



# RASV

## Royal Melbourne Show 21 September – 2 October 2013 **BEEF CARCASS** Catalogue of Results

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<b>Competition Coordinator</b>	Jessica Skilbeck Telephone (03) 9281 7416 Email <a href="mailto:jessica.skilbeck@rasv.com.au">jessica.skilbeck@rasv.com.au</a>

# BEEF CARCASE COMPETITION

## JUDGING OF LIVE CLASSES

Live classes will be judged according to the Market Categories for the carcass appraisal, as follows:

Market Category		HSCW (kg)	Actual fat depth (mm)		
			P8	11/12 Rib	12/13 Rib
B	Medium Domestic	181 - 240	6 - 10	5 - 8	4 - 7
C	Heavy Domestic	241 - 300	8 - 13	6 - 10	5 - 9
D	Export	300+	12 - 17	8 - 13	7 - 12

## JUDGING OF BEEF CARCASSES

1. Carcasses will be judged within the general parameters of the Australian Beef Carcass Appraisal System (ABCAS), incorporating carcass attributes relevant to Market Specifications and Meat Standards Australia (MSA) developed eating quality standards.

2. Animals entered in Carcass Competitions cannot comply with the pre-slaughter management guidelines of MSA pathways, so their carcasses are not eligible for sale as MSA-graded beef. However, the principles of MSA grading will still be applied in judging the carcasses, according to the following Schedule of maximum points:

1. Market Specification	20 points	3. MSA Eating Quality*	45 points, combined
P8 Fat Depth	10	Ultimate meat pH	Units
Meat Colour	5	Ossification Score	100 - 590
Fat Distribution	5	Tropical Breed Content	0 - 100%
Penalties	As required	Hump Height	mm
2. Saleable Meat Yield	35 points	AUS-MEAT Marbling	0 - 6
		MSA Marbling	100 - 1190
Rib Fat Depth	15	Sex	Male/Female
Eye Muscle Area	20	<b>Total</b>	<b>100 points</b>

3. To receive eating quality points all carcasses must meet MSA minimum standards, as follows:

- a) Minimum 3mm of rib fat
- b) Adequate fat distribution
- c) Ultimate pH below 5.7
- d) Meat colour of 1b and no greater than 3

4. Carcasses will not be penalised for bruising should any occur.

# AWARDS FOR BEEF CARCASS COMPETITION

## AWARDS - LIVE

5. Awards will be provided for each of the ordinary classes as follows:
  - a) Ribbons: 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> places, plus Highly Commended and Commended.
  - b) Prize money: 1<sup>st</sup> \$25, 2<sup>nd</sup> \$15, 3<sup>rd</sup> \$10.
6. First and second placed Exhibits from the ordinary classes will then compete for the following awards, and presented with a Sash:
  - a) Champion Medium Domestic Steer or Heifer
  - b) Reserve Champion Medium Domestic Steer or Heifer
  - c) Champion Heavy Domestic Steer or Heifer
  - d) Reserve Champion Heavy Domestic Steer or Heifer
  - e) Champion Export Steer or Heifer
  - f) Reserve Champion Export Steer or Heifer
  - g) Grand Champion Steer or Heifer
7. The winner of Grand Champion Steer or Heifer will receive \$500 supported by Rural Finance.
8. The highest placed School & College Exhibits from each ordinary class will then compete for the following awards:
  - a) Champion School & College Steer or Heifer
  - b) Reserve Champion Schools & College Steer or Heifer
9. The highest placed Schools or Colleges Exhibits will be drawn only from the top five Exhibits in each live class, ie: 1<sup>st</sup> through to 3<sup>rd</sup>, Highly Commended and Commended. If a class does not have a School or College exhibit amongst these top five, then no Exhibit from that class will compete for Champion or Reserve Champion Schools Steer or Heifer awards.

## CARCASS AWARDS

10. Awards will be provided for each of the Medium Domestic, Heavy Domestic and Export carcass divisions as follows:
  - a) Prize money: - 1<sup>st</sup> \$300, 2<sup>nd</sup> \$150, 3<sup>rd</sup> \$50
11. Sashes and wall plaques will also be awarded to:
  - a) Champion Light Domestic Carcass
  - b) Champion Medium Domestic Carcass
  - c) Champion Heavy Domestic Carcass
  - d) Champion Export Carcass
  - e) Grand Champion Carcass
  - f) Champion School & College Carcass
12. Wall plaques will be issued to the Exhibitors of the Grand Champion Carcass, and also to the Champion School & College Carcass
13. The Exhibitor of the Grand Champion Carcass will also be awarded \$1000 by The Royal Agricultural Society of Victoria.

## MOST SUCCESSFUL SCHOOL OR COLLEGE HOOF & HOOK EXHIBITOR.

14. The Bott-Burston perpetual trophy plus an annual replica will be awarded to the School or College gaining the highest total number of points in the School & College Paraders, Live Steer and Heifer, and Beef Carcass classes based on the following:
  - a) 3 points for - 1st
  - b) 2 points for - 2nd
  - c) 1 points for - 3rd
  - d) 2 points for - Grand Champion
  - e) 3 points for - Champion
  - f) 2 points for - Reserve Champion

## THE MARCUS OLDHAM COLLEGE TROPHY

15. The Marcus Oldham College Perpetual Trophy will be awarded to the highest scoring carcass entered by a School or College. The trophy will remain in the possession of the RASV, and a replica will be awarded to the winning School or College.

## THE NORTHERN MELBOURNE INSTITUTE OF TAFE TROPHY

16. The Northern Melbourne Institute of TAFE Perpetual Trophy will be awarded to the highest scoring School or College Bred and Prepared carcass. The trophy will remain in the possession of the RASV, and a replica will be presented to the winning School or College.

**THE BORTHWICK TROPHY**

17. The Borthwick Trophy is celebrating it's 61<sup>st</sup> year at the 2013 Royal Melbourne Show, and is widely recognised as the most prestigious interbreed steer and carcase award in Australia. The conditions of the competition are as under:

- a) The competition to be between teams of three purebred steers. Heifers are not eligible for the Borthwick Trophy.
- b) Steers to be led into the judging ring.
- c) Each team to be representative of any recognised Beef Cattle Breed.
- d) Each team to be selected from amongst the entries in the ordinary classes by a Breed Panel prior to live judging of these classes.
- e) Each breed to be represented by one team only.
- f) The results of both live and carcase judging will be considered in determining the winner of the Borthwick Trophy, with 25% of total points allocated for live judging and 75% of total points allocated for carcase appraisal. (Maximum points awarded by live judge - 100 points).
- g) Points gained by the steers in the carcase judging (maximum 300 points) to be added to the points awarded alive.
- h) The winner of the Borthwick Trophy will be the team that gains the highest aggregate points in both the live and carcase judging. (Maximum 400 points).
- i) The Borthwick Trophy to be competed for in perpetuity, and the name of the winning breed to be engraved on it each year. The Trophy to remain the property of The Royal Agricultural Society of Victoria Limited. A replica of the trophy will be presented to each of the Exhibitors of the winning team.

Past winners of the Borthwick Trophy are as follows:

1953	Angus	1983	Hereford
1954	Angus	1984	Angus
1955	Angus	1985	Poll Hereford
1956	Hereford	1986	Angus
1957	Angus	1987	Angus
1958	Angus	1988	Angus
1959	Angus	1989	Angus
1960	Poll Hereford	1990	Murray Grey
1961	Angus	1991	Charolais
1962	Poll Hereford	1992	Charolais
1963	Angus	1993	Murray Grey
1964	Angus	1994	Murray Grey
1965	Angus	1995	Murray Grey
1966	Angus	1996	Murray Grey
1967	Murray Grey	1997	Hereford
1968	Angus	1998	Shorthorn
1969	Poll Shorthorn	1999	Angus
1970	Poll Shorthorn	2000	Murray Grey
1971	Hereford	2001	Shorthorn
1972	Murray Grey	2002	Shorthorn
1973	Murray Grey	2003	Shorthorn
1974	Angus	2004	Murray Grey
1975	Murray Grey	2005	Charolais
1976	Murray Grey	2007	Charolais
1978	Galloway	2008	Charolais
1979	Galloway	2009	Limousin
1980	Galloway	2010	Simmental
1981	Murray Grey	2011	Limousin
1982	Angus	2012	Limousin

**THE ROYAL MELBOURNE SHOW STEER BONANZA**

18. The Royal Melbourne Show Steer Bonanza is an optional 'opt-in' cash prize pool.

19. All steer and heifer exhibits eligible for the Beef Carcase Competition are eligible to take part.

20. Exhibitors must nominate on their entry form which exhibits they would like to enter in the Bonanza. Each entry is \$50 (incl GST). This fee is in addition to the standard entry fee. Full payment must be made upon entry.

21. Each exhibit may only be entered in the Bonanza once. An exhibitor may choose to enter as many or as few of their exhibits as they wish.

22. An Exhibitor has the option to substitute their Bonanza entry with another of their exhibits already entered in the ordinary classes of the Beef Carcase Competition. The substituted exhibit must be entered under the same Exhibitor Name. Substitutions must be made to the Superintendent's Office no later than 1 hour after the completion of weighing. Regular announcements will be made throughout the Pavilion, and it is the responsibility of the Exhibitor to ensure this deadline is met.

23. Substitutions can be made up until the deadline stated in Regulation 363. No new entries will be accepted after the close of entries on Friday 13 July 2012. Entries will only be accepted via the RASV Beef Carcase Competition Entry Form.

24. Entries in the Bonanza are not transferable between Exhibitors.

25. At the conclusion of carcase judging, the carcase results of all exhibits entered in the Bonanza will be ranked. The carcasses will not be grouped into classes prior to ranking.

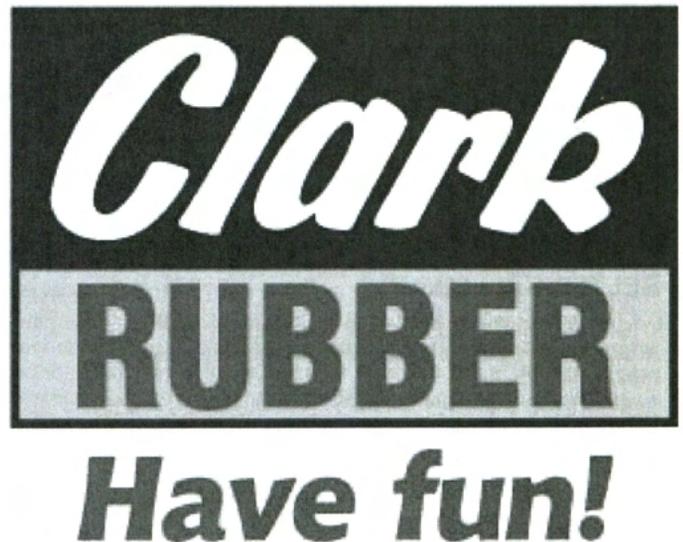
26. The Bonanza carcase with the highest score will receive a cash prize of 50% of the total prize pool. The Bonanza carcase with the second highest score will receive a cash prize of 30% of the total prize pool. The Bonanza carcase with the third highest score will receive a cash prize of 20% of the total prize pool.

27. The total cash prize pool is inclusive of GST. If any of the winning exhibitors are not registered for GST, GST will not be paid.

28. If an animal is withdrawn from the Beef Carcase Competition after the close of entries, the Exhibitor may transfer the Bonanza entry to any of their exhibits that have not been entered in the Bonanza. If the Exhibitor has no exhibits that are not entered in the Bonanza, the Bonanza entry of the withdrawn exhibit will be forfeited, and is non-refundable.

29. Prizemoney will be allocated as follows (GST incl):

- 1st: \$1650
- 2nd: \$990
- 3rd: \$660



## 4 BEEF CARCASE RESULTS

# CONDITIONAL AND BREED SPECIFIC PRIZES

### ANGUS

PRIZE: \$500 SUPPORTED BY THE ANGUS SOCIETY OF AUSTRALIA.

Awarded to the Exhibitor of the Grand Champion Carcase, provided it is sired by an Angus Bull, as nominated on the entry form.

### AUSTRALIAN LOWLINE

PRIZE: \$500 SUPPORTED BY THE AUSTRALIAN LOWLINE CATTLE ASSOCIATION.

Awarded to the Exhibitor of the Grand Champion Carcase, provided the sire or dam is a registered Australian Lowline and nominated as such on the entry form.

### BEEF SHORTHORN

PRIZE: JOHN WILLIAMSON MEMORIAL TROPHY SUPPORTED BY THE BEEF SHORTHORN SOCIETY OF AUSTRALIA (VICTORIAN BRANCH).

Awarded to the Exhibitor of the Beef Shorthorn gaining the highest points for a carcase across all classes combined.

PRIZE: \$200 SUPPORTED BY THE BEEF SHORTHORN SOCIETY OF AUSTRALIA (FEDERAL COUNCIL)

Awarded to the Exhibitor of any winning animal in the live judging provided it is a Beef Shorthorn or Beef Shorthorn cross and is the progeny of a by a registered Beef Shorthorn sire or dam.

PRIZE: \$200 SUPPORTED BY THE BEEF SHORTHORN SOCIETY OF AUSTRALIA (FEDERAL COUNCIL)

Awarded to the highest scoring Beef Shorthorn or Australian Shorthorn or cross-bred steer or heifer carcase, where either the sire or dam is a registered Beef or Australian Shorthorn and provided that a minimum score of 75 points or more is achieved (highest scoring over all classes)

PRIZE: \$500 SUPPORTED BY THE BEEF SHORTHORN SOCIETY OF AUSTRALIA (FEDERAL COUNCIL)

Awarded to the Exhibitor of the Champion Steer on Hoof and Hook combined. Prize money to a maximum of \$500 only.

### BELGIAN BLUE

THE FOLLOWING PRIZES ARE SUPPORTED BY THE BELGIAN BLUE CATTLE SOCIETY INC.

PRIZE: 1<sup>st</sup> \$50, 2<sup>nd</sup> \$25, 3<sup>rd</sup> \$10, LIVE (PER CLASS).

PRIZE: \$30

Awarded to the Exhibitor of the Live Grand Champion provided it is sired by a pure bred registered Belgian Blue.

PRIZE: \$15

Awarded to the Exhibitor of the Live Reserve Grand Champion provided it is sired by a pure bred registered Belgian Blue.

PRIZE: 1<sup>st</sup> \$100, 2<sup>nd</sup> \$50, 3<sup>rd</sup> \$25, CARCASE (PER CLASS)

PRIZE: \$100

Awarded to the Exhibitor of the Grand Champion Carcase provided it is sired by a pure bred registered Belgian Blue.

PRIZE: \$50

Awarded to the Exhibitor of the Reserve Grand Champion Carcase provided it is sired by a pure bred registered Belgian Blue.

### BELTED GALLOWAY

THE FOLLOWING PRIZES ARE SUPPORTED BY THE AUSTRALIAN BELTED GALLOWAY ASSOCIATION INC.

PRIZE: \$50

Awarded to the Exhibitor of the highest scoring pure or cross bred Belted Galloway carcase, provided the cross bred is entered as a Belted Galloway.

PRIZE: \$150

Awarded to each Exhibitor of pure or cross bred Belted Galloway carcasses, provided the carcase gains 85 points or higher.

PRIZE: \$500

Awarded to the Exhibitor of Grand Champion Carcase provided it is a Belted Galloway or Belted Galloway cross

PRIZE: \$500

Awarded to the Exhibitor of Grand Champion steer provided it is a Belted Galloway or Belted Galloway cross.

### CHAROLAIS

PRIZE : \$400

Awarded to the Exhibitor of the Grand Champion Carcase, provided such Exhibit is sired by a Charolais.

### DEXTER

PRIZE: \$200 SUPPORTED BY DEXTER CATTLE AUSTRALIA INC.

Awarded to the Exhibitor of any winning animal in the live or carcase judging providing it is a Dexter or Dexter cross sired by a registered Dexter or from a Dexter mating

### GALLOWAY

PRIZE: \$500 SUPPORTED BY THE AUSTRALIAN GALLOWAY ASSOCIATION INC.

Awarded to the Exhibitor of the Grand Champion Live or Carcase animal provided such exhibit is the progeny of a Galloway or Belted Galloway sire or dam registered with The Australian Galloway Association Inc.

### HEREFORD

THE FOLLOWING PRIZES ARE SUPPORTED BY THE AUSTRALIAN HEREFORD SOCIETY LTD.

PRIZE: \$1000

Awarded to the Best Hereford/Poll Hereford carcase provided this animal also gains the Grand Champion Carcase Award.

PRIZE: \$200

Awarded to all Hereford/Poll Hereford Carcase gaining 82 points and over.

PRIZE: \$50 SUPPORTED BY MRS MARGARET YELLAND.

*The Howard W. Yelland Award will be awarded to the Exhibitor of the highest scoring Hereford Carcase.*

### HIGHLAND

PRIZE: \$600 SUPPORTED BY THE AUSTRALIAN HIGHLAND CATTLE SOCIETY INC.

Awarded to the Exhibitor of the Highland gaining both first place and 80 points or higher in any Carcase class, provided the sire or dam is a Highland and nominated on the entry form.

Winning first place entitles the exhibitor to apply to the AHCS by 31 October in the current calendar year for inclusion in the AHCS Carcase Competition.

### LIMOUSIN

THE FOLLOWING PRIZES ARE SUPPORTED BY THE AUSTRALIAN LIMOUSIN BREEDERS SOCIETY LTD.

PRIZE: \$250

Awarded to the Exhibitor of the Grand Champion Carcase provided it is sired by a Limousin.

PRIZE: \$150

Awarded to each Exhibitor of the Exhibits which win the Borthwick Trophy provided they are Limousins.

### MURRAY GREY

THE FOLLOWING PRIZES ARE SUPPORTED BY THE MURRAY GREY BEEF CATTLE SOCIETY

PRIZE: \$250

Awarded to the Exhibitor of any of the following Champions; Light Domestic, Medium Domestic, Heavy Domestic steer or heifer, Export steer or heifer, Champion School steer or heifer, as well as Light Domestic Carcase, Medium Domestic Carcase, Heavy Domestic Carcase, Export Carcase and Champion School Carcase, provided it is sired by registered Murray Grey.

PRIZE: \$1000

Awarded to the Grand Champion Carcass provided it is sired by a registered Murray Grey.

PRIZE: \$1000

Awarded to the Grand Champion Led Steer.

PRIZE: \$100 PER EXHIBIT

Awarded to each member of the winning Borthwick Trophy Murray Grey team.

PRIZE: \$250

Awarded to the highest scoring Murray Grey Carcass provided it is sired by a registered Murray Grey.

PRIZE: 1<sup>st</sup> \$50, 2<sup>nd</sup> \$30, 3<sup>rd</sup> \$20 LIVE (PER CLASS).

Exhibits must be sired by a registered Murray Grey and have been entered as such.

PRIZE: 1<sup>st</sup> \$50, 2<sup>nd</sup> \$30, 3<sup>rd</sup> \$20 CARCASS (PER CLASS).

Exhibits must be sired by a registered Murray Grey and have been entered as such.

## RED ANGUS

THE FOLLOWING PRIZES ARE SUPPORTED BY THE RED ANGUS SOCIETY OF AUSTRALIA INC.

PRIZE: \$500

Awarded to the Exhibitor of a Red Angus or Red Angus sired crossbred animal that wins Grand Champion led steer, provided there are over 50 entries and has a RASA registered pedigree.

PRIZE: 1<sup>st</sup> \$150, 2<sup>nd</sup> \$75, 3<sup>rd</sup> \$25

Awarded to the Exhibitor of a Red Angus or Red Angus cross steer, placing 1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> on the hook.

PRIZE: \$1000

Awarded to the Exhibitor of a Red Angus or Red Angus crossbred animal winning Grand Champion Carcass, provided there is over 50 entries and has a RASA registered pedigree.

PRIZE: \$100 PER EXHIBIT

Awarded to the Exhibitor(s) of Red Angus exhibits winning the Borthwick Trophy.

## RED POLL

THE FOLLOWING PRIZES ARE SUPPORTED BY THE AUSTRALIAN RED POLL CATTLE BREEDERS INC. (VICTORIAN REGION)

PRIZE: \$250

Awarded to the Exhibitor of the Grand Champion Carcass, provided such Exhibit is a pure-bred Red Poll by a registered sire.

PRIZE: \$200

Awarded to the Exhibitor of the Highest Scoring pure bred Red Poll Steer.

PRIZE: \$200

Awarded to the Exhibitor of the Highest Scoring Cross Bred Steer provided it is at least 50% Red Poll.

## SANTA GERTRUDIS

PRIZE: GRAND CHAMPION \$2000 OR \$1000 IF LESS THAN 50 CARCASS LED STEER ENTRIES supported by THE SANTA GERTRUDIS BREEDERS (AUST.) ASSOCIATION.

Awarded to the respective Exhibitors, provided the carcass is a Santa Gertrudis.

## SHORTHORN

PRIZE: \$250 SUPPORTED BY SHORTHORN BEEF (VICTORIAN BRANCH)

Awarded to the Exhibitor of the Grand Champion provided such Exhibit is a pure bred Shorthorn. Name of Sire and Dam to be stated on the Entry Form.

PRIZE: \$100 SUPPORTED BY SHORTHORN BEEF (VICTORIAN BRANCH)

Awarded to the exhibitor of a Shorthorn steer placing 1<sup>st</sup> in the live class provided such an exhibit is by a registered sire or dam.

PRIZE: \$100 SUPPORTED BY SHORTHORN BEEF (VICTORIAN BRANCH)

Awarded to the exhibitor of a Shorthorn steer placing 1<sup>st</sup> on the hook provided such an exhibit is by a registered sire or dam.

PRIZE: \$250 SUPPORTED BY SHORTHORN BEEF (VICTORIAN BRANCH)

Awarded to the exhibitor of a Shorthorn steer gaining above 80 points.

PRIZE: The JOHN CRILLY MEMORIAL TROPHY will be awarded to the breeder of the highest scoring purebred Shorthorn Carcass.

## SIMMENTAL

THE FOLLOWING SIMMENTAL PRIZES ARE SPONSORED BY THE VICTORIAN BRANCH OF THE AUSTRALIAN SIMMENTAL BREEDERS ASSOCIATION PROVIDED THE WINNING CARCASS IS NOMINATED ON THE ENTRY FORM AS SIMMENTAL, SIMMENTAL CROSS, SIMBEEF (MINIMUM 25% OR MORE SIMMENTAL) OR SIMANGUS.

PRIZE: \$500

Awarded to the exhibitor of the Light Domestic Champion Carcass.

PRIZE: \$200

Awarded to the highest scoring Light Domestic Simmental Carcass if not the winner.

PRIZE: \$500

Awarded to the exhibitor of the Medium Domestic Champion Carcass.

PRIZE: \$200

Awarded to the highest scoring Medium Domestic Simmental Carcass if not the winner.

PRIZE: \$500

Awarded to the exhibitor of the Heavy Domestic Champion Carcass.

PRIZE: \$200

Awarded to the highest scoring Heavy Domestic Simmental Carcass if not the winner.

PRIZE: \$500

Awarded to the exhibitor of the Export Champion Carcass.

PRIZE: \$200

Awarded to the highest scoring Export Champion Simmental Carcass if not the winner.

PRIZE: \$1500

Awarded to the exhibitor of the Grand Champion Carcass.

PRIZE \$1200

Awarded to the winner of the Borthwick Trophy.

PRIZE: \$500

Awarded to exhibitor of the Grand Champion on the Hoof.

## SQUARE MEATERS

PRIZE \$200

Awarded to the Exhibitor of the Grand Champion Live or Carcass animal provided it is a Square Meaters, sired by a Square Meaters.

PRIZE \$100

Awarded to the Exhibitor of the Highest scoring Square Meaters steer or heifer on the "Hook" (must score over 80 points to be eligible for the prize), providing the animal is nominated as a Square Meaters or Square Meaters cross, exhibit to be the progeny of a registered Square Meaters sire or dam.

# AUSTRALIAN BEEF CARCASS APPRAISAL SYSTEM (ABCAS)



The Australian Beef Carcass Appraisal System ranks beef carcasses on their overall merit, and gives feedback to producers about compliance to market specifications, the yield of saleable meat and the potential eating quality of the meat.

ABCAS combines the extensive experience of the NSW Department of Primary Industries in carcass judging and evaluation with the advanced technology of the world's most comprehensive grading system, Meat Standards Australia (MSA). Practices to improve and optimise meat quality have come directly from research by the Co-operative Research Centre (CRC) for Beef Quality.

ABCAS focuses on the factors that producers can control. In commercial grading, MSA accounts for many factors that affect eating quality but which the producer cannot control, such as pre-slaughter management, livestock handling, hanging method, chilling and ageing.

As far as possible, carcass competitions and educational activities should be structured in accordance with MSA grading requirements to optimise meat quality and demonstrate best practice. Please note that although ABCAS provides grading information on all carcasses, in many competitions they will not be eligible for sale as MSA-graded beef, either because they do not meet MSA licensing conditions, or because they cannot meet requirements for pre-slaughter management (e.g. no mixing of different mobs of cattle, and direct delivery from farm to abattoir).

To assess market suitability, the basic specifications of a carcass are judged for compliance against the specifications of the appropriate market category.

## 1. - Compliance to Market Specifications (20 points total)

Most markets require carcasses to meet basic specifications of age (dentition), sex, weight and P8 (rump) fat depth. Dentition is usually checked in the live cattle, and is not part of the carcass assessment, while some markets specify only steers.

**1.1 - P8 Fat Depth (10 points)** is measured on the hot carcass at the P8 site, over the rump, and is the method of describing fatness in the AUS-MEAT national carcass description language. It is commonly used to set market targets and for payment of premiums and discounts. Optimum P8 fat depth is the range set for each class (Market Category) in the carcass specifications.

**1.2 - Meat Colour (5 points)** is recorded using AUS-MEAT standard meat colour chips in a range of 1a (very pale) to 7 (very dark purple). Colour strongly influences consumer appeal, with bright, pinkish colours in the range 1b to 3 being most acceptable to consumers. Carcasses must meet the MSA specification of Meat colour 1b to 3 to receive eating quality points.

**1.3 - Fat Distribution (5 points)** Ideally, a carcass will have a thin, even fat cover over all the important cuts, especially over the rump and forward along the backline. This contributes to eating quality by slowing the chilling rate, and reduces weight loss due to dehydration as the carcass chills.

Carcasses will lose points for inadequate cover, or for heavy, wastey deposits. Key areas for assessment of excessive fat deposits are the subcutaneous fat (especially over the ribs), intermuscular (seam) fat and internal fat in the cod, udder, ribs and brisket.

**1.4 - Fat Colour** is recorded for your information at the end of the eating quality section but has no direct impact on eating quality; excessive yellowing or softness may affect the saleability of the carcass. Fat colour is assessed on the internal seam fat at the quartered site using the AUS-MEAT chips and ranges from 0 (bright white) to 9 (very yellow).

There are no points allocated for fat colour but individual competitions may apply penalty points (max. 5) if a carcass exceeds Fat colour 3 or if a market specification for fat colour is set.

**1.5 - Penalties** may be applied to carcasses that:

- fall outside the specified weight range (usually 1 point per kg outside)

- Exceed Fat colour 3 or fall outside the specified fat colour range
- Show Secondary Sexual Characteristics (bull or stag)
- Fall outside specifications for dentition
- Exhibit obvious defects, e.g. bruising, blood splash, injection site damage.
- Carcasses must have adequate fat cover over the highlighted areas to receive maximum points.

## 2. - Saleable Meat Yield (35 points total)

- Saleable meat yield is the proportion of the carcass that is saleable as primal cuts and meat trimmings. It excludes bone and waste fat. High-yielding carcasses are preferred, and they are heavily muscled with a thin, even fat cover, but the fat depth and distribution must be adequate to meet quality requirements.

**2.1 - Rib Fat Depth (15 points)** is a good indicator of carcass yield with over-fat animals having lower yields. It is measured in millimetres at the quartering site (usually 10/11th or 12/13th rib). Optimum rib fat depth is the range set for each class (Market Category) in the specifications. To receive eating quality points, carcasses must meet the MSA minimum standard of 3mm at the quartering site.

**2.2 - Eye Muscle Area (20 points)** is a good indicator of the red meat content of the carcass. It is measured in square centimetres at the quartering site (10/11th or 12/13th rib) and points awarded according to the area measured in relation to the carcass weight. The larger the rib eye area in relation to the carcass weight the higher the points awarded.

## 3. - MSA Eating Quality (45 points, combined)

When Meat Standards Australia (MSA) grades a carcass, grading is based on the principles that:

1. The potential meat quality of an animal must be realised as far as possible by minimising stress between farm and slaughter, and by optimising chilling/electrical stimulation conditions during processing
2. There are known variable factors that affect the eating quality of individual muscles and adjustments are made for their effect.

The MSA Grading Model predicts eating quality of 40 muscles by 6 different cooking methods. It applies all our current knowledge about the factors affecting meat quality - which muscles they affect, by how much, and what interactions there are with other factors. These have been defined by a large research effort and more than 439 000 consumer product tests, involving some 62 800 consumers.

In the Australian Beef Carcass Appraisal System the MSA eating quality score is the average predicted MSA eating quality score of 11 major primal cuts, cooked by their optimum method. Scores have been scaled to deliver a maximum of 45 points for eating quality. If carcasses fail to meet MSA minimum requirements, they are below the benchmark standard for high quality table beef and will not receive an eating quality score.

### 3.1 - Ultimate pH

pH is a measure of acidity / alkalinity levels of the meat. It is very important for keeping quality (shelf life) and is related to its cooking properties, colour and consumer acceptance.

After slaughter, the reserves of glycogen (energy) in the animals' muscles are converted to lactic acid, causing the pH to fall. As long as there is adequate glycogen present at slaughter, the pH will fall to within the normal range of 5.4 to 5.7. If there is not enough glycogen (due to stress or poor nutrition) then pH will remain above the acceptable limit of pH 5.70 and the meat is likely to be dark in colour, with poor keeping quality.

High pH meat is more difficult to cook to the right degree of doneness. At the same temperature as a cooked normal steak, it appears much rarer and if further cooked will lose its juices and become tough and dry.

- MSA rejects carcasses with pH over 5.70
- A slight downward adjustment is made to eating quality of all cuts from carcasses high in the acceptable 5.70 range.

To maintain high glycogen levels it is important to maintain a high level of nutrition and water prior to slaughter and minimise transport and handling stress.

**Eating quality variables and their effect**

In commercial grading, once cattle have been slaughtered and have met processor requirements for eligibility, the grader enters information about each carcass and the MSA Model predicts the eating quality of each cut (visit [www.msagrading.com](http://www.msagrading.com) for further details). Predictions are scientifically based and validated by the extensive MSA consumer testing program.

Processor requirements include:

1. Meeting the MSA pH decline "window" - the rate of chilling and amount of electrical stimulation to optimise meat quality, determined by CRC research)
2. Cattle must be from a licensed producer / saleyard and must be accompanied by an MSA vendor declaration.
3. Direct consignment cattle must be killed the day after dispatch.
4. No mixing or drafting of different mobs of cattle.

Please note that the structure of some competitions may preclude the carcasses from commercial grading. In this case, the assessments are provided for education and feedback.

**3.2 - Ossification (maturity) and Carcass Weight**

Ossification score is a measure of physiological maturity of the beef carcass. Hot Standard Carcass Weight (HSCW) is used in conjunction with the ossification score to identify carcasses with greater weight for maturity - faster grown cattle have better eating quality.

As beef cattle mature the cartilage present around the bones of the spinal column gradually change into bone (ossify). The rate at which this occurs is reasonably predictable but is affected by factors such as sex and nutrition. The scale of ossification runs from 100 to 590.

Cuts from carcasses with lower ossification at the same weight are graded higher. Increasing ossification has a cut-by-cut effect with a high effect on some cuts (e.g. rump) and a low effect on others (e.g. oyster blade).

Ossification score is influenced by a number of other factors:

- Heifers tend to have higher ossification scores at the same age compared to steers
- Hormonal Growth Promotants (HGP) - treatment tends to increase ossification scores
- Nutritional setbacks or injury can increase ossification score, and this is not reversible.

Ossification score is assessed at three different locations on the sawn chine: the 5 sacral vertebrae (Tail), 6 Lumbar (back) and first 13 thoracic vertebrae (ribs).

**3.3 - Tropical Breed Content (TBC) % and Hump Height**

MSA data clearly shows that cattle with tropical breed content have a higher risk of delivering "unacceptable" beef to consumers. Research by the Beef CRC has found that these breeds do carry more genes associated with toughness, but if animals are well managed before slaughter and optimally processed, the differences are small. MSA research has determined that the major negative effect is toughening of the striploin, cube roll, tenderloin and oyster blade - all high value grilling cuts. The effect is smaller in the cuts with higher connective tissue such as brisket, topside, outside (silverside) and eye round.

The percentage of tropical breed content is taken into account by the grading model in combination with other factors. All cuts from 100% tropical breeds can still meet acceptable MSA consumer standards if the cattle are within age and fat limits and optimum eating quality interventions such as tenderstretch hanging, and ageing of cuts, are applied.

In crossbred cattle the hump height is an easily measured indicator of the percentage tropical breed content (TBC %). Animals of the same TBC can show different levels of visible traits such as hump, pizzle and ear length. Analysis of MSA data has confirmed that when adjusted for carcass weight, hump height can also be used to estimate the 'tropical breed effect' on eating quality. Hump height is measured in increments of 5mm on the hump muscle (*M. Rhomboideus*) on the animals' neck.

The tropical breed content (TBC) is supplied by the producer on the MSA Vendor Declaration or as the breed description on the competition entry form. Values are expressed as a percentage: 0, 12, 18, 25, 38, 50, 75, 100.

The grading model adjusts hump height for carcass weight and ossification, then checks this against the declared TBC% and applies whichever is the greater of the two eating quality adjustments.

**3.4 - MSA and AUS-MEAT Marbling Score**

Marbling is the intramuscular fat (IMF), which appears as fine flecks within the muscle. It is deposited unevenly throughout the body, increasing through the carcass towards the neck and decreasing towards the tail. As cattle fatten, deposits accumulate in all the main fat depots (under the skin, around the internal organs, between the muscles and inside the muscles) but some cattle have the genetic ability to favour the development of marbling within the muscles.

To maximise marbling, cattle must be on good nutrition, at least during the finishing stage, and well finished.

MSA research associates increased marbling to higher eating quality scores for many grilling and roasting cuts. The effect is greatest in the loin cuts (cube roll and striploin) but it is possible to achieve good eating quality without visible marbling.

The MSA grader assesses marbling on the exposed rib eye (eye-muscle) at the quartering site.

AUS-MEAT marbling is assessed on a scale of 0 to 6, reported in tenths within each score, and is based on the total amount of marbling within the eye muscle.

An MSA-specific marbling score is also given on a scale of 100 to 1190, in increments of 10, with emphasis on its fineness and how it is distributed. This is thought to relate more closely to eating quality.

**3.5 - Sex**

There are small differences in eating quality between steers and heifers, other factors being equal. Although small, the effect of sex is rather complex, with heifers having a lower eating quality in some muscles and higher in others compared to steers.

The biological basis for the sex effect is not clear at this stage.

**3.6 - Rib Fat**

In ABCAS, Rib fat depth is primarily used as an indicator of saleable meat yield, but it also plays two roles in eating quality. Firstly, MSA requires a minimum of 3mm of subcutaneous fat at the quartering site with even fat distribution required over the entire body. This fat cover helps avoid eating quality problems caused by a rapid or irregular pattern of chilling (see fat distribution). Secondly, fatter carcasses have slightly improved eating quality, over and above that associated with marbling and in this case a small upward adjustment is made to the grilling cuts.

**3.7 - Other variable factors affecting eating quality**

There are other factors affecting eating quality in the MSA model, but most are usually constant across competition groups, or are outside the producer's control. The factors include:

**3.7.1 - Hang Method**

Tenderstretch hanging (from the pelvis) has a number of significant advantages over the traditional hanging from the Achilles tendon (AT or hock), including:

- Significant improvement in eating quality from most of the major high-priced cuts
- A reduced need for post-slaughter ageing to improve eating quality
- Significant improvement in eating quality of tropical breed types
- Counteracts the negative eating quality effects of hormonal growth promotants (HGPs)

**3.7.2 - Hormonal Growth Promotants (HGPs)**

HGPs have a negative effect on eating quality, especially in the grilling cuts, and this effect will soon become part of the eating quality calculation in the MSA model.

**3.7.3 - Milk Fed Vealer (MFV)**

Unweaned calves produce beef with better eating quality compared to weaned calves of similar age and fatness. The MSA model adjusts scores for all cuts.

**3.7.4 - Saleyards**

The extra stress of saleyard handling compared to direct transport from farm to abattoir has been shown to reduce eating quality. The MSA model adjusts scores across the carcass.

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### 3.7.5 - Ageing

Storing beef carcasses or vacuum-packed cuts for up to 21 days at 0-1°C improves tenderness. Improvement is greatest in AT hung carcasses, in those with higher tropical breed content and those treated with HGPs.

## HOW TO IMPROVE YOUR SCORE

The feedback from your score sheet provides a great deal of information and can identify areas for future improvement. When preparing cattle for a competition, remember that high scores come from three main factors: Meeting the weight, fat, sex and dentition specifications of the class  
High yield of saleable meat - optimum fat cover and heavy muscling  
High eating quality - young and well nourished, not stressed, with marbling as a bonus

An "average" young animal will achieve a high score if it is fed well in the final six weeks, it is not excessively stressed in the 24 hours before slaughter and it meets the correct weight and fat specifications. Very high scores are possible by retaining these features and increasing saleable meat yield.

#### 1. - Meeting market specifications

Key indicators: HSCW; sex; dentition; P8 fat depth; Meat colour; Fat colour.

Meeting the weight/fat target is the key starting point for achieving a high score. Achieving a weight and fat target is a complex combination of management and animal factors - frame size, muscling, genetics - and nutrition. Heavily muscled or large framed cattle require higher level of nutrition (and/or a longer time) to put on the same fat depth.

Optimal meat colour comes from cattle that are younger, have high levels of nutrition and low pre-slaughter stress (see meat quality).

Ideal fat colour (firm and white) results from feeding a grain-based ration. Young, grass-fed cattle produce a creamy-white fat colour, which is highly acceptable for most markets. Deeper yellow fat is undesirable and comes with older, grass-fed cattle. Some feeds can change the characteristics of fat, for example, large amounts of lupins can produce fat that is soft and greasy.

#### 2. - Improving saleable meat yield

Key indicators: Eye-muscle area (EMA), rib fat depth.

"Yield" is the weight of saleable cuts as a percentage of carcass weight. It is not to be confused with dressing percentage which is the ratio of carcass to live weight. High-yielding carcasses are heavily muscled with optimum fat depth.

Among cattle meeting market specifications and minimum quality requirements for grading, the greatest potential to improve your score is by increasing yield. CRC research confirms that high yielding carcasses contain significantly more beef.

Ensure fat depth is within the optimum specifications - this will maximize your yield points with the particular animal. Overfat carcasses require more trimming, resulting in lower yield.

To increase EMA points, and therefore yield, after fat depth is optimized, in future you will need to select a more muscular animal. Consider these points:

Crossbreed, using high-yielding sire breeds

Select bulls for moderate frame and heavy muscling, either visually or with help from BREEDPLAN EBVs for higher yield and EMA

Heavily muscled cattle occur in most breeds, you don't have to use large European types

More muscular cattle usually put on less fat, especially if they are large framed - they may need more feed or longer preparation time to reach the target fat depth

Females from heavily muscled bulls are just as functional for breeding, as long as you avoid the extremes.

#### 3. - Improving eating quality

Key indicators: pH, Ossification score, Tropical Breed Content, Hump height, Marbling, Meat colour

The above key indicators along with other factors such as hanging method and ageing combine to produce the final eating quality score. As some factors interact with others, it is not possible to allocate points independently to each factor.

A score of zero in this section means the carcass failed to meet one or more of the minimum requirements for grading. This does not mean the beef has no value, but does mean its value has been severely downgraded against the industry's minimum quality benchmark.

If you received zero in the eating quality section, use the individual feedback assessments to identify the reason. It may be pH over 5.7, meat colour over Chip 3, rib fat depth less than 3mm or inadequate fat distribution. Any of these factors will result in a complete loss of meat quality points, and should be given highest priority for correction in the future.

High pH or dark Meat colour are signs of pre-slaughter stress and low energy reserves at slaughter. Ensure as a minimum that nutrition is kept at a high level in the two weeks prior to slaughter, the animal has a quiet temperament and there is minimum handling and minimum time between farm and slaughter

Inadequate rib fat or fat distribution - feed a better quality ration with sufficient energy or feed for longer prior to slaughter

Once the carcass has met minimum grading requirements the best ways to maximize your eating quality score are:

Ensure optimum pH (5.4-5.6) and meat colour (1b to 1c) by building up energy reserves before slaughter (good nutrition, minimum stress, avoid mixing with strange cattle, minimise handling, minimum time from farm to slaughter)

Minimise the tropical breed content (hump height)

Do not use hormonal growth promotants (HGPs)

Increase marbling by using proven genetics (BREEDPLAN EBVs and GeneStar Marbling)

Ensure good growth, without setbacks, and a fat cover near the top of the optimum range

Aim for lower ossification score by faster growth for age

Apart from these animal factors, research by the Beef CRC and MSA has defined other significant factors that can be used to improve meat quality. These are either included in MSA grading requirements or the variable factors in the meat quality calculation. They include:

Minimising pre-slaughter stress by conducting necessary pre-slaughter assessments well beforehand (say 2 weeks), and transporting cattle direct to the abattoir for slaughter without delay

Ensuring chilling and electrical stimulation are operated by the abattoir to optimum specifications

Hanging carcasses by tenderstretch to improve the eating quality of most major cuts and reduce the need for ageing

Ageing cuts after slaughter to increase tenderness.

#### Further Information

Meat Standards Australia - [www.msagrading.com](http://www.msagrading.com)

Beef CRC - [www.beef.crc.org.au](http://www.beef.crc.org.au)

NSW Department of Primary Industries - [www.dpi.nsw.gov.au](http://www.dpi.nsw.gov.au)

## BREED REFERENCES

AA - Angus	CC - Charolais	RP - Red Poll
AC - ABC Composite	DX - Dexter	SD - South Devon
AL - Australian Lowline	FF - Friesian	SG - Santa Gertrudis
AS - Australian Shorthorn	GA - Galloway	SI - Simmental
BF - Braford	GV - Gelbvieh	SM - Simbrah
BG - Brangus	HH - Hereford	SS - Shorthorn
BL - Blonde D'Aquitaine	LL - Limousin	SQ - Square Meaters
BS - Beef Shorthorn	MG - Murray Grey	WB - Welsh Black
BV - Braunvieh	MU - Maine Anjou	
BW - British White	RA - Red Angus	
BZ - Bazadaise	PH - Poll Hereford	

The RASV wishes to thank JBS Australia for their support of the Royal Melbourne Show Beef Carcase Competition.



## ENTRIES

- 102 **Ashwood Park Charolais:** (CC), 1 Oct 2012, Sire: Elderado F143, Dam: Frangapani
- 103 **Ashwood Park Charolais:** (CCXAA/SI), 8 Feb 2012
- 104 **Ballam Park Pastoral Co:** (AA), 23 Sep 2012
- 105 **Billabong High School:** (AA), Bred By: Table Top Angus, 20 Aug 2012, Sire: Table Top Angus S9, Dam: Table Top Angus B83
- 106 **Billabong High School:** (LL), 16 Oct 2012
- 107 **Billabong High School:** (LL), 21 Oct 2012
- 108 **Billabong High School:** (LL), Bred By: Ballina Limousins, 15 Jan 2013, Sire: Donna Valley Polled Fair Dinkum, Dam: Ballina Cheeky
- 109 **Billabong High School:** (RP), Bred By: I A & J Coghlan, 4 Mar 2012, Sire: Eurimbla Haka, Dam: Eurimbla Peggy Sue
- 110 **Billabong High School:** (SD), Bred By: R J & G J Wilton, 15 Aug 2012, Sire: The Bend Ferdinand, Dam: Rowinda Regal 3
- 111 **Billabong High School:** (SD), Bred By: S & S Hamson, 5 Aug 2012, Sire: Torr Down Hallmark 10, Dam: Lincoln Debra 109
- 112 **Billabong High School:** (SIXAA), Bred By: J & J Pampa, 4 Oct 2012
- 113 **Billabong High School:** (SIXAA), Bred By: Summervale Black Simmental, 16 Sep 2012, Sire: St Pauls Dream Maker, Dam: Team Te Mania E19
- 114 **Billabong High School:** (SPXSS), Bred By: G & J Knight, 7 Sep 2012, Sire: Speckle Park Champagne Pretender
- 115 **Bruangil Park:** (LLXLL/AA), 3 Sep 2012, Sire: Bruangil Park Eminence
- 116 **Bruangil Park:** (LLXLL/RP), 4 Apr 2012, Sire: Bruangil Park Dynamite, Dam: Bruangil Park 734
- 117 **Bruangil Park:** (LLXLL/RP), 5 Sep 2012, Sire: Bruangil Park Dynamite
- 118 **Dajory Murray Greys:** (MG), 4 May 2012, Sire: Dajory Dynamic, Dam: Commi
- 119 **Dajory Murray Greys:** (MG), 10 Apr 2012, Sire: Dajory Our Design
- 120 **Emmanuel College Inc:** (AAXCC), Bred By: Anam Cara House, 20 Apr 2012
- 121 **Emmanuel College Inc:** (HH), Bred By: Ken Hodge, 15 Jun 2012, Sire: Karoonda Manuka
- 122 **Emmanuel College Inc:** (PH), Bred By: Banmore, 28 Aug 2012, Sire: Wirruna Callan
- 123 **Finley High School:** (AA), Bred By: M & M Robertson, 8 Sep 2012
- SCR 124 **Finley High School:** (AA/BIXAA), Bred By: J & S Montgomery, 25 May 2012
- 125 **Finley High School:** (AAXSI), Bred By: T & L Baker, 12 May 2012, Sire: Nampara F64, Dam: Woonallee 0012
- 126 **Finley High School:** (HH), Bred By: A Townsend, 16 Nov 2012, Sire: Hollowpoint Forecast, Dam: Big V Fancy X166
- 127 **Finley High School:** (HH), Bred By: G & H Bush, 1 Sep 2012, Sire: Talbalba Yogi, Dam: Glenholme Lindy Loo
- 128 **Finley High School:** (HH), Bred By: Tondara Herefords, 23 Jul 2012, Sire: Manawarra Winchester, Dam: Tondara Carnation
- 129 **Finley High School:** (HH), Bred By: Tondara Herefords, 28 Aug 2012, Sire: Ironbark Rambo, Dam: Tondara Leonie
- 130 **Finley High School:** (HH), Bred By: Tondara Herefords, 5 Oct 2012, Sire: Toranmoor EDR Superior Bear, Dam: Tondara Carissima
- 131 **Finley High School:** (LL), 25 Nov 2012, Sire: Mandayen Guardian, Dam: Homestation Abbie
- 132 **Finley High School:** (MU), Bred By: C Worden & B Fry, 2 Aug 2012, Sire: Epinal, Dam: Amreuke Speckles
- 133 **Finley High School:** (PH), Bred By: J & M Doyle, 25 Jul 2012, Sire: Pine Hill Eltham
- 134 **Finley High School:** (PH), Bred By: Mrs A Watkins, 12 Sep 2012, Sire: Glendan park Condor C108, Dam: Sundene Royal Face
- 135 **Finley High School:** (SD), Bred By: C & L Daley, 29 Jun 2012, Sire: The Bend Digger, Dam: Lincoln C24
- 136 **Finley High School:** (SS), Bred By: G & J Knight, 15 Sep 2012, Sire: Nero Lock Felix F136 (P), Dam: Grawenjobar Joanne 198th
- 137 **David Galpin:** (LL/AAXLL), 20 Mar 2012
- 138 **Geelong Grammar School, Timbertop:** (AAXMG), Bred By: Timbertop GGS, 10 Sep 2012, Sire: Witherwood
- 139 **Geelong Grammar School, Timbertop:** (AAXMG), Bred By: Timbertop GGS, 2 Oct 2012, Sire: Witherwood
- 140 **Geelong Grammar School, Timbertop:** (AAXMG), Bred By: Timbertop GGS, 20 Aug 2012, Sire: Witherwood
- 141 **Geelong Grammar School, Timbertop:** (AAXMG), Bred By: Timbertop GGS, 22 Aug 2012, Sire: Witherwood
- 142 **Geelong Grammar School, Timbertop:** (AAXMG), Bred By: Timbertop GGS, 7 Aug 2012, Sire: Witherwood
- 143 **Geelong Grammar School, Timbertop:** (CCXMG), Bred By: Timbertop GGS, 1 Oct 2012, Sire: Little Bodger
- 144 **Geelong Grammar School, Timbertop:** (SPXMG), Bred By: Timbertop GGS, 25 Sep 2012, Sire: Little Bridger
- 145 **Geelong Grammar School, Timbertop:** (CCXMG), Bred By: Timbertop GGS, 27 Sep 2012, Sire: Little Bridger
- 146 **Geelong Grammar School, Timbertop:** (MG), Bred By: Timbertop GGS, 1 Oct 2012, Sire: Rousabout
- 147 **Geelong Grammar School, Timbertop:** (CCXMG), Bred By: Timbertop GGS, 25 Sep 2012, Sire: Moonshine
- 148 **Goulburn Valley Grammar:** (CC), Bred By: Glental Partnership, 10 Jul 2012
- 149 **Gundagai High School:** (AA), 1 Sep 2011, Sire: Bongongo D28
- 150 **Gundagai High School:** (AA), 20 Sep 2012, Sire: F243 Androssan Casino
- 151 **Gundagai High School:** (AA), 20 Sep 2012, Sire: F243 Androssan Casino
- SCR 152 **Gundagai High School:** (CCXAA), Bred By: Abingdon Station, 26 Jul 2012
- 153 **Heazlewood Family:** (GA), 8 Jul 2012, Sire: Southfield Double 'O' Seven (UK) (MF), Dam: Cumbria Appleby Countess 2nd (MF)
- 154 **JNP Charolais:** (RAXCC), Bred By: JNP Charolais, 30 May 2012, Sire: Rockridge Bando C19, Dam: Ashlin Lucette
- 155 **Kerang Technical High School:** (LL), Bred By: A & M Van der Drift, 1 Aug 2012
- 156 **Kerang Technical High School:** (LL), Bred By: A & M Van der Drift, 1 Nov 2012
- 157 **Kerang Technical High School:** (LL), Bred By: A & M Van der Drift, 1 Sep 2012
- 158 **Longerenong College:** (AA), Bred By: Claremont Blacks, 4 May 2012, Sire: Claremont Blacks F082, Dam: Claremont Blacks Daisy A512
- 159 **Longerenong College:** (AA), Bred By: Coolana Angus, 10 Apr 2012, Sire: Coolana VCC B59
- 160 **Longerenong College:** (AA), Bred By: Coolana Angus, 10 Apr 2012, Sire: Coolana VCC B59
- 161 **Longerenong College:** (CC), Bred By: Paringa Charolais, 27 Aug 2012, Sire: LCOC White Gold P002X, Dam: Bradiarna Cayenne
- 162 **Longerenong College:** (CC), Bred By: Paringa Charolais, 7 Sep 2012, Sire: LCOC Top Grade P043R, Dam: Airlie Digna Z147E
- 163 **Longerenong College:** (HH), 1 Aug 2012, Sire: Yarram Park Legion C091, Dam: Longerenong 6.27
- 164 **Longerenong College:** (HH), Bred By: Blackwell Pastoral, 2 Aug 2012, Sire: Bowmont Victory Blend C044
- 165 **Longerenong College:** (LL), Bred By: Flemington Limousins, 9 Nov 2012, Sire: Runl Stetson, Dam: Flemington Poll Waratah C9
- 166 **Longerenong College:** (LL), Bred By: Mainstream Limousins, 17 May 2012, Sire: Homestation B3206

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167	<b>Longerenong College:</b> (LL), Bred By: Mainstream Limousins, 17 Sep 2012, Sire: Mainstream Artichoke	202	<b>St Mary of The Angels College:</b> (CCXBB), 5 Feb 2012
168	<b>Longerenong College:</b> (LLXRA), 26 Aug 2012, Sire: Jupiter Crush, Dam: Longerenong 4.05	203	<b>St Mary of The Angels College:</b> (RA), Bred By: M & T Symonds, 10 Apr 2012, Sire: Kingsbrook BB Future, Dam: Kingsbrook Vanessa B22
169	<b>Longerenong College:</b> (LLXRA), 29 Aug 2012, Sire: Jupiter Crush, Dam: Longerenong 9.59	205	<b>St Mary of The Angels College:</b> (SI), Bred By: H Du Vallon, 9 Oct 2012, Sire: Clitheroe Dandy, Dam: Clitheroe Gemini
170	<b>Longerenong College:</b> (SI), Bred By: Brenair Park Simmentals, 11 Aug 2012, Sire: Brenair Park Easy Rider, Dam: Brenair Park Lady A46	206	<b>St Mary of The Angels College:</b> (SIXAA), 5 Jun 2012
171	<b>Longerenong College:</b> (SIXCC/HH), 2 Aug 2012, Sire: Beefmaker R13, Dam: Longerenong 4.25	207	<b>St Mary of The Angels College:</b> (SPXAA), Bred By: K Eimensburger, 15 Mar 2012
172	<b>Longerenong College:</b> (SS), Bred By: Eloora Shorthorns, 5 Mar 2012, Sire: Marallen Indestructible, Dam: Eloora Designer Queen W38	208	<b>St Pauls College:</b> (AA), Bred By: M Rouch, 25 Aug 2012
173	<b>Longerenong College:</b> (SS), Bred By: Marschay Shorthorns, 12 Sep 2012, Sire: Marschay Argus, Dam: Marschay Y70	209	<b>St Pauls College:</b> (LL), Bred By: L Martin, 20 Sep 2012, Sire: Limoges Esument, Dam: Le Martres Albury
174	<b>McKay Bros:</b> (SS), 1 Sep 2012, Sire: Royalla Masterpiece, Dam: Marschay E12	210	<b>St Pauls College:</b> (RPXLL), Bred By: L Martin, 27 Jul 2012, Sire: Rhyd-Talog Kemen, Dam: Le Martres Desney
175	<b>Nagle College:</b> (BAXAA), Bred By: Bellpark Blondes, 21 Aug 2012	211	<b>St Pauls College:</b> (SIXAA), Bred By: A O'Brien, 16 Aug 2012
176	<b>Nagle College:</b> (HH), Bred By: K Davies, 20 May 2012, Sire: Mawarra Neutron	212	<b>St Pauls College:</b> (SIXAA), Bred By: C & K Schulz, 4 Sep 2012, Sire: NLC Superior, Dam: Summervale E2
177	<b>Nagle College:</b> (HH), Bred By: K Davies, 26 Jul 2012, Sire: Mawarra Upper Class	213	<b>St Pauls College:</b> (SIXAA), Bred By: C & K Schulz, 7 Sep 2012, Sire: NLC Superior, Dam: Team Te Mania E111
178	<b>Nagle College:</b> (HH), Bred By: Kent Park, 9 Aug 2012	214	<b>Ian Staff:</b> (RP), 28 Oct 2012, Sire: Oakwood Zorba Of Olympia, Dam: Sophronites Cara
179	<b>Nagle College:</b> (HH), Bred By: Mawarra Herefords, 18 Jul 2012, Sire: Mawarra Vulture, Dam: Mawarra Miss Titania 378	215	<b>Ian Staff:</b> (RP), 28 Oct 2012, Sire: Oakwood Zorba Of Olympia, Dam: Sophronites Sonya
180	<b>Nagle College:</b> (LL), Bred By: D & G Freshwater, 13 Sep 2012, Sire: Clifton View Yes	216	<b>Team H - A &amp; J Furborough:</b> (WB), Bred By: A & J Furborough, 12 Jun 2012, Sire: Buchanan Park Knock Out, Dam: Buchanan Park Laura
181	<b>Nagle College:</b> (LLXAA), Bred By: D & G Freshwater, 28 Aug 2012, Sire: Birubi Ernie	217	<b>Team H - B &amp; S Griffiths:</b> (LL), Bred By: B & S Griffiths, 26 Jan 2013, Sire: Ten Mile Polled Florida F19, Dam: Beckenham Attraction C9
182	<b>Nagle College:</b> (LLXSI), Bred By: J Craddock, 15 Aug 2012	218	<b>Team H - B &amp; S Griffiths:</b> (LLXAA), Bred By: B & S Griffiths, 10 Oct 2012
183	<b>Nagle College:</b> (MG), Bred By: K & L Treasure, 1 Aug 2012	219	<b>Team H - C &amp; L Daley:</b> (SD), Bred By: C & L Daley, 11 Sep 2012, Sire: The Bend Easyrider, Dam: Lincoln Debra D3
184	<b>Marcus Oldham:</b> (AA), 5 Oct 2012	220	<b>Team H - Cattle Care:</b> (AA), 23 Sep 2012
186	<b>Phillips Beef:</b> (RA), 7 Aug 2012, Sire: Rockridge Bando C19, Dam: Bellbird Valley Y26	221	<b>Team H - King &amp; Button:</b> (SD), Bred By: C & L Daley, 18 Sep 2012, Sire: The Bend Easyrider, Dam: The Bend Brooke
187	<b>Rural Industry Skill Training:</b> (AA), Bred By: M & L Gordon, 12 Sep 2012	222	<b>Team H - King &amp; Button:</b> (SD), Bred By: King, 12 Sep 2012, Sire: Ashlea Dominator, Dam: The Bend Esther
188	<b>Rural Industry Skill Training:</b> (BGXAA), Bred By: Corumbene Brangus, 11 Sep 2012, Dam: Corumbene Banquet	223	<b>Team H - Lynford Park Blondes:</b> (BAXHH), Bred By: R & S Radford, 15 Aug 2012, Sire: Lynford Park Ferdinand
189	<b>Rural Industry Skill Training:</b> (BGXAA), Bred By: Corumbene Brangus, 30 Sep 2012	224	<b>Team H - R &amp; C Nuttall &amp; J R S Nuttall:</b> (AA), Bred By: R & C & J & S Nuttall, 20 Jul 2012
190	<b>Rural Industry Skill Training:</b> (BLXAA), Bred By: D M Higginson, 1 Feb 2012	225	<b>Team H - Rigdale Limousin:</b> (LLXHH), 24 Sep 2012, Sire: Rigdale Diablo
191	<b>Rural Industry Skill Training:</b> (LL), Bred By: Conquest Limousin, 2 Apr 2012, Sire: Conquest Young Night	226	<b>Team H - The Bend South Devon:</b> (SD), Bred By: C & L Daley, 20 Oct 2012, Sire: The Bend Easyrider, Dam: The Bend Lucy A15
192	<b>Rural Industry Skill Training:</b> (LL), Bred By: Conquest Limousin, 20 May 2012, Sire: Conquest Young Night	227	<b>The University Of Adelaide:</b> (AA), Bred By: Martindale Holdings, 16 Mar 2012, Sire: KCF Bennett Performer, Dam: Weeran Z547
193	<b>Rural Industry Skill Training:</b> (LLXLL/CC), Bred By: Conquest Limousin, 21 Oct 2012, Sire: Conquest Young Night	228	<b>The University Of Adelaide:</b> (AA), Bred By: Martindale Holdings, 24 Mar 2012, Sire: Lawsons Nadal, Dam: Roseworthy D8
194	<b>Rural Industry Skill Training:</b> (MG), Bred By: Good Sheppard, 2 Apr 2012, Sire: Zeus	229	<b>The University Of Adelaide:</b> (MG), Bred By: J R & D J Koopman, 12 May 2012, Sire: Monterey Enquirer, Dam: Bottlesford Rainbow
195	<b>Rural Industry Skill Training:</b> (MG), Bred By: Good Sheppard, 5 Apr 2012, Sire: Zeus	230	<b>The University Of Adelaide:</b> (MG), Bred By: J R & D J Koopman, 23 Mar 2012, Sire: Monterey Enquirer, Dam: Bottlesford Fanny C44
196	<b>Rutherglen High School:</b> (AA), Bred By: Fernhill Angus Stud (Rowley Bennett), 14 Jul 2012, Sire: FER F12, Dam: FER F23	231	<b>Tippets Glengyron:</b> (SS), 28 Oct 2012, Sire: Sprys Superstar F19, Dam: Glengyron Flossy 62
197	<b>Rutherglen High School:</b> (BLXLL), Bred By: Riverview Belgian Blue Stud (Peter Mangles), 1 Apr 2012, Sire: Riverview Dalton	232	<b>VPC Cattle Services P/L:</b> (CC), Bred By: Savannah, 1 Jan 2013
198	<b>Rutherglen High School:</b> (LL), Bred By: Leon Martin Le Matres Limousin Stud, 9 Oct 2012, Sire: Le Martres Chad, Dam: Le Martres Black Date	233	<b>VPC Cattle Services P/L:</b> (SI), Bred By: Savannah, 1 Jan 2013
199	<b>Rutherglen High School:</b> (WB), Bred By: Colin and Tanya Sedgman, 16 Jan 2012, Sire: Granite Ridge Kermit, Dam: Granite Ridge Maureen	234	<b>VPC Cattle Services P/L:</b> (SIXAA), Bred By: Savannah, 1 Jan 2013
200	<b>Rutherglen High School:</b> (WB), Bred By: Silver Metal Investments (Winnie Jones), 1 Jun 2012, Sire: Silver Metal LO8, Dam: Silver Metal L43	235	<b>Gay Ward:</b> (RP), 1 Aug 2012, Sire: Redward Samaritan, Dam: Redward Blanche
201	<b>St Mary of The Angels College:</b> (ALXCC), Bred By: K & G Loraines, 10 Sep 2012, Sire: Whitby Farm Freeman		

- 236 **Gay Ward:** (RP), 12 Aug 2012, Sire: Redward Samaritan, Dam: Redward Chrissy
- 237 **Gay Ward:** (RP), 4 Oct 2012, Sire: Redward Samaritan
- 238 **Yanco Agricultural High School:** (AAXAA/SI), Bred By: Toptani Angus, 18 Oct 2012
- 239 **Yanco Agricultural High School:** (LL), 16 Apr 2012, Sire: Ambledale P Black Doulton, Dam: Stevens Lucinda
- 240 **Yanco Agricultural High School:** (LL), Bred By: R & S Fairley, 22 Sep 2012
- 241 **Yanco Agricultural High School:** (PH), Bred By: A L Green, 2 Aug 2012, Sire: Greenhills Clyde, Dam: Yarrandabaie First Day F010
- 242 **Yanco Agricultural High School:** (SIXAA), Bred By: Toptani Angus, 2 Oct 2012
- 243 **Yanco Agricultural High School:** (SS), Bred By: Kingsley Vale Shorthorn, 30 Sep 2012, Sire: Kingsley Vale Red Star
- 244 **Yanco Agricultural High School:** (SS), Bred By: Nagol Park Shorthorns, 26 Sep 2012, Sire: Nero El Eduardo E014
- 245 **Yanco Agricultural High School:** (SS), Bred By: Nagol Park Shorthorns, 29 Sep 2012, Sire: Nero El Eduardo E014

# 2013 ROYAL MELBOURNE SHOW BEEF CARCASE COMPETITION

## LIVE CHAMPION AWARDS

### GRAND CHAMPION STEER OR HEIFER

Exhibit 165, **Longerenong College**, Limousin

Bred By: Flemington Limousins, 9 Nov 2012, Sire: Runl Stetson, Dam: Flemington Poll Waratah C9

### CHAMPION MEDIUM DOMESTIC STEER OR HEIFER

Exhibit 108, **Billabong High School**, Limousin

Bred By: Ballina Limousins, 15 Jan 2013, Sire: Donna Valley Polled Fair Dinkum, Dam: Ballina Cheeky

### RESERVE CHAMPION MEDIUM DOMESTIC STEER OR HEIFER

Exhibit 175, **Nagle College**: (BAXAA),

Bred By: Bellpark Blondes, 21 Aug 2012

### CHAMPION HEAVY DOMESTIC STEER OR HEIFER

Exhibit 165, **Longerenong College**, Limousin

Bred By: Flemington Limousins, 9 Nov 2012, Sire: Runl Stetson, Dam: Flemington Poll Waratah C9

### RESERVE CHAMPION HEAVY DOMESTIC STEER OR HEIFER

Exhibit 115, **Bruangil Park**: (LLXLL/AA)

3 Sep 2012, Sire: Bruangil Park Eminence

### CHAMPION EXPORT STEER OR HEIFER

Exhibit 148, **Goulburn Valley Grammar**, Charolais

Bred By: Glental Partnership, 10 Jul 2012

### RESERVE CHAMPION EXPORT STEER OR HEIFER

Exhibit 137, **David Galpin**: (LL/AAXLL), 20 Mar 2012

## LIVE CLASS RESULTS

- 1 192 **Rural Industry Skill Training:** (LL), Bred By: Conquest Limousin, 20 May 2012, Sire: Conquest Young Night
- 2 131 **Finley High School:** (LL), 25 Nov 2012, Sire: Mandayen Guardian, Dam: Homestation Abbie
- 3 193 **Rural Industry Skill Training:** (LLXLL/CC), Bred By: Conquest Limousin, 21 Oct 2012, Sire: Conquest Young Night
- 4 201 **St Mary of The Angels College:** (ALXCC), Bred By: K & G Loraines, 10 Sep 2012, Sire: Whitby Farm Freeman
- 5 242 **Yanco Agricultural High School:** (SIXAA), Bred By: Toptani Angus, 2 Oct 2012
- LEDB02 - LED MEDIUM DOMESTIC (181-240KG) HEAT 2**
- 1 108 **Billabong High School:** (LL), Bred By: Ballina Limousins, 15 Jan 2013, Sire: Donna Valley Polled Fair Dinkum, Dam: Ballina Cheeky
- 2 240 **Yanco Agricultural High School:** (LL), Bred By: R & S Fairley, 22 Sep 2012
- 3 144 **Geelong Grammar School, Timbertop:** (SPXMG), Bred By: Timbertop GGS, 25 Sep 2012, Sire: Little Bridger
- 4 150 **Gundagai High School:** (AA), 20 Sep 2012, Sire: F243 Androssan Casino
- 5 127 **Finley High School:** (HH), Bred By: G & H Bush, 1 Sep 2012, Sire: Talbalba Yogi, Dam: Glenholme Lindy Loo
- LEDB03 - LED MEDIUM DOMESTIC (181-240KG) HEAT 3**
- 1 175 **Nagle College:** (BAXAA), Bred By: Bellpark Blondes, 21 Aug 2012
- 2 117 **Bruangil Park:** (LLXLL/RP), 5 Sep 2012, Sire: Bruangil Park Dynamite
- 3 153 **Heazlewood Family:** (GA), 8 Jul 2012, Sire: Southfield Double 'O' Seven (UK) (MF), Dam: Cumbria Appleby Countess 2nd (MF)
- 4 198 **Rutherglen High School:** (LL), Bred By: Leon Martin Le Matres Limousin Stud, 9 Oct 2012, Sire: Le Martres Chad, Dam: Le Martres Black Date
- 5 191 **Rural Industry Skill Training:** (LL), Bred By: Conquest Limousin, 2 Apr 2012, Sire: Conquest Young Night
- LEDC01 - LED HEAVY DOMESTIC (241-300KG) HEAT 1**
- 1 156 **Kerang Technical High School:** (LL), Bred By: A & M Van der Drift, 1 Nov 2012
- 2 103 **Ashwood Park Charolais:** (CCXAA/SI), 8 Feb 2012
- 3 107 **Billabong High School:** (LL), 21 Oct 2012
- 4 136 **Finley High School:** (SS), Bred By: G & J Knight, 15 Sep 2012, Sire: Nero Lock Felix F136 (P), Dam: Grawenjobar Joanne 198th
- 5 161 **Longerenong College:** (CC), Bred By: Paringa Charolais, 27 Aug 2012, Sire: LCOC White Gold P002X, Dam: Bradiarna Cayenne
- LEDC02 - LED HEAVY DOMESTIC (241-300KG) HEAT 2**
- 1 165 **Longerenong College:** (LL), Bred By: Flemington Limousins, 9 Nov 2012, Sire: Runl Stetson, Dam: Flemington Poll Waratah C9
- 2 226 **Team H - The Bend South Devon:** (SD), Bred By: C & L Daley, 20 Oct 2012, Sire: The Bend Easyrider, Dam: The Bend Lucy A15
- 3 182 **Nagle College:** (LLXSI), Bred By: J Craddock, 15 Aug 2012
- 4 180 **Nagle College:** (LL), Bred By: D & G Freshwater, 13 Sep 2012, Sire: Clifton View Yes
- 5 219 **Team H - C & L Daley:** (SD), Bred By: C & L Daley, 11 Sep 2012, Sire: The Bend Easyrider, Dam: Lincoln Debra D3
- LEDC03 - LED HEAVY DOMESTIC (241-300KG) HEAT 3**
- 1 115 **Bruangil Park:** (LLXLL/AA), 3 Sep 2012, Sire: Bruangil Park Eminence
- 2 181 **Nagle College:** (LLXAA), Bred By: D & G Freshwater, 28 Aug 2012, Sire: Birubi Ernie
- 3 222 **Team H - King & Button:** (SD), Bred By: King, 12 Sep 2012, Sire: Ashlea Dominator, Dam: The Bend Esther
- 4 162 **Longerenong College:** (CC), Bred By: Paringa Charolais, 7 Sep 2012, Sire: LCOC Top Grade P043R, Dam: Airlie Digna Z147E
- 5 157 **Kerang Technical High School:** (LL), Bred By: A & M Van der Drift, 1 Sep 2012
- LEDC04 - LED HEAVY DOMESTIC (241-300KG) HEAT 4**
- 1 167 **Longerenong College:** (LL), Bred By: Mainstream Limousins, 17 Sep 2012, Sire: Mainstream Artichoke
- 2 113 **Billabong High School:** (SIXAA), Bred By: Summervale Black Simmental, 16 Sep 2012, Sire: St Pauls Dream Maker, Dam: Team Te Mania E19
- 3 194 **Rural Industry Skill Training:** (MG), Bred By: Good Sheppard, 2 Apr 2012, Sire: Zeus
- 4 221 **Team H - King & Button:** (SD), Bred By: C & L Daley, 18 Sep 2012, Sire: The Bend Easyrider, Dam: The Bend Brooke
- 5 210 **St Pauls College:** (RPXLL), Bred By: L Martin, 27 Jul 2012, Sire: Rhyd-Talog Kemen, Dam: Le Martres Desney
- LEDD01 - LED EXPORT (300+KG) HEAT 1**
- 1 137 **David Galpin:** (LL/AAXLL), 20 Mar 2012
- 2 171 **Longerenong College:** (SIXCC/HH), 2 Aug 2012, Sire: Beefmaker R13, Dam: Longerenong 4.25
- 3 110 **Billabong High School:** (SD), Bred By: R J & G J Wilton, 15 Aug 2012, Sire: The Bend Ferdinand, Dam: Rowinda Regal 3
- 4 111 **Billabong High School:** (SD), Bred By: S & S Hamson, 5 Aug 2012, Sire: Torr Down Hallmark 10, Dam: Lincoln Debra 109
- 5 166 **Longerenong College:** (LL), Bred By: Mainstream Limousins, 17 May 2012, Sire: Homestation B3206
- LEDD02 - LED EXPORT (300+KG) HEAT 2**
- 1 148 **Goulburn Valley Grammar:** (CC), Bred By: Glental Partnership, 10 Jul 2012
- 2 239 **Yanco Agricultural High School:** (LL), 16 Apr 2012, Sire: Ambledale P Black Doultton, Dam: Stevens Lucinda
- 3 172 **Longerenong College:** (SS), Bred By: Eloora Shorthorns, 5 Mar 2012, Sire: Marallen Indestructible, Dam: Eloora Designer Queen W38
- 4 229 **The University Of Adelaide:** (MG), Bred By: J R & D J Koopman, 12 May 2012, Sire: Monterey Enquirer, Dam: Bottlesford Rainbow
- 5 158 **Longerenong College:** (AA), Bred By: Claremont Blacks, 4 May 2012, Sire: Claremont Blacks F082, Dam: Claremont Blacks Daisy A512

**SCHOOL AND COLLEGE AWARDS**  
**MOST SUCCESSFUL SCHOOLS OR COLLEGE EXHIBITOR**  
**THE BOTT-BURSTON TROPHY**

Longerenong College

School	Points	Place
Longerenong College	35	1
Finley High School	29	2
Billabong High School	27	3
Yanco Agricultural High School	15	
Goulburn Valley Grammar	14	
St Mary of The Angels College	8	
Nagle College	7	
Kerang Technical High School	3	
Marcus Oldham	3	
Rural Industry Skill Training	3	
The University Of Adelaide	1	
Geelong Grammar School, Timbertop	0	

**CHAMPION SCHOOLS LED STEER OR HEIFER**

Exhibit 165, **Longerenong College**, Limousin

Bred By: Flemington Limousins, 9 Nov 2012, Sire: Runl Stetson, Dam: Flemington Poll Waratah C9

**RESERVE CHAMPION SCHOOLS LED STEER OR HEIFER**

Exhibit 148, **Goulburn Valley Grammar**, Charolais

Bred By: Glental Partnership, 10 Jul 2012

**SCHOOL AND COLLEGE PARADERS AWARDS**

**CHAMPION SCHOOL STEER OR HEIFER PARADER**

Aimee Bolton, Goulburn Valley Grammar

**RESERVE CHAMPION SCHOOL STEER OR HEIFER PARADER**

Alexander Chester, St Mary of The Angels College

## SCHOOL AND COLLEGE PARADERS CLASS RESULTS

## SCH-H1 - SCHOOL AND COLLEGE PARADERS HEAT 1, 12-13

- 1 Chelsea Ford: Finley High School
- 2 Hannah Heaney: Finley High School
- 3 Darcy Webb: Finley High School
- 4 James McCaw: Finley High School
- 5 Zac Barlow: Finley High School
- 6 Daniel Morton: Billabong High School

## SCH-H2 - SCHOOL AND COLLEGE PARADERS HEAT 2, 14

- 1 Georgia Nelson: St Mary of The Angels College
- 2 Victoria Alexander: Finley High School
- 3 Jacob Brenan: St Mary of The Angels College
- 4 Emilee Harrison: Finley High School
- 5 Michelle Barnes: Finley High School
- 6 Daniel Hustwayte: Finley High School

## SCH-H3 - SCHOOL AND COLLEGE PARADERS HEAT 3, 14

- 1 Logan Manwaring: Yanco Agricultural High School
- 2 Fraser Taig: Finley High School
- 3 Tom Burns: Finley High School
- 4 Clay Willshire: Gundagai High School
- 5 Adam Gardiner: Kerang Technical High School
- 6 Samuel Beaumont: Billabong High School

## SCH-H4 - SCHOOL AND COLLEGE PARADERS HEAT 4, 15

- 1 Annie Pumpa: Billabong High School
- 2 Amber Rendell: Nagle College
- 3 Cheyenne Allen: Billabong High School
- 4 Ben Jones: Rutherglen High School
- 5 Winnie Packer: Geelong Grammar School, Timbertop
- 6 Harry McDonald: Geelong Grammar School, Timbertop

## SCH-H5 - SCHOOL AND COLLEGE PARADERS HEAT 5, 15

- 1 Jorja Daniel: Finley High School
- 2 Emily Pinnuck: Billabong High School
- 3 Stacey Gardiner: Finley High School
- 4 Caitlin Hamilton: St Mary of The Angels College
- 5 Taylor Piper: Gundagai High School
- 6 William Crane: Gundagai High School

## SCH-H6 - SCHOOL AND COLLEGE PARADERS HEAT 6, 15

- 1 Karly McCormack: Finley High School
- 2 Lucy Godde: Billabong High School
- 3 Odette Mara: Yanco Agricultural High School
- 4 Gwen Lawton: Finley High School
- 5 Jack Nelson: St Mary of The Angels College
- 6 Mitchel Cattle: Yanco Agricultural High School

## SCH-H7 - SCHOOL AND COLLEGE PARADERS HEAT 7, 15-16

- 1 Ashleigh O'Leary: Finley High School
- 2 Amy Dawkins: Billabong High School
- 3 Caleb Catena: Finley High School
- 4 Georgia Fleming: Nagle College
- 5 Nicholas Bowler: Billabong High School
- 6 Alex O'Leary: Finley High School

## SCH-H8 - SCHOOL AND COLLEGE PARADERS HEAT 8, 16

- 1 Aimee Bolton: Goulburn Valley Grammar
- 2 Alexander Chester: St Mary of The Angels College
- 3 Toby Commens: Yanco Agricultural High School
- 4 Michaela Akeroyd: Nagle College
- 5 Georgia Erfurth: Nagle College
- 6 Ellen Woodgate: Nagle College

## SCH-H9 - SCHOOL AND COLLEGE PARADERS HEAT 9, 16

- 1 Rebecca Ritchie: Yanco Agricultural High School
- 2 Laura Harris: Yanco Agricultural High School
- 3 Jack Hanlon: Billabong High School
- 4 Chelsea Raynor: Billabong High School
- 5 Caitlyn Beer: Yanco Agricultural High School
- 6 Jacqueline Tippett: Emmanuel College Inc

## SCH-H10 - SCHOOL AND COLLEGE PARADERS HEAT 10, 16 - 17

- 1 Darcy Booth: Yanco Agricultural High School
- 2 Zoe Howe: Yanco Agricultural High School
- 3 Jack Anthony: Finley High School
- 4 Kitty Lawton: Finley High School
- 5 Jakob Bingham: Billabong High School
- 6 Lucy Tanner: Rural Industry Skill Training

## SCH-H11 - SCHOOL AND COLLEGE PARADERS HEAT 11, 17

- 1 Nikki Williamson: Finley High School
- 2 Jeremy Robertson: Finley High School
- 3 Rosie Cleve: Finley High School
- 4 Annie Giblin: Emmanuel College Inc
- 5 Chris McAllister: Finley High School
- 6 Rhys Martin: Kerang Technical High School

## SCH-H12 - SCHOOL AND COLLEGE PARADERS HEAT 12, 17 - 19

- 1 Kyam Shapcott: Longerenong College
- 2 William Christie: Billabong High School
- 3 Jessica Parker: Longerenong College
- 4 Olivia Ryan: Longerenong College
- 5 Kate Redenbach: Nagle College
- 6 Taneekah Craze: (BAXAA), Nagle College

## SCH-H13 - SCHOOL AND COLLEGE PARADERS HEAT 13, 19 - 20

- 1 Ethan O'Loughlin: Longerenong College
- 2 Mia Muller: Longerenong College
- 3 Nicola Woodward: The University Of Adelaide
- 4 David Leech: Longerenong College
- 5 Emma Egan: Longerenong College
- 6 Cameron Luckins: Longerenong College

## SCH-H14 - SCHOOL AND COLLEGE PARADERS HEAT 14, 20+

- 1 Erin Arnott: Longerenong College
- 2 Hannah Torney: Longerenong College
- 3 Teagan Conley: Longerenong College
- 4 Tori Fuerst: Longerenong College
- 5 Isla Wilson: Longerenong College
- 6 Melissa McGowan: Longerenong College

**BEEF CARCASE CHAMPION AWARDS**  
**CARCASE CHAMPION AWARDS**

**GRAND CHAMPION CARCASE**

Exhibit 111, **Billabong High School**, South Devon, 91.62

Bred By: S & S Hamson, 5 Aug 2012, Sire: Torr Down Hallmark 10, Dam: Lincoln Debra 109

**CHAMPION MEDIUM DOMESTIC CARCASE**

Exhibit 184, **Marcus Oldham**, Angus, 90.90

**CHAMPION HEAVY DOMESTIC CARCASE**

Exhibit 173, **Longerenong College**, Shorthorn, 91.42

Bred By: Marschay Shorthorns, 12 Sep 2012, Sire: Marschay Angus, Dam: Marschay Y70

**CHAMPION EXPORT CARCASE**

Exhibit 111, **Billabong High School**, South Devon, 91.62

Bred By: S & S Hamson, 5 Aug 2012, Sire: Torr Down Hallmark 10, Dam: Lincoln Debra 109

**CHAMPION SCHOOLS CARCASE**

*THE MARCUS OLDHAM COLLEGE TROPHY*

Exhibit 111, **Billabong High School**, South Devon

**HIGHEST SCORING SCHOOL BRED AND PREPARED CARCASE**

*THE NORTHERN MELBOURNE INSTITUTE OF TAFE TROPHY*

Exhibit 171, **Longerenong College**, Simmental x (Charolais x Hereford), 91.08

**CLARK RUBBER STEER BONANZA**

1<sup>st</sup> Exhibit 103, Ashwood Park Charolais (CCXAA/SI), 90.49

2<sup>nd</sup> Exhibit 102, Ashwood Park Charolais (CC), 89.80

3<sup>rd</sup> Exhibit 175, Nagle College (BAXAA), 89.63