



# LARDNER PARK STEER TRIAL 2025

# RESULTS



## LARDNER PARK EVENTS 2025 STEER TRIAL

2025 marked the 50<sup>th</sup> year of the Lardner Park steer trial – targeting “50 pairs for 50 years” as part of the celebration of being the only grass-based steer trial in Australia.

Cattle were managed under independently controlled grazing conditions during the trial, providing valuable information on growth and carcass quality attributes of the steers.

To minimise the risk of steers not meeting weight specifications at the end of the trial there was a recommended entry weight of 280 – 385 kg liveweight.

### The 2025 Competition

100 head of cattle were inducted onto the property on the 12<sup>th</sup> of June, and after a settling in period, the steer trial commenced on the 17<sup>th</sup> June. Cattle were weighed five times throughout the trial period.

Steers were vaccinated upon arrival at Lardner Park with Bovishield MH-One and given a broad spectrum drench.

The final weighing day and viewing of the steers was held on Friday 15<sup>th</sup> November. The steers remained on the property over the weekend, allowing them to settle post weighing and viewing, with the aim to reducing stress impacts on the carcass attributes. Steers were sent to the abattoir on Monday 18<sup>th</sup> November. This was a fortnight earlier than normal due a music festival to be held at Lardner Park that would have clashed with normal turnoff times

As the steers were not weighed again on the day they were sent to the abattoir, their growth rate at the final weighing the Friday prior was used to estimate a final liveweight. This estimated final liveweight was used to determine the dressing percentage of the steers.

Steers had to meet the following specifications for the **Coles ‘Graze’ program** when they were turned off:

Hot standard carcass weight	220 – 330kg
Fat range (P8)	4 -14mm

Carcasses falling outside the weight range of 220 – 330kg carcass weight had penalty points applied of 2 points per kg over 330kg carcass weight or 2 points per kg under 220kg carcass weight.

To be in contention for the ‘Highest Weight Gain Pair’, both animals in the pair had to fall in the specifications of 220 – 330 kg carcass weight. If one or both animals in the pair failed to meet the carcass weight specifications, the pair were not eligible for the award.

98 steers competed in the steer trial in 2025 - 100 steers were registered, but one steer was removed from the trial. Growth and carcass data was still collected for the remaining steer.

The second steer of that pair remained running with the mob but was ineligible for the competition due to it being a paired trial.

The herd was run in one mob on predominately ryegrass based pastures. The tables and graphs following in the document summarise the liveweight gain and various aspects of carcass performance.

### **MSA grading**

Carcasses were graded at JBS Australia Pty Ltd's Brooklyn processing plant on behalf of Coles. Carcasses were sold into the Coles 'Graze' program. The national Meat Standards Australia (MSA) grading system was used to assess carcasses in the competition. The MSA measurements were converted to carcass points using an Australian Beef Carcass Appraisal Method (ABCAM).

### **Judging System details.**

P8 fat, fat colour, meat colour, rib fat, eye muscle area, ossification, marbling and muscle pH from the MSA assessment were used to estimate eating quality.

Carcasses were required to be between pH 5.4 to 5.7 to grade MSA. For MSA, cattle needed to be below a notional 30 months of age (maturity) determined by an 'ossification' score below 200. The degree of ossification is determined by change of cartilage to bone in the sacral (rump), lumbar (loin) and thoracic (rib) vertebrae.

There is no minimum marbling requirement to grade MSA but it is recorded due to some markets seeking certain levels of marbling. Marbling is related to 'juiciness' of the meat and can contribute to flavour.

The reasons cattle may have received lower eating quality points under the MSA system are that rib fat is less than 3mm, or the pH is above 5.7, or the meat colour is 1a or greater than 3.

The MSA Index is used to determine the Highest Eating Quality Award – all steers who meet MSA grading criteria (rib fat 3mm or greater, pH below 5.7 and meat colour between 1b – 3) receive a MSA Index score. Steers who fail MSA grading have been given an Opportunity Index score – an indicator to what their MSA Index would have been if the carcass had met the MSA requirements.

## Lardner Park Events 2025 Steer Trial – Summary of Awards

Coles 'Graze' Program  
 220-330kg carcass weight  
 Fat range (P8) 4-14 mm

Combined Weight Gain & Carcass Awards		
Breeder	Breed	Points
1 <sup>st</sup> Prize – sponsored by 		
Karn Station Tim Stokes - Benalla	Black Angus x	225.92
2 <sup>nd</sup> Prize – sponsored by 		
Featherstone Angus Stud Damian Britt - Crossover	Angus	223.49
3 <sup>rd</sup> Prize – sponsored by 		
Wonyip Park John Archibald - Yea	Speckle Park x Angus	220.60

Highest Weight Gain Pair		
Winner - sponsored by - 		
Breeder	Breed	Pair Av Daily Gain
Featherstone Angus Stud Damian Britt - Crossover	Angus	1.58

Highest Carcass Score As A Pair		
Winner - sponsored by - 		
Breeder	Breed	Pair Av Carcass Score
Bungeeltap Pastoral Kris Barnett - Glenhope	Angus	60.63

Highest Eating Quality (MSA Index) As A Pair		
Winner - sponsored by - 		
Breeder	Breed	Pair Av MSA Index
Bungeeltap Pastoral Kris Barnett - Glenhope	Angus	65.78

## Cattle Performance Analysis – Liveweight Gain Performance

Standard Domestic Class												
	Average LW kg						Average LW Gain kg per day					
	2025	2024	2023	2022	2021	2019	2025	2024	2023	2022	2021	2019
Initial	<b>302</b>	317	323	321	308	329						
Turnoff	<b>497</b>	502	505	502	486	521						
Weight Gain	<b>189</b>	178	183	172	171	192	<b>1.26</b>	1.24	1.24	1.18	1.17	1.28

In 2025, the steers as a mob averaged a liveweight gain of 1.26 kgLW/day. A fantastic result in a tough year seasonally.

The top averaged weight gain for a steer pair was 1.69 kgLW/day (Hereford steers from Tarwin Poll Herefords) – unfortunately this pair was ineligible for the highest weight gain pair award, as one steer of the pair fell outside the carcass specifications, coming in 9.5 kg too heavy.

Individual steer weight gains **averaged** across the trial period ranged from 0.72 kgLW/day up to 1.94 kgLW/day.

The weight gain of 1.94 kgLW/day was from a Hereford steer, with the other animal of the pair growing at 1.43 kgLW/day, resulting in the pair average daily gain of 1.69 kgLW/day.

The averaged weight gain of 0.72 kgLW/day was from a Speckle Park steer, with the other animal of the pair growing at 0.99 kgLW/day.

**Average weight gains of the mob** through the different Liveweight Gain (LWG) periods:

- **LWG period 1** (17/6 – 22/7) was 1.22 kgLW/day
- **LWG period 2** (22/7 – 26/8) was 1.25 kgLW/day
- **LWG period 3** (26/8 – 30/9) was 1.32 kgLW/day
- **LWG period 4** (30/9 – 14/11) was 1.25 kgLW/day

Individual weight gains through the LWG periods:

- **LWG period 1** (17/6 – 22/7) – weight gains ranged from 0.09 kgLW/day (Hereford) up to 2.06 kgLW/day (Angus)
- **LWG period 2** (22/7 – 26/8) – weight gains ranged from 0.43 kgLW/day (Red Poll) up to 2.34 kgLW/day (Hereford). Interestingly, this Hereford with the highest gain is the same Hereford that had the lowest weight gain in period 1
- **LWG period 3** (26/8 – 30/9) – weight gains ranged from 0.54 kgLW/day (Speckle Park) up to 2.20 kgLW/day (Speckle Park x Angus)
- **LWG period 4** (30/9 – 14/11) – weight gains ranged from 0.6 kgLW/day (Speckle Park) up to 1.96 kgLW/day (Hereford)

**Battle of the Breeds – Steer Growth rates**

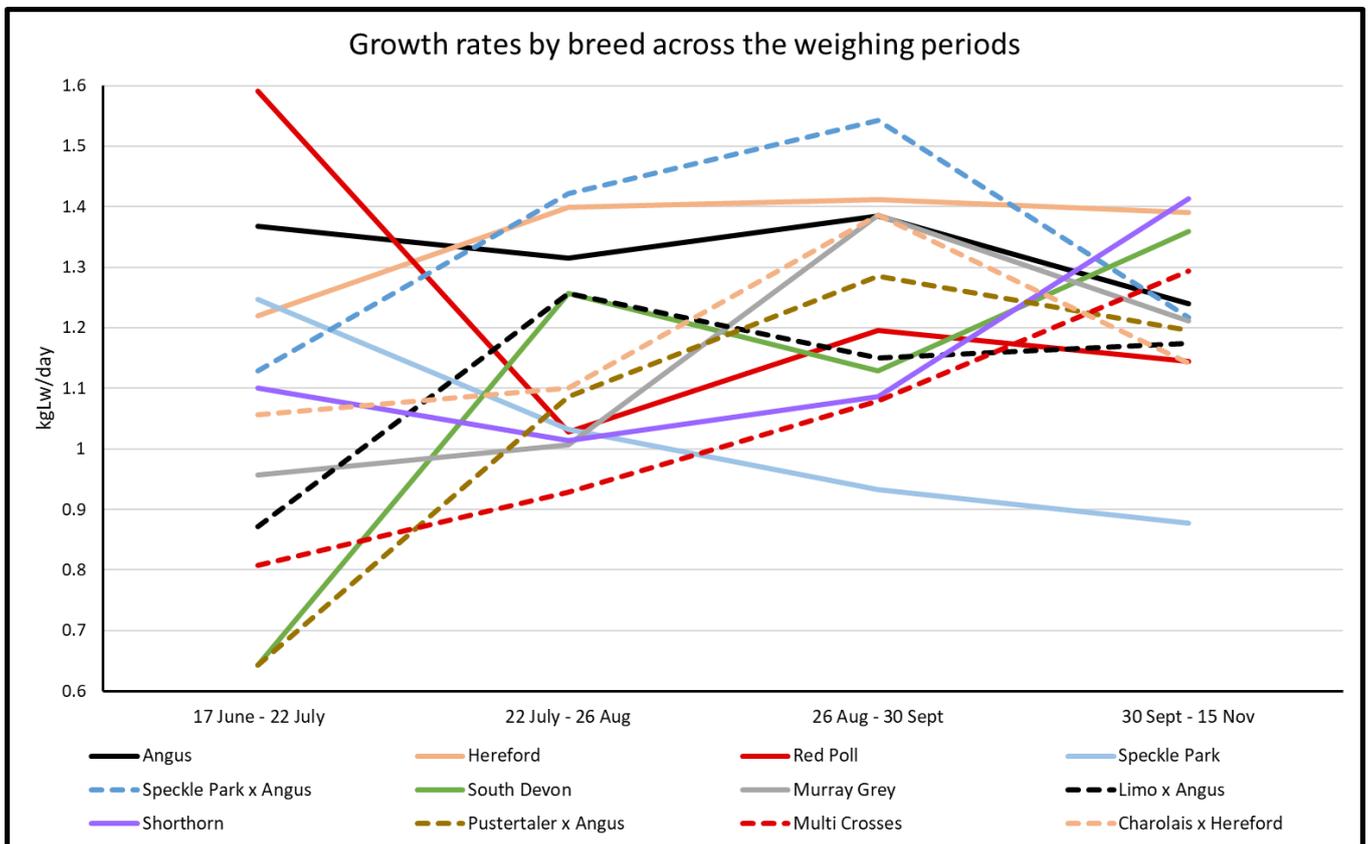
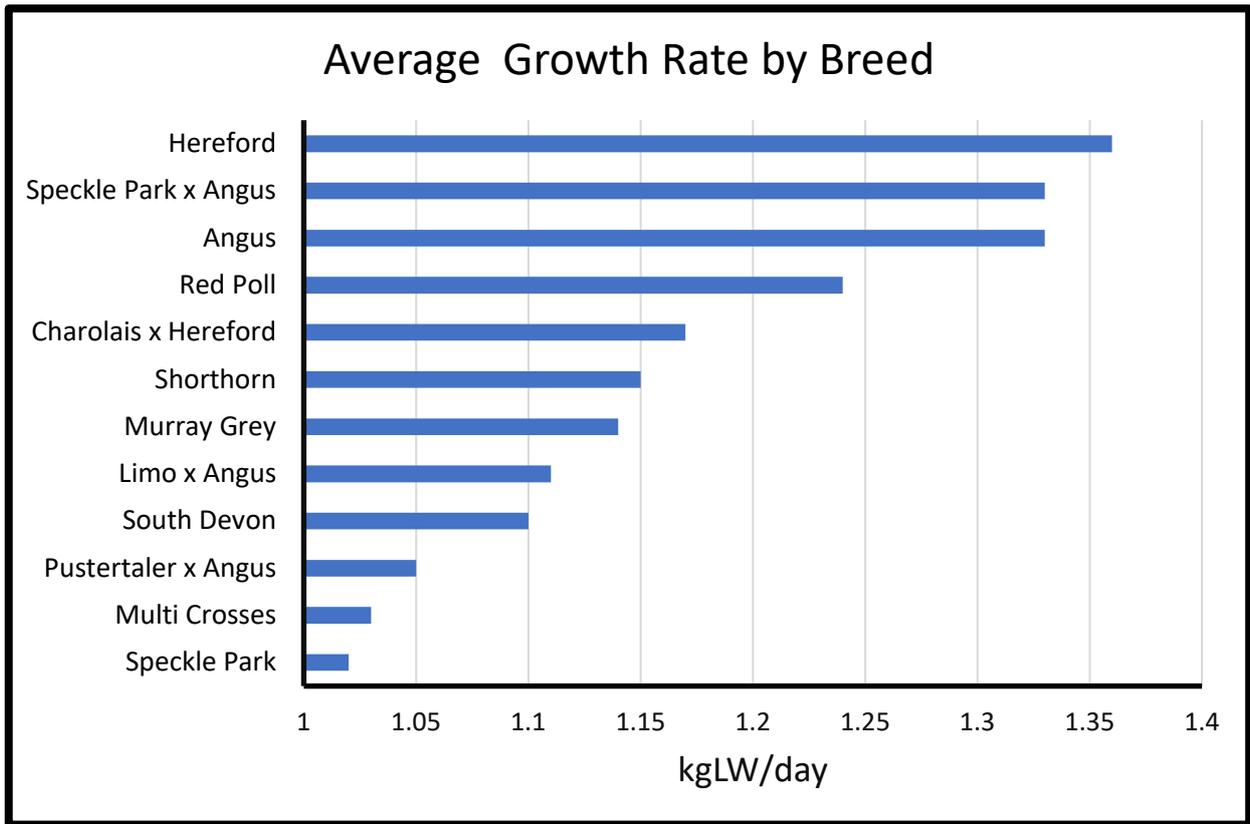
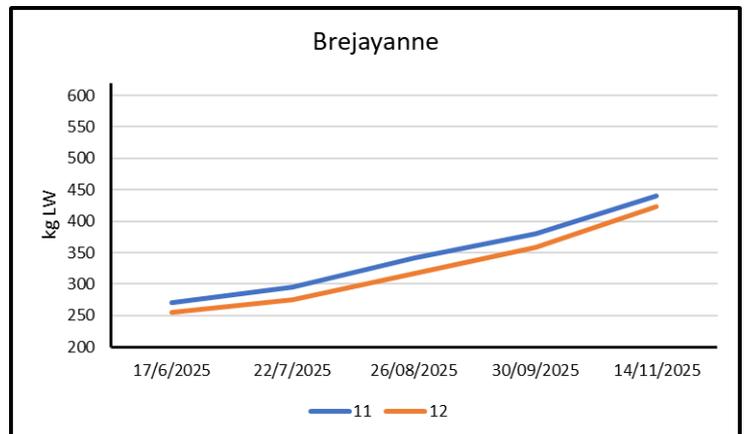
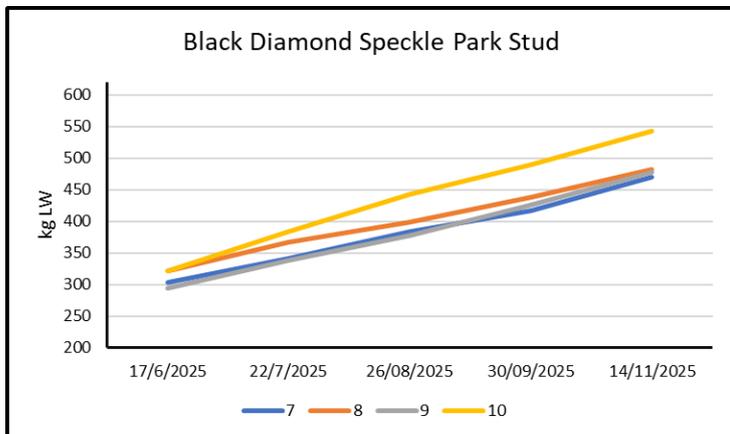
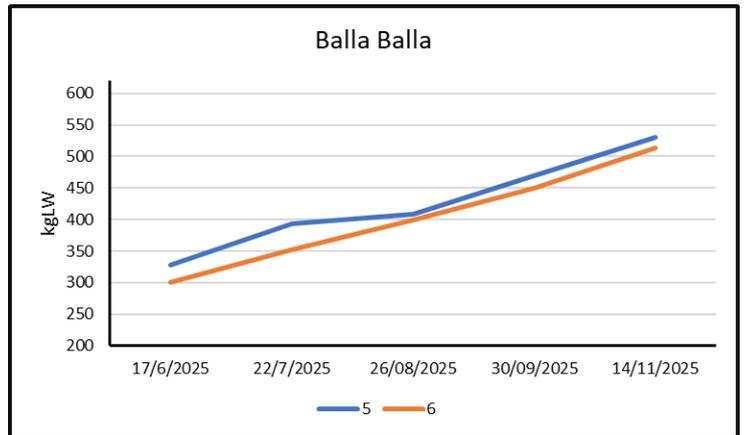
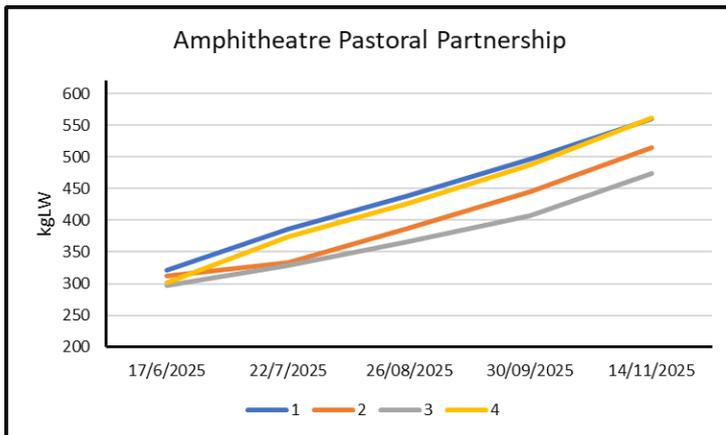


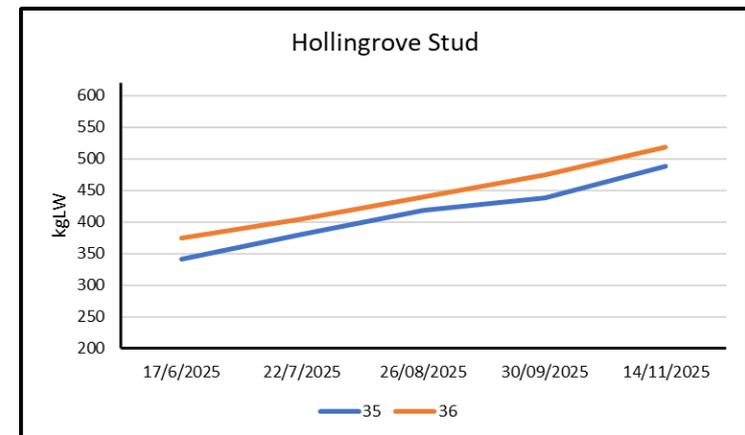
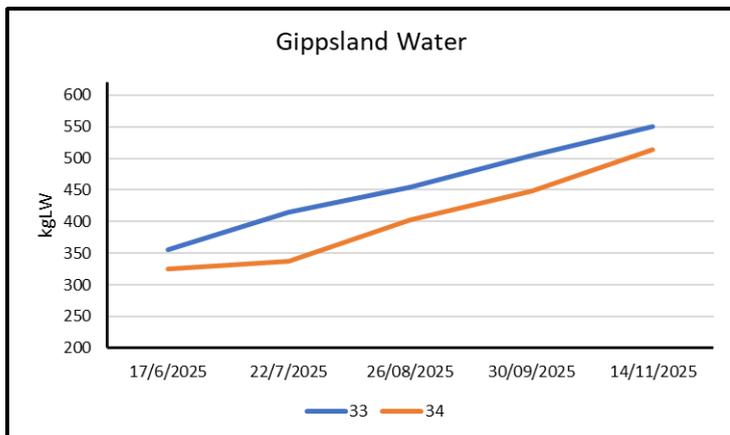
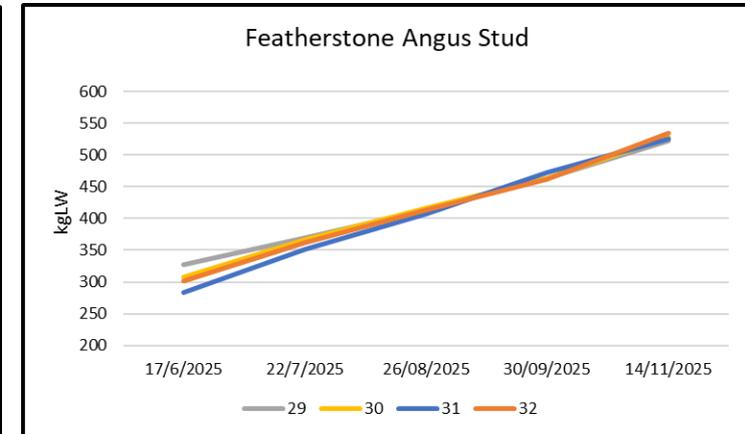
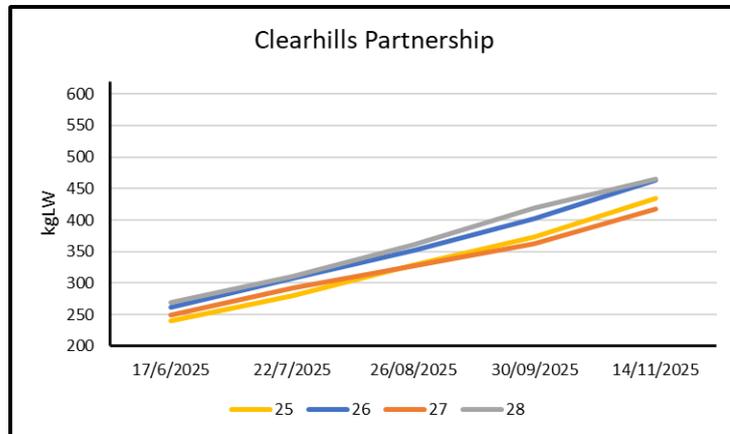
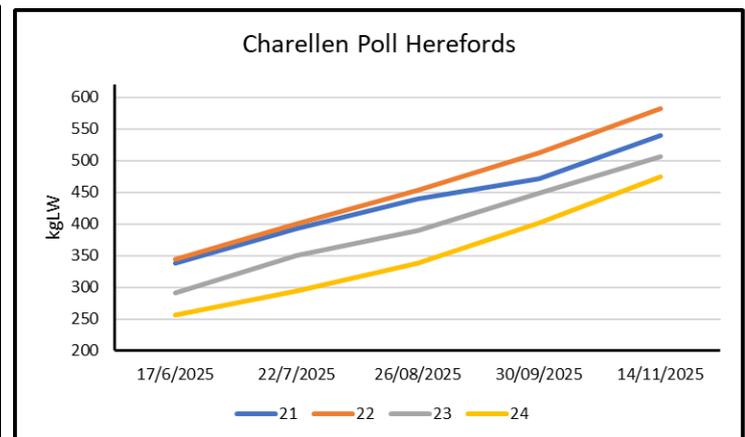
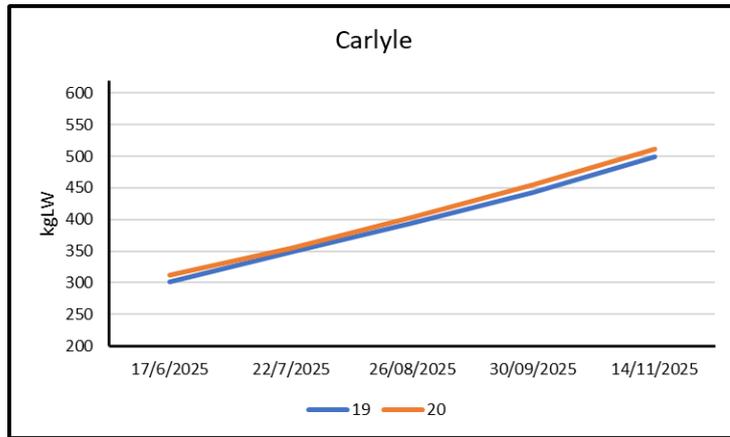
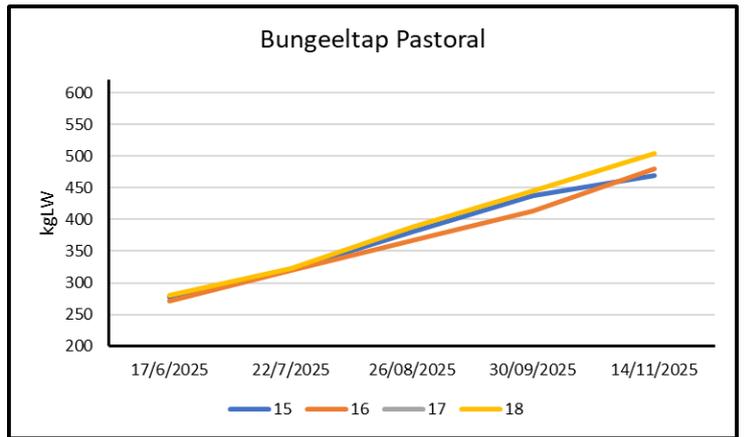
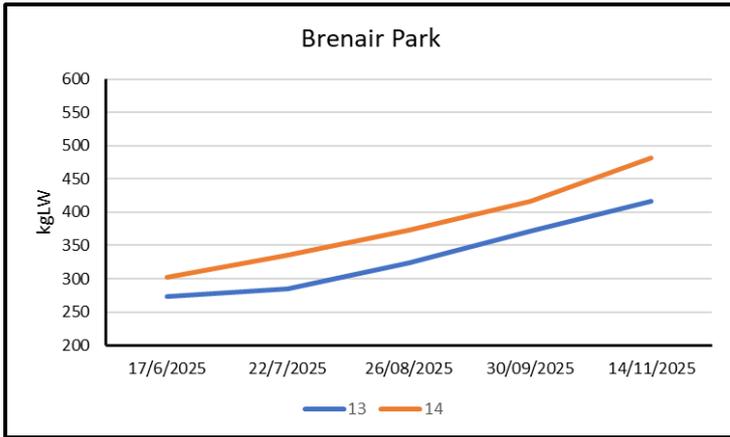
Table version of growth rates by breed across the weighing periods

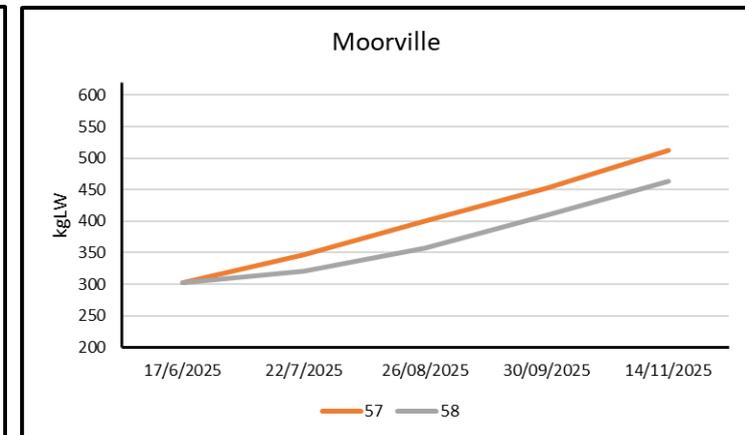
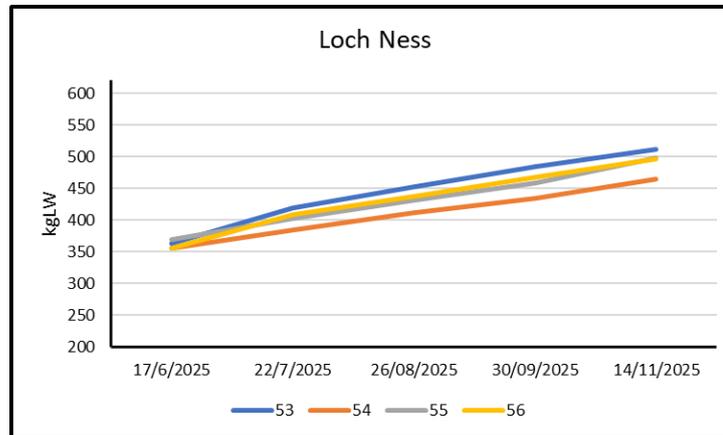
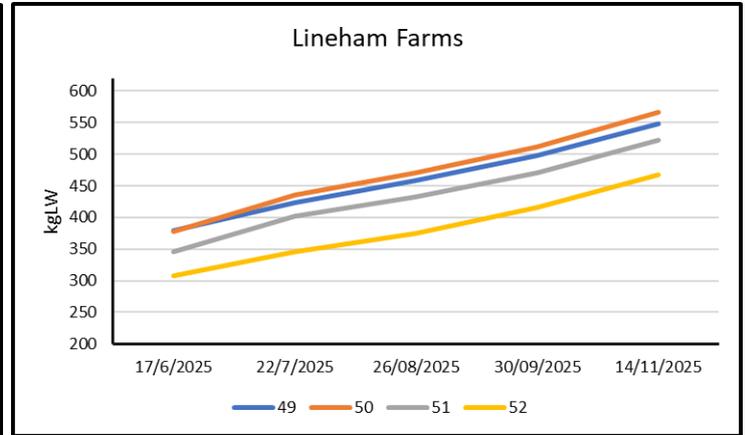
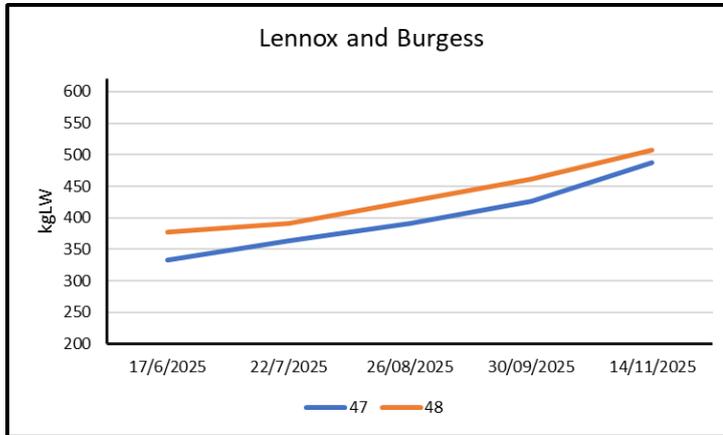
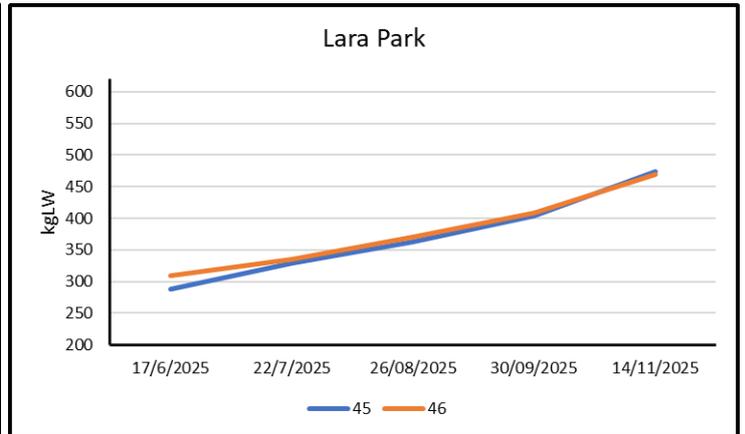
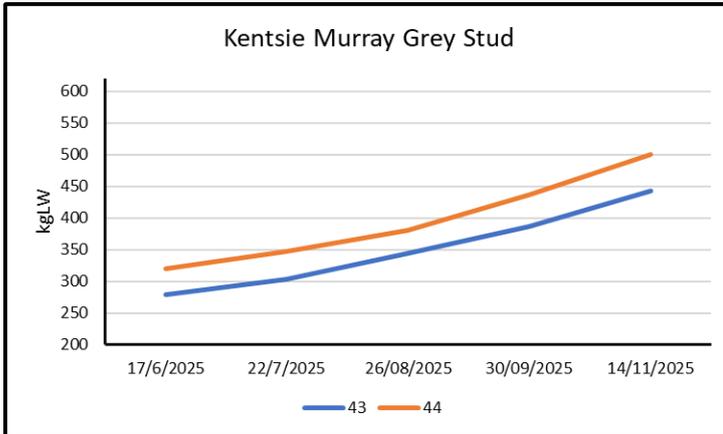
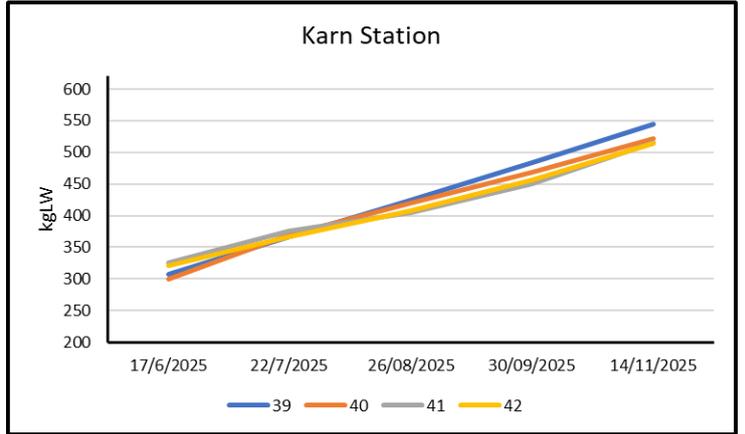
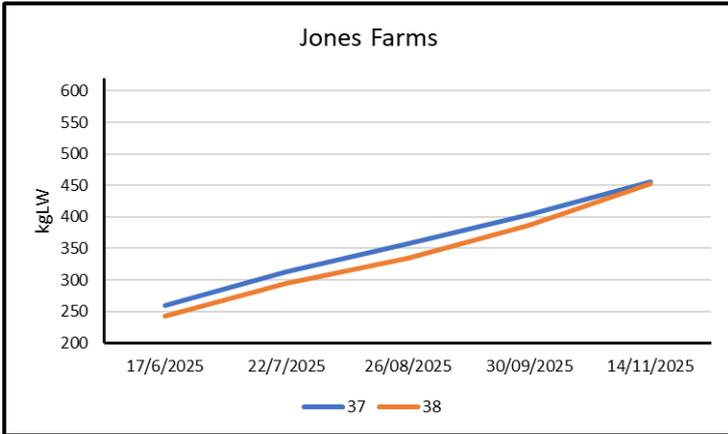
	Overall average growth rate (kgLW/day)	Growth rate 17 June to 22 July (kgLW/day)	Growth rate 22 July to 26 Aug (kgLW/day)	Growth rate 26 Aug to 30 Sept (kgLW/day)	Growth rate 30 Sept to 15 Nov (kgLW/day)
Hereford	1.36	1.22	1.40	1.41	1.39
Speckle Park x Angus	1.33	1.13	1.42	1.54	1.22
Angus	1.33	1.37	1.32	1.38	1.24
Red Poll	1.24	1.59	1.03	1.20	1.14
Charolais x Hereford	1.17	1.06	1.10	1.39	1.14
Shorthorn	1.15	1.10	1.01	1.09	1.41
Murray Grey	1.14	0.96	1.01	1.39	1.21
Limo x Angus	1.11	0.87	1.26	1.15	1.17
South Devon	1.10	0.64	1.26	1.13	1.36
Pustertaler x Angus	1.05	0.64	1.09	1.29	1.20
Multi crosses	1.03	0.81	0.93	1.08	1.29
Speckle Park	1.02	1.25	1.03	0.93	0.88

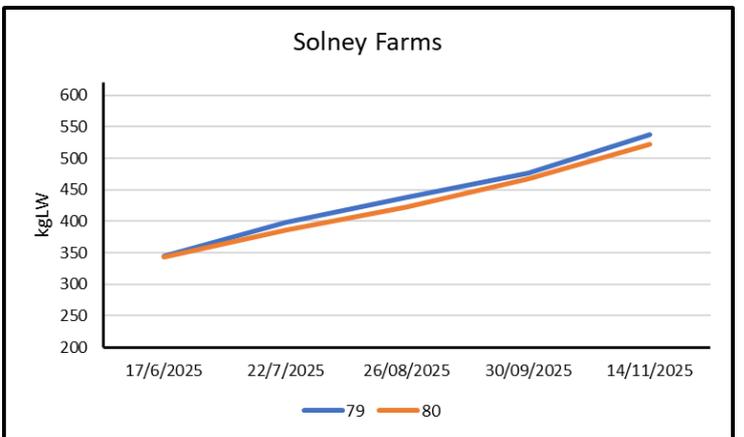
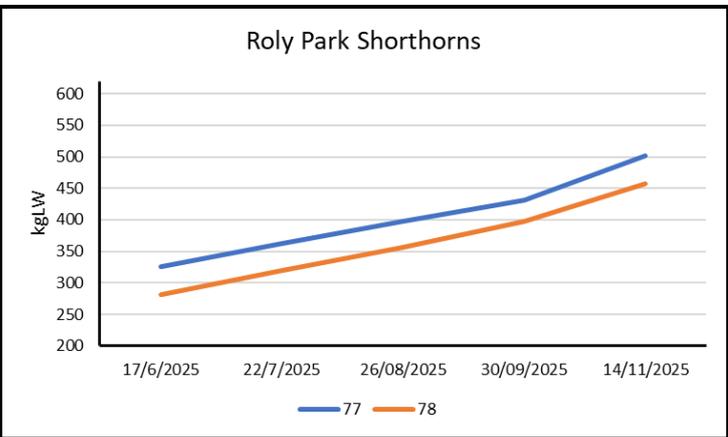
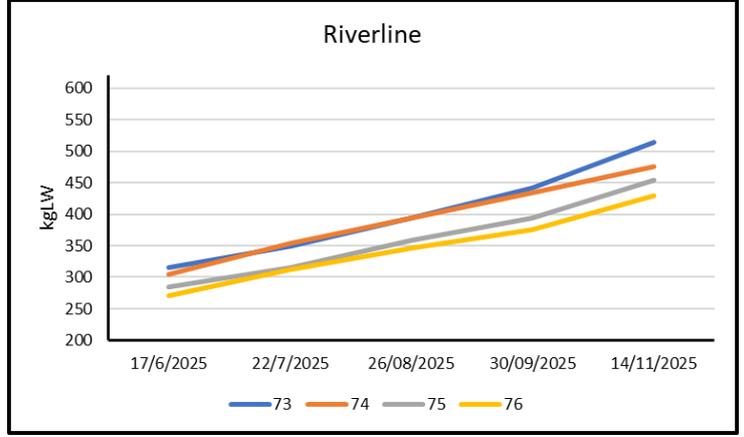
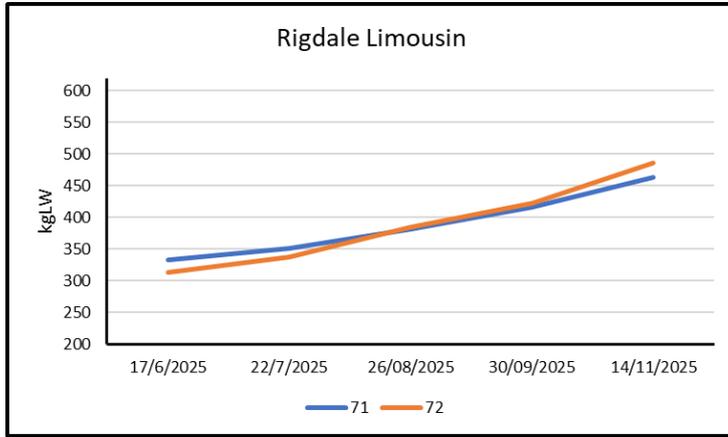
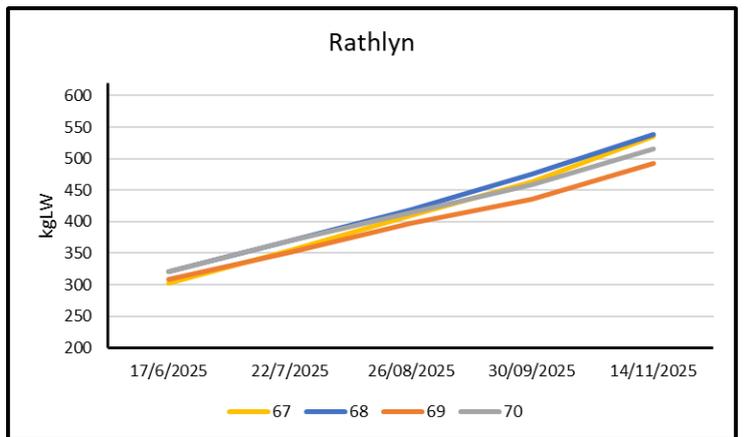
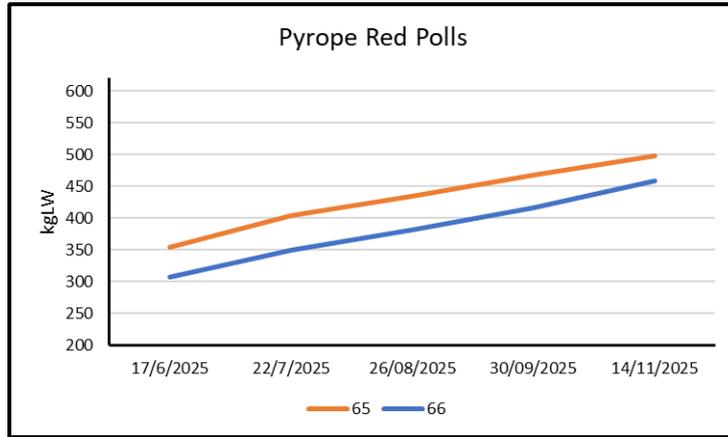
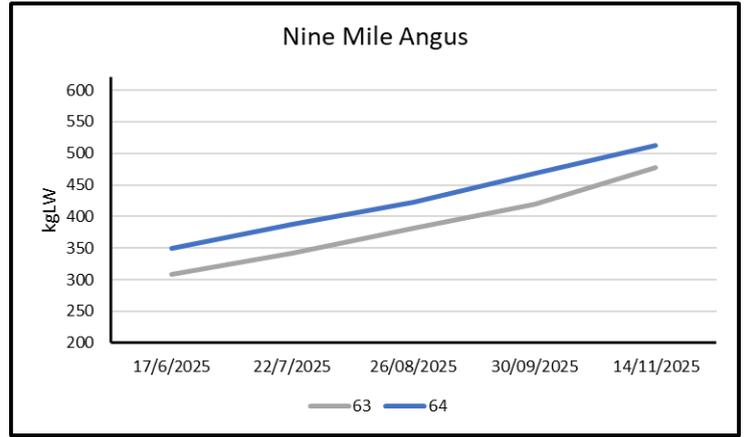
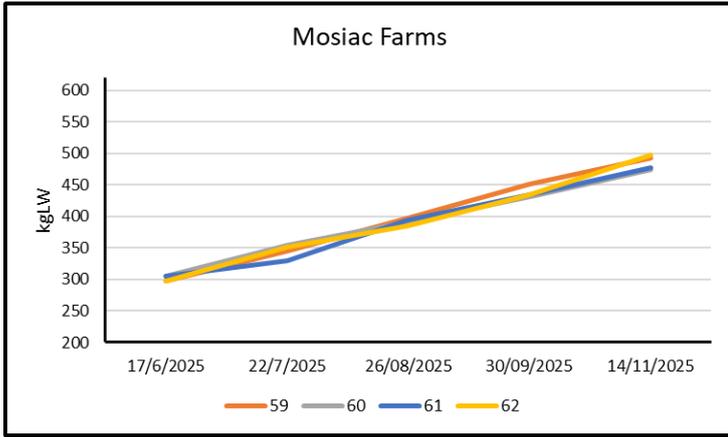
**Individual steer liveweight performance across the weighing dates.**

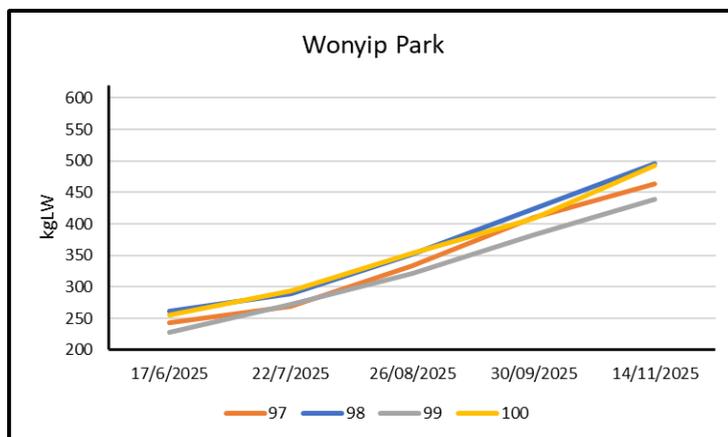
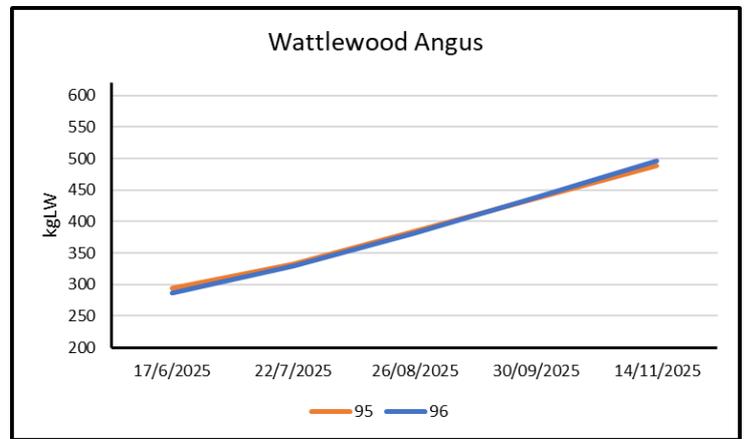
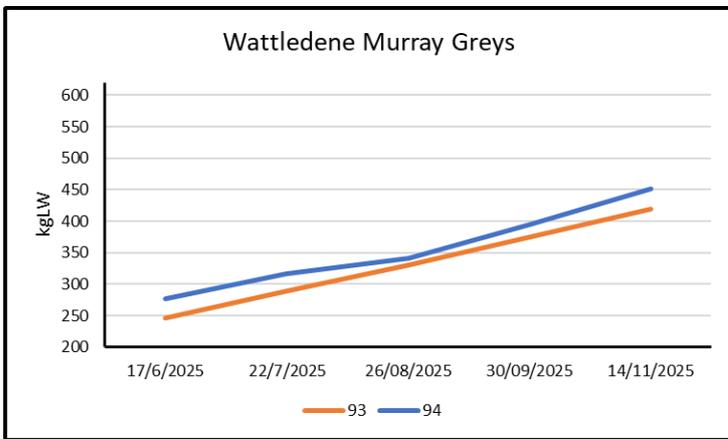
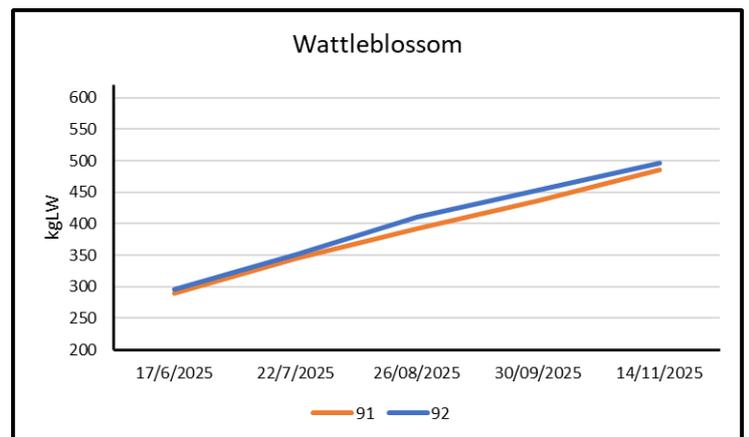
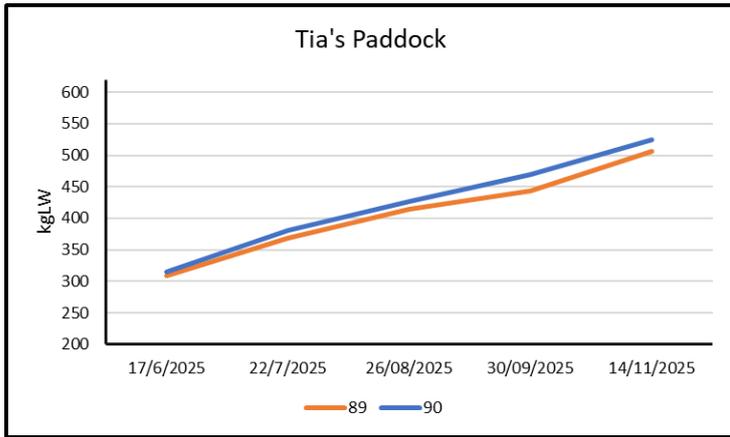
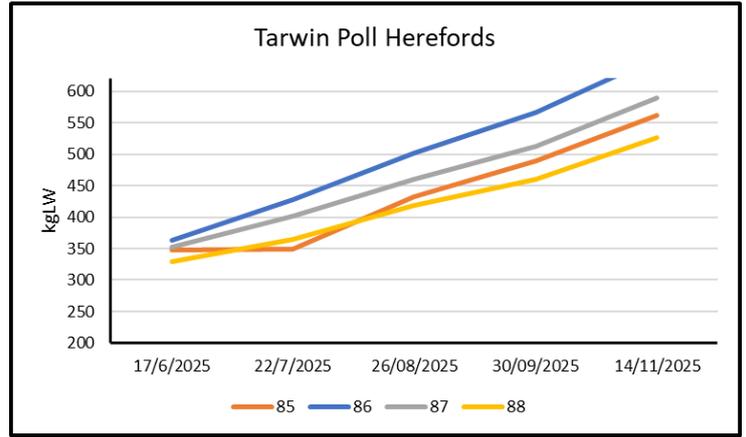
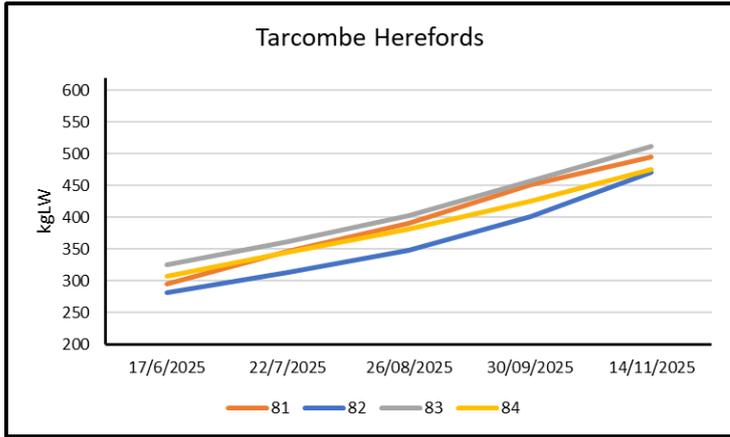
The number next to coloured line is the Lardner Park ear tag number of the steer.





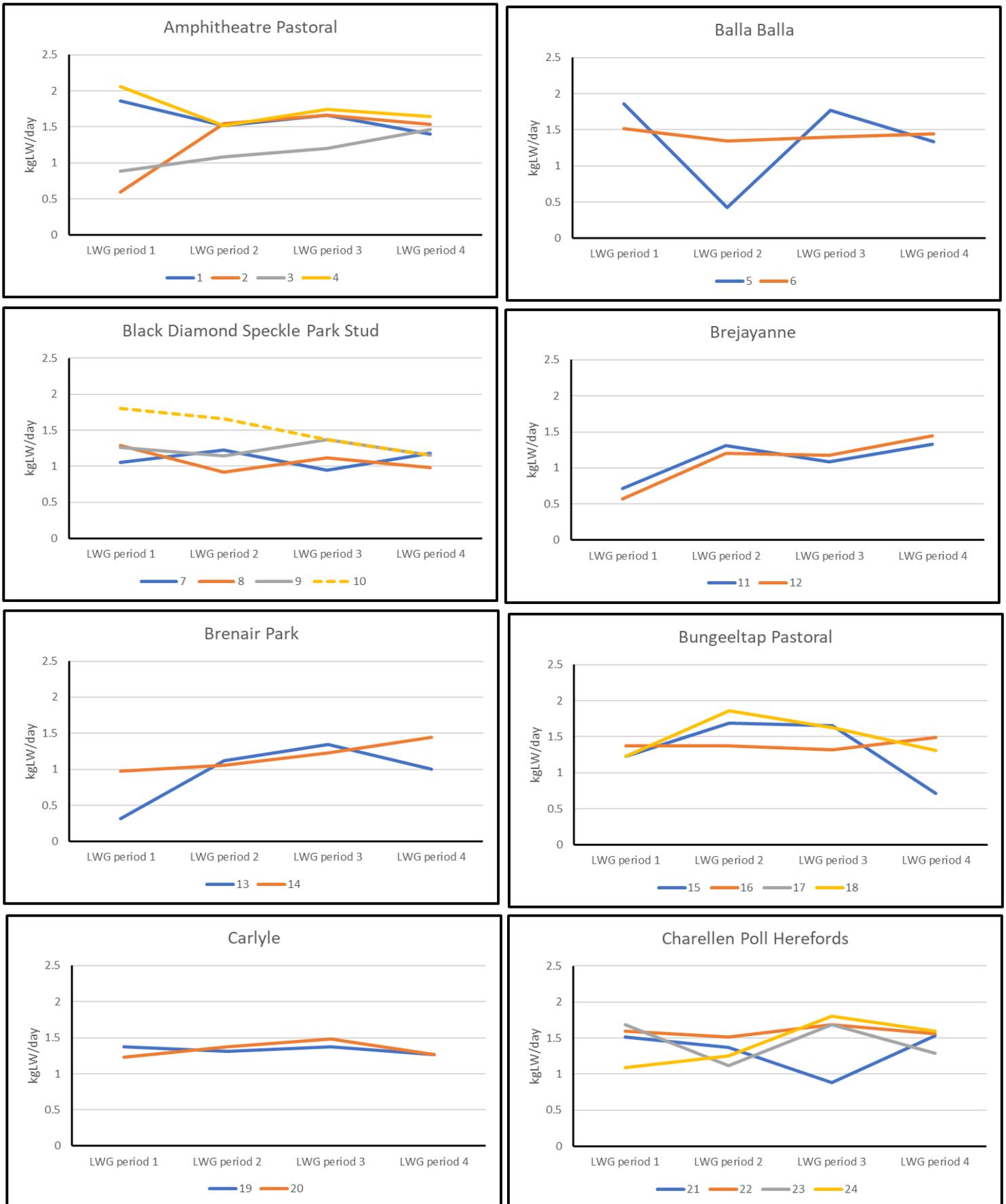


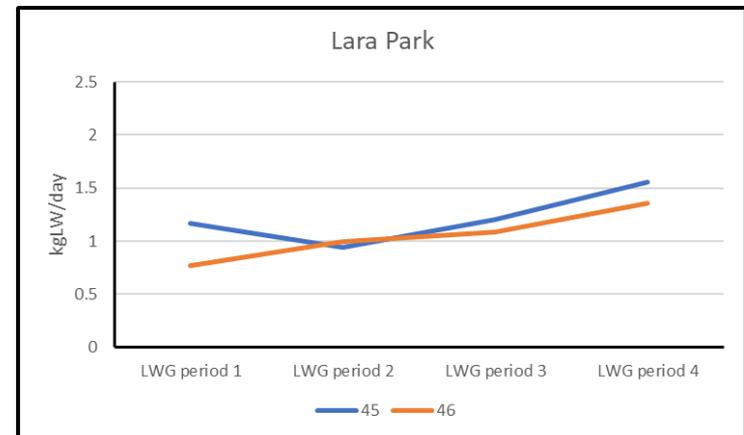
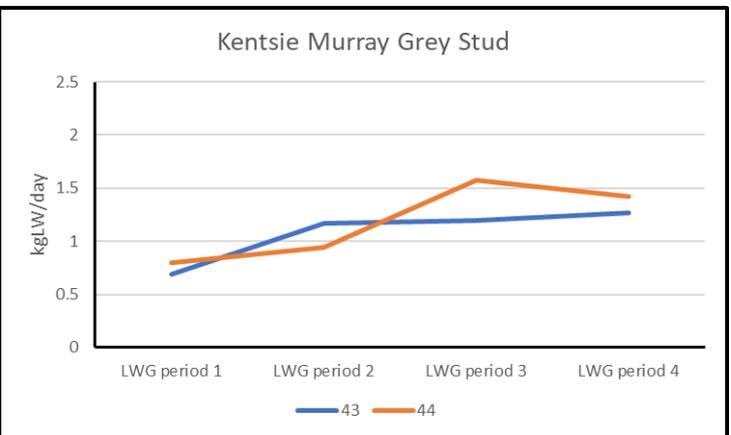
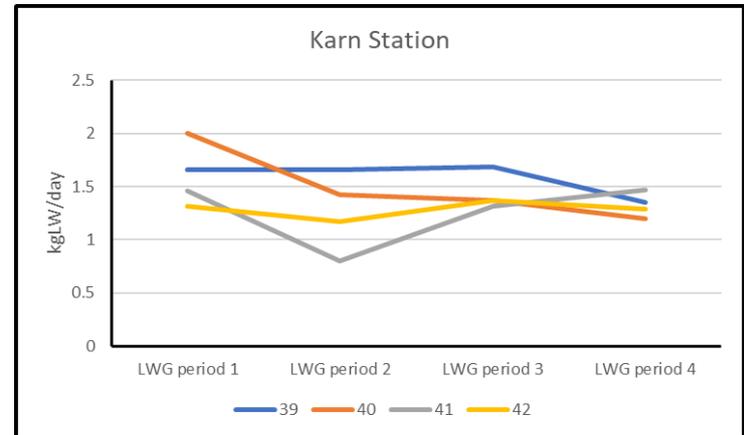
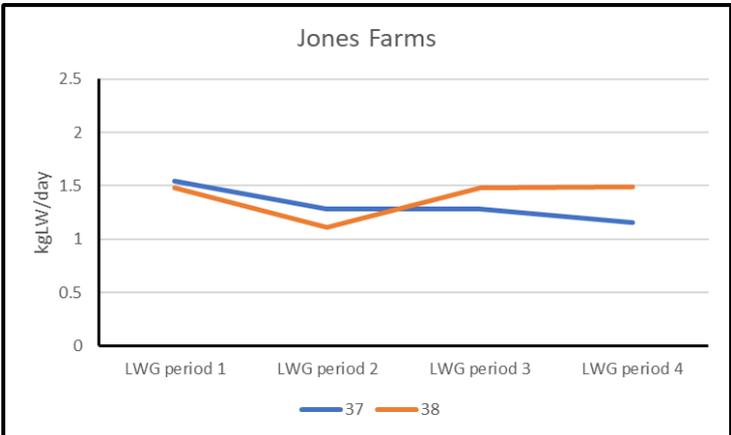
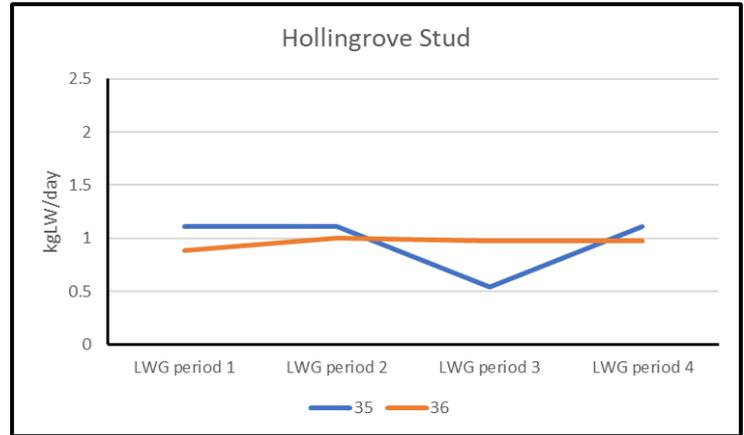
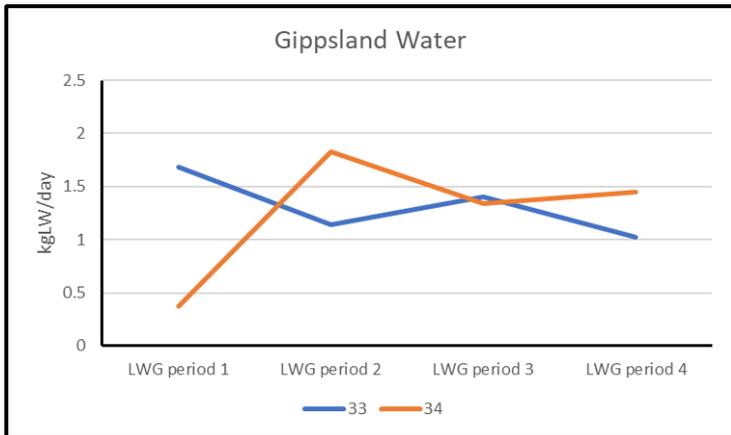
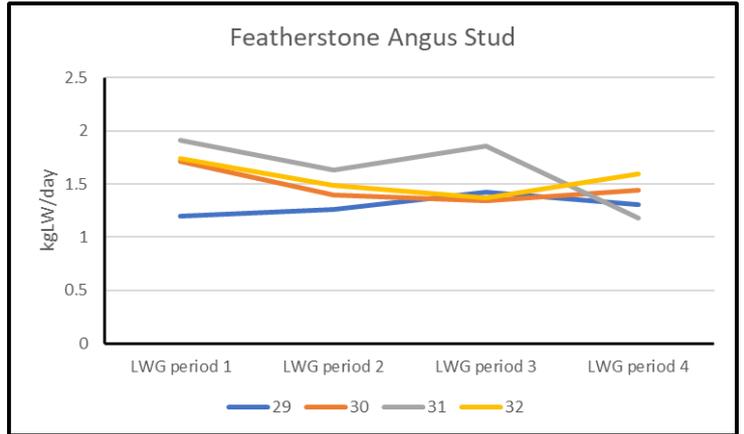
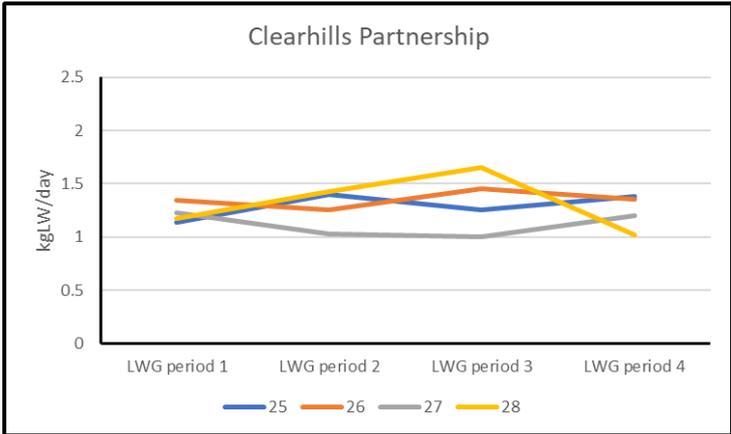


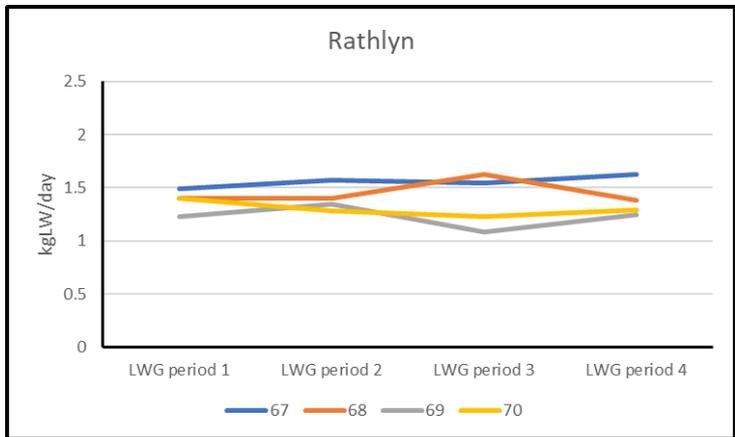
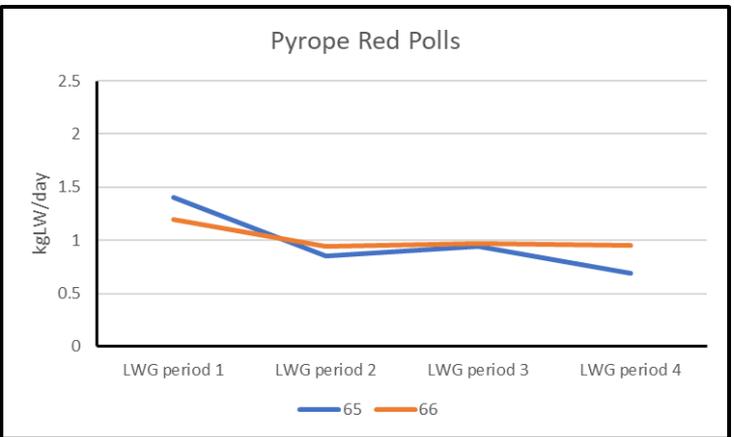
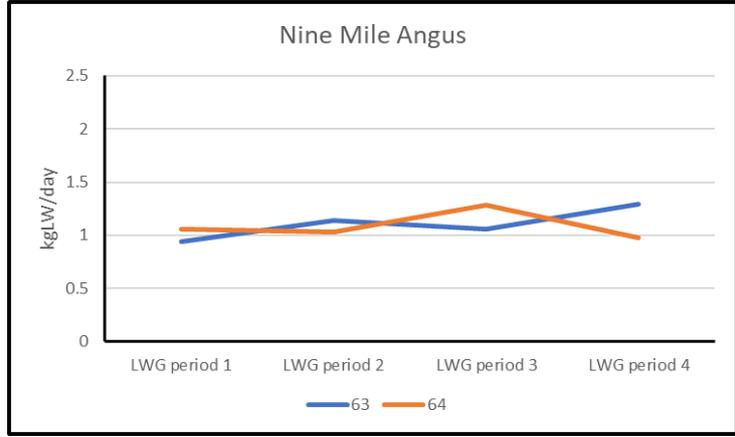
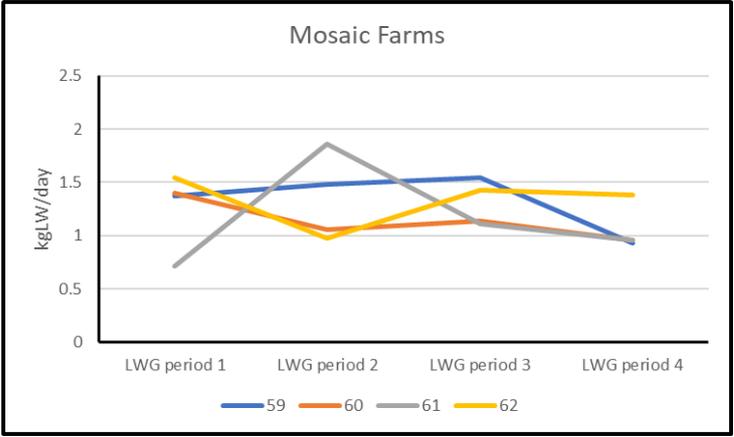
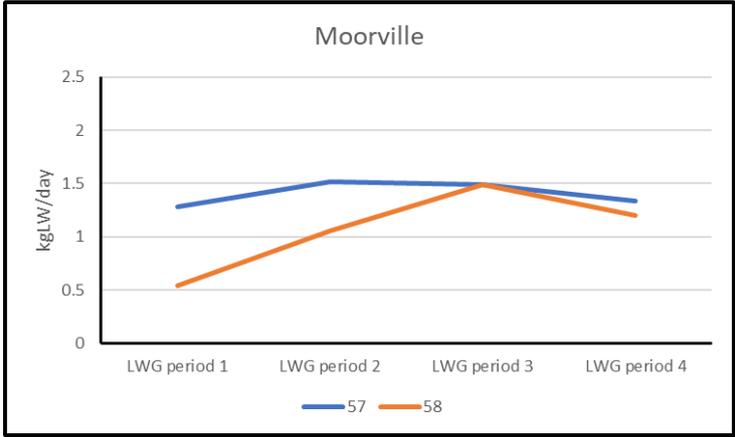
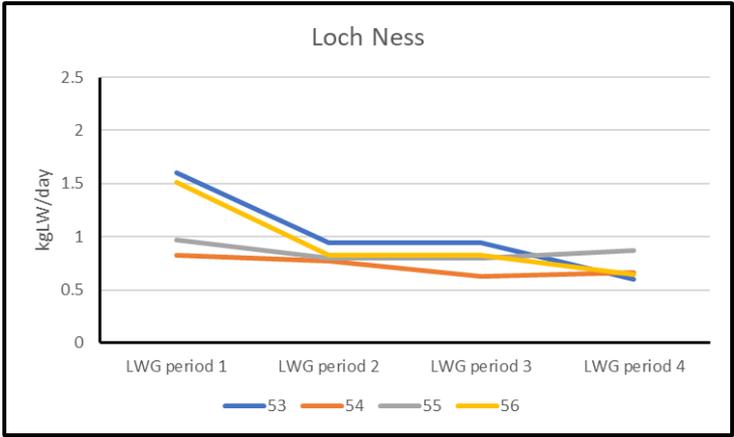
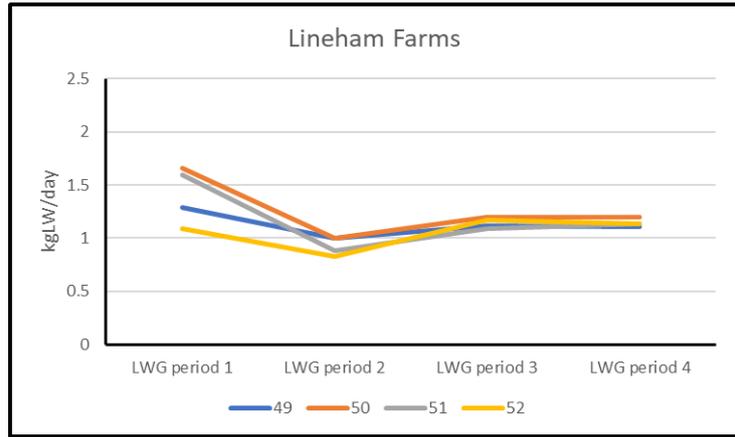
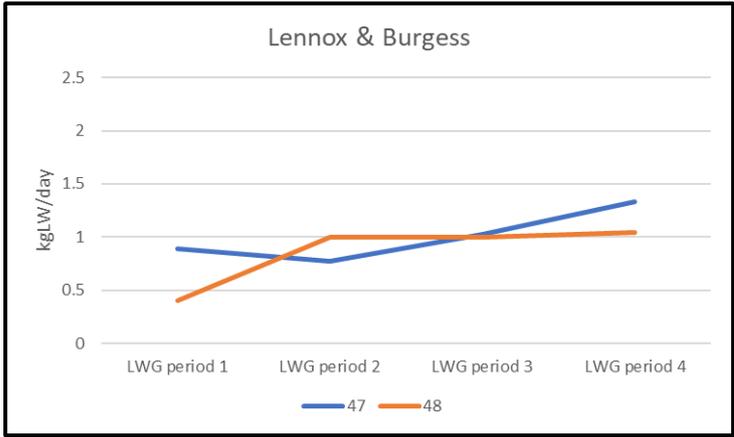


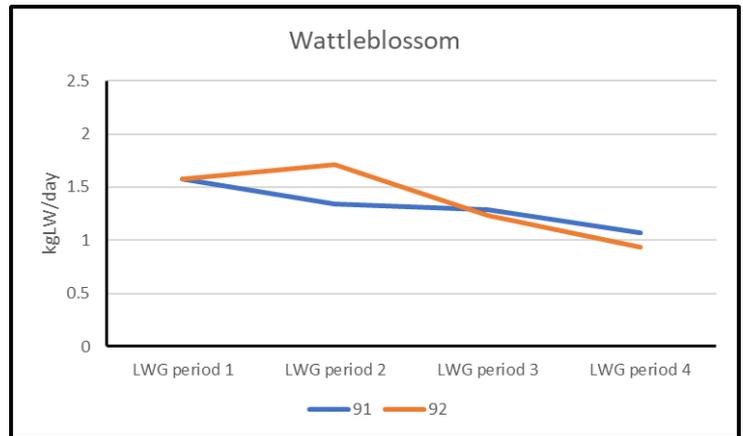
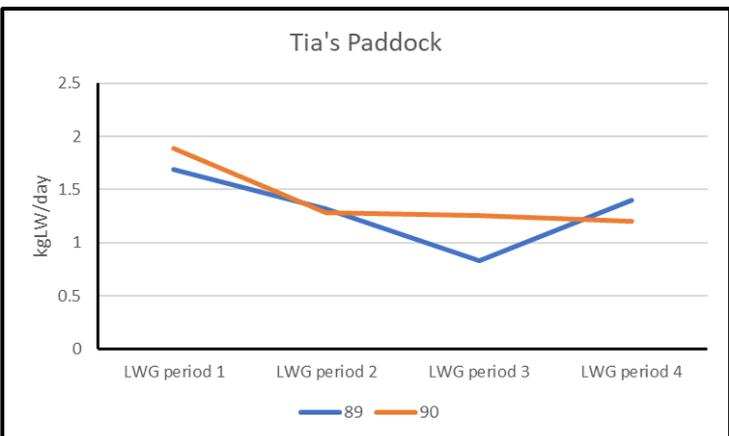
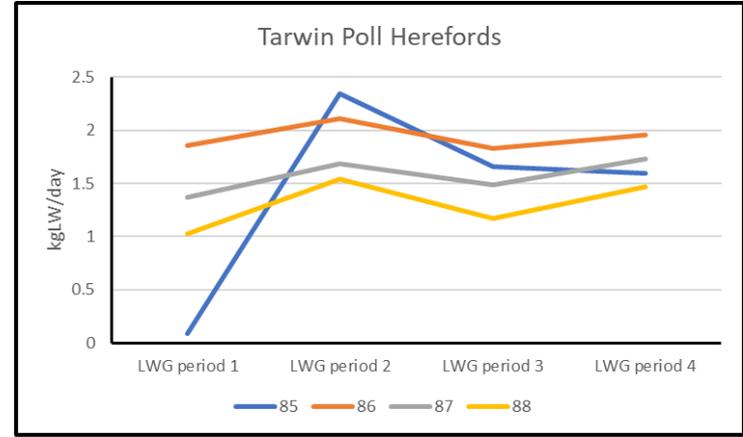
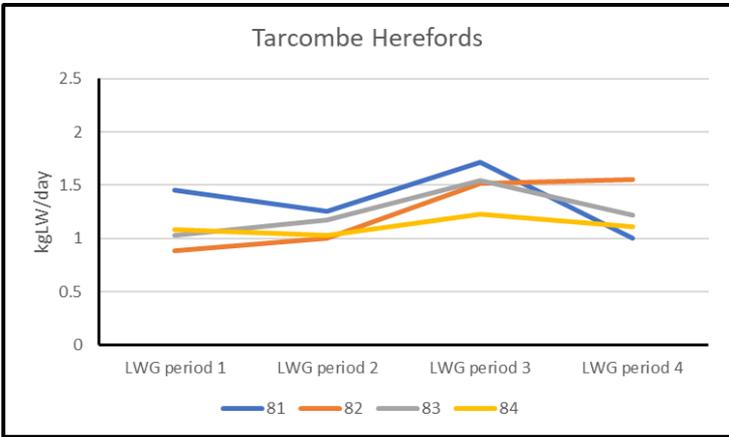
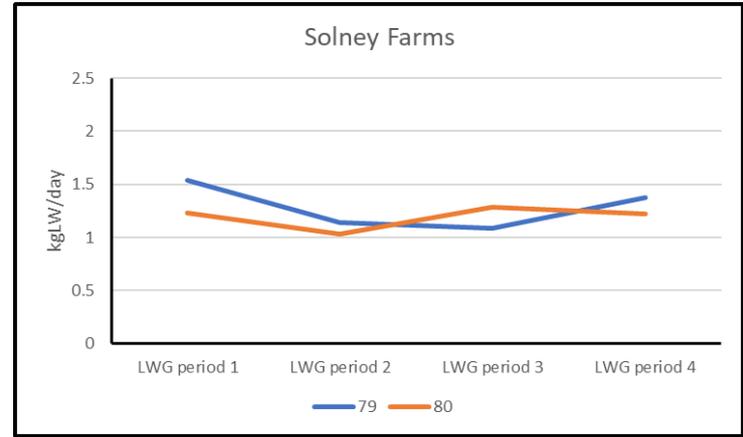
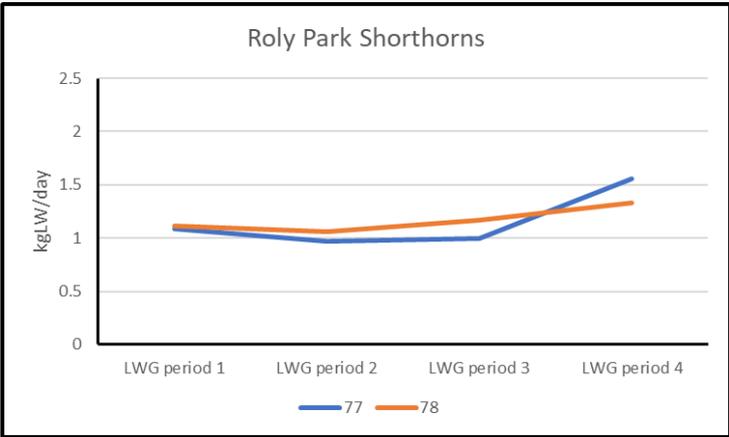
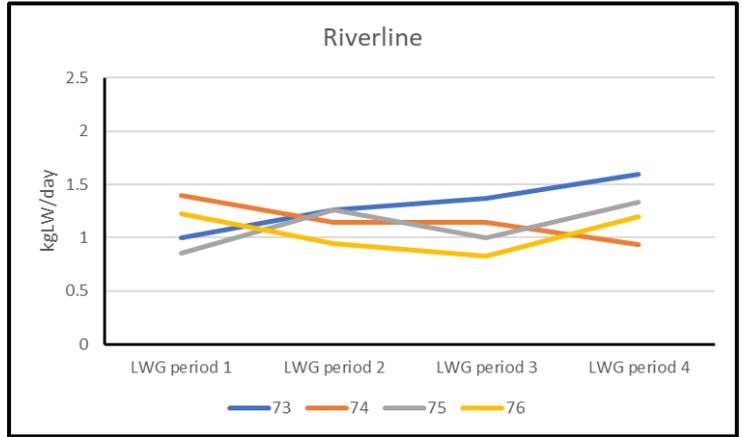
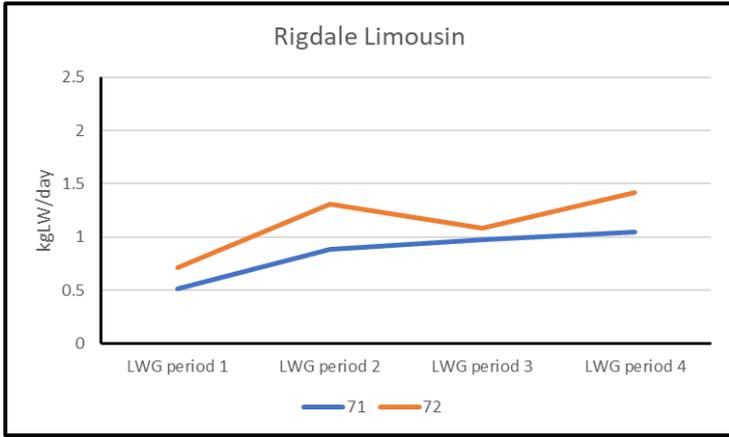
**Individual steer daily liveweight gain across the weighing dates.**

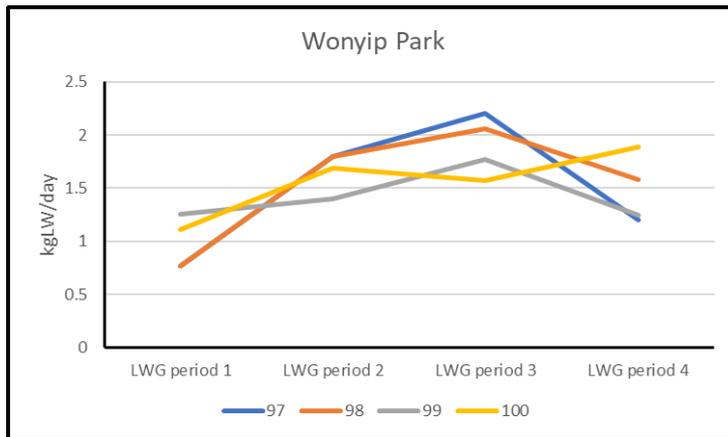
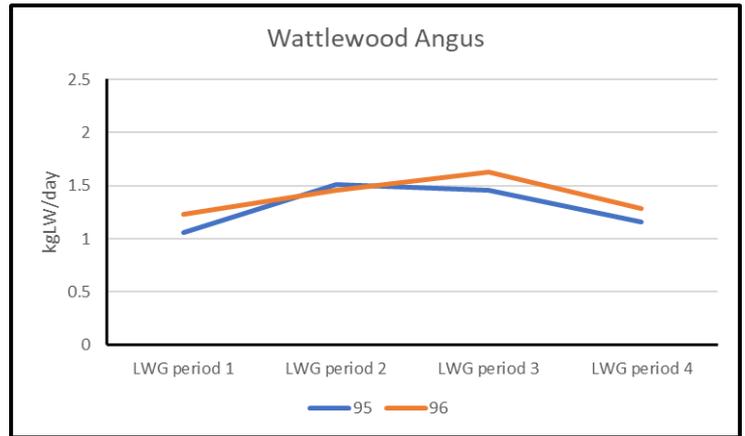
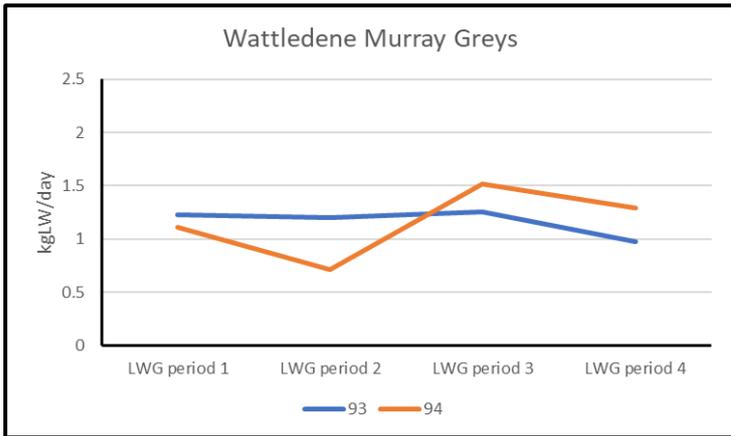
The number next to coloured line is the Lardner Park ear tag number of the steer











### Cattle Performance Analysis – Carcase Performance

Seven steers (or 7%) were outside specifications for carcase weight (and were awarded penalty points) – 6 were below the 220 kg carcase weight target, weighing 206.5, 208.5, 216, 218 and 2 steers at 219.5 kg. 1 steer was above the upper limit of 330 kg with a weight of 339.5 kg. FYI – in 2024 3.4% (3 steers) were outside carcase weight specifications

Three steers (3%) received no eating quality points due to missing specifications required for MSA grading – the 3 steers failed on pH and associated meat colour. The failed pH's were recorded as 5.95 (meat colour 4), 6.12 (meat colour 5) and 6.19 (meat colour of 5). FYI – in 2024 6.7% (6 steers) lost points for failed pH and associated dark cutting

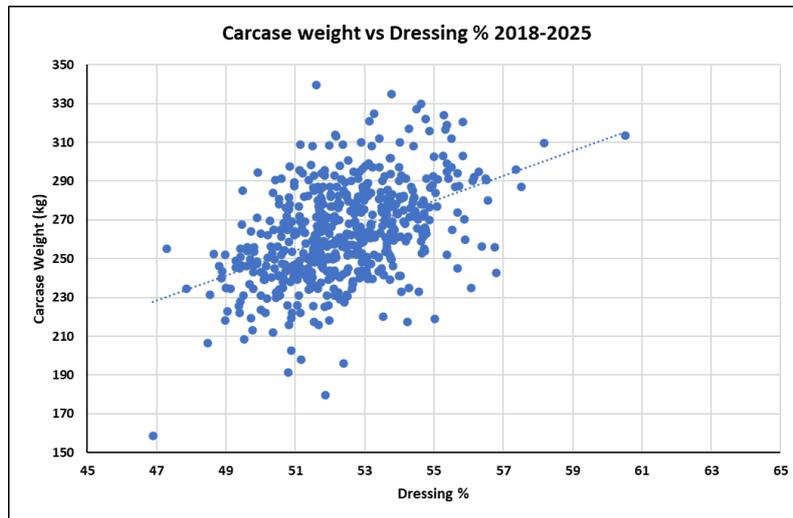
### Steer Trial Carcase Performance across the years

Carcase details	2025	2024	2023	2022	2021	2019
Av Carcase Weight (kg)	257.2	259.5	269.8	269.2	257.6	275.9
Av Dressing %	51.5	51.7	52.7	53.6	53	53
Av P8 Fat Depth (mm)	7.1	6.4	7.7	7.3	6.4	7.3
Av rib fat (mm)	5.4	5.4	6	4.9	5.3	5.1
Av Eye Muscle Area (sq cm)	70.4	62.9	66.0	70.6	67.4	67.9
Av pH	5.60	5.60	5.54	5.59	5.52	5.51
Av Ossification Score	122	125.4	123	120.1	125	121.5
Av MSA Index	62.2	61.2	61.72	61.46	60.45	61.72

In 2025 the average Dressing % ranged from 47.3% up to 56.2%. The steer that dressed out at 47.3% was a Poll Hereford (the other steer of the pair dressed out at 52.2%). The steer that dressed out at 56.2% was a Speckle Park (the other steer of the pair dressed out at 53.8%).

What is the relationship between carcass weight and dressing percentage?

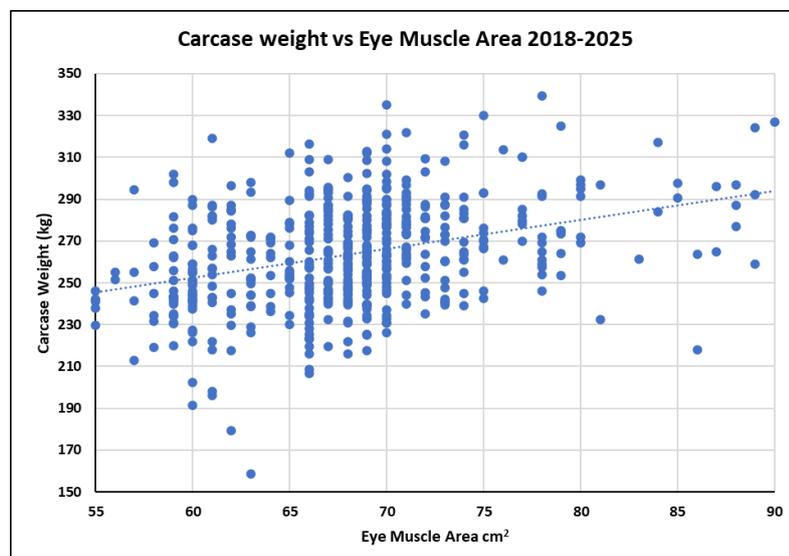
As a rough rule – a higher carcass weight should result in an improved dressing percentage.



Eye Muscle Area in 2025 ranged from 60 sq cm to 89 sq cm. The largest EMA came from a Speckle Park (the other steer of the pair had an EMA of 72 sq cm). The smallest EMA came from two Angus and a Hereford (the other steers of the pairs had a EMAs of 71 and 86 for the Angus and 75 for the Hereford). In 2024 the range was 46-73 sq cm.

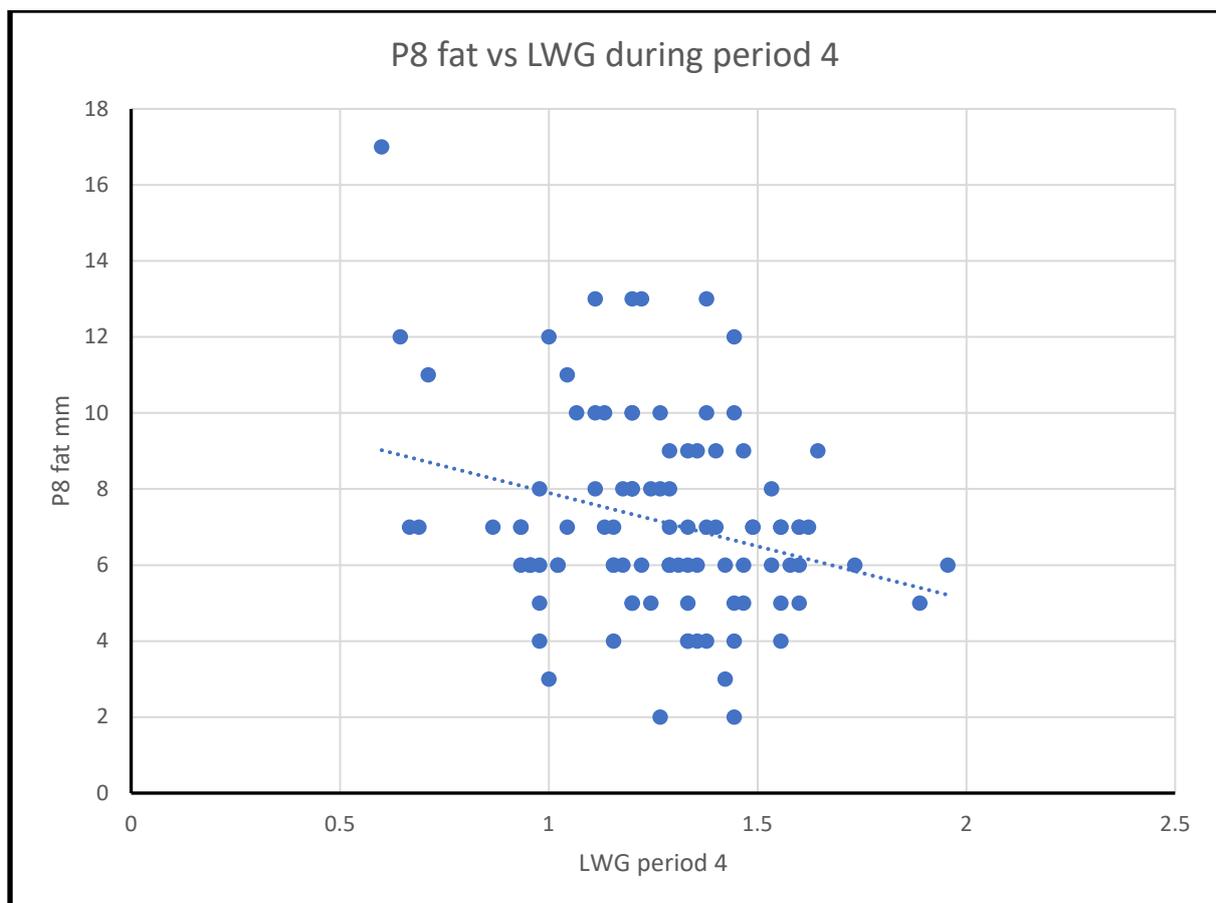
What is the relationship between carcass weight and eye muscle area?

There is a positive relationship between carcass weight and eye muscle area, so again as a rough rule if you increase the carcass weight of your steers you are likely to see an increase in the eye muscle size.



As stock grow, energy goes to laying down their skeleton first, then to muscle development and lastly to fat cover. Large framed cattle, particularly those with large volumes of muscle, can have difficulty laying down adequate fat cover at lighter turnoff weights and may need to be fed for a longer period of time to an appropriate level of fat.

As cattle reach maturity and begin to lay down more fat, growth rates tend to slow. It can be seen from the following graph that there is a rough relationship (line of best fit on the graph) between liveweight gain (LWG) and fat cover on the steers. A faster growth rate during this period generally resulted in a lower P8 fat measurement on slaughter. The faster growth rate at this time is indicating the steers are likely to have not yet reached maturity.



### **Fat distribution plays an important role at the abattoir and can impact on eating quality**

Fat distribution refers to the coverage and distribution of subcutaneous (external) fat on a carcass. An even coverage of subcutaneous fat leads to even chilling throughout the underlying muscles. The greater the fat depth on a carcass, the slower and more uniform the muscle chilling rate will be. Uneven fat coverage causes the muscles with inadequate coverage to chill at a faster rate, which can create cold shortening conditions near the surface and heat shortening in the deep core, affecting the eating quality of the meat. (source: MLA Tips and Tools – fat distribution and eating quality)

Points were awarded as follows for P8 fat:

P8 fat mm	2	3	4-14	15	16	17	18	19	20
Points	6	8	10	8	7	6	5	4	3

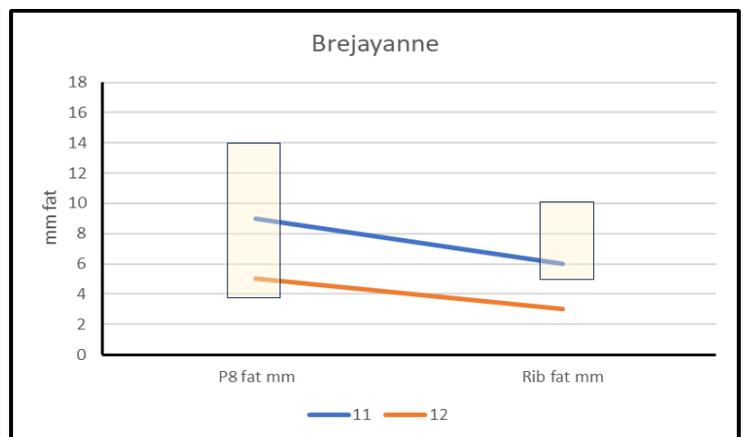
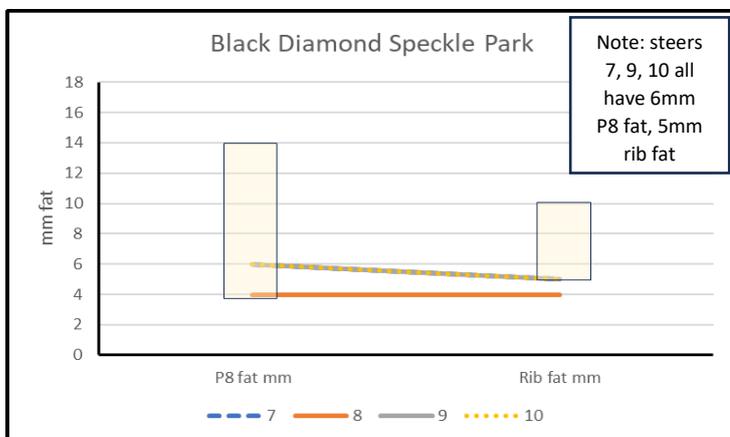
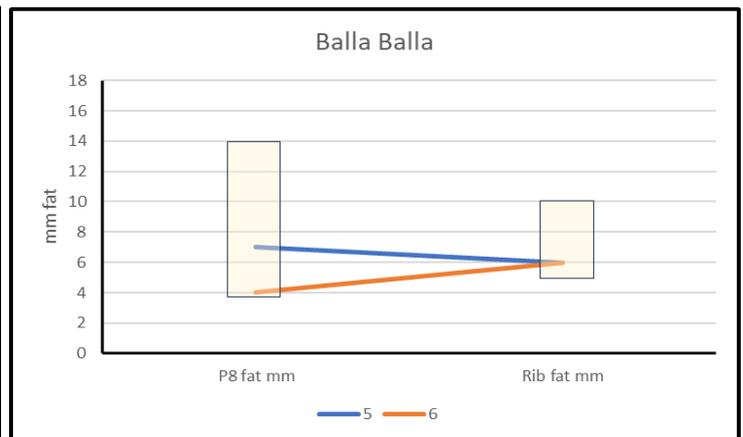
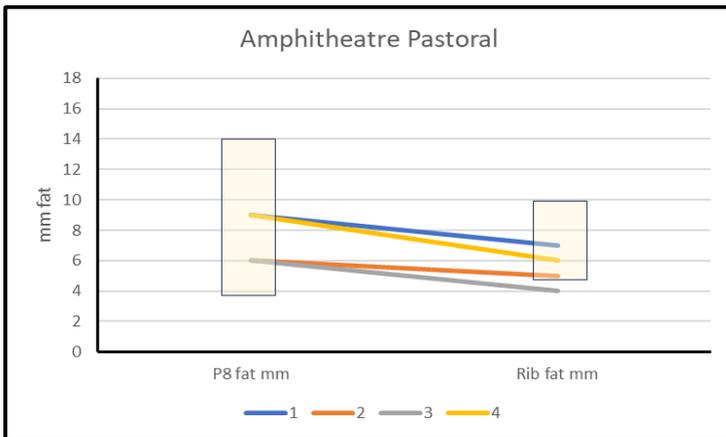
Points were awarded as follows for rib fat:

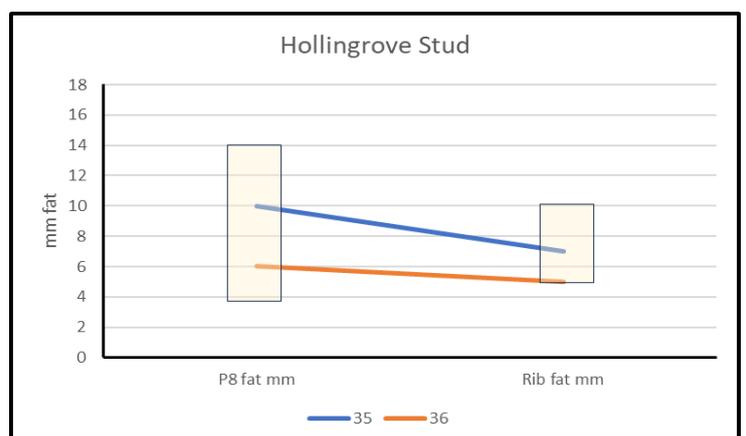
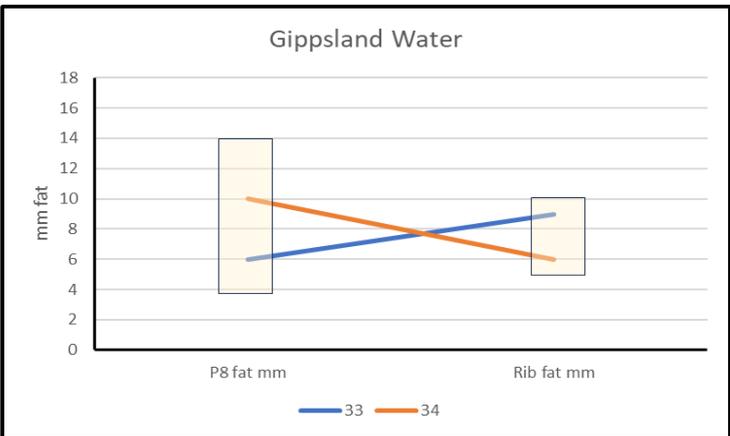
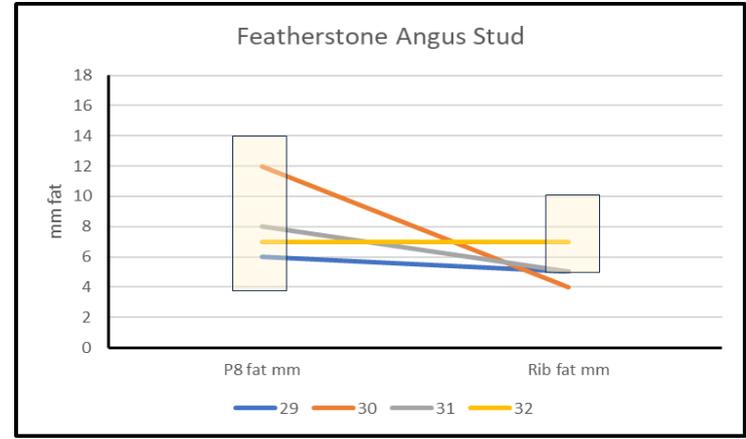
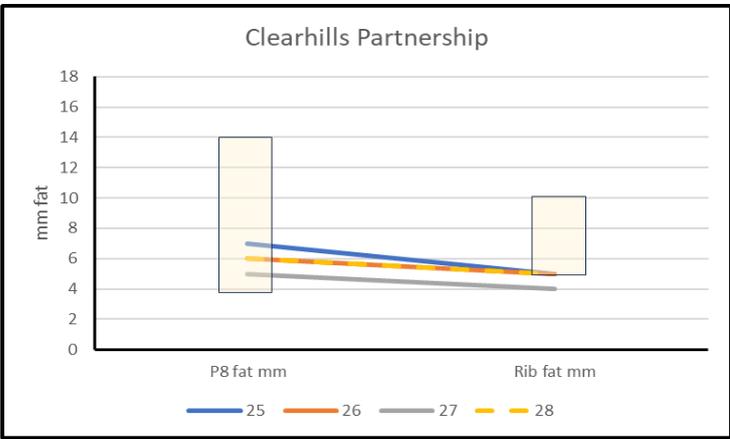
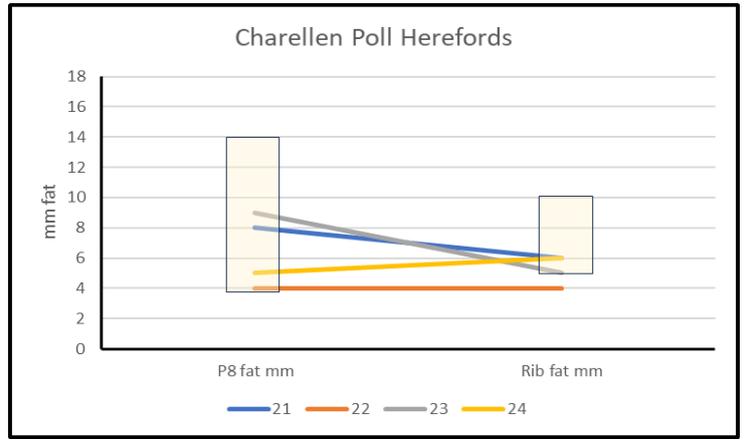
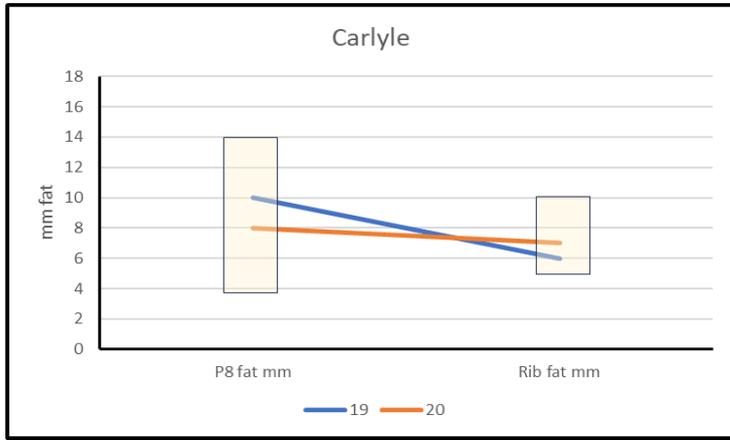
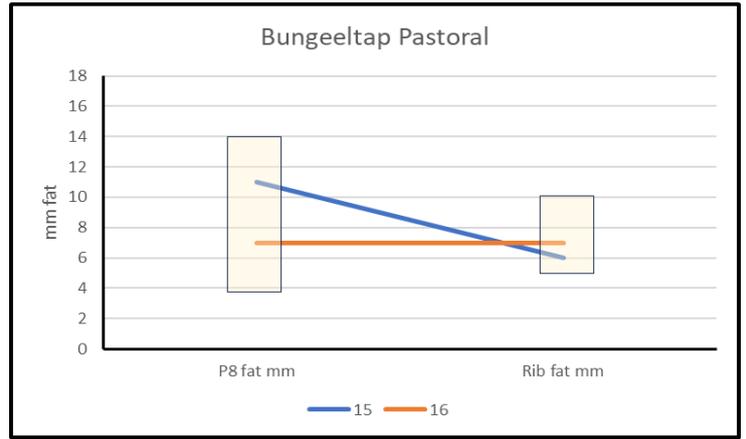
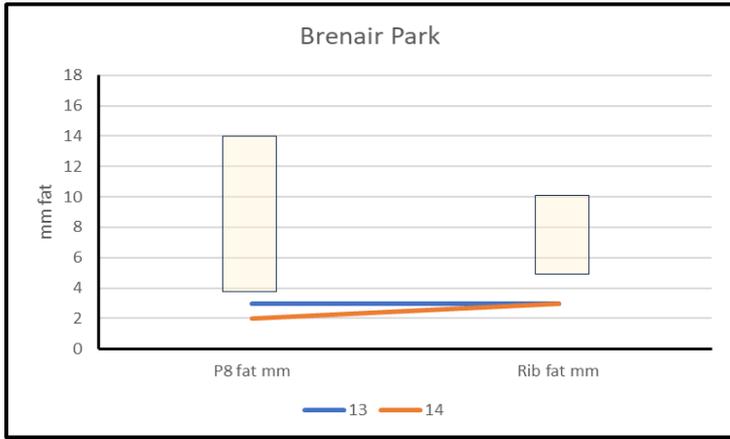
Rib fat mm	2	3	4	5-10	11-12	13	14	15	16
Points	0	8	12	15	11	10	9	8	0

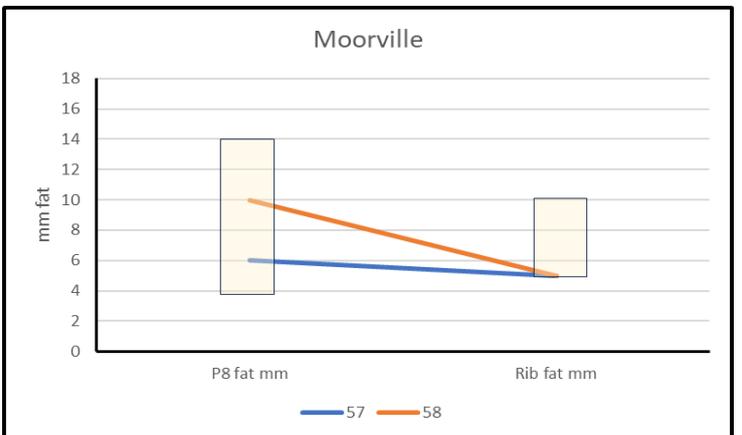
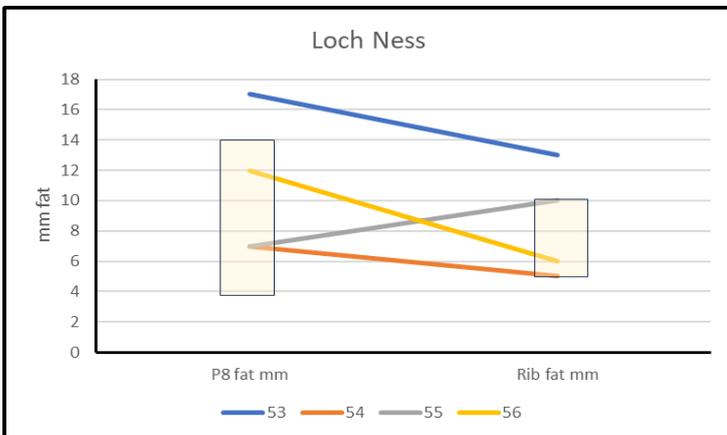
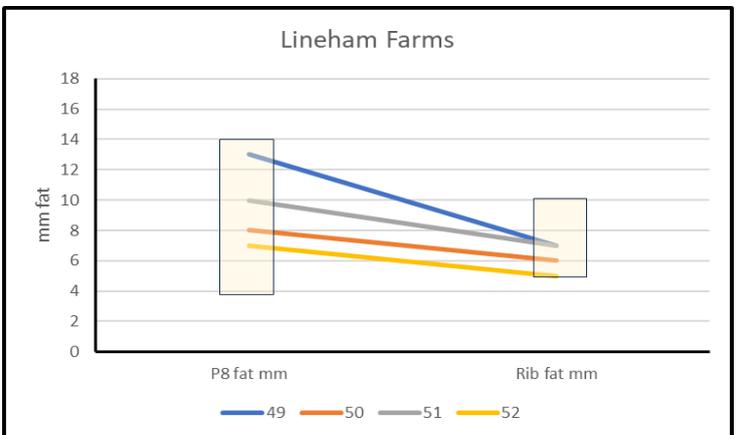
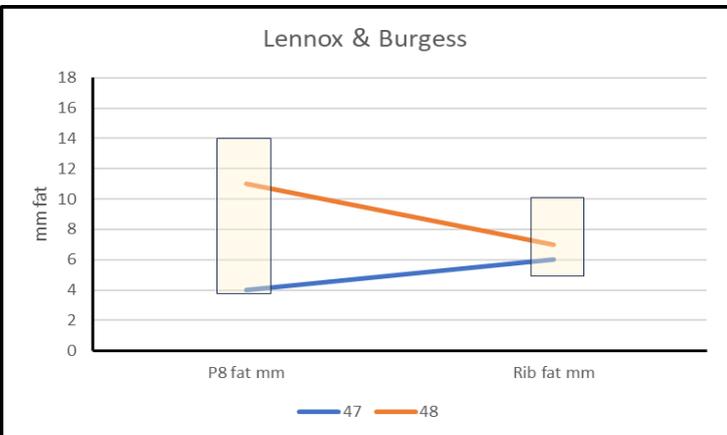
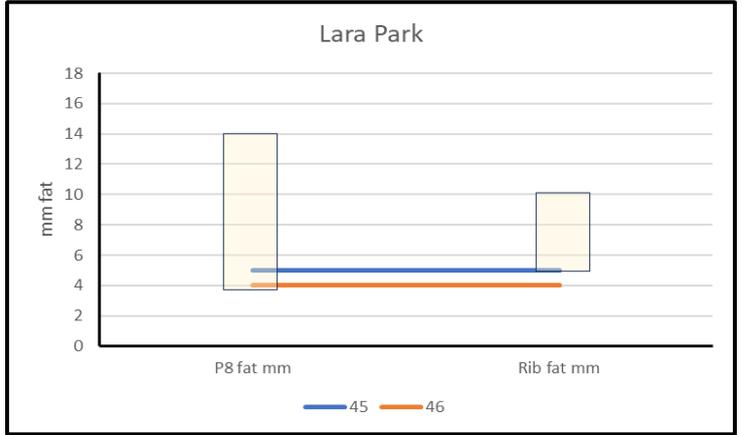
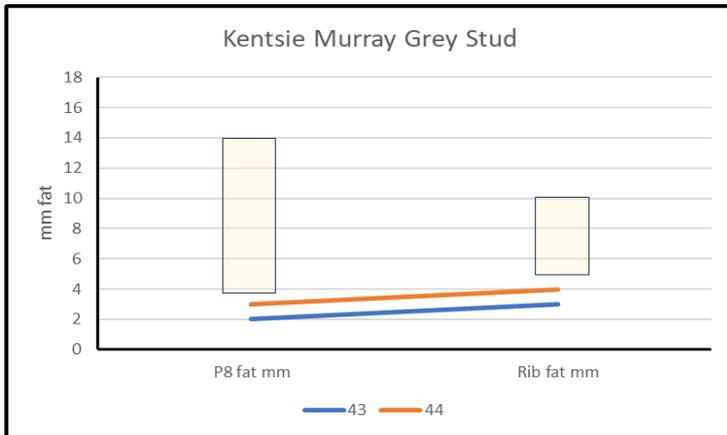
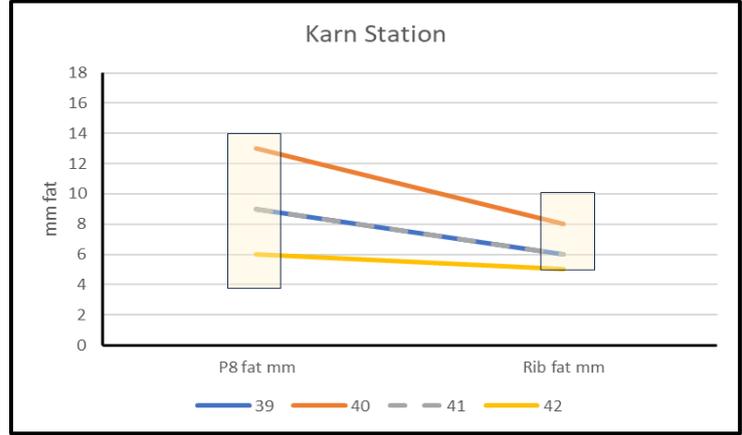
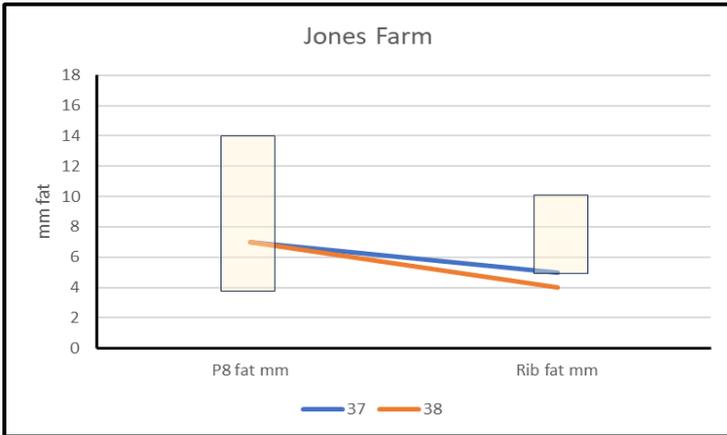
It may be acceptable to have uneven fat measurements on an animal if it is being marketed to the commercial producer as an animal that can be used to correct fat issues in the commercial herd. For example the commercial herd may have an issue of having not enough rib fat but adequate P8 fat. They may choose to use a bull with slightly higher than desired rib fat levels (but adequate P8 fat levels) to make a quick correction in their herd to better meet market specifications. However, if retaining heifer calves as future breeders they may then need to revert to a bull that has a more even distribution to maintain an even distribution in their herd.

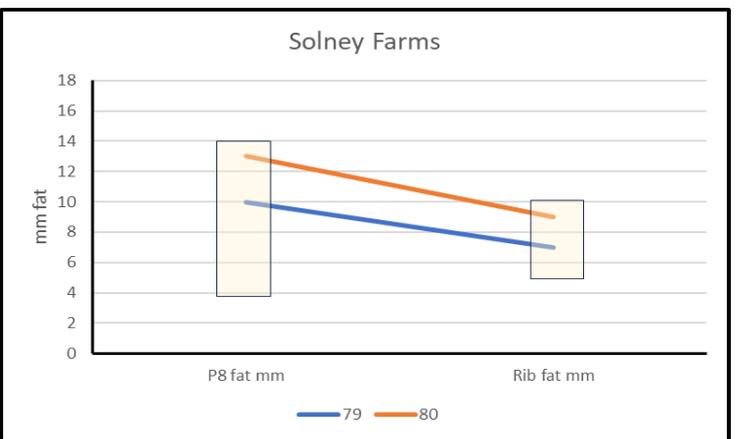
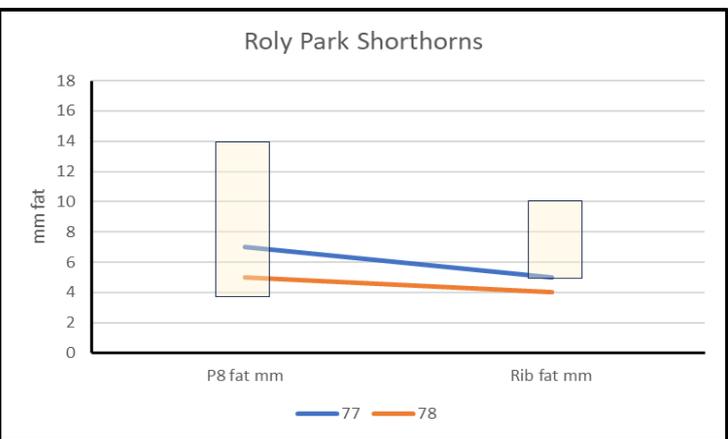
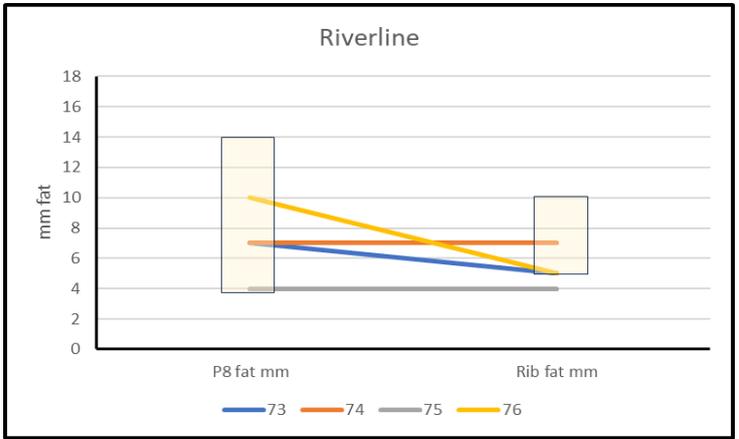
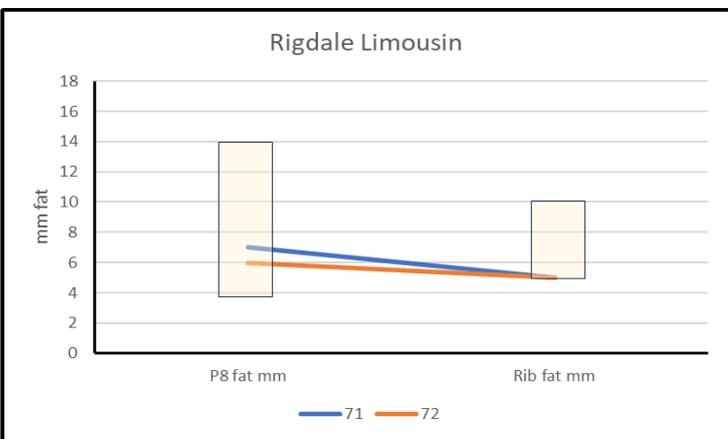
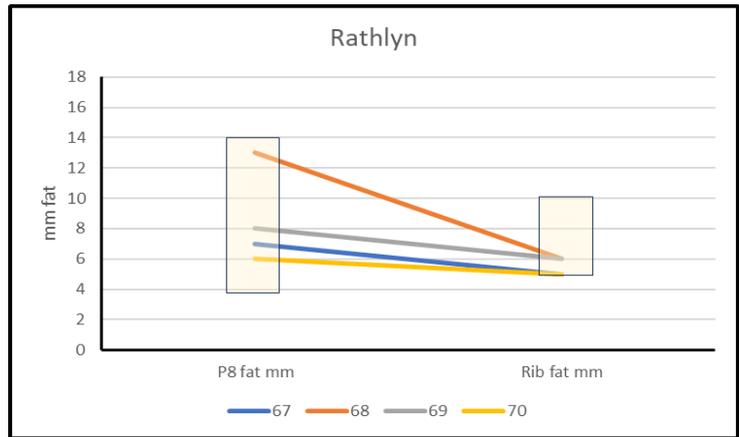
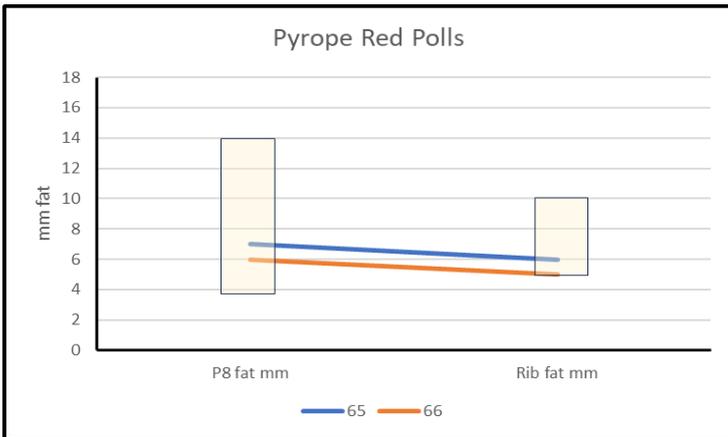
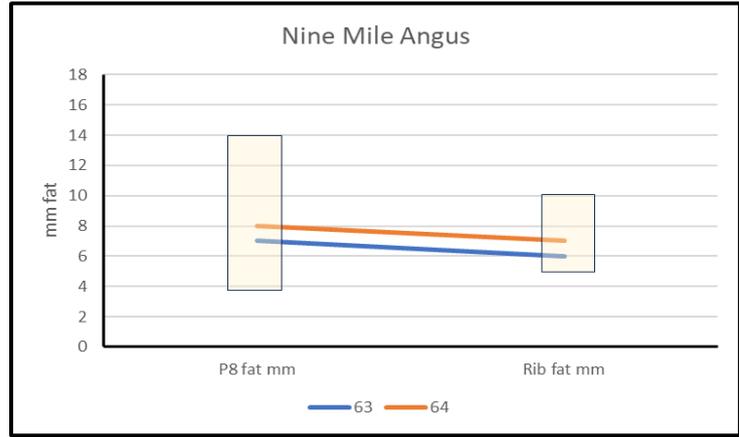
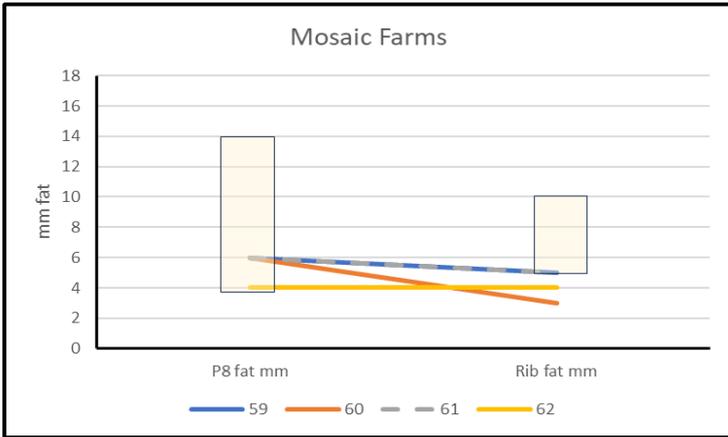
**Following are the graphs of each entrants' teams of steers showing the rib fat and P8 fat measurements.**

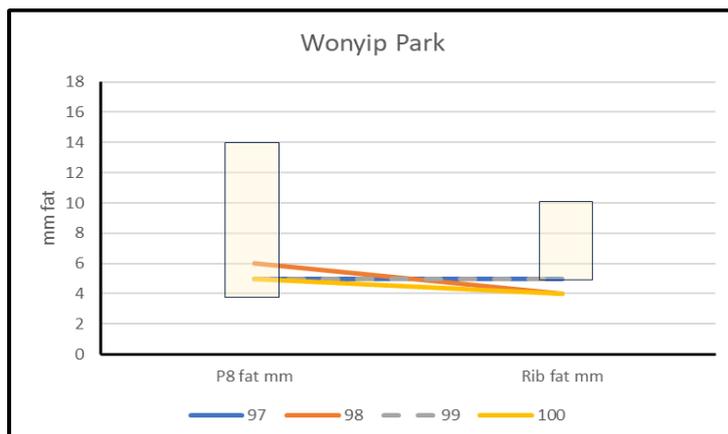
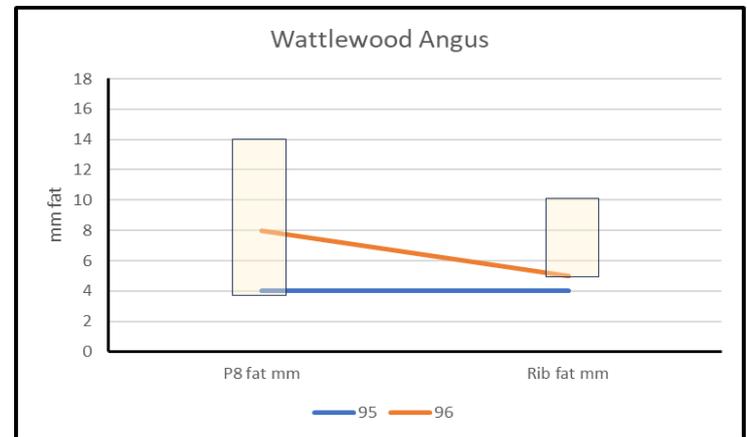
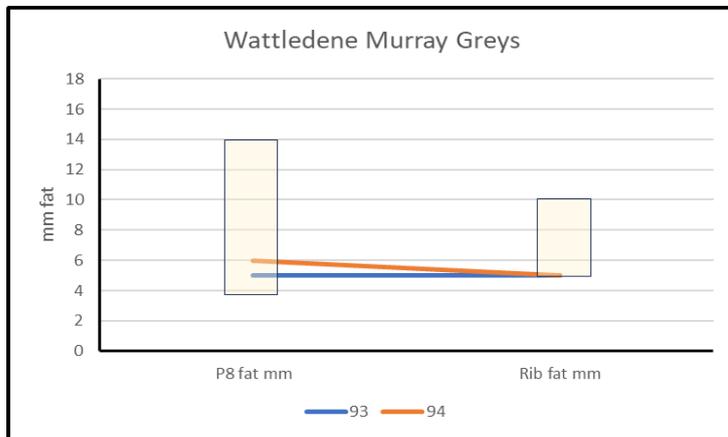
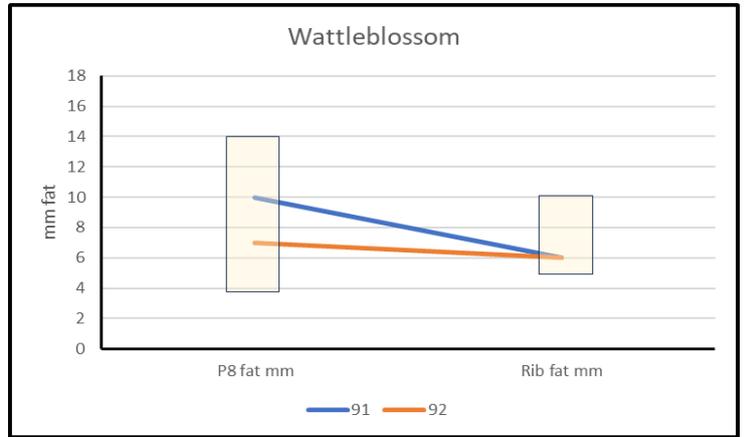
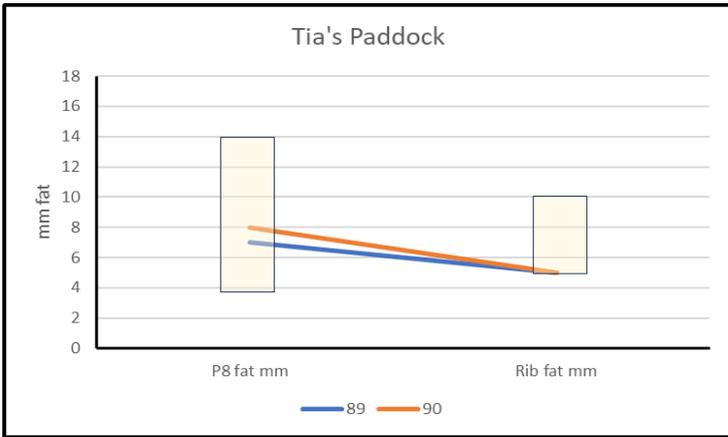
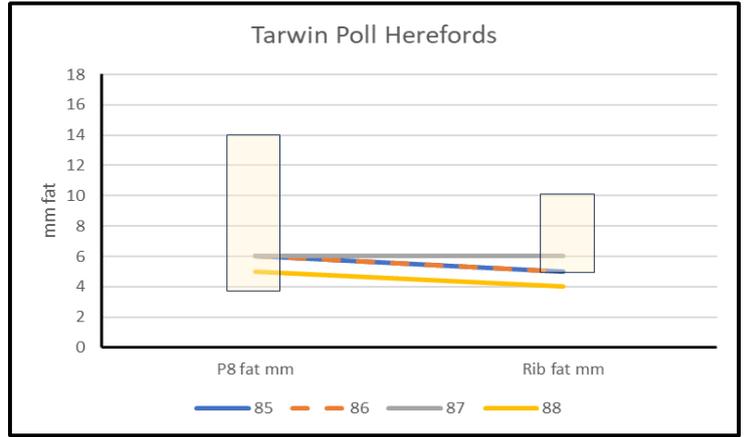
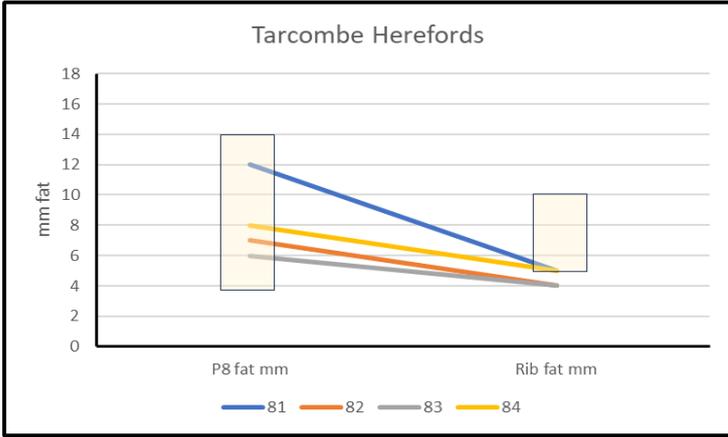
Note – the **rectangles** on the graph are the **preferred** fat ranges.

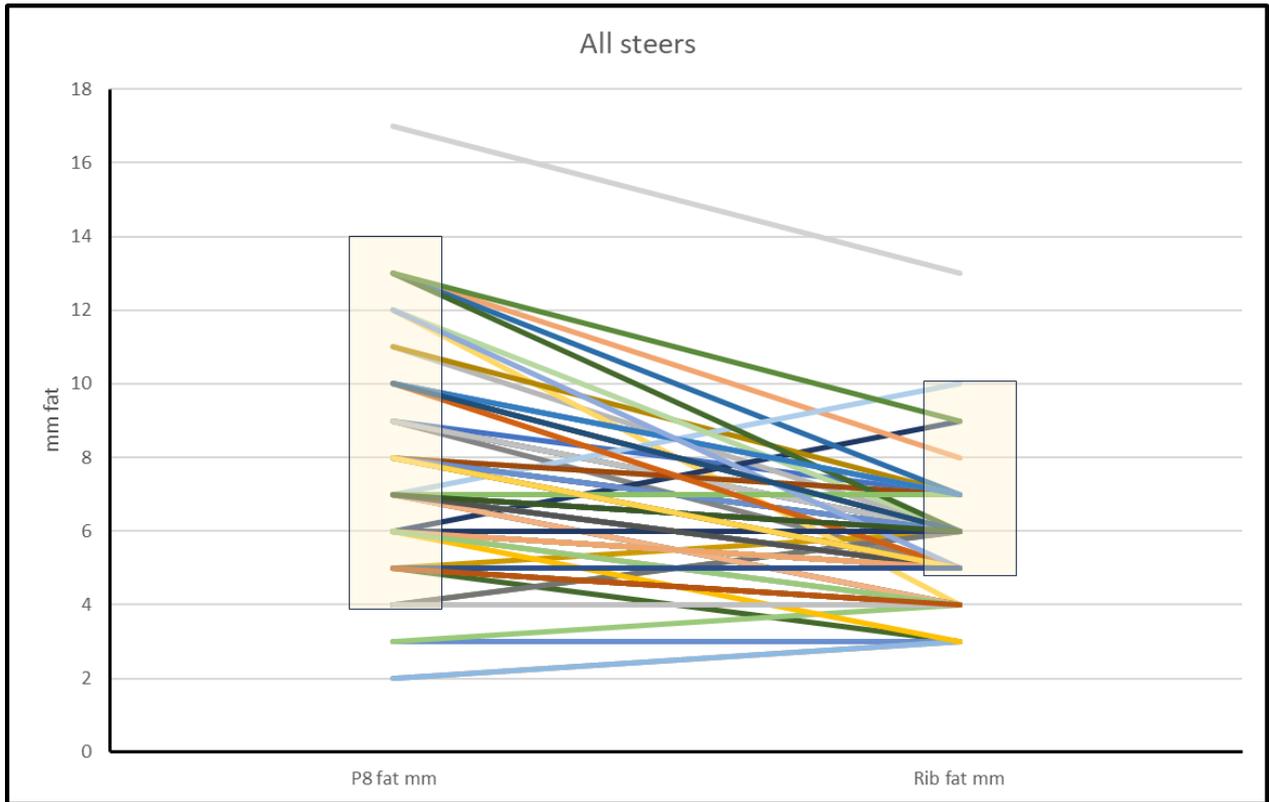










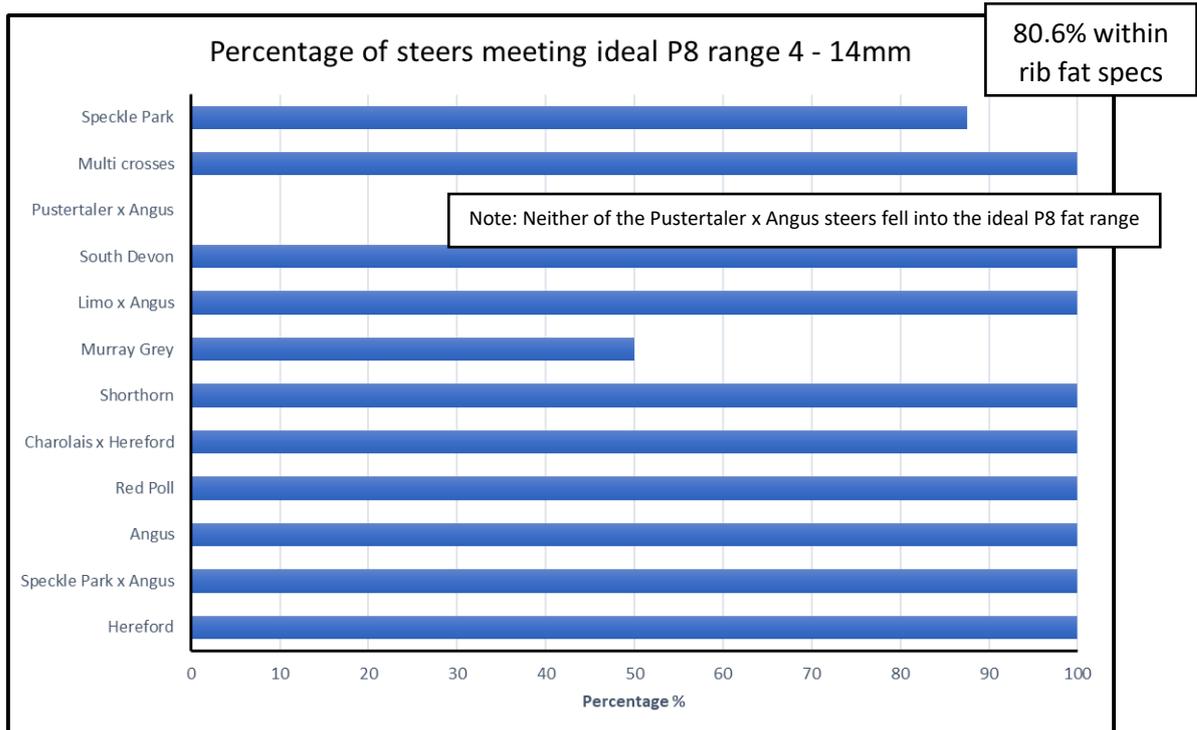


With a change in the P8 fat specifications altering from 8-14mm last year and expanded to 4-14mm this year, 94.9% of steers managed to meet P8 specifications for the Coles Graze program.

80.6% of the steers were within the ideal range of 5-10mm for rib fat measurements. This is an improvement where only 73% of steers were in the ideal range. In 2023, 93% of the steers were within the ideal range and 2022 59%.

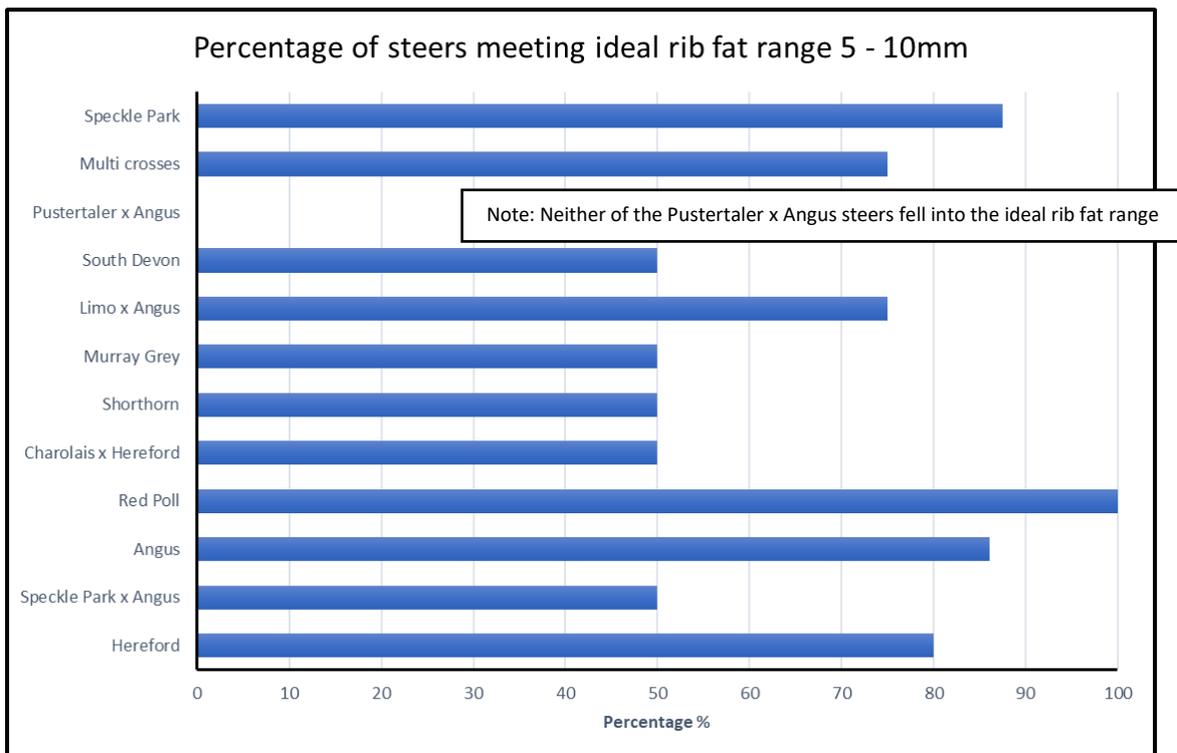
94.9% within P8 fat specs

**Battle of the Breeds – Steers meeting ideal P8 range of 4 -14mm**



- 1 Speckle Park steer missed P8 fat specifications – recording a P8 fat of 17mm
- 2 Murray Grey steers missed P8 fat specifications – recording P8 fats of 2 and 3 mm
- Both Pustertaler x Angus steers missed P8 fat specifications – recording P8 fat readings of 2 and 3mm

**Battle of the Breeds – Steers meeting ideal Rib fat range of 5-10mm**



**Missed rib fat specifications:**

- 1 Speckle Park steer recording 13mm rib fat
- 1 Multi cross steer – Balancer-Red Angus/Gelbvieh - recording 4mm rib fat
- Both Pustertaler x Angus steers recording 3mm rib fat each
- 1 South Devon recording 3mm rib fat
- 1 Limousin x Angus steer recording 4 mm rib fat
- 2 Murray Grey steers recording 3 and 4mm rib fat
- 1 Shorthorn steer recording 4mm rib fat
- 1 Charolais x Hereford recording 4mm rib fat
- 5 Angus steers with all recording 4mm rib fat
- 4 Speckle Park x Angus steers with 3 steers recording 4mm rib fat and the other steer recording 3mm rib fat
- 4 Hereford steers all recording 4mm rib fat

## MSA Index

The MSA Index is a number between 30 to 80, representing the eating quality potential of the whole carcase.

MSA eating quality scores are the combination of tenderness, juiciness, flavour and overall liking of beef. The MSA Index is a weighted average of these scores for the 39 MSA cuts for the most common corresponding cooking method.

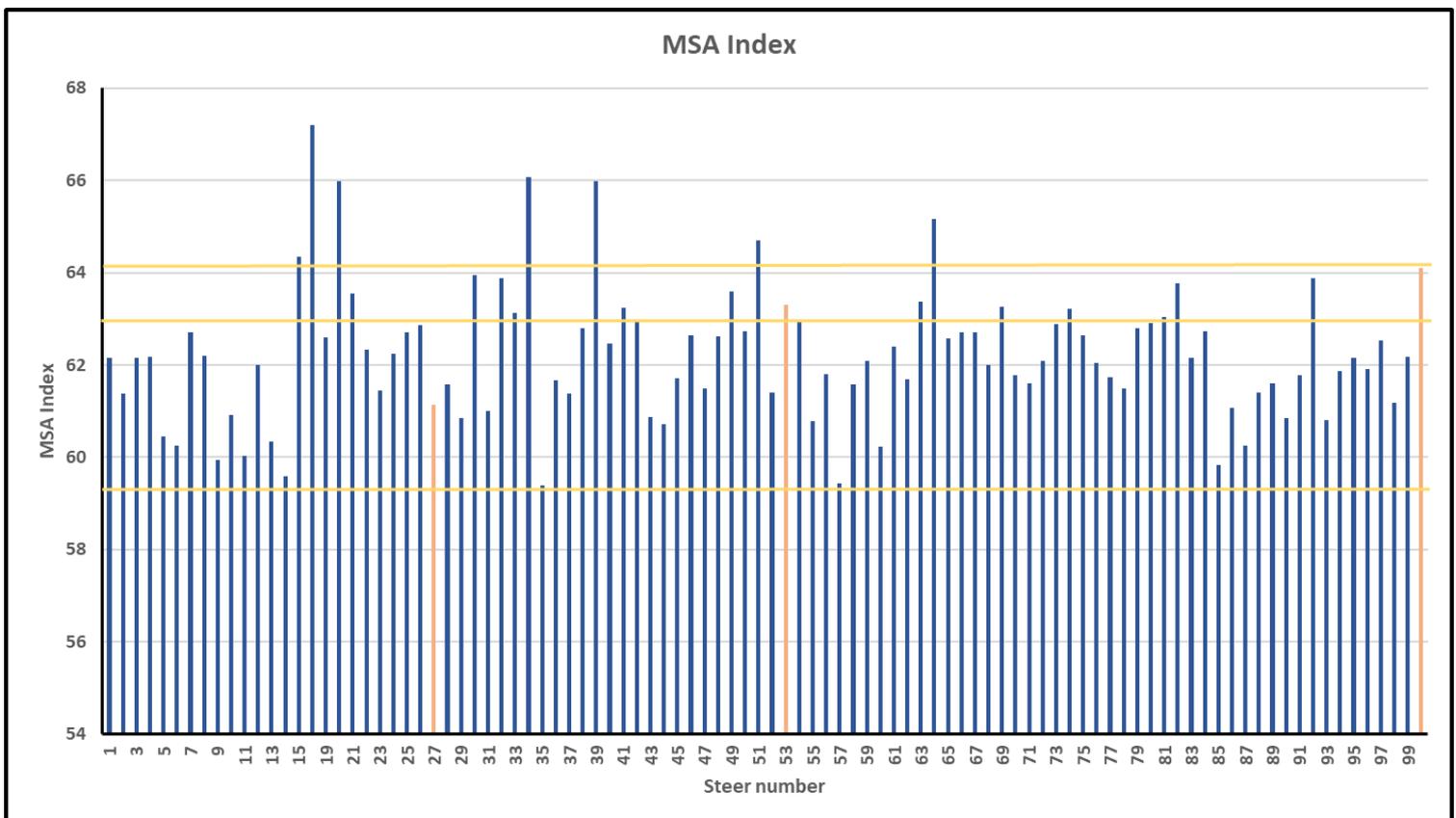
*Note: Steers that did not meet MSA grading criteria (classified as dark cutters due to high pH and meat colour or rib fat <3mm) were given an Opportunity Index. This has recently been introduced by MSA to show producers what their Index would have been if non-compliant carcasses had met the MSA minimum requirements. More detail can be found here:*

<https://www.mla.com.au/globalassets/mla-corporate/marketing-beef-and-lamb/documents/meat-standards-australia/msa-changes-2019/opportunity-index-factsheet.pdf>

The following graphs highlight how the steers in the Lardner Park steer trial scored for MSA Index

**Note: the top line indicates highest 5% (index score 64.03), middle line indicates highest 10% (index score 62.96) and bottom line indicates the 50% (median, index score 59.34) of MSA Index scores for Non-Grainfed cattle in Australia (2024-25)**

The orange bars are the steers that have an Opportunity Index rather than a MSA Index

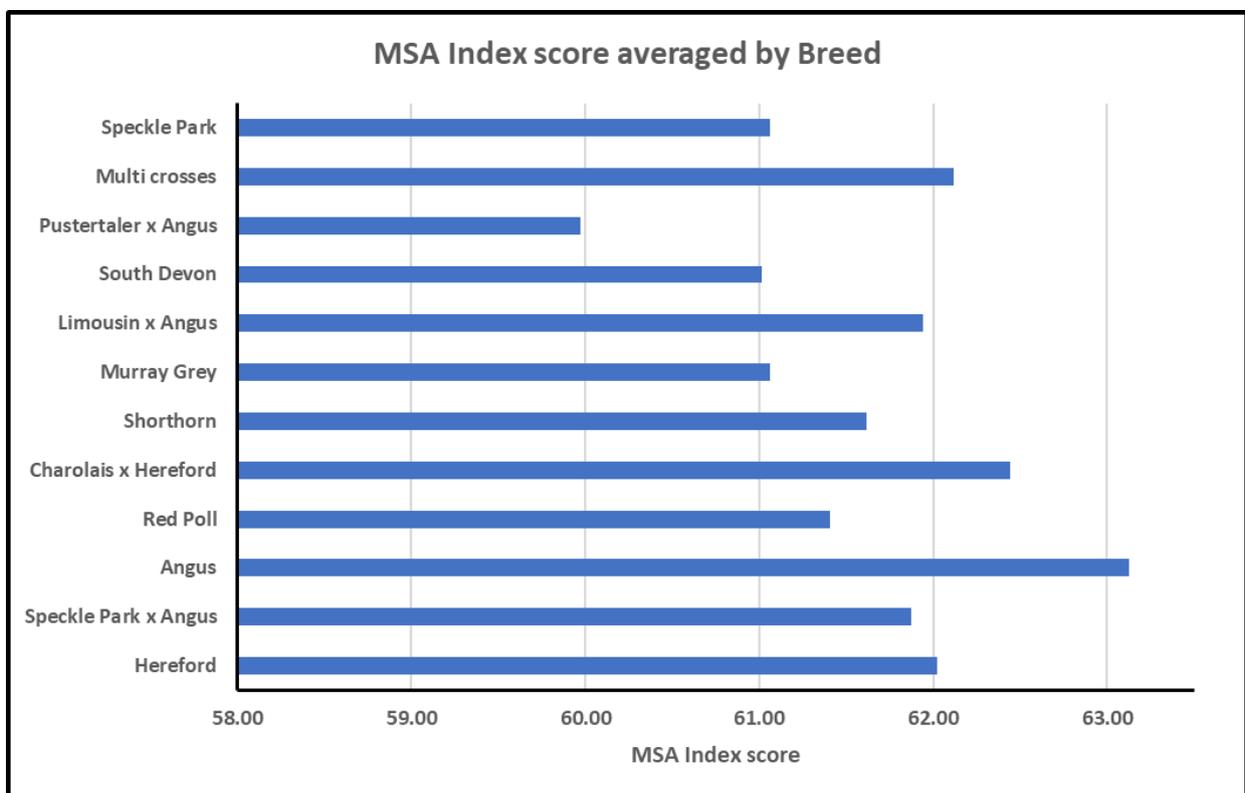


1 steer – an Angus from Bungeeltap Pastoral (steer 16) – returned an MSA Index in the top 1% based on percentile bands for 2024-25, with an index of 67.2. The other steer of the pair returned an index of 64.35, putting that steer in the top 5% band.

6 steers in this years trial finished with MSA indexes in the top 5% - steers from Gippsland Water (steer 34), Karn Station (steer 39), Carlyle (steer 20), Nine Mile (steer 64) , Lineham Farms (steer 51) and Bungeeltap Pastoral (steer 15).

14 steers finished with MSA indexes in the top 10% - 2 steers from Featherstone (steers 30 & 32), 2 steers from Tarcombe (steers 81 & 82), and steers from Wattleblossom (steer 92), Lineham Farms (steer 49), Charellen (steer 21), Bungeeltap (steer 18), Nine Mile (steer 63), Rathlyn (steer 69), Karn Station (steer 41), Riverline (steer 74), Gippsland Water (steer 33) and Loch Ness (steer 54).

***Battle of the Breeds – MSA Index (averaged) by breed***



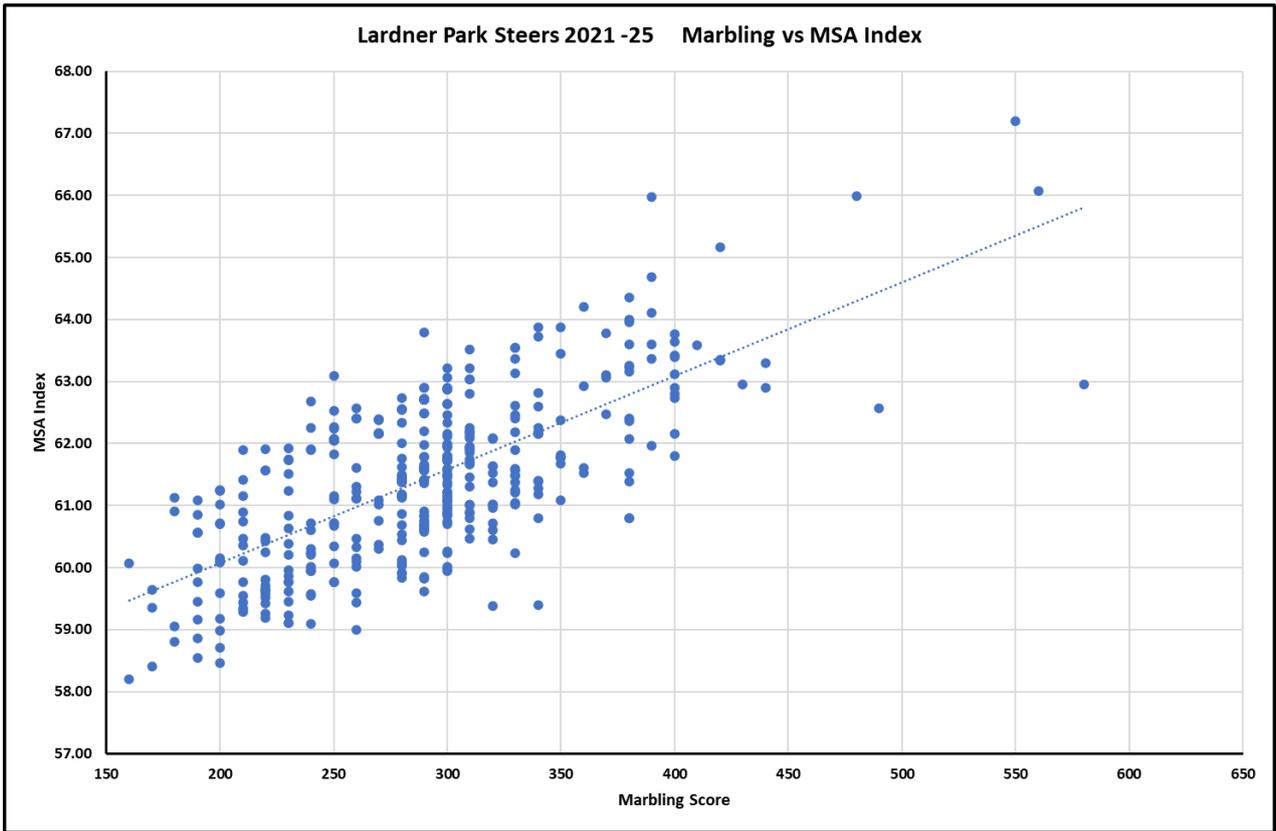
Three steers did not receive MSA Indexes due to having elevated pH levels and being classified as dark cutters – an Angus, a Speckle Park and a Speckle Park x Angus

There is an opportunity to increase MSA Index values through genetic selection.

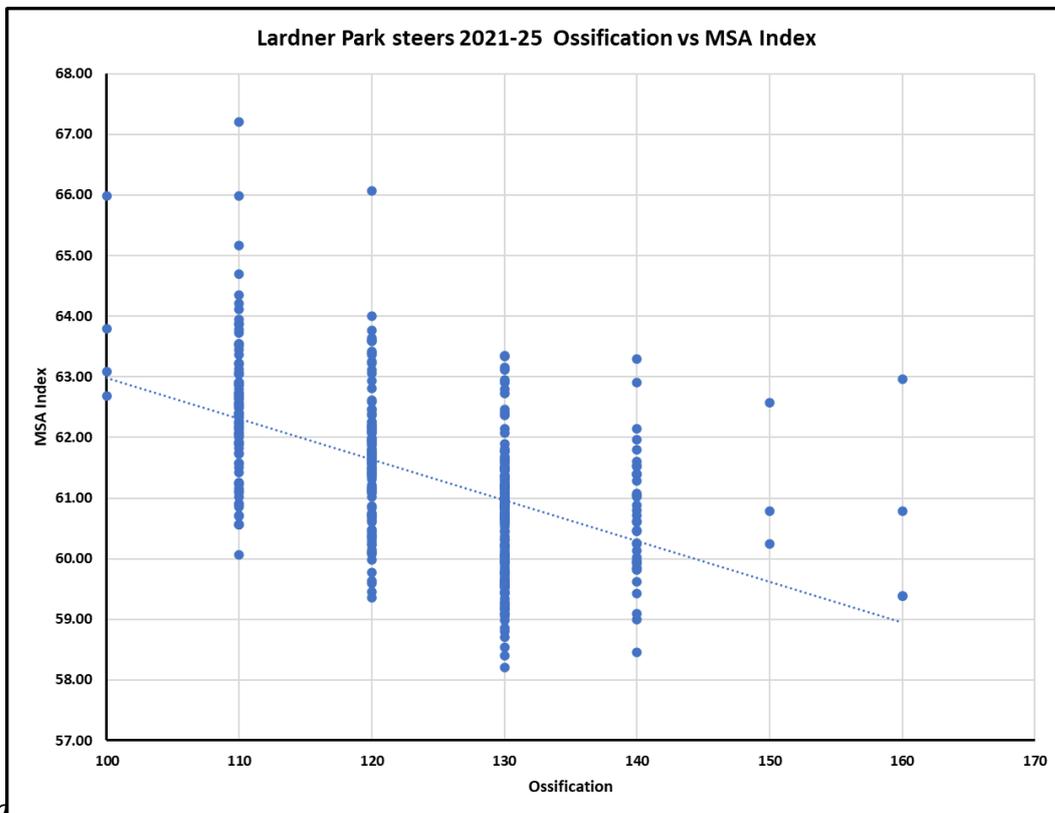
For further information in regards to the following attributes and impacts on MSA Index, please see the Tips and Tools at the following link:

<https://www.mla.com.au/marketing-beef-and-lamb/meat-standards-australia/msa-beef/>

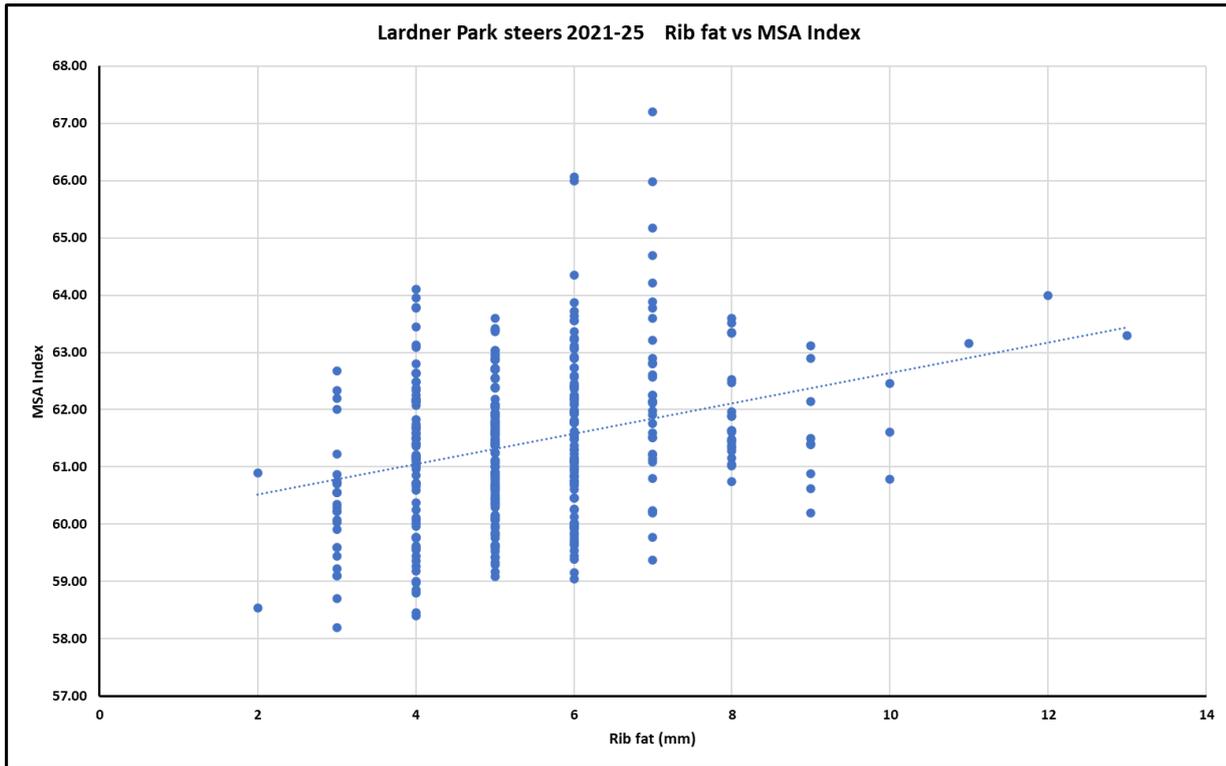
*Marbling: an increase in the MSA marble score of 100, equates to a 1.5 unit increase in the MSA Index. MSA marbling in the steer trial ranged from 160 up to 380. Selection for improved MSA marble score can be achieved by selecting animals with higher Intramuscular Fat (IMF) EBVs*



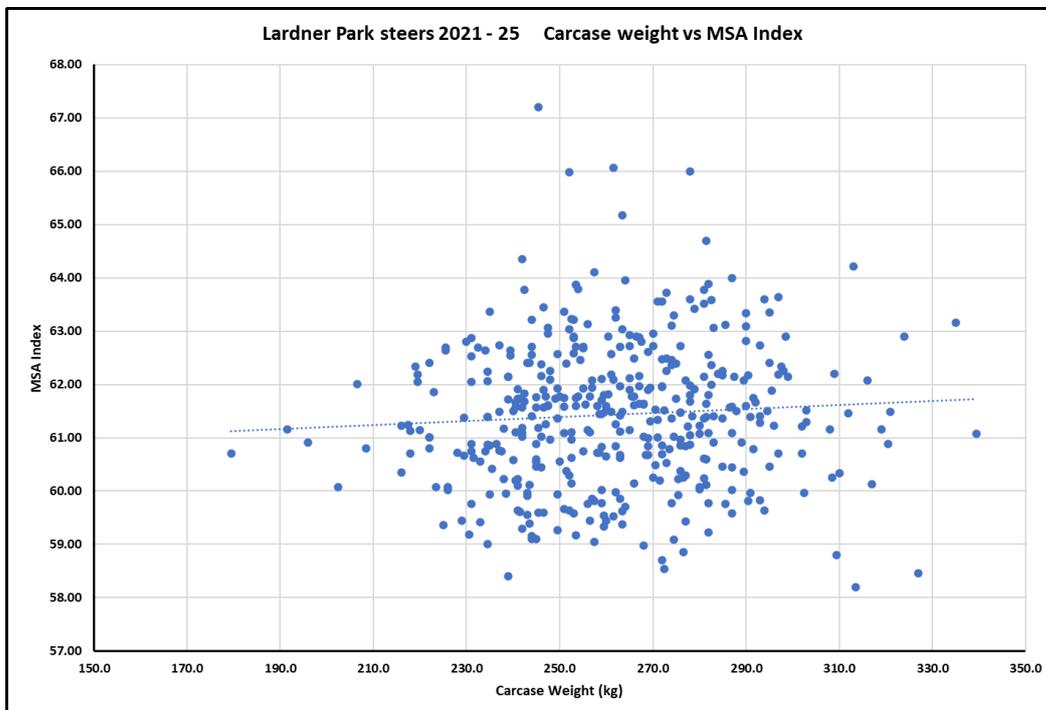
Ossification: The graph shows as ossification increases, the MSA Index decreases. As ossification scores decrease by 10, the MSA Index potentially increases by 0.6 index units. Ossification scores in the steer trial ranged from 110 -150. Selection for lower ossification scores can be achieved by selecting animals with higher 200 day growth, 400 and 600 day weight EBVs.



Rib fa



Carcase weight: carcass weight tends to only have a small impact on MSA Index, with MSA calculating that as HSCW increases by 1kg, the MSA Index will potentially increase by less than 0.01 index units. The data from the steer trial over the years shows carcass weight had very little influence on the MSA index.



### Age at finishing

Based on the birth dates of steers provided at registration, it is interesting to note the range in age at processing.

Overall, age at finish reflects animal genetics, pasture composition overlaid by livestock and pasture management within farm systems. The table and graph below show the estimated average, youngest 10% and oldest 10% groups' estimated age at processing for the 2025 steers.

The youngest 10% group's age at processing was 437 days (14.6 months) of age, the median (50%) group's age was 473 days (15.7 months) of age while the oldest 10% group's age was 600 days (20 months) of age. Average finishing age for the whole group was 502 days. On the basis of this finishing trial there appears to be potential to finish stock, depending on the farm system, at least one month younger on average. This would have a substantial impact in reducing greenhouse gas emissions in the beef supply chain.

Average **lifetime** daily gain (ADG kg/day) was 1.0 kg/day. The highest 10% lifetime growth rate was 1.2 kg/day and lowest 10% lifetime growth rate was 0.8 kg/day.

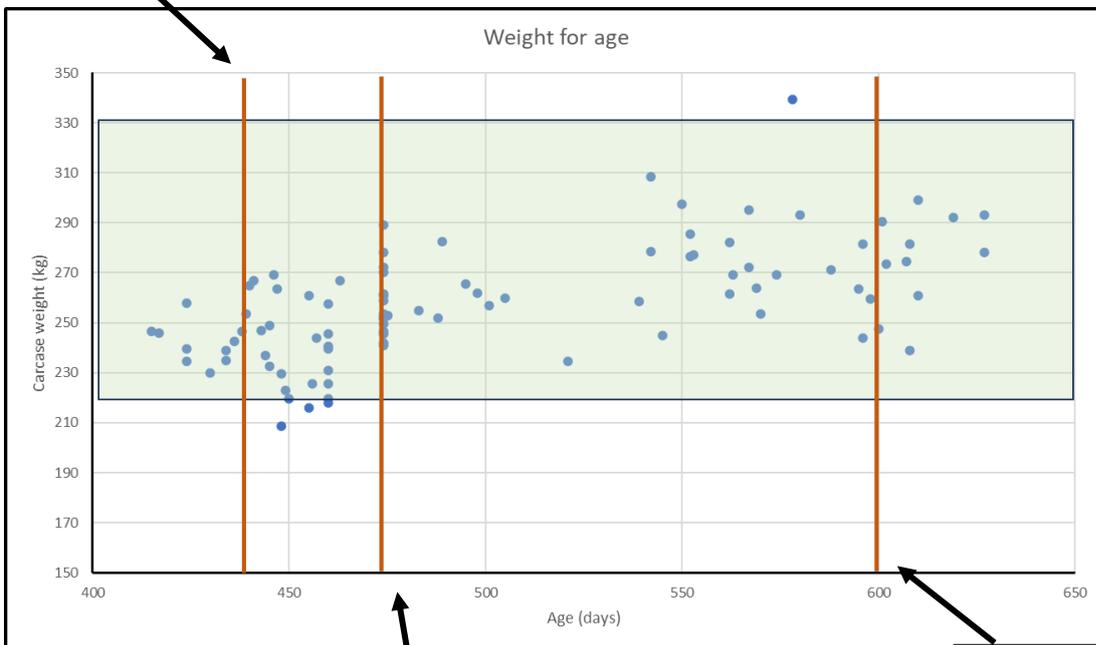
### What does this mean in terms of greenhouse gas emission estimates for the supply chain?

Shorter time to finish and process would likely result in a decreased emissions profile. In the future will the supply chain have a preference for stock reaching processing weights and specifications at a younger age? Younger finished stock will contribute less Scope 3 emissions at the processing level of the supply chain. Scope 3 emissions are indirect greenhouse gas emissions occurring as a consequence of the activities of a works, but from sources not owned or controlled by the processor, such as on farm.

Reflect on the lifetime production year for your steers in the finishing trial and consider whether any production constraint/s or stresses occurred in the production system that may have impacted lifetime performance.

	Estimated age at processing	Difference from median
Youngest 10% group age	437 days	-36 days
Median (50%) group age	473 days	
Average group age	502 days	
Oldest 10% group age	600 days	+127 days

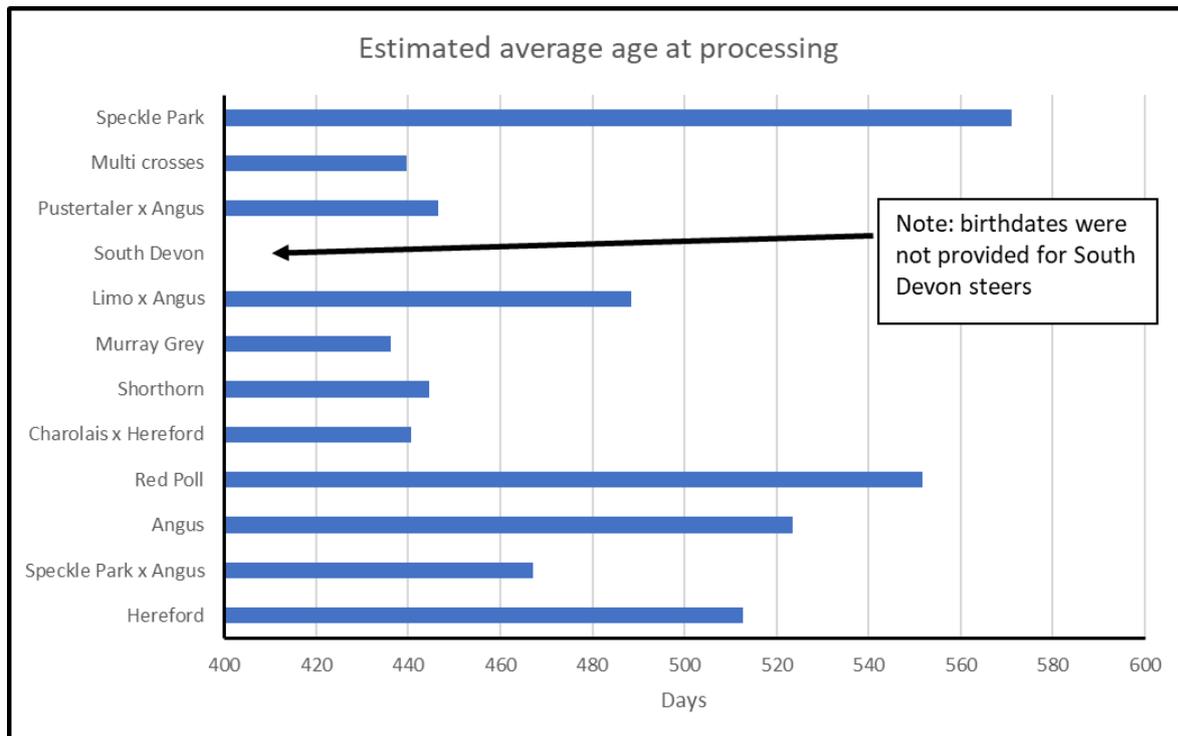
Youngest 10% group age



Median group age

Oldest 10% group age

**Battle of the Breeds – Average age of breed at processing**



Note: A number of steers did not meet the lower carcass weight specification of 220 kg carcass weight. If these steers were held until they met specifications it may add a few days to the breed average age at processing.

1 of each of the following steers did not meet the 220 kg carcass weight specifications – Hereford, Murray Grey, Speckle Park x Angus, South Devon, Pustertaler x Angus and an Angus

See the following pages for the results of each participants cattle. The table includes where the cattle finished in relation to other entrants.

The various components that contribute to the final scores for the cattle are listed and where relevant, components have been traffic lighted to help give an indication of areas that stock are doing well in, or could be areas to look at to address if you wished to improve the performance of your cattle.

	Red colour indicates a much lower performance than other cattle in the trial
	Orange colour indicates generally in the mid range of performance compared to other cattle in the trial
	Green colour indicates that performance in this trait is good compared to other cattle in the trial

The ranges used for colour allocation for the different attributes of performance that are used to score your cattle. Note: some of these ranges may change from year to year depending on how cattle perform in the trial each year. Where traffic lighting is purely based on points awarded in the carcass traits through MSA grading, the ranges are unlikely to change.

<b>Weight Gain</b>	< 150 kg (<1 kgLW/day gain)	150-195 kg (1-1.3 kgLW/day gain)		>195 kg (>1.3 kgLW/day gain)
<b>Carcase Score</b>	≤ 69.99	70 – 84.99		≥ 85
<b>P8 fat mm (ideal 8-14 mm fat)</b>	≤6 points (2 mm P8 fat or ≥ 17 mm fat)	8 points (3 mm P8 fat, ≥ 15mm P8 fat)		10 points (4 – 14 mm P8 fat)
<b>Rib fat mm (ideal 5-10 mm fat)</b>	0 or 8 points (<3 – 3 mm fat)	12-14 points (4 mm fat)		15 points (5-10 mm fat)
<b>EMA cm<sup>2</sup> (Eye Muscle Area)</b>	0 – 8.5 points	9 – 12.5 points		13+ points
<b>MC (Meat Colour)</b>	0 points (Meat colour 5)	1 point (Meat colour 3)		4 – 5 points (Meat colours 2 – 1C)
<b>Oss (Ossification)</b>	>200	150 - 190		100 - 140
<b>MSA Marb (Meat Standards Australia Marbling)</b>	<200	200 - 300		>300
<b>MSA Index</b>	Bottom 50% (a MSA Index less than 59.34) based on non grainfed cattle in Australia 2024-25	50 to 11% (a MSA Index of 59.34 – 62.95) based on non grainfed cattle in Australia 2024-25		Top 10% (a MSA Index of 62.96 and above) based on non grainfed cattle in Australia 2024-25

Note: the scoring systems for the MSA graded attributes of the carcass is done automatically through a program designed for use in carcass competitions – ABCAM (Australian Beef Carcass Appraisal Method). With the version of ABCAM that has been used for the steer trial, EMA points are determined by the computer program from a look up chart that is based around the eye muscle area as a proportion of carcass weight, and this gives an estimate of the saleable meat yield from that carcass.

For further information on the impacts of the different carcass attributes – particularly if your cattle are ranked lower for some of these attributes and you are wishing to address them - can have on eating quality, see [https://www.mla.com.au/globalassets/mla-corporate/marketing-beef-and-lamb/documents/msa-mla-tips-and-tools-msa18-using-msa-index-to-optimize-beef-eating-quality\\_v02.pdf](https://www.mla.com.au/globalassets/mla-corporate/marketing-beef-and-lamb/documents/msa-mla-tips-and-tools-msa18-using-msa-index-to-optimize-beef-eating-quality_v02.pdf) The points awarded for EQ (eating quality) on the MSA grading sheet, are a proportion of the MSA index (in this case 74.4% of the MSA index). If you add together the EQ points + MC (meat colour) points + rib fat points + EMA (eye muscle area) points + P8 fat points = Carcass Score (that you can see in the 5<sup>th</sup> column on the following sheets)

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Tag no.	Farm Name	Weight gain	Weight gain pts	Carcase Score (from grading sheet)	Carcase pts	Total pts	Pair Total pts	Place	Carcase Score Information – from MSA Grading sheet																
									LW kg	CW kg	DP %	P8 fat mm	P8 fat pts Max 10	Rib fat mm	Rib fat pts Max 15	EMA cm <sup>2</sup>	EMA pts Max 20	pH	MC	MC pts Max 5	Oss	Hump	MSA Marb	MSA index	EQ pts
1	Ampitheatre Pastoral Partnership	239	56.82	83.25	55.81	112.63	216.75	8	562.8	299.0	53.1	9	10	7	15	71	8	5.56	2	4	140	55	400	62.15	46.25
2		202	48.02	83.68	56.10	104.12			517.1	281.5	54.4	6	10	5	15	71	9	5.52	2	4	140	55	380	61.39	45.68
3		177	42.08	79.75	53.47	95.54			476.9	239.0	50.1	6	10	4	12	60	7.5	5.59	2	4	110	50	270	62.15	46.25
4		260	61.81	83.76	56.16	117.96			565.3	290.5	51.4	9	10	6	15	71	8.5	5.65	2	4	120	60	310	62.17	46.26
5	Balla Balla	202	48.02	81.99	54.97	102.99	209.401	16	532.7	295.0	55.4	7	10	6	15	70	8	5.55	2	4	130	60	260	60.46	44.99
6		214	50.87	82.84	55.54	106.41			516.9	276.5	53.5	4	10	6	15	70	9	5.55	2	4	140	55	300	60.26	44.84
7	Black Diamond Speckle Park Stud	166	39.46	90.66	60.78	100.24	193.78	35	472.4	253.5	53.7	6	10	5	15	79	15	5.52	2	4	110	60	290	62.71	46.66
8		160	38.04	82.78	55.50	93.53			484.0	261.0	53.9	4	10	4	12	78	13.5	5.66	3	1	120	65	340	62.19	46.28
9		184	43.74	79.60	53.37	97.11			480.3	249.5	51.9	6	10	5	15	66	9	5.65	3	1	140	55	300	59.94	44.60
10		221	52.54	82.32	55.19	107.73			544.3	289.0	53.1	6	10	5	15	69	8	5.53	2	4	130	60	300	60.91	45.32
11	Brejyanne	169	40.18	83.16	55.75	95.93	169.48	47	442.7	226.0	51.1	9	10	6	15	70	12.5	5.68	3	1	140	55	300	60.02	44.66
12		168	39.94	50.14	33.62	73.55			425.9	206.5	48.5	5	10	3	8	66	12	5.67	3	1	110	55	280	62.01	46.14
13	Brenair Park	142	33.76	66.41	44.52	78.28	169.67	46	418.0	216.0	51.7	3	8	3	8	68	12.5	5.61	3	1	120	60	250	60.35	44.91
14		179	42.55	72.84	48.83	91.39			483.9	246.5	50.9	2	6	3	8	68	10.5	5.55	2	4	130	55	260	59.59	44.34
15	Bungeeltap Pastoral	192	45.64	89.88	60.26	105.90	216.60	9	471.4	242.0	51.3	11	10	6	15	73	13	5.59	2	4	110	55	380	64.35	47.88
16		209	49.68	91.00	61.01	110.69			483.0	245.5	50.8	7	10	7	15	72	12	5.59	2	4	110	55	550	67.20	50.00
19	Carlyle	199	47.31	86.07	57.70	105.01	210.62	13	502.5	253.0	50.3	10	10	6	15	69	10.5	5.62	2	4	120	55	340	62.59	46.57
20		200	47.54	86.60	58.06	105.60			514.5	252.0	49.0	8	10	7	15	65	8.5	5.61	2	4	100	55	390	65.98	49.10
21	Charellen Poll Herefords	201	47.78	85.79	57.52	105.30	218.12	4	543.1	271.0	49.9	8	10	6	15	70	9.5	5.59	2	4	110	55	330	63.55	47.29
22		238	56.58	83.89	56.24	112.82			585.1	297.5	50.8	4	10	4	12	85	14.5	5.66	3	1	110	55	280	62.34	46.39
23		215	51.11	83.22	55.79	106.90			508.6	258.5	50.8	9	10	5	15	66	8.5	5.61	2	4	120	55	280	61.44	45.72
24		217	51.59	87.31	58.54	110.12			477.2	234.5	49.1	5	10	6	15	70	12	5.55	2	4	110	55	250	62.24	46.31
25	Clearhills Partnership	195	46.36	86.66	58.10	104.46	211.56	12	437.8	225.5	51.5	7	10	5	15	66	11	5.60	2	4	110	50	290	62.70	46.66
26		203	48.26	87.78	58.85	107.11			466.7	231.0	49.5	6	10	5	15	70	12	5.59	2	4	110	55	300	62.87	46.78
27		168	39.94	34.00	22.79	62.73			419.4	218.0	52.0	5	10	4	12	86	20	6.12	5	0	120	50	280	61.13*	0.00
28		195	46.36	82.31	55.18	101.54			467.0	240.5	51.5	6	10	5	15	60	7.5	5.63	2	4	120	55	290	61.57	45.81
29	Featherstone Angus Stud	195	46.36	82.77	55.49	101.85	208.75	19	524.6	269.0	51.3	6	10	5	15	68	8.5	5.56	2	4	130	60	300	60.84	45.27
30		221	52.54	81.09	54.37	106.90			530.9	264.0	49.7	12	10	4	12	64	7.5	5.52	2	4	110	50	380	63.95	47.59
31		242	57.53	81.39	54.57	112.10			528.4	269.0	50.9	8	10	5	15	64	7	5.58	2	4	130	45	310	61.00	45.39
32		233	55.39	83.53	56.00	111.39			537.2	282.0	52.5	7	10	7	15	66	7	5.65	2	4	110	50	340	63.88	47.53
33	Gippsland Water	194	46.12	84.47	56.63	102.75	204.77	24	552.0	285.5	51.7	6	10	9	15	69	8.5	5.55	2	4	130	55	400	63.12	46.97
34		189	44.93	85.16	57.09	102.02			516.9	261.5	50.6	10	10	6	15	63	7	5.58	2	4	120	55	560	66.07	49.16
35	Hollingrove Stud	147	34.95	84.19	56.44	91.39	186.89	41	490.2	263.5	53.8	10	10	7	15	72	11	5.57	2	4	160	60	320	59.38	44.19
36		144	34.23	91.38	61.26	95.50			520.0	292.0	56.2	6	10	5	15	89	16.5	5.55	2	4	120	65	290	61.66	45.88
37	Jones Farm	196	46.59	83.67	56.10	102.69	208.08	21	457.3	229.5	50.2	7	10	5	15	62	9	5.60	2	4	120	50	280	61.38	45.67
38		210	49.92	82.73	55.47	105.39			456.0	230.0	50.4	7	10	4	12	65	10	5.60	2	4	110	50	310	62.80	46.73

Carcase Score Information – from MSA Grading sheet

Tag no.	Farm Name	Weight gain	Weight gain pts	Carcase Score (from grading sheet)	Carcase pts	Total pts	Pair Total Pts	Place	LW kg	CW Kg	DP %	P8 fat mm	P8 fat pts Max 10	Rib fat mm	Rib fat pts Max 15	EMA cm <sup>2</sup>	EMA pts Max 20	pH	MC	MC pts Max 5	Oss	Hump	MSA Marb	MSA index	EQ pts
39	Karn Station	236	56.10	85.10	57.05	113.16	225.92	1	546.7	278.0	50.8	9	10	6	15	65	7	5.54	2	4	110	55	480	65.99	49.10
40		222	52.77	89.48	59.99	112.77			524.4	272.0	51.9	13	10	8	15	80	14	5.59	2	4	130	60	370	62.47	46.48
41		191	45.41	86.55	58.03	103.43	208.54	20	518.9	252.5	48.7	9	10	6	15	69	10.5	5.52	2	4	120	50	380	63.23	47.05
42		193	45.88	88.34	59.23	105.11			516.6	270.0	52.3	6	10	5	15	77	12.5	5.62	2	4	130	55	430	62.95	46.84
43	Kentsie Murray Grey	164	38.99	73.29	49.14	88.12	185.67	42	445.5	234.5	52.6	2	6	3	8	65	10	5.56	2	4	120	55	280	60.87	45.29
44		180	42.79	81.68	54.76	97.55			502.8	258.0	51.3	3	8	4	12	72	11.5	5.47	1C	5	120	55	250	60.72	45.18
45	Lara Park	186	44.22	83.43	55.93	100.15	193.81	34	477.1	239.0	50.1	5	10	5	15	69	11.5	5.64	3	1	120	55	300	61.72	45.93
46		161	38.27	82.61	55.38	93.66			472.7	239.5	50.7	4	10	4	12	73	13	5.68	3	1	110	55	300	62.64	46.61
47	Lennox & Burgess	154	36.61	83.26	55.82	92.43	183.64	44	489.7	261.0	53.3	4	10	6	15	67	8.5	5.56	2	4	130	55	330	61.49	45.76
48		131	31.14	89.59	60.06	91.21			510.1	269.0	52.7	11	10	7	15	80	14	5.57	2	4	120	55	330	62.61	46.59
49	Lineham Farms	169	40.18	85.33	57.21	97.38	199.76	28	550.2	278.0	50.5	13	10	7	15	70	9	5.55	2	4	120	60	390	63.30	47.33
50		189	44.93	85.68	57.44	102.37			568.4	293.0	51.5	8	10	6	15	75	10	5.56	2	4	130	60	400	62.73	46.68
51		176	41.84	86.64	58.09	99.93	194.85	32	524.3	281.5	53.7	10	10	7	15	72	9.5	5.65	2	4	110	65	390	64.69	48.14
52	159	37.80	85.20	57.12	94.92	469.3			244.0	52.0	7	10	5	15	68	10.5	5.57	2	4	120	55	280	61.41	45.70	
53	Loch Ness	149	35.42	29.00	19.44	54.86	137.76	49	513.2	274.5	53.5	17	6	13	10	79	13	5.95	4	0	140	55	440	63.30*	0.00
54		108	25.67	85.35	57.22	82.90			465.3	247.5	53.2	7	10	5	15	73	12.5	5.60	3	1	160	55	580	62.96	46.85
55		129	30.67	87.73	58.82	89.48	180.42	45	499.7	273.5	54.7	7	10	10	15	79	13.5	5.59	2	4	160	55	380	60.79	45.23
56	140	33.28	85.99	57.65	90.93	497.3			259.5	52.2	12	10	6	15	71	11	5.49	2	4	140	55	400	61.80	45.99	
57	Moorville	210	49.92	90.72	60.82	110.74	205.11	22	514.7	277.0	53.8	6	10	5	15	88	17.5	5.54	2	4	140	60	260	59.43	44.22
58		162	38.51	83.31	55.85	94.37			466.4	245.0	52.5	10	10	5	15	70	11.5	5.58	3	1	120	60	290	61.57	45.81
59	Mosaic Farms	196	46.59	83.70	56.12	102.71	193.05	36	494.9	261.5	52.8	6	10	5	15	74	11.5	5.59	3	1	120	65	320	62.09	46.20
60		169	40.18	74.82	50.16	90.34			476.9	241.0	50.5	6	10	3	8	68	11	5.69	3	1	130	55	300	60.23	44.82
61		180	42.79	82.43	55.26	98.05	198.61	30	478.9	251.5	52.5	6	10	5	15	68	10	5.65	3	1	110	55	270	62.39	46.43
62	192	45.64	81.91	54.92	100.56	499.8			259.0	51.8	4	10	4	12	69	10	5.57	2	4	120	50	310	61.70	45.91	
63	Nine Mile Angus	168	39.94	89.15	59.77	99.71	194.19	33	479.6	235.0	49.0	7	10	6	15	72	13	5.52	2	4	120	55	390	63.37	47.15
64		162	38.51	83.49	55.97	94.49			514.0	263.5	51.3	8	10	7	15	68	9	5.57	3	1	110	55	420	65.17	48.49
65	Pyrope Red Polls	143	33.99	88.06	59.04	93.03	187.27	39	499.4	261.0	52.3	7	10	6	15	76	12.5	5.58	2	4	150	50	490	62.57	46.56
66		152	36.13	86.66	58.10	94.23			460.9	232.5	50.4	6	10	5	15	67	11	5.50	2	4	110	45	290	62.70	46.66
67	Rathlyn	234	55.63	82.66	55.42	111.05	217.69	5	539.2	255.0	47.3	7	10	5	15	69	10	5.63	3	1	110	55	290	62.71	46.66
68		217	51.59	82.13	55.06	106.65			540.8	282.5	52.2	13	10	6	15	66	7	5.62	2	4	120	50	300	61.99	46.13
69		184	43.74	83.56	56.02	99.76	200.06	27	494.5	262.0	53.0	8	10	6	15	71	10.5	5.62	3	1	120	60	380	63.25	47.06
70	195	46.36	80.46	53.94	100.30	518.6			265.5	51.2	6	10	5	15	67	8.5	5.68	3	1	120	55	300	61.77	45.96	

\*The MSA Index is an Opportunity Index only and indicates what might have been achieved if the steer had not failed on pH (dark cut). As this steer failed one of the key MSA specifications it cannot receive an actual MSA Index and thus receives no eating quality point



Tag no.	Farm Name	Weight gain	Weight gain pts	Carcase Score (from grading sheet)	Carcase pts	Total pts	Pair Total Pts	Place	Carcase Score Information – from MSA Grading sheet																
									LW Kg	CW Kg	DP %	P8 fat mm	P8 fat pts Max 10	Rib fat mm	Rib fat pts Max 15	EMA cm <sup>2</sup>	EMA pts Max 20	pH	MC	MC pts Max 5	Oss	Hump	MSA Marb	MSA index	EQ pts
71	Rigdale Limousin	130	30.90	83.34	55.87	86.78	185.35	43	465.1	260.0	55.9	7	10	5	15	73	11.5	5.66	3	1	120	55	290	61.60	45.84
72		173	41.13	85.69	57.45	98.58			488.8	257.0	52.6	6	10	5	15	70	10.5	5.62	2	4	120	55	320	62.08	46.19
73		199	47.31	87.79	58.86	106.16			517.2	267.0	51.6	7	10	5	15	75	12	5.57	2	4	110	55	300	62.88	46.79
74	Riverline	171	40.65	83.04	55.67	96.32	202.49	25	477.9	244.0	51.1	7	10	7	15	60	7	5.49	2	4	110	55	300	63.21	47.04
75		169	40.18	84.61	56.73	96.90			456.7	225.5	49.4	4	10	4	12	69	12	5.59	2	4	110	55	300	62.64	46.61
76		159	37.80	85.67	57.44	95.23			431.4	219.5	50.9	10	10	5	15	67	11.5	5.51	2	4	110	60	250	62.05	46.17
77	Roly Park Shorthorns	177	42.08	81.44	54.60	96.68	192.56	37	505.1	249.0	49.3	7	10	5	15	69	10.5	5.67	3	1	120	60	300	61.74	45.94
78		177	42.08	80.26	53.81	95.89			460.7	237.0	51.4	5	10	4	12	62	8.5	5.55	2	4	120	55	300	61.49	45.76
79	Solney Farms	194	46.12	82.23	55.13	101.25	201.66	26	540.8	267.5	49.5	10	10	7	15	69	9.5	5.60	3	1	130	50	400	62.80	46.73
80		179	42.55	86.30	57.86	100.41			524.4	266.5	50.8	13	10	9	15	71	10.5	5.56	2	4	140	55	440	62.90	46.80
81	Tarcombe Herefords	200	47.54	86.91	58.27	105.81	209.38	17	498.0	252.0	50.6	12	10	5	15	70	11	5.55	2	4	110	55	310	63.04	46.91
82		189	44.93	87.46	58.64	103.57			474.1	242.5	51.1	7	10	4	12	75	14	5.49	2	4	110	55	370	63.78	47.46
83		186	44.22	78.25	52.46	96.68			514.4	267.0	51.9	6	10	4	12	68	9	5.66	3	1	110	55	270	62.16	46.25
84		167	39.70	93.67	62.80	102.50			477.2	265.0	55.5	8	10	5	15	87	18	5.57	2	4	110	50	290	62.72	46.67
85	Tarwin Poll Herefords	215	51.11	83.52	55.99	107.11	217.14	6	565.2	293.0	51.8	6	10	5	15	75	10	5.61	2	4	140	55	280	59.83	44.52
86		291	69.18	60.94	40.86	110.03			657.9	339.5	51.6	6	10	5	15	78	8.5	5.57	3	1	130	60	300	61.07	45.44
87		237	56.34	80.83	54.19	110.53			593.5	308.5	52.0	6	10	6	15	69	7	5.52	2	4	140	55	290	60.25	44.83
88		197	46.83	81.20	54.44	101.27			528.9	278.5	52.7	5	10	4	12	71	9.5	5.60	2	4	120	55	290	61.41	45.70
89	Tia's Paddock	197	46.83	83.33	55.87	102.70	209.22	18	508.8	253.5	49.8	7	10	5	15	64	8.5	5.54	2	4	120	50	290	61.59	45.83
90		209	49.68	84.78	56.84	106.52			526.4	272.0	51.7	8	10	5	15	72	10.5	5.63	2	4	130	50	300	60.85	45.26
91	Wattleblossom	195	46.36	85.46	57.30	103.65	209.54	14	487.1	247.0	50.7	10	10	6	15	68	10.5	5.55	2	4	130	55	350	61.77	45.96
92		200	47.54	87.03	58.35	105.89			497.9	253.5	50.9	7	10	6	15	69	10.5	5.57	2	4	110	55	350	63.87	47.53
93	Wattledene Murray Greys	173	41.13	86.24	57.82	98.94	198.56	31	421.0	208.5	49.5	5	10	5	15	66	12	5.64	2	4	130	50	310	60.80	45.24
94		175	41.60	86.53	58.01	99.61			454.6	223.0	49.1	6	10	5	15	66	11.5	5.56	2	4	120	45	310	61.86	46.03
95	Wattlewood Angus	193	45.88	83.25	55.81	101.69	209.411	15	490.3	246.0	50.2	4	10	4	12	69	11	5.58	2	4	120	55	340	62.16	46.25
96		209	49.68	86.56	58.03	107.72			498.6	246.5	49.4	8	10	5	15	70	11.5	5.59	2	4	120	60	310	61.90	46.06
97	Wonyip Park	221	52.54	87.04	58.35	110.89	220.60	3	466.4	239.5	51.4	5	10	5	15	69	11.5	5.60	2	4	110	55	280	62.54	45.54
98		233	55.39	81.02	54.32	109.71			498.2	245.5	49.3	6	10	4	12	66	9.5	5.66	2	4	130	55	340	61.18	45.53
99		211	50.16	83.77	56.16	106.32			441.5	219.5	49.7	5	10	5	15	66	11.5	5.67	3	1	120	55	330	62.18	46.27
100		238	56.58	36.00	22.14	80.71			496.8	257.5	51.8	5	10	4	12	78	14	6.19	5	0	110	55	390	64.11*	0.00
18	Bungeeltap	224							506.6	246.5	48.7	5		4		65	9	5.59	2		110	50	350	63.45	

\*The MSA Index is an Opportunity Index only and indicates what might have been achieved if the steer had not failed on pH (dark cut). As this steer failed one of the key MSA specifications it cannot receive an actual MSA Index and thus receives no eating quality points



Key to steer breeds

Steer No.	Farm Name	Breed	Steer No.	Farm Name	Breed	Steer No.	Farm Name	Breed	
1	Amphitheatre Pastoral Partnership	Angus	35	Hollingrove Stud	Speckle Park	67	Rathlyn	Poll Hereford	
2			36			68			
3			37	Jones Farms	Angus	69			
4			38			70			
5	Balla Balla	Red Poll	39	Karn Station	Black Angus x	71	Rigdale Limousin	Limousin x Angus	
6			40			72			
7	Black Diamond Speckle Park Stud	Speckle Park x Angus	41		Red Angus x	73	Riverline	Hereford	
8			Speckle Park	42	74				
9		43		Kentsie Murray Grey Stud	Murray Grey	75			
10		44	76						
11	Brejayanne	South Devon	45	Lara Park	Balancer-Red Angus/Gelbvieh	77	Roly Park Shorthorns	Shorthorn	
12	Brenair Park	Pustertaler x Angus	46	Lennox & Burgess	Shorthorn x Angus/Hereford	78	Solney Farms	Angus	
13			47			79			
14			48			80			
15	Bungeeltap Pastoral	Angus	49	Lineham Farms	Angus	81	Tarcombe Herefords	Hereford	
16			50			82		Charolais x Hereford	
17			51			83			
18			52			84			
19	Carlyle	Angus	53			Loch Ness	Speckle Park	85	Tarwin Poll Herefords
20			54	86					
21	Charellen Poll Herefords	Poll Hereford	55	56	87				
22			57	Mooreville	Poll Hereford			88	
23			58			89			
24			59	Mosaic Farms	Speckle Park x Angus	90	Tia's Paddock	Red Poll	
25	60	Limousin x Angus	91			Wattleblossom			Angus
26	Clearhills Partnership		Angus		61		92		
27		62			Wattledene Murray Greys	Murray Grey			
28		63		Nine Mile Angus			Angus		
29		64			Pyrope Red Polls	Red Poll			
30	Featherstone Angus Stud	Angus	65	95			Wattlewood Angus	Angus	
31			66	96					
32			97	Wonyip Park	Speckle Park x Angus				
33			98						
34	99								
						100			