <b>3</b> | <b>6</b> | <b>7</b>  | <b>9</b>  | <b>25</b> |     |
| Tops                   |          |           | 1        | 1         | 2         |     | Tops                   |          |          |           | 2         | 2         |     | Tops                   |          | 1        |           | 2         | 3         |     |
| Seconds                | 1        | 3         | 3        |           | 7         |     | Seconds                | 1        | 3        | 3         |           | 7         |     | Seconds                | 1        | 1        | 2         | 1         | 5         |     |
| Sales                  |          |           | 3        | 3         | 6         |     | Sales                  | 1        | 1        | 2         | 2         | 6         |     | Sales                  | 2        | 2        | 2         | 3         | 9         |     |
| Culls                  | 2        | 2         | 1        | 4         | 9         | 42% | Culls                  | 1        | 1        | 3         | 5         | 10        | 40% | Culls                  |          | 2        | 3         | 3         | 8         | 24% |

| <b>P to H</b>          | Top      | Sec       | Sal       | Cul       | T         | %   | <b>P to A6</b>         | Top      | Sec      | Sal       | Cul       | T         | %   | <b>H to A6</b>         | Top      | Sec      | Sal       | Cul       | T         | %   |
|------------------------|----------|-----------|-----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|
| <b>KER POLL 151911</b> | <b>1</b> | <b>4</b>  | <b>6</b>  | <b>8</b>  | <b>19</b> |     | <b>KER POLL 151911</b> | <b>3</b> | <b>3</b> | <b>6</b>  | <b>7</b>  | <b>19</b> |     | <b>KER POLL 151911</b> | <b>3</b> | <b>3</b> | <b>6</b>  | <b>7</b>  | <b>19</b> |     |
| Tops                   |          |           | 1         |           | 1         |     | Tops                   |          |          | 1         |           | 1         |     | Tops                   | 1        |          |           |           | 1         |     |
| Seconds                | 1        | 1         | 2         |           | 4         |     | Seconds                | 1        | 1        |           | 2         | 4         |     | Seconds                | 1        | 1        |           | 2         | 4         |     |
| Sales                  |          | 1         | 1         | 6         | 8         |     | Sales                  | 1        | 1        | 5         | 1         | 8         |     | Sales                  | 1        | 1        | 2         | 2         | 6         |     |
| Culls                  |          | 2         | 2         | 2         | 6         | 21% | Culls                  | 1        | 1        |           | 4         | 6         | 53% | Culls                  |          | 1        | 4         | 3         | 8         | 37% |
| <b>MOOJ 120652</b>     | <b>2</b> | <b>10</b> | <b>10</b> | <b>11</b> | <b>33</b> |     | <b>MOOJ 120652</b>     | <b>3</b> | <b>8</b> | <b>11</b> | <b>11</b> | <b>33</b> |     | <b>MOOJ 120652</b>     | <b>3</b> | <b>8</b> | <b>11</b> | <b>11</b> | <b>33</b> |     |
| Tops                   |          | 2         |           |           | 2         |     | Tops                   |          |          | 1         | 1         | 2         |     | Tops                   | 1        | 1        |           |           | 2         |     |
| Seconds                | 1        | 3         | 3         | 2         | 9         |     | Seconds                | 1        | 4        | 3         | 1         | 9         |     | Seconds                | 1        | 3        | 2         | 4         | 10        |     |
| Sales                  | 1        | 4         | 3         | 3         | 11        |     | Sales                  | 1        | 3        | 4         | 3         | 11        |     | Sales                  | 1        | 3        | 5         | 1         | 10        |     |
| Culls                  |          | 1         | 4         | 6         | 11        | 36% | Culls                  | 1        | 1        | 3         | 6         | 11        | 42% | Culls                  |          | 1        | 4         | 6         | 11        | 45% |
| <b>MUMBLE 151367</b>   | <b>2</b> | <b>7</b>  | <b>3</b>  | <b>8</b>  | <b>20</b> |     | <b>MUMBLE 151367</b>   | <b>3</b> | <b>4</b> | <b>7</b>  | <b>7</b>  | <b>21</b> |     | <b>MUMBLE 151367</b>   | <b>2</b> | <b>4</b> | <b>7</b>  | <b>7</b>  | <b>20</b> |     |
| Tops                   | 2        | 1         |           |           | 3         |     | Tops                   | 1        | 1        | 1         |           | 3         |     | Tops                   | 1        |          | 1         |           | 2         |     |
| Seconds                |          | 4         |           |           | 4         |     | Seconds                |          | 2        | 1         | 1         | 4         |     | Seconds                |          | 3        | 2         | 2         | 7         |     |
| Sales                  |          | 1         | 2         | 4         | 7         |     | Sales                  | 2        |          | 2         | 4         | 8         |     | Sales                  | 1        |          | 2         |           | 3         |     |
| Culls                  |          | 1         | 1         | 4         | 6         | 60% | Culls                  |          | 1        | 3         | 2         | 6         | 33% | Culls                  |          | 1        | 2         | 5         | 8         | 55% |
| <b>RP 132933</b>       | <b>3</b> | <b>5</b>  | <b>7</b>  | <b>9</b>  | <b>24</b> |     | <b>RP 132933</b>       | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>RP 132933</b>       | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     |
| Tops                   | 2        | 1         |           |           | 3         |     | Tops                   |          | 1        | 2         |           | 3         |     | Tops                   |          |          | 3         |           | 3         |     |
| Seconds                | 1        | 1         | 2         | 2         | 6         |     | Seconds                | 2        | 1        | 1         | 2         | 6         |     | Seconds                | 1        | 2        | 1         | 1         | 5         |     |
| Sales                  |          | 2         | 3         | 2         | 7         |     | Sales                  | 1        | 2        | 1         | 3         | 7         |     | Sales                  | 1        | 1        | 1         | 4         | 7         |     |
| Culls                  |          | 1         | 2         | 5         | 8         | 46% | Culls                  |          | 1        | 4         | 3         | 8         | 21% | Culls                  | 1        | 2        | 3         | 3         | 9         | 25% |
| <b>TV POLL 140477</b>  | <b>2</b> | <b>6</b>  | <b>7</b>  | <b>8</b>  | <b>23</b> |     | <b>TV POLL 140477</b>  | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>TV POLL 140477</b>  | <b>3</b> | <b>4</b> | <b>8</b>  | <b>8</b>  | <b>23</b> |     |
| Tops                   | 1        | 1         |           |           | 2         |     | Tops                   | 2        |          |           |           | 2         |     | Tops                   | 1        |          |           |           | 1         | 2   |
| Seconds                |          | 1         | 3         | 1         | 5         |     | Seconds                |          | 2        | 1         | 2         | 5         |     | Seconds                | 2        | 1        | 1         | 2         | 6         |     |
| Sales                  |          | 3         | 1         | 2         | 6         |     | Sales                  |          | 2        | 2         | 3         | 7         |     | Sales                  |          | 2        | 4         | 1         | 7         |     |
| Culls                  | 1        | 1         | 3         | 5         | 10        | 35% | Culls                  | 1        | 1        | 5         | 3         | 10        | 38% | Culls                  |          | 1        | 3         | 4         | 8         | 43% |
| <b>WANG 130816</b>     | <b>2</b> | <b>0</b>  | <b>6</b>  | <b>7</b>  | <b>15</b> |     | <b>WANG 130816</b>     | <b>3</b> | <b>2</b> | <b>5</b>  | <b>5</b>  | <b>15</b> |     | <b>WANG 130816</b>     | <b>3</b> | <b>2</b> | <b>5</b>  | <b>5</b>  | <b>15</b> |     |
| Tops                   | 1        |           | 2         |           | 3         |     | Tops                   | 1        | 1        |           | 1         | 3         |     | Tops                   |          | 1        |           |           | 1         | 2   |
| Seconds                |          |           |           | 2         | 2         |     | Seconds                |          | 1        | 1         |           | 2         |     | Seconds                |          |          |           |           |           | 0   |
| Sales                  | 1        |           | 2         | 2         | 5         |     | Sales                  | 1        |          | 2         | 2         | 5         |     | Sales                  | 1        |          | 3         | 2         | 6         |     |
| Culls                  |          |           | 2         | 3         | 5         | 40% | Culls                  | 1        |          | 2         | 2         | 5         | 40% | Culls                  | 2        | 1        | 2         | 2         | 7         | 33% |

| <b>P to H</b>          | Top       | Sec       | Sal        | Cul        | T          | %   | <b>P to A6</b>         | Top       | Sec       | Sal        | Cul        | T          | %   | <b>H to A6</b>         | Top       | Sec       | Sal        | Cul        | T          | %   |
|------------------------|-----------|-----------|------------|------------|------------|-----|------------------------|-----------|-----------|------------|------------|------------|-----|------------------------|-----------|-----------|------------|------------|------------|-----|
| <b>WES POLL 110004</b> | <b>3</b>  | <b>3</b>  | <b>5</b>   | <b>3</b>   | <b>14</b>  |     | <b>WES POLL 110004</b> | <b>3</b>  | <b>2</b>  | <b>5</b>   | <b>4</b>   | <b>14</b>  |     | <b>WES POLL 110004</b> | <b>3</b>  | <b>2</b>  | <b>5</b>   | <b>5</b>   | <b>15</b>  |     |
| Tops                   | 1         | 2         |            |            | 3          |     | Tops                   | 1         |           |            | 2          | 3          |     | Tops                   | 1         |           | 1          | 1          | 3          |     |
| Seconds                | 1         | 1         |            | 1          | 3          |     | Seconds                | 1         | 1         | 1          |            | 3          |     | Seconds                | 1         | 1         |            | 1          | 3          |     |
| Sales                  | 1         |           | 3          |            | 4          |     | Sales                  |           | 1         | 2          | 1          | 4          |     | Sales                  | 1         | 1         | 2          | 1          | 5          |     |
| Culls                  |           |           | 2          | 2          | 4          | 50% | Culls                  | 1         |           | 2          | 1          | 4          | 36% | Culls                  |           |           | 2          | 2          | 4          | 40% |
| <b>WILGUN 121224</b>   | <b>3</b>  | <b>6</b>  | <b>8</b>   | <b>9</b>   | <b>26</b>  |     | <b>WILGUN 121224</b>   | <b>3</b>  | <b>6</b>  | <b>8</b>   | <b>9</b>   | <b>26</b>  |     | <b>WILGUN 121224</b>   | <b>3</b>  | <b>6</b>  | <b>8</b>   | <b>9</b>   | <b>26</b>  |     |
| Tops                   |           | 1         | 1          | 1          | 3          |     | Tops                   |           | 1         | 1          | 1          | 3          |     | Tops                   | 1         | 1         | 1          |            | 3          |     |
| Seconds                |           | 2         | 1          | 3          | 6          |     | Seconds                | 2         | 1         | 1          | 2          | 6          |     | Seconds                | 1         | 3         | 1          | 1          | 6          |     |
| Sales                  | 1         | 1         | 4          | 2          | 8          |     | Sales                  | 1         | 2         | 1          | 4          | 8          |     | Sales                  |           | 2         | 4          | 2          | 8          |     |
| Culls                  | 2         | 2         | 2          | 3          | 9          | 35% | Culls                  |           | 2         | 5          | 2          | 9          | 15% | Culls                  | 1         |           | 2          | 6          | 9          | 54% |
| <b>WILLAN 140030</b>   | <b>2</b>  | <b>7</b>  | <b>9</b>   | <b>9</b>   | <b>27</b>  |     | <b>WILLAN 140030</b>   | <b>3</b>  | <b>5</b>  | <b>10</b>  | <b>9</b>   | <b>27</b>  |     | <b>WILLAN 140030</b>   | <b>3</b>  | <b>5</b>  | <b>10</b>  | <b>9</b>   | <b>27</b>  |     |
| Tops                   | 1         | 1         | 1          |            | 3          |     | Tops                   |           | 1         | 2          |            | 3          |     | Tops                   |           | 2         |            |            | 2          |     |
| Seconds                |           | 4         | 3          | 1          | 8          |     | Seconds                | 2         | 1         | 2          | 3          | 8          |     | Seconds                | 1         | 1         | 3          | 2          | 7          |     |
| Sales                  |           |           | 4          | 2          | 6          |     | Sales                  | 1         | 2         | 1          | 2          | 6          |     | Sales                  | 1         | 2         | 3          | 3          | 9          |     |
| Culls                  | 1         | 2         | 1          | 6          | 10         | 56% | Culls                  |           | 1         | 5          | 4          | 10         | 22% | Culls                  | 1         |           | 4          | 4          | 9          | 30% |
| <b>Total</b>           | <b>34</b> | <b>76</b> | <b>102</b> | <b>117</b> | <b>329</b> |     | <b>Total</b>           | <b>45</b> | <b>59</b> | <b>103</b> | <b>105</b> | <b>333</b> |     | <b>Total</b>           | <b>44</b> | <b>65</b> | <b>109</b> | <b>113</b> | <b>331</b> |     |

Macquarie 2017 Drop – Wells Classer Trial – Chris Bowman Measured LIFETIME Performance by Grade at P, H and A6 (Drop Level)

|                    | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>Tops</b>        | 33  | 4.3        | 19.5        | 102        | 46        | 66        | 25        | 5.9        | 97         | 33  | 4.6        | 19.2        | 101        | 46        | 68        | 25        | 5.6        | 104        | 46   | 4.6        | 19.5        | 102        | 46        | 66        | 25        | 5.7        | 107        |
| <b>Seconds</b>     | 80  | 4.3        | 19.7        | 101        | 46        | 65        | 25        | 5.6        | 99         | 82  | 4.4        | 19.5        | 102        | 45        | 65        | 25        | 5.7        | 101        | 66   | 4.3        | 19.5        | 101        | 46        | 65        | 25        | 5.7        | 100        |
| <b>Sales</b>       | 107   | 4.3        | 19.6        | 100        | 45        | 62        | 24        | 5.7        | 101        | 96  | 4.1        | 19.3        | 101        | 45        | 63        | 25        | 5.9        | 101        | 108  | 4.2        | 19.6        | 101        | 45        | 62        | 24        | 5.5        | 98         |
| <b>Culls</b>       | 113   | 4.0        | 19.1        | 99         | 44        | 62        | 24        | 5.6        | 101        | 120   | 4.0        | 19.6        | 98         | 44        | 59        | 24        | 5.4        | 98         | 115  | 4.0        | 19.2        | 99         | 44        | 61        | 24        | 5.8        | 99         |
| <b>Total / Ave</b> | <b>333</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>331</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>335</b>   | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

Change in Grade over time

|              |              | Hogget    |           |           |            |            |
|--------------|--------------|-----------|-----------|-----------|------------|------------|
| Post Weaning | Grade        | Top       | Seconds   | Sale      | Cull       | Total      |
|              | Top          | 7         | 16        | 7         | 3          | 33         |
|              | Seconds      | 16        | 28        | 21        | 15         | 80         |
|              | Sales        | 6         | 23        | 35        | 40         | 104        |
|              | Culls        | 4         | 15        | 33        | 60         | 112        |
|              | <b>Total</b> | <b>33</b> | <b>82</b> | <b>96</b> | <b>118</b> | <b>329</b> |

40% stayed the same

|              |              | Adult 6   |           |            |            |            |
|--------------|--------------|-----------|-----------|------------|------------|------------|
| Post Weaning | Grade        | Top       | Seconds   | Sale       | Cull       | Total      |
|              | Top          | 1         | 12        | 9          | 11         | 33         |
|              | Seconds      | 15        | 19        | 24         | 22         | 80         |
|              | Sales        | 14        | 21        | 33         | 39         | 107        |
|              | Culls        | 16        | 14        | 42         | 41         | 113        |
|              | <b>Total</b> | <b>46</b> | <b>66</b> | <b>108</b> | <b>113</b> | <b>333</b> |

28% stayed the same

|        |              | Adult 6   |           |            |            |            |
|--------|--------------|-----------|-----------|------------|------------|------------|
| Hogget | Grade        | Top       | Seconds   | Sale       | Cull       | Total      |
|        | Top          | 9         | 11        | 7          | 6          | 33         |
|        | Seconds      | 17        | 19        | 23         | 23         | 82         |
|        | Sales        | 12        | 18        | 35         | 31         | 96         |
|        | Culls        | 7         | 16        | 42         | 55         | 120        |
|        | <b>Total</b> | <b>45</b> | <b>64</b> | <b>107</b> | <b>115</b> | <b>331</b> |

36% stayed the same

Yellow = classed same grade

Red = classed one grade away

Macquarie 2017 Drop – Wells Classer Trial – Chris Bowman Measured LIFETIME Performance by Grade at Post Weaning, Hogget and Adult 6 (By Sire)

| Sire                   | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>CEP POLL 707115</b> | <b>20</b>   | <b>3.7</b> | <b>18.8</b> | <b>102</b> | <b>42</b> | <b>61</b> | <b>25</b> | <b>6.3</b> | <b>92</b>  | <b>19</b>   | <b>3.7</b> | <b>18.8</b> | <b>102</b> | <b>42</b> | <b>61</b> | <b>25</b> | <b>6.3</b> | <b>92</b>  | <b>20</b>  | <b>3.7</b> | <b>18.8</b> | <b>102</b> | <b>42</b> | <b>61</b> | <b>25</b> | <b>6.3</b> | <b>92</b>  |
| Tops                   | 1   | 3.3        | 18.8        | 109        | 51        | 56        | 25        | 7.0        | 85         | 2   | 4.4        | 19.5        | 100        | 45        | 63        | 26        | 6.5        | 92         | 3  | 4.4        | 18.8        | 101        | 44        | 65        | 27        | 3.7        | 95         |
| Seconds                | 5   | 4.1        | 19.8        | 103        | 43        | 62        | 26        | 7.0        | 88         | 6   | 3.5        | 18.9        | 103        | 43        | 60        | 25        | 6.5        | 86         | 4  | 4.0        | 19.1        | 102        | 44        | 65        | 26        | 6.0        | 92         |
| Sales                  | 6   | 4.1        | 18.7        | 102        | 45        | 61        | 25        | 5.2        | 96         | 4   | 4.1        | 20.9        | 105        | 45        | 62        | 26        | 7.5        | 94         | 6  | 3.5        | 18.9        | 101        | 41        | 59        | 25        | 6.2        | 87         |
| Culls                  | 8   | 3.2        | 18.3        | 100        | 39        | 61        | 25        | 6.5        | 92         | 7   | 3.1        | 17.3        | 100        | 39        | 61        | 25        | 5.7        | 94         | 7  | 3.4        | 18.6        | 103        | 42        | 60        | 25        | 7.6        | 95         |
| <b>COLL 130545</b>     | <b>16</b>   | <b>4.5</b> | <b>20.2</b> | <b>99</b>  | <b>47</b> | <b>60</b> | <b>24</b> | <b>5.9</b> | <b>108</b> | <b>16</b>   | <b>4.5</b> | <b>20.2</b> | <b>99</b>  | <b>47</b> | <b>60</b> | <b>24</b> | <b>5.9</b> | <b>108</b> | <b>16</b>  | <b>4.5</b> | <b>20.2</b> | <b>99</b>  | <b>47</b> | <b>60</b> | <b>24</b> | <b>5.9</b> | <b>108</b> |
| Tops                   | 1   | 4.9        | 22.6        | 94         | 50        | 55        | 23        | 7.0        | 95         | 1   | 5.1        | 20.2        | 113        | 52        | 70        | 25        | 5.0        | 123        | 3  | 4.9        | 20.0        | 101        | 47        | 61        | 25        | 8.0        | 117        |
| Seconds                | 3   | 4.3        | 20.4        | 102        | 47        | 66        | 26        | 4.0        | 98         | 3   | 4.8        | 20.4        | 99         | 45        | 63        | 25        | 6.7        | 107        | 3  | 4.5        | 20.2        | 100        | 49        | 69        | 26        | 4.3        | 105        |
| Sales                  | 7   | 4.6        | 20.0        | 101        | 47        | 61        | 24        | 6.9        | 113        | 5   | 4.7        | 19.9        | 99         | 47        | 61        | 24        | 6.8        | 112        | 6  | 4.6        | 20.1        | 101        | 47        | 56        | 24        | 5.8        | 110        |
| Culls                  | 5   | 4.5        | 20.0        | 97         | 47        | 56        | 24        | 5.6        | 109        | 7   | 4.1        | 20.4        | 97         | 47        | 56        | 24        | 5.1        | 103        | 4  | 4.1        | 20.7        | 96         | 47        | 59        | 24        | 5.8        | 99         |
| <b>DARR 130941</b>     | <b>12</b>   | <b>4.6</b> | <b>19.8</b> | <b>98</b>  | <b>48</b> | <b>59</b> | <b>24</b> | <b>6.3</b> | <b>117</b> | <b>12</b>   | <b>4.6</b> | <b>19.8</b> | <b>98</b>  | <b>48</b> | <b>59</b> | <b>24</b> | <b>6.3</b> | <b>117</b> | <b>12</b>  | <b>4.6</b> | <b>19.8</b> | <b>98</b>  | <b>48</b> | <b>59</b> | <b>24</b> | <b>6.3</b> | <b>117</b> |
| Tops                   |   |            |             |            |           |           |           |            |            | 1   | 3.4        | 19.8        | 97         | 50        | 62        | 25        | 5.0        | 105        | 3  | 4.7        | 20.7        | 101        | 48        | 65        | 25        | 6.7        | 116        |
| Seconds                | 4   | 4.6        | 19.6        | 99         | 46        | 63        | 24        | 5.8        | 111        | 2   | 4.3        | 17.8        | 93         | 41        | 61        | 24        | 6.5        | 122        | 1  | 3.9        | 19.2        | 103        | 51        | 55        | 23        | 7.0        | 117        |
| Sales                  | 4   | 4.7        | 20.6        | 98         | 52        | 56        | 24        | 5.8        | 112        | 4   | 4.5        | 20.3        | 102        | 49        | 62        | 24        | 6.8        | 116        | 4  | 4.3        | 19.3        | 97         | 47        | 59        | 24        | 6.0        | 117        |
| Culls                  | 4   | 4.6        | 19.1        | 96         | 44        | 60        | 24        | 7.3        | 128        | 5   | 5.1        | 20.1        | 97         | 49        | 56        | 23        | 6.0        | 118        | 4  | 5.0        | 19.7        | 95         | 47        | 57        | 24        | 6.0        | 118        |
| <b>G.RASS P47</b>      | <b>33</b>   | <b>4.2</b> | <b>20.3</b> | <b>99</b>  | <b>46</b> | <b>63</b> | <b>26</b> | <b>5.8</b> | <b>104</b> | <b>33</b>   | <b>4.2</b> | <b>20.3</b> | <b>99</b>  | <b>46</b> | <b>63</b> | <b>26</b> | <b>5.8</b> | <b>104</b> | <b>33</b>  | <b>4.2</b> | <b>20.3</b> | <b>99</b>  | <b>46</b> | <b>63</b> | <b>26</b> | <b>5.8</b> | <b>104</b> |
| Tops                   | 3   | 3.8        | 18.8        | 98         | 44        | 65        | 27        | 5.7        | 100        | 3   | 5.1        | 20.8        | 102        | 52        | 66        | 25        | 5.7        | 111        | 4  | 4.5        | 19.2        | 101        | 50        | 67        | 26        | 6.5        | 114        |
| Seconds                | 9   | 4.4        | 21.1        | 102        | 48        | 65        | 26        | 5.6        | 101        | 7   | 4.3        | 20.2        | 99         | 46        | 66        | 26        | 4.6        | 104        | 8  | 4.3        | 20.5        | 100        | 44        | 61        | 26        | 4.9        | 102        |
| Sales                  | 9   | 4.4        | 20.5        | 98         | 48        | 62        | 26        | 6.3        | 108        | 11  | 4.1        | 20.0        | 99         | 46        | 62        | 26        | 7.0        | 105        | 10   | 4.2        | 20.4        | 99         | 47        | 65        | 27        | 6.5        | 103        |
| Culls                  | 12  | 4.1        | 20.0        | 97         | 43        | 63        | 25        | 5.8        | 103        | 12  | 4.1        | 20.5        | 98         | 44        | 62        | 26        | 5.6        | 101        | 11   | 4.1        | 20.6        | 98         | 45        | 62        | 25        | 5.7        | 102        |
| <b>GUL 120018</b>      | <b>24</b>   | <b>4.4</b> | <b>19.4</b> | <b>103</b> | <b>44</b> | <b>63</b> | <b>23</b> | <b>5.3</b> | <b>96</b>  | <b>24</b>   | <b>4.4</b> | <b>19.4</b> | <b>103</b> | <b>44</b> | <b>63</b> | <b>23</b> | <b>5.3</b> | <b>96</b>  | <b>24</b>  | <b>4.4</b> | <b>19.4</b> | <b>103</b> | <b>44</b> | <b>63</b> | <b>23</b> | <b>5.3</b> | <b>96</b>  |
| Tops                   | 2   | 4.1        | 19.7        | 101        | 39        | 63        | 25        | 6.0        | 85         | 3   | 4.9        | 19.1        | 104        | 45        | 64        | 23        | 5.0        | 101        | 3  | 5.2        | 19.8        | 107        | 43        | 61        | 23        | 5.0        | 103        |
| Seconds                | 6   | 5.0        | 20.0        | 102        | 47        | 65        | 23        | 4.0        | 96         | 7   | 4.7        | 19.3        | 103        | 42        | 67        | 24        | 5.4        | 98         | 5  | 4.5        | 19.2        | 104        | 43        | 69        | 24        | 6.2        | 98         |
| Sales                  | 8   | 4.2        | 19.2        | 102        | 43        | 60        | 23        | 6.6        | 99         | 6   | 4.3        | 19.6        | 104        | 46        | 65        | 24        | 4.7        | 93         | 8  | 4.4        | 19.4        | 102        | 46        | 62        | 23        | 6.1        | 99         |
| Culls                  | 8   | 4.3        | 19.1        | 104        | 43        | 65        | 24        | 4.9        | 95         | 8   | 4.1        | 19.4        | 101        | 42        | 57        | 22        | 5.9        | 94         | 8  | 4.2        | 19.2        | 101        | 42        | 61        | 23        | 4.1        | 89         |
| <b>HAZ 13.4936</b>     | <b>25</b>   | <b>4.4</b> | <b>18.7</b> | <b>98</b>  | <b>44</b> | <b>61</b> | <b>23</b> | <b>6.2</b> | <b>111</b> | <b>25</b>   | <b>4.4</b> | <b>18.7</b> | <b>98</b>  | <b>44</b> | <b>61</b> | <b>23</b> | <b>6.2</b> | <b>111</b> | <b>26</b>  | <b>4.4</b> | <b>18.7</b> | <b>98</b>  | <b>44</b> | <b>61</b> | <b>23</b> | <b>6.2</b> | <b>111</b> |
| Tops                   | 2   | 4.9        | 21.0        | 96         | 43        | 63        | 23        | 5.5        | 106        | 2   | 4.5        | 17.2        | 97         | 44        | 68        | 23        | 5.0        | 115        | 3  | 4.2        | 17.8        | 98         | 35        | 64        | 23        | 7.0        | 112        |
| Seconds                | 7   | 4.3        | 17.9        | 98         | 42        | 65        | 23        | 6.9        | 111        | 6   | 4.1        | 18.0        | 99         | 40        | 64        | 23        | 7.0        | 109        | 6  | 4.7        | 19.2        | 96         | 44        | 63        | 23        | 5.2        | 107        |
| Sales                  | 7   | 4.3        | 19.3        | 101        | 45        | 61        | 22        | 7.1        | 109        | 8   | 4.3        | 18.8        | 100        | 45        | 61        | 23        | 6.9        | 112        | 8  | 4.6        | 18.7        | 96         | 46        | 57        | 22        | 5.6        | 113        |
| Culls                  | 9   | 4.4        | 18.3        | 97         | 45        | 57        | 23        | 5.0        | 113        | 9   | 4.6        | 19.3        | 96         | 44        | 58        | 22        | 5.2        | 110        | 9  | 4.0        | 18.7        | 102        | 44        | 62        | 23        | 7.1        | 110        |

| Sire                   | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            |           | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |             |            |           |           |           |            |            |           |            | Adult 6 Class Average LT Performance<br>/A6 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+        |  |  |  |
| <b>KER POLL 151911</b> | <b>19</b>   | <b>4.5</b> | <b>19.4</b> | <b>102</b> | <b>48</b> | <b>66</b> | <b>25</b> | <b>5.8</b> | <b>121</b> | <b>19</b> | <b>4.5</b>  | <b>19.4</b> | <b>102</b> | <b>48</b> | <b>66</b> | <b>25</b> | <b>5.8</b> | <b>121</b> | <b>19</b> | <b>4.5</b> | <b>19.4</b>  | <b>102</b> | <b>48</b> | <b>66</b> | <b>25</b> | <b>5.8</b> | <b>121</b> |  |  |  |
| Tops                   | 2   | 5.1        | 21.9        | 113        | 54        | 67        | 24        | 7.5        | 116        | 2         | 5.3   | 18.9        | 99         | 47        | 76        | 28        | 6.0        | 139        | 3         | 5.1        | 19.0   | 98         | 48        | 71        | 26        | 6.0        | 132        |  |  |  |
| Seconds                | 6   | 4.9        | 19.6        | 101        | 47        | 69        | 26        | 5.7        | 129        | 4         | 5.0   | 21.0        | 108        | 50        | 65        | 24        | 7.5        | 125        | 3         | 4.9        | 20.3   | 105        | 50        | 69        | 25        | 5.7        | 125        |  |  |  |
| Sales                  | 5   | 4.5        | 19.1        | 99         | 49        | 66        | 26        | 5.6        | 121        | 6         | 4.2   | 18.7        | 101        | 48        | 71        | 27        | 5.3        | 120        | 6         | 4.0        | 19.6   | 104        | 49        | 66        | 26        | 5.5        | 114        |  |  |  |
| Culls                  | 6   | 4.0        | 18.5        | 101        | 47        | 62        | 25        | 5.5        | 116        | 7         | 4.4   | 19.1        | 100        | 48        | 58        | 23        | 5.1        | 116        | 7         | 4.6        | 18.8   | 100        | 47        | 62        | 24        | 6.0        | 121        |  |  |  |
| <b>MOOJ 120652</b>     | <b>33</b>   | <b>3.6</b> | <b>19.5</b> | <b>106</b> | <b>43</b> | <b>63</b> | <b>27</b> | <b>6.6</b> | <b>84</b>  | <b>33</b> | <b>3.6</b>  | <b>19.5</b> | <b>106</b> | <b>43</b> | <b>63</b> | <b>27</b> | <b>6.6</b> | <b>84</b>  | <b>33</b> | <b>3.6</b> | <b>19.5</b>  | <b>106</b> | <b>43</b> | <b>63</b> | <b>27</b> | <b>6.6</b> | <b>84</b>  |  |  |  |
| Tops                   | 3   | 3.5        | 18.6        | 105        | 40        | 73        | 29        | 5.7        | 76         | 2         | 3.8   | 18.8        | 107        | 42        | 78        | 30        | 6.5        | 80         | 3         | 3.9        | 19.1   | 113        | 43        | 64        | 27        | 8.0        | 94         |  |  |  |
| Seconds                | 7   | 3.5        | 19.4        | 105        | 43        | 68        | 28        | 8.3        | 82         | 11        | 3.9   | 19.7        | 109        | 46        | 65        | 27        | 6.1        | 88         | 7         | 3.7        | 19.9   | 103        | 45        | 65        | 28        | 6.7        | 85         |  |  |  |
| Sales                  | 10  | 3.7        | 19.5        | 107        | 44        | 62        | 27        | 6.2        | 86         | 8         | 3.4   | 19.0        | 104        | 41        | 65        | 27        | 8.3        | 85         | 10        | 3.6        | 19.6   | 107        | 41        | 64        | 27        | 5.8        | 77         |  |  |  |
| Culls                  | 13  | 3.6        | 19.7        | 106        | 43        | 59        | 26        | 6.2        | 85         | 12        | 3.3   | 19.7        | 104        | 42        | 58        | 27        | 6.0        | 80         | 13        | 3.4        | 19.2   | 105        | 44        | 62        | 27        | 6.8        | 87         |  |  |  |
| <b>MUMBLE 151367</b>   | <b>21</b>   | <b>3.7</b> | <b>19.1</b> | <b>106</b> | <b>42</b> | <b>62</b> | <b>25</b> | <b>4.7</b> | <b>76</b>  | <b>20</b> | <b>3.7</b>  | <b>19.1</b> | <b>106</b> | <b>42</b> | <b>62</b> | <b>25</b> | <b>4.7</b> | <b>76</b>  | <b>21</b> | <b>3.7</b> | <b>19.1</b>  | <b>106</b> | <b>42</b> | <b>62</b> | <b>25</b> | <b>4.7</b> | <b>76</b>  |  |  |  |
| Tops                   | 3   | 3.7        | 18.9        | 110        | 42        | 64        | 25        | 4.7        | 73         | 3         | 4.4   | 20.0        | 109        | 43        | 64        | 25        | 7.0        | 81         | 3         | 4.2        | 20.2   | 110        | 44        | 63        | 24        | 5.7        | 78         |  |  |  |
| Seconds                | 5   | 3.7        | 20.2        | 103        | 44        | 66        | 25        | 4.8        | 70         | 2         | 4.1   | 19.9        | 100        | 44        | 69        | 26        | 4.0        | 79         | 4         | 3.5        | 18.0   | 109        | 39        | 64        | 25        | 5.8        | 77         |  |  |  |
| Sales                  | 5   | 3.8        | 19.2        | 112        | 42        | 61        | 26        | 5.8        | 78         | 8         | 3.4   | 18.4        | 109        | 40        | 64        | 25        | 4.4        | 76         | 7         | 3.8        | 19.8   | 106        | 43        | 61        | 25        | 4.7        | 75         |  |  |  |
| Culls                  | 8   | 3.5        | 18.6        | 104        | 42        | 59        | 24        | 4.0        | 79         | 7         | 3.5   | 19.7        | 103        | 44        | 58        | 23        | 3.9        | 72         | 7         | 3.4        | 18.7   | 104        | 43        | 62        | 24        | 3.7        | 75         |  |  |  |
| <b>RP 132933</b>       | <b>24</b>   | <b>4.4</b> | <b>19.5</b> | <b>96</b>  | <b>47</b> | <b>63</b> | <b>22</b> | <b>5.4</b> | <b>99</b>  | <b>24</b> | <b>4.4</b>  | <b>19.5</b> | <b>96</b>  | <b>47</b> | <b>63</b> | <b>22</b> | <b>5.4</b> | <b>99</b>  | <b>24</b> | <b>4.4</b> | <b>19.5</b>  | <b>96</b>  | <b>47</b> | <b>63</b> | <b>22</b> | <b>5.4</b> | <b>99</b>  |  |  |  |
| Tops                   | 3   | 4.8        | 19.4        | 100        | 53        | 69        | 23        | 6.3        | 108        | 3         | 5.1   | 19.5        | 100        | 51        | 70        | 24        | 4.7        | 104        | 3         | 4.7        | 19.5   | 102        | 51        | 63        | 22        | 3.7        | 102        |  |  |  |
| Seconds                | 6   | 4.3        | 18.9        | 99         | 46        | 62        | 22        | 5.3        | 97         | 7         | 4.6   | 19.4        | 100        | 48        | 66        | 23        | 4.9        | 102        | 5         | 4.7        | 19.5   | 96         | 51        | 68        | 22        | 7.2        | 105        |  |  |  |
| Sales                  | 8   | 4.4        | 19.7        | 94         | 46        | 63        | 23        | 4.6        | 94         | 7         | 3.9   | 18.3        | 96         | 43        | 60        | 21        | 5.7        | 94         | 8         | 4.3        | 19.5   | 98         | 48        | 61        | 22        | 4.6        | 96         |  |  |  |
| Culls                  | 7   | 4.1        | 19.6        | 95         | 46        | 63        | 22        | 6.0        | 102        | 7         | 4.3   | 20.7        | 92         | 49        | 61        | 22        | 6.0        | 97         | 8         | 4.1        | 19.5   | 93         | 42        | 63        | 22        | 5.8        | 96         |  |  |  |
| <b>TV POLL 140477</b>  | <b>24</b>   | <b>3.8</b> | <b>19.9</b> | <b>103</b> | <b>43</b> | <b>67</b> | <b>25</b> | <b>5.6</b> | <b>94</b>  | <b>23</b> | <b>3.8</b>  | <b>19.9</b> | <b>103</b> | <b>43</b> | <b>67</b> | <b>25</b> | <b>5.6</b> | <b>94</b>  | <b>24</b> | <b>3.8</b> | <b>19.9</b>  | <b>103</b> | <b>43</b> | <b>67</b> | <b>25</b> | <b>5.6</b> | <b>94</b>  |  |  |  |
| Tops                   | 2   | 4.1        | 19.5        | 103        | 44        | 64        | 24        | 5.5        | 91         | 2         | 4.4   | 18.8        | 102        | 45        | 71        | 25        | 5.5        | 113        | 3         | 4.1        | 18.3   | 103        | 47        | 73        | 27        | 6.7        | 118        |  |  |  |
| Seconds                | 4   | 3.7        | 20.0        | 103        | 45        | 69        | 25        | 4.5        | 89         | 5         | 3.9   | 19.9        | 106        | 45        | 69        | 25        | 5.8        | 95         | 5         | 3.7        | 19.7   | 102        | 42        | 67        | 25        | 6.2        | 95         |  |  |  |
| Sales                  | 8   | 4.1        | 21.2        | 108        | 42        | 63        | 25        | 6.0        | 90         | 6         | 4.1   | 20.1        | 102        | 44        | 67        | 25        | 6.0        | 99         | 8         | 4.1        | 20.8   | 104        | 44        | 66        | 24        | 5.3        | 95         |  |  |  |
| Culls                  | 10  | 3.5        | 19.0        | 99         | 43        | 70        | 26        | 5.8        | 100        | 10        | 3.4   | 20.0        | 101        | 41        | 65        | 25        | 5.1        | 87         | 8         | 3.3        | 19.8   | 102        | 41        | 65        | 26        | 5.3        | 85         |  |  |  |
| <b>WANG 130816</b>     | <b>15</b>   | <b>4.7</b> | <b>20.3</b> | <b>101</b> | <b>48</b> | <b>65</b> | <b>25</b> | <b>4.5</b> | <b>99</b>  | <b>15</b> | <b>4.7</b>  | <b>20.3</b> | <b>101</b> | <b>48</b> | <b>65</b> | <b>25</b> | <b>4.5</b> | <b>99</b>  | <b>15</b> | <b>4.7</b> | <b>20.3</b>  | <b>101</b> | <b>48</b> | <b>65</b> | <b>25</b> | <b>4.5</b> | <b>99</b>  |  |  |  |
| Tops                   | 3   | 4.8        | 20.1        | 102        | 54        | 68        | 26        | 5.0        | 104        | 2         | 4.6   | 19.6        | 98         | 49        | 66        | 25        | 6.0        | 103        | 3         | 5.5        | 22.0   | 95         | 48        | 74        | 25        | 4.7        | 102        |  |  |  |
| Seconds                | 2   | 4.2        | 19.1        | 106        | 44        | 65        | 27        | 2.5        | 92         | 3         | 4.9   | 20.9        | 99         | 47        | 72        | 26        | 4.7        | 98         | 2         | 4.8        | 21.0   | 102        | 54        | 64        | 25        | 5.5        | 105        |  |  |  |
| Sales                  | 6   | 5.0        | 21.4        | 95         | 48        | 68        | 25        | 4.8        | 100        | 5         | 4.5   | 19.7        | 102        | 48        | 63        | 25        | 3.8        | 97         | 5         | 4.3        | 20.6   | 102        | 45        | 64        | 24        | 4.6        | 94         |  |  |  |
| Culls                  | 4   | 4.4        | 19.4        | 105        | 45        | 57        | 23        | 4.5        | 97         | 5         | 4.8   | 20.7        | 102        | 47        | 61        | 23        | 4.4        | 100        | 5         | 4.5        | 18.7   | 102        | 47        | 60        | 24        | 3.8        | 101        |  |  |  |

| Sire                   | Post Weaning Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Hogget Class Average LT Performance<br>/A6 MP+ Index by Grade |            |             |            |           |           |           |            |            | Adult 6 Class Average LT Performance<br>/A6 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+        |
| <b>WES POLL 110004</b> | <b>14</b>   | <b>4.2</b> | <b>18.5</b> | <b>98</b>  | <b>44</b> | <b>62</b> | <b>24</b> | <b>5.3</b> | <b>99</b>  | <b>15</b>   | <b>4.2</b> | <b>18.5</b> | <b>98</b>  | <b>44</b> | <b>62</b> | <b>24</b> | <b>5.3</b> | <b>99</b>  | <b>15</b>  | <b>4.2</b> | <b>18.5</b> | <b>98</b>  | <b>44</b> | <b>62</b> | <b>24</b> | <b>5.3</b> | <b>99</b>  |
| Tops                   | 3   | 3.7        | 17.5        | 96         | 38        | 67        | 24        | 8.0        | 104        | 3   | 4.4        | 18.4        | 93         | 41        | 66        | 24        | 6.0        | 104        | 3  | 4.3        | 18.8        | 99         | 44        | 65        | 24        | 6.0        | 91         |
| Seconds                | 3   | 4.9        | 19.3        | 99         | 45        | 65        | 24        | 4.3        | 93         | 3   | 4.3        | 18.8        | 99         | 44        | 65        | 24        | 6.0        | 91         | 1  | 5.4        | 19.6        | 94         | 47        | 68        | 26        | 2.0        | 96         |
| Sales                  | 4   | 4.3        | 18.3        | 98         | 47        | 57        | 24        | 4.5        | 103        | 4   | 4.4        | 18.7        | 105        | 47        | 66        | 23        | 4.0        | 104        | 5  | 4.4        | 19.1        | 100        | 46        | 59        | 23        | 5.2        | 104        |
| Culls                  | 4   | 4.3        | 19.3        | 100        | 46        | 63        | 24        | 5.0        | 100        | 5   | 3.9        | 18.3        | 94         | 44        | 56        | 24        | 5.6        | 98         | 6  | 3.9        | 17.8        | 96         | 42        | 63        | 24        | 5.7        | 100        |
| <b>WILGUN 121224</b>   | <b>26</b>   | <b>4.2</b> | <b>19.1</b> | <b>95</b>  | <b>47</b> | <b>62</b> | <b>23</b> | <b>5.8</b> | <b>106</b> | <b>26</b>   | <b>4.2</b> | <b>19.1</b> | <b>95</b>  | <b>47</b> | <b>62</b> | <b>23</b> | <b>5.8</b> | <b>106</b> | <b>26</b>  | <b>4.2</b> | <b>19.1</b> | <b>95</b>  | <b>47</b> | <b>62</b> | <b>23</b> | <b>5.8</b> | <b>106</b> |
| Tops                   | 2   | 4.6        | 20.1        | 101        | 49        | 65        | 24        | 7.5        | 104        | 2   | 4.8        | 18.4        | 94         | 52        | 63        | 24        | 4.0        | 114        | 3  | 4.6        | 19.1        | 103        | 52        | 66        | 24        | 3.7        | 109        |
| Seconds                | 7   | 4.5        | 19.5        | 96         | 50        | 61        | 23        | 7.3        | 108        | 7   | 4.3        | 19.7        | 99         | 48        | 63        | 23        | 7.3        | 107        | 6  | 4.5        | 19.9        | 96         | 48        | 62        | 22        | 6.0        | 107        |
| Sales                  | 9   | 4.1        | 19.0        | 94         | 45        | 60        | 22        | 4.8        | 104        | 7   | 4.2        | 18.8        | 96         | 48        | 63        | 22        | 5.1        | 106        | 8  | 3.8        | 18.5        | 92         | 46        | 63        | 23        | 6.0        | 103        |
| Culls                  | 8   | 3.9        | 18.6        | 94         | 44        | 63        | 23        | 5.4        | 107        | 10  | 3.9        | 19.0        | 92         | 44        | 60        | 23        | 5.7        | 104        | 9  | 4.2        | 19.1        | 95         | 44        | 58        | 22        | 6.3        | 107        |
| <b>WILLAN 140030</b>   | <b>27</b>   | <b>4.6</b> | <b>19.1</b> | <b>97</b>  | <b>44</b> | <b>63</b> | <b>24</b> | <b>5.0</b> | <b>107</b> | <b>27</b>   | <b>4.6</b> | <b>19.1</b> | <b>97</b>  | <b>44</b> | <b>63</b> | <b>24</b> | <b>5.0</b> | <b>107</b> | <b>27</b>  | <b>4.6</b> | <b>19.1</b> | <b>97</b>  | <b>44</b> | <b>63</b> | <b>24</b> | <b>5.0</b> | <b>107</b> |
| Tops                   | 3   | 5.0        | 19.7        | 100        | 44        | 70        | 24        | 4.0        | 104        | 2   | 4.4        | 19.0        | 100        | 38        | 71        | 26        | 5.5        | 98         | 3  | 5.1        | 19.6        | 99         | 47        | 63        | 24        | 4.3        | 114        |
| Seconds                | 6   | 4.9        | 20.6        | 103        | 46        | 64        | 24        | 3.8        | 96         | 9   | 5.1        | 19.3        | 101        | 46        | 66        | 24        | 4.0        | 110        | 6  | 4.5        | 17.9        | 98         | 46        | 64        | 25        | 5.2        | 109        |
| Sales                  | 11  | 4.6        | 18.3        | 98         | 46        | 61        | 25        | 4.7        | 114        | 7   | 4.5        | 18.9        | 101        | 47        | 60        | 25        | 5.7        | 107        | 9  | 4.7        | 20.0        | 101        | 45        | 64        | 24        | 4.7        | 102        |
| Culls                  | 7   | 4.3        | 18.7        | 91         | 39        | 61        | 24        | 6.7        | 107        | 9   | 4.3        | 18.9        | 91         | 41        | 60        | 24        | 5.2        | 106        | 9  | 4.4        | 18.7        | 93         | 40        | 60        | 24        | 5.3        | 109        |
| <b>Total</b>           | <b>333</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>331</b>  | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> | <b>335</b>   | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

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

| P to H                 | Top      | Sec      | Sal       | Cul       | T         | %   | P to A6                | Top      | Sec      | Sal       | Cul       | T         | %   | H to A6                | Top      | Sec      | Sal       | Cul       | T         | %   |
|------------------------|----------|----------|-----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|
| <b>CEP POLL 707115</b> | <b>2</b> | <b>6</b> | <b>4</b>  | <b>7</b>  | <b>19</b> |     | <b>CEP POLL 707115</b> | <b>3</b> | <b>4</b> | <b>6</b>  | <b>7</b>  | <b>20</b> |     | <b>CEP POLL 707115</b> | <b>2</b> | <b>4</b> | <b>6</b>  | <b>7</b>  | <b>19</b> |     |
| Tops                   |          | 1        |           |           | 1         |     | Tops                   |          |          |           | 1         | 1         |     | Tops                   |          | 2        |           |           | 2         |     |
| Seconds                | 2        | 2        | 1         |           | 5         |     | Seconds                |          | 3        | 1         | 1         | 5         |     | Seconds                | 2        |          | 2         | 2         | 6         |     |
| Sales                  |          | 2        | 1         | 2         | 5         |     | Sales                  | 2        | 1        | 2         | 1         | 6         |     | Sales                  |          | 1        | 1         | 2         | 4         |     |
| Culls                  |          | 1        | 2         | 5         | 8         | 40% | Culls                  | 1        |          | 3         | 4         | 8         | 45% | Culls                  |          | 1        | 3         | 3         | 7         | 21% |
| <b>COLL 130545</b>     | <b>1</b> | <b>3</b> | <b>5</b>  | <b>7</b>  | <b>16</b> |     | <b>COLL 130545</b>     | <b>3</b> | <b>3</b> | <b>6</b>  | <b>4</b>  | <b>16</b> |     | <b>COLL 130545</b>     | <b>3</b> | <b>3</b> | <b>6</b>  | <b>4</b>  | <b>16</b> |     |
| Tops                   |          |          | 1         |           | 1         |     | Tops                   |          |          |           | 1         | 1         |     | Tops                   |          | 1        |           |           | 1         |     |
| Seconds                | 1        | 1        |           | 1         | 3         |     | Seconds                |          | 2        | 1         |           | 3         |     | Seconds                | 2        |          | 1         |           | 3         |     |
| Sales                  |          | 1        | 4         | 2         | 7         |     | Sales                  | 2        | 1        | 3         | 1         | 7         |     | Sales                  |          | 1        | 2         | 2         | 5         |     |
| Culls                  |          | 1        |           | 4         | 5         | 56% | Culls                  | 1        |          | 2         | 2         | 5         | 44% | Culls                  | 1        | 1        | 3         | 2         | 7         | 25% |
| <b>DARR 130941</b>     | <b>1</b> | <b>2</b> | <b>4</b>  | <b>5</b>  | <b>12</b> |     | <b>DARR 130941</b>     | <b>3</b> | <b>1</b> | <b>4</b>  | <b>4</b>  | <b>12</b> |     | <b>DARR 130941</b>     | <b>3</b> | <b>1</b> | <b>4</b>  | <b>4</b>  | <b>12</b> |     |
| Tops                   |          |          |           |           | 0         |     | Tops                   |          |          |           |           |           |     | Tops                   |          |          | 1         |           | 1         |     |
| Seconds                |          | 1        | 2         | 1         | 4         |     | Seconds                | 2        |          | 1         | 1         | 4         |     | Seconds                |          |          |           | 2         | 2         |     |
| Sales                  | 1        |          | 1         | 2         | 4         |     | Sales                  |          | 1        | 1         | 2         | 4         |     | Sales                  | 3        | 1        |           |           | 4         |     |
| Culls                  |          | 1        | 1         | 2         | 4         | 33% | Culls                  | 1        |          | 2         | 1         | 4         | 17% | Culls                  |          |          | 3         | 2         | 5         | 17% |
| <b>G.RASS P47</b>      | <b>3</b> | <b>7</b> | <b>11</b> | <b>12</b> | <b>33</b> |     | <b>G.RASS P47</b>      | <b>4</b> | <b>8</b> | <b>10</b> | <b>11</b> | <b>33</b> |     | <b>G.RASS P47</b>      | <b>4</b> | <b>8</b> | <b>10</b> | <b>11</b> | <b>33</b> |     |
| Tops                   |          | 2        | 1         |           | 3         |     | Tops                   |          | 1        | 2         |           | 3         |     | Tops                   | 1        |          | 1         | 1         | 3         |     |
| Seconds                | 2        | 1        | 3         | 3         | 9         |     | Seconds                | 1        | 2        | 4         | 2         | 9         |     | Seconds                | 1        | 4        | 2         |           | 7         |     |
| Sales                  |          | 3        | 3         | 3         | 9         |     | Sales                  | 3        | 3        | 1         | 2         | 9         |     | Sales                  | 2        | 1        | 5         | 3         | 11        |     |
| Culls                  | 1        | 1        | 4         | 6         | 12        | 30% | Culls                  |          | 2        | 3         | 7         | 12        | 30% | Culls                  |          | 3        | 2         | 7         | 12        | 52% |
| <b>GUL 120018</b>      | <b>3</b> | <b>7</b> | <b>6</b>  | <b>8</b>  | <b>24</b> |     | <b>GUL 120018</b>      | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>GUL 120018</b>      | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     |
| Tops                   |          | 1        | 1         |           | 2         |     | Tops                   |          |          | 1         | 1         | 2         |     | Tops                   | 1        | 1        | 1         |           | 3         |     |
| Seconds                | 2        | 2        | 1         | 1         | 6         |     | Seconds                | 1        | 1        | 2         | 2         | 6         |     | Seconds                | 1        | 2        | 2         | 2         | 7         |     |
| Sales                  |          | 2        |           | 6         | 8         |     | Sales                  | 1        | 1        | 3         | 3         | 8         |     | Sales                  |          | 1        | 3         | 2         | 6         |     |
| Culls                  | 1        | 2        | 4         | 1         | 8         | 13% | Culls                  | 1        | 3        | 2         | 2         | 8         | 25% | Culls                  | 1        | 1        | 2         | 4         | 8         | 42% |
| <b>HAZ 13.4936</b>     | <b>2</b> | <b>6</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>HAZ 13.4936</b>     | <b>3</b> | <b>6</b> | <b>8</b>  | <b>8</b>  | <b>25</b> |     | <b>HAZ 13.4936</b>     | <b>3</b> | <b>6</b> | <b>7</b>  | <b>9</b>  | <b>25</b> |     |
| Tops                   |          | 1        |           | 1         | 2         |     | Tops                   |          | 1        |           | 1         | 2         |     | Tops                   |          | 1        |           | 1         | 2         |     |
| Seconds                | 2        | 3        | 2         |           | 7         |     | Seconds                | 1        | 2        | 1         | 3         | 7         |     | Seconds                | 1        | 1        | 2         | 2         | 6         |     |
| Sales                  |          | 1        | 3         | 3         | 7         |     | Sales                  | 1        | 2        | 1         | 3         | 7         |     | Sales                  | 1        | 2        | 1         | 4         | 8         |     |
| Culls                  |          | 1        | 3         | 4         | 8         | 40% | Culls                  | 1        | 1        | 6         | 1         | 9         | 16% | Culls                  | 1        | 2        | 4         | 2         | 9         | 16% |

| <b>P to H</b>          | Top      | Sec       | Sal      | Cul       | T         | %   | <b>P to A6</b>         | Top      | Sec      | Sal       | Cul       | T         | %   | <b>H to A6</b>         | Top      | Sec      | Sal       | Cul       | T         | %   |  |
|------------------------|----------|-----------|----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|------------------------|----------|----------|-----------|-----------|-----------|-----|--|
| <b>KER POLL 151911</b> | <b>2</b> | <b>4</b>  | <b>6</b> | <b>7</b>  | <b>19</b> |     | <b>KER POLL 151911</b> | <b>3</b> | <b>3</b> | <b>6</b>  | <b>7</b>  | <b>19</b> |     | <b>KER POLL 151911</b> | <b>3</b> | <b>3</b> | <b>6</b>  | <b>7</b>  | <b>19</b> |     |  |
| Tops                   |          | 2         |          |           | 2         |     | Tops                   |          | 1        |           | 1         | 2         |     | Tops                   | 2        |          |           |           | 2         |     |  |
| Seconds                | 2        | 2         | 1        | 1         | 6         |     | Seconds                | 2        | 2        | 1         | 1         | 6         |     | Seconds                |          | 2        |           |           | 2         | 4   |  |
| Sales                  |          |           | 3        | 2         | 5         |     | Sales                  |          |          | 1         | 4         | 5         |     | Sales                  |          | 1        | 3         | 2         | 6         |     |  |
| Culls                  |          |           | 2        | 4         | 6         | 47% | Culls                  | 1        |          | 4         | 1         | 6         | 21% | Culls                  | 1        |          | 3         | 3         | 7         | 53% |  |
| <b>MOOJ 120652</b>     | <b>2</b> | <b>11</b> | <b>8</b> | <b>12</b> | <b>33</b> |     | <b>MOOJ 120652</b>     | <b>3</b> | <b>7</b> | <b>10</b> | <b>13</b> | <b>33</b> |     | <b>MOOJ 120652</b>     | <b>3</b> | <b>7</b> | <b>10</b> | <b>13</b> | <b>33</b> |     |  |
| Tops                   | 2        | 1         |          |           | 3         |     | Tops                   |          | 2        | 1         |           | 3         |     | Tops                   |          | 1        | 1         |           | 2         |     |  |
| Seconds                |          | 2         | 4        | 1         | 7         |     | Seconds                | 1        | 2        | 2         | 2         | 7         |     | Seconds                | 2        | 4        | 1         | 4         | 11        |     |  |
| Sales                  |          | 5         | 3        | 2         | 10        |     | Sales                  |          | 1        | 5         | 4         | 10        |     | Sales                  | 1        |          | 4         | 3         | 8         |     |  |
| Culls                  |          | 3         | 1        | 9         | 13        | 48% | Culls                  | 2        | 2        | 2         | 7         | 13        | 42% | Culls                  |          | 2        | 4         | 6         | 12        | 42% |  |
| <b>MUMBLE 151367</b>   | <b>3</b> | <b>2</b>  | <b>8</b> | <b>7</b>  | <b>20</b> |     | <b>MUMBLE 151367</b>   | <b>3</b> | <b>4</b> | <b>7</b>  | <b>7</b>  | <b>21</b> |     | <b>MUMBLE 151367</b>   | <b>3</b> | <b>3</b> | <b>7</b>  | <b>7</b>  | <b>20</b> |     |  |
| Tops                   | 1        |           | 1        | 1         | 3         |     | Tops                   |          | 2        |           | 1         | 3         |     | Tops                   | 1        | 1        | 1         |           | 3         |     |  |
| Seconds                | 1        | 1         | 1        | 2         | 5         |     | Seconds                | 2        |          | 2         | 1         | 5         |     | Seconds                | 1        |          | 1         |           | 2         |     |  |
| Sales                  | 1        |           | 2        | 1         | 4         |     | Sales                  |          | 1        | 3         | 1         | 5         |     | Sales                  | 1        | 2        | 2         | 3         | 8         |     |  |
| Culls                  |          | 1         | 4        | 3         | 8         | 33% | Culls                  | 1        | 1        | 2         | 4         | 8         | 33% | Culls                  |          |          | 3         | 4         | 7         | 35% |  |
| <b>RP 132933</b>       | <b>3</b> | <b>7</b>  | <b>7</b> | <b>7</b>  | <b>24</b> |     | <b>RP 132933</b>       | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>RP 132933</b>       | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     |  |
| Tops                   | 1        | 2         |          |           | 3         |     | Tops                   | 1        | 2        |           |           | 3         |     | Tops                   | 1        | 1        |           | 1         | 3         |     |  |
| Seconds                |          | 3         | 3        |           | 6         |     | Seconds                | 1        | 1        | 2         | 2         | 6         |     | Seconds                | 2        | 1        | 3         | 1         | 7         |     |  |
| Sales                  | 1        | 1         | 3        | 3         | 8         |     | Sales                  |          | 1        | 4         | 3         | 8         |     | Sales                  |          | 2        | 2         | 3         | 7         |     |  |
| Culls                  | 1        | 1         | 1        | 4         | 7         | 46% | Culls                  | 1        | 1        | 2         | 3         | 7         | 38% | Culls                  |          | 1        | 3         | 3         | 7         | 29% |  |
| <b>TV POLL 140477</b>  | <b>2</b> | <b>5</b>  | <b>6</b> | <b>10</b> | <b>23</b> |     | <b>TV POLL 140477</b>  | <b>3</b> | <b>5</b> | <b>8</b>  | <b>8</b>  | <b>24</b> |     | <b>TV POLL 140477</b>  | <b>3</b> | <b>4</b> | <b>8</b>  | <b>8</b>  | <b>23</b> |     |  |
| Tops                   |          | 1         |          | 1         | 2         |     | Tops                   |          | 1        |           | 1         | 2         |     | Tops                   | 1        |          | 1         |           | 2         |     |  |
| Seconds                | 1        | 1         |          | 2         | 4         |     | Seconds                | 1        |          | 1         | 2         | 4         |     | Seconds                |          |          | 3         | 2         | 5         |     |  |
| Sales                  |          | 2         | 3        | 2         | 7         |     | Sales                  |          | 2        | 3         | 3         | 8         |     | Sales                  | 2        | 1        | 3         |           | 6         |     |  |
| Culls                  | 1        | 1         | 3        | 5         | 10        | 38% | Culls                  | 2        | 2        | 4         | 2         | 10        | 21% | Culls                  |          | 3        | 1         | 6         | 10        | 43% |  |
| <b>WANG 130816</b>     | <b>2</b> | <b>3</b>  | <b>5</b> | <b>5</b>  | <b>15</b> |     | <b>WANG 130816</b>     | <b>3</b> | <b>2</b> | <b>5</b>  | <b>5</b>  | <b>15</b> |     | <b>WANG 130816</b>     | <b>3</b> | <b>2</b> | <b>5</b>  | <b>5</b>  | <b>15</b> |     |  |
| Tops                   |          | 2         | 1        |           | 3         |     | Tops                   |          | 1        | 1         | 1         | 3         |     | Tops                   | 1        |          |           | 1         | 2         |     |  |
| Seconds                |          |           | 2        |           | 2         |     | Seconds                |          |          | 1         | 1         | 2         |     | Seconds                | 1        |          | 1         | 1         | 3         |     |  |
| Sales                  | 2        | 1         | 1        | 2         | 6         |     | Sales                  | 3        | 1        | 1         | 1         | 6         |     | Sales                  |          | 2        | 1         | 2         | 5         |     |  |
| Culls                  |          |           | 1        | 3         | 4         | 27% | Culls                  |          |          | 2         | 2         | 4         | 20% | Culls                  | 1        |          | 3         | 1         | 5         | 20% |  |

| <b>P to H</b>          | Top       | Sec       | Sal       | Cul        | T          | %   | <b>P to A6</b>         | Top       | Sec       | Sal        | Cul        | T          | %   | <b>H to A6</b>         | Top       | Sec       | Sal        | Cul        | T          | % |     |
|------------------------|-----------|-----------|-----------|------------|------------|-----|------------------------|-----------|-----------|------------|------------|------------|-----|------------------------|-----------|-----------|------------|------------|------------|---|-----|
| <b>WES POLL 110004</b> | <b>3</b>  | <b>3</b>  | <b>4</b>  | <b>4</b>   | <b>14</b>  |     | <b>WES POLL 110004</b> | <b>3</b>  | <b>1</b>  | <b>5</b>   | <b>5</b>   | <b>14</b>  |     | <b>WES POLL 110004</b> | <b>3</b>  | <b>1</b>  | <b>5</b>   | <b>6</b>   | <b>15</b>  |   |     |
| Tops                   | 2         |           | 1         |            | 3          |     | Tops                   |           |           |            |            | 3          |     | Tops                   |           | 1         |            |            | 2          | 3 |     |
| Seconds                | 1         | 2         |           |            | 3          |     | Seconds                | 2         | 1         |            |            | 3          |     | Seconds                | 3         |           |            |            |            | 3 |     |
| Sales                  |           |           | 1         | 3          | 4          |     | Sales                  |           |           | 2          | 2          | 4          |     | Sales                  |           |           | 2          | 2          | 4          |   |     |
| Culls                  |           | 1         | 2         | 1          | 4          | 43% | Culls                  | 1         |           | 3          |            | 4          | 21% | Culls                  |           |           | 3          | 2          | 5          |   | 27% |
| <b>WILGUN 121224</b>   | <b>2</b>  | <b>7</b>  | <b>7</b>  | <b>10</b>  | <b>26</b>  |     | <b>WILGUN 121224</b>   | <b>3</b>  | <b>6</b>  | <b>8</b>   | <b>9</b>   | <b>26</b>  |     | <b>WILGUN 121224</b>   | <b>3</b>  | <b>6</b>  | <b>8</b>   | <b>9</b>   | <b>26</b>  |   |     |
| Tops                   |           | 1         | 1         |            | 2          |     | Tops                   |           | 1         | 1          |            | 2          |     | Tops                   | 1         | 1         |            |            |            | 2 |     |
| Seconds                | 1         | 4         |           | 2          | 7          |     | Seconds                |           | 2         | 2          | 3          | 7          |     | Seconds                |           | 3         | 1          | 3          | 7          |   |     |
| Sales                  | 1         | 2         | 3         | 3          | 9          |     | Sales                  | 1         | 2         | 2          | 4          | 9          |     | Sales                  | 1         | 1         | 3          | 2          | 7          |   |     |
| Culls                  |           |           | 3         | 5          | 8          | 46% | Culls                  | 2         | 1         | 3          | 2          | 8          | 23% | Culls                  | 1         | 1         | 4          | 4          | 10         |   | 42% |
| <b>WILLAN 140030</b>   | <b>2</b>  | <b>9</b>  | <b>7</b>  | <b>9</b>   | <b>27</b>  |     | <b>WILLAN 140030</b>   | <b>3</b>  | <b>6</b>  | <b>9</b>   | <b>9</b>   | <b>27</b>  |     | <b>WILLAN 140030</b>   | <b>3</b>  | <b>6</b>  | <b>9</b>   | <b>9</b>   | <b>27</b>  |   |     |
| Tops                   | 1         | 2         |           |            | 3          |     | Tops                   |           |           | 3          |            | 3          |     | Tops                   |           | 1         | 1          |            |            | 2 |     |
| Seconds                | 1         | 3         | 1         | 1          | 6          |     | Seconds                | 1         | 1         | 3          | 1          | 6          |     | Seconds                | 1         | 2         | 4          | 2          | 9          |   |     |
| Sales                  |           | 3         | 4         | 4          | 11         |     | Sales                  | 1         | 4         | 1          | 5          | 11         |     | Sales                  | 1         | 2         | 3          | 1          | 7          |   |     |
| Culls                  |           | 1         | 2         | 4          | 7          | 44% | Culls                  | 1         | 1         | 2          | 3          | 7          | 19% | Culls                  | 1         | 1         | 1          | 6          | 9          |   | 41% |
| <b>Total</b>           | <b>33</b> | <b>82</b> | <b>96</b> | <b>118</b> | <b>329</b> |     | <b>Total</b>           | <b>46</b> | <b>66</b> | <b>108</b> | <b>113</b> | <b>333</b> |     | <b>Total</b>           | <b>45</b> | <b>64</b> | <b>107</b> | <b>115</b> | <b>331</b> |   |     |

## 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 2017 Drop – AMSEA Grade – Allan Casey Measured LIFETIME Performance by Grade (Drop Level) – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A6 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    | 237        | 4.3        | 19.6        | 101        | 45        | 64        | 4.0        | 25        | 5.7        | 100        |
| Cull         | 98         | 3.9        | 19.1        | 99         | 44        | 60        | 3.8        | 24        | 5.7        | 100        |
| <b>Total</b> | <b>335</b> | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

| Grade            | Count      | Dag         | Bdwr        | Char        | Col         | Flrot       | Dust        | Back        | Legs        | Face        | Spig        | Jaw         |
|------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Top/Flock        | 236        | 1.41        | 2.63        | 2.83        | 2.30        | 1.12        | 3.75        | 1.46        | 2.42        | 3.02        | 2.11        | 1.16        |
| Cull             | 98         | 1.38        | 2.53        | 2.79        | 2.37        | 1.12        | 3.97        | 1.51        | 2.61        | 2.97        | 2.19        | 1.22        |
| <b>Total/Ave</b> | <b>334</b> | <b>1.40</b> | <b>2.60</b> | <b>2.82</b> | <b>2.32</b> | <b>1.12</b> | <b>3.81</b> | <b>1.48</b> | <b>2.48</b> | <b>3.01</b> | <b>2.13</b> | <b>1.18</b> |

#### AMSEA Class – Hogget

| Grade        | Count      | CFW        | FD          | SL         | SS        | WT        | FAT        | EMD       | WR         | MP+        |
|--------------|------------|------------|-------------|------------|-----------|-----------|------------|-----------|------------|------------|
| Top/Flock    | 281        | 4.2        | 19.5        | 101        | 45        | 64        | 4.0        | 25        | 5.8        | 101        |
| Cull         | 54         | 4.0        | 19.4        | 99         | 44        | 57        | 3.6        | 24        | 5.2        | 95         |
| <b>Total</b> | <b>335</b> | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

| Grade            | Count      | Dag         | Bdwr        | Char        | Col         | Flrot       | Dust        | Back        | Legs        | Face        | Spig        | Jaw         |
|------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Top/Flock        | 280        | 1.42        | 2.61        | 2.82        | 2.31        | 1.11        | 3.81        | 1.47        | 2.40        | 2.99        | 2.09        | 1.17        |
| Cull             | 54         | 1.31        | 2.58        | 2.82        | 2.36        | 1.18        | 3.80        | 1.50        | 2.88        | 3.10        | 2.39        | 1.21        |
| <b>Total/Ave</b> | <b>334</b> | <b>1.40</b> | <b>2.60</b> | <b>2.82</b> | <b>2.32</b> | <b>1.12</b> | <b>3.81</b> | <b>1.48</b> | <b>2.48</b> | <b>3.01</b> | <b>2.13</b> | <b>1.18</b> |

**Macquarie 2017 Drop – Professional Class – Chris Bowman Measured LIFETIME Performance by Grade (Drop Level)  
 – Average Lifetime CFW, FD, SL, SS, WT, EMD, WR, A6 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 | 200        | 4.3        | 19.7        | 101        | 46        | 64        | 4.0        | 25        | 5.6        | 100        |
| Sale            | 92         | 4.0        | 19.1        | 100        | 44        | 63        | 4.0        | 24        | 6.0        | 102        |
| Cull            | 43         | 3.9        | 19.0        | 98         | 43        | 58        | 3.6        | 24        | 5.4        | 97         |
| <b>Total</b>    | <b>335</b> | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

| Grade            | Count      | Dag         | Bdwr        | Char        | Col         | Flrot       | Dust        | Back        | Legs        | Face        | Spig        | Jaw         |
|------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Top Stud Second  | 199        | 1.37        | 2.62        | 2.86        | 2.29        | 1.12        | 3.70        | 1.45        | 2.47        | 3.06        | 2.14        | 1.15        |
| Sale             | 92         | 1.43        | 2.56        | 2.77        | 2.37        | 1.12        | 3.98        | 1.49        | 2.43        | 2.94        | 2.05        | 1.15        |
| Cull             | 43         | 1.47        | 2.62        | 2.74        | 2.34        | 1.12        | 3.96        | 1.56        | 2.60        | 2.92        | 2.30        | 1.34        |
| <b>Total/Ave</b> | <b>334</b> | <b>1.40</b> | <b>2.60</b> | <b>2.82</b> | <b>2.32</b> | <b>1.12</b> | <b>3.81</b> | <b>1.48</b> | <b>2.48</b> | <b>3.01</b> | <b>2.13</b> | <b>1.18</b> |

**Prof Class – Hogget**

| Grade           | Count      | CFW        | FD          | SL         | SS        | WT        | FAT        | EMD       | WR         | MP+        |
|-----------------|------------|------------|-------------|------------|-----------|-----------|------------|-----------|------------|------------|
| Top Stud Second | 214        | 4.4        | 19.4        | 101        | 45        | 65        | 4.0        | 24        | 5.7        | 103        |
| Sale            | 63         | 3.9        | 19.6        | 101        | 45        | 63        | 4.3        | 25        | 5.7        | 94         |
| Cull            | 57         | 3.9        | 19.5        | 97         | 44        | 57        | 3.5        | 24        | 5.6        | 96         |
| <b>Total</b>    | <b>335</b> | <b>4.2</b> | <b>19.4</b> | <b>100</b> | <b>45</b> | <b>63</b> | <b>4.0</b> | <b>24</b> | <b>5.7</b> | <b>100</b> |

| Grade            | Count      | Dag         | Bdwr        | Char        | Col         | Flrot       | Dust        | Back        | Legs        | Face        | Spig        | Jaw         |
|------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Top Stud Second  | 213        | 1.44        | 2.66        | 2.78        | 2.23        | 1.10        | 3.73        | 1.48        | 2.47        | 3.02        | 2.07        | 1.17        |
| Sale             | 63         | 1.30        | 2.37        | 2.87        | 2.46        | 1.17        | 3.95        | 1.44        | 2.44        | 2.92        | 2.11        | 1.13        |
| Cull             | 57         | 1.39        | 2.66        | 2.92        | 2.47        | 1.14        | 3.97        | 1.49        | 2.55        | 3.08        | 2.37        | 1.27        |
| <b>Total/Ave</b> | <b>334</b> | <b>1.40</b> | <b>2.60</b> | <b>2.82</b> | <b>2.32</b> | <b>1.12</b> | <b>3.81</b> | <b>1.48</b> | <b>2.48</b> | <b>3.01</b> | <b>2.13</b> | <b>1.18</b> |