

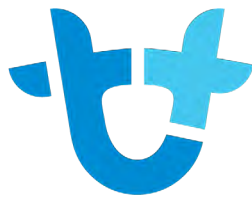
ARCUO

# BENDEMEER BULL SALE

THURSDAY 9 NOVEMBER 2023 • CLERMONT



EST. 1957  
WINVIC  
PASTORAL  
CLERMONT



# AuctionsPlus

## How to Register and Bid on AuctionsPlus

1

Go to [www.auctionsplus.com.au](http://www.auctionsplus.com.au) to register at least 48 hours before the sale.

2

Select “**Sign Up**” in the top right hand corner.

3

Fill out your name, mobile number, email address and create a password.

4

Go to your emails and confirm the account.

5

Return to AuctionsPlus and log in.

6

Select “**Dashboard**” and then select “**Request Approval to Buy**”.

7

Fill in buyer details and once completed go back to Dashboard.

8

Complete buyer induction module (approx. 30 minutes).

9

AuctionsPlus will email you to let you know that your account has been approved.

10

Log in on sale day and connect to auction.

11

Bid using the two-step process – unlock the bid button and bid at that price.

12

If you are successful, the selling agent will contact you post sale to organise delivery and payment.

For more information please contact us on:

Phone: (02) 9262 4222

Email: [info@auctionsplus.com.au](mailto:info@auctionsplus.com.au)

# Sale Day Agenda

## 45 TROPICAL COMPOSITE BULLS

## 1 SEMEN PACKAGE

### HELMSMAN AUCTION

- 8:00 am** Bull Inspections  
Bid Card Registrations
- 10:00 am** Guest Speaker  
Bronte Lloyd, Animal Production Specialist  
for Nutrien Ag Solutions Qld.  
**“Feeding For Fertility – how to  
supplement your bulls and breeders for  
successful reproduction”**
- 10:30 am** Bull Inspections  
Bidding Available on AuctionsPlus from 11am
- 12 midday** Helmsman Auction opens live on site at  
*Bendemeer* and continues online with  
AuctionsPlus

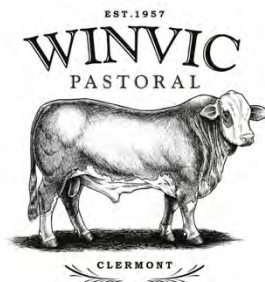
#### Directions

From Clermont, head North along Gregory Developmental Road towards Belyando Crossing. *Bendemeer* is 35km from Clermont on the western side of the highway.

#### Contacts

Jake Passfield (H&W) – 0488 588 044  
Tony Hoch (H&W) – 0448 831 553  
Doug Burnett – 0427 030 883  
Alice Marks – 0427 835 078

There will be smoko available all morning and a BBQ lunch at the conclusion of the sale.


AuctionsPlus®  
Australia's Livestock Marketplace



# Welcome to the 2023 Bendemeer Tropical Composite Bull Sale.

After quite a bit of deliberation and for several reasons, Amanda and I have made the decision that this will be our last on property sale for at least the next few years. We will continue to breed bulls, and when possible, will still have paddock bulls available for sale. Primarily, this decision has come from a need to provide quality, profitable, well measured bulls for our own expanding, commercial breeding herds.

The process of selling bulls has evolved markedly in recent years. As buyers embrace new technologies like genomics and online buying platforms, there will no doubt be other potential selling opportunities on the horizon, and we will consider these opportunities when they arise.

Of course, this decision has made us reflect on the past 15 years and consider what has been achieved and what has changed since the first bull sale was held in 2009.

I am proud of the fact that we have always seen our Bendemeer Sale as a learning opportunity as much as a bull selling venue. Right from the very start we have ensured there was always a guest presenter on the day to share their knowledge and discuss topics relevant to commercial beef production.

I am also immensely proud, that from the beginning we have always aimed to provide buyers with as much relevant and measured information on the bulls as possible, and always tried to continuously improve what type of information we provide.

A big focus of ours is to measure semen quality and in particular semen morphology. Since the very first sale, bulls sold at every Bendemeer Sale have ALWAYS been sold with semen morphology information. I am exceptionally proud of this, but frustrated and disappointed that still today so many stud producers and stud sales are failing to adopt what is tried and proven and no longer a "NEW Technology"!

Fundamentally, morphology testing is just another objective measurement taken of an animal, like a weight or EMA measurement. From as far back as the early 1980s the Bendemeer Braford herd has been objectively measured. Initially with weights and growth rates, to now also being recorded on BreedPlan and enrolled in the Northern Genomics Project. This enables us to use EBVs, GBVs and all the associated data to help inform our selection decisions. From our point of view, objective animal measurement is the ONLY way we can be sure our genetics are continuously advancing. If we are not measuring, we cannot be sure we are improving each and every year.

Although it seems to be happening slowly, I think a change is occurring and I'm optimistic that something as basic as morphology testing and objective measurement might finally become the norm for Queensland bull sales!

If we have learnt anything in the past year, it should be that we must never get too comfortable and become complacent. One advantage of a low cattle market is that the financial losses are reduced when cattle die! We have certainly been feeling this in the last couple of months with an extremely severe outbreak of 3-day sickness (BEF) moving through our bullocks. All totalled, we have had about 50 head die so far at Bendemeer and Yackadoo with many more knocked around to a lesser extent. Thankfully, all bulls in today's sale team had already received one shot of 3-day vaccine before the outbreak and came through unscathed.

Often when purchasing bulls from different sales throughout the year, it can be difficult to keep track of the different vaccinations bulls have received prior to sale and the task of ensuring all your new bulls are fully protected before joining can be confusing.

To help with this issue, a number of industry groups including the Australian Veterinary Association have developed and endorsed the "Immune Ready" program which sets a minimum vaccination standard for different sale animals based on geographic location and animal class. Once sale animals have met this standard, they can be sold displaying the Immune Ready logo.

With time, this Immune Ready logo will grow to represent the gold standard for animal vaccination history and will give buyers confidence to purchase cattle.

ALL of the bulls offered at our 2023 sale meet the Immune Ready standard and are ready to head straight to your paddock and work.

Further details on the Immune Ready program and the specific vaccination schedule for these sale bulls can be found within this catalogue.

Like many others around the country, the dry conditions have made us adapt and change. We didn't have much of an oats crop at Yackadoo this year and as a result, we made the decision at the start of October to give these bulls a nutritional boost in order to look presentable for the sale. All bulls have been on Manildra Dried Distillers' Grain (DDG) Pellets since October 4th (30 days). The pellets have provided a protein and energy source whilst the bulls have been on buffel grass pasture. This extra feed has boosted the bulls along nicely and I think they are presented well, but by no means are they anywhere near overfed!

As I look to the future of our bull breeding program here at Bendemeer, the focus on measurement and analysis of commercially relevant traits (growth rate, fertility, feed efficiency, meat quality, methane output) will stay strong.

What is waning and will continue to fade is a dedication to any one particular breed, colour or show ribbon winner. If our industry is serious about tackling future challenges, we need to adopt new, proven ideas and proven technologies to remain relevant.

I greatly look forward to all these challenges ahead, some with more gusto than others, but as they say, "every challenge ... contains within it the seeds of opportunity and growth."

To those of you who have been coming to this sale for many, many years; thank you so much for your support, encouragement, and your friendship. We are truly grateful.

To others who have been part of this for a shorter time, thank you for your interest and support. We hope your day here at Bendemeer has been enjoyable.

Once again, we thank our neighbours and great friends, the Marks family, for joining us as invited vendors this year. We

have enjoyed sharing our sale with you immensely and commend you on your persistence to continue to breed profitable cattle with commercially relevant traits and with phenotype predictability. We were very proud to see your bulls sell so well at this year's Braford National Sale and will continue to cheer you on in future sales.

I thoroughly enjoy the challenge of breeding commercially relevant beef bulls and I am not stepping away from that challenge any time soon. Being a part of these Bendemeer Bull Sales over the last 15 years has been challenging, nerve-racking, frustrating, exciting, hot, wet, fun, deeply rewarding and, overall, a pleasurable experience! This is not the end, but just a slightly different path for a while!

Sincerely yours in commercially relevant beef genetics,

*DOUG BURNETT*



# A huge thank you to the Burnett Family for inviting us to present bulls at the Bendemeer Sale for the past 6 years.

Our relationship with our neighbours is strengthened by the shared interest and goal of continually advancing our herds' efficiency and productivity. Our friendship is one built on respect and honesty and it has allowed us to collaborate and celebrate each other's success. We thank our dear friends for the opportunity to join them in selling our genetics at Bendemeer.

Genetic gain is slow and compounding. Measuring genetic gain has become essential in taking our herd forward. Our small operating scale means we need keep pressure on our profit drivers and we understand that investment in genetics must be affordable; in other words the genetics we purchase must offer measurable gain at good value for money. We feel the Bendemeer Sale offers exactly that, fully described bulls with all the information needed to make an informed decision at an affordable price.

Last year, along with the Bendemeer herd, we joined the Northern Genomics reference population and we are very pleased to also have this year's weaner heifers join the next cohort. They will have objective measurements for 8 traits and their genotypes analysed. Having our animals in this project gives us a high degree of confidence in our genetic progress. This is a big step forward in the way we approach our selection of genetics and will create improved efficiency. The 8 traits currently analysed through GBVs are all profit drivers in Northern herds. We are using the GBV and EBV results as well as phenotypical measurement to identify bottom performing animals early on and dropping them out of the system. While the top performers stay in the herd and the top 3% are replicated through IVF technology which is allowing for rapid genetic gain. We are very excited to see the impact these measures will have on our herds productivity in the next few years and into the future.

The 3 bulls we offer at this year's sale all have strong GBVs for growth and puberty as well as great scan results balancing muscle and marbling. Like the Bendemeer bulls they have had 30 days of DDG pellets as we also missed out on an oats crop.

We are extremely happy to offer 20 straws of semen in our homebred bull Q3579 PP. He is an outstanding bull that



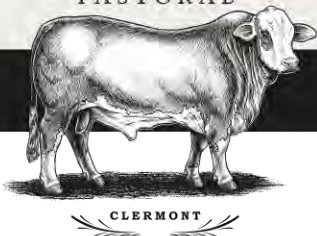
breeds very fertile daughters, his first drop are calving out now as 2 yo. Structurally very correct, he passes on tropical skin, good feet and great temperament. His dam is our best performing cow who offers short gestation and she has 363 day calving interval after 4 calves and is PTIC. She is a donor cow who had 8 IVF calves born September 2023, by 2 leading US Poll Hereford sires who are multi trait leaders for their breed. We are very pleased to be able to share Q3579 for the first time.

We thank you for your ongoing support and interest in our genetics program and wish you every success with your purchases.

Sincerely,  
Darren and Alice Marks and family.



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NATURAL • SUSTAINABLE • ETHICAL

328 Kilcummin Road, Clermont Qld 4721 [winvicpastoral.com.au](http://winvicpastoral.com.au)

**Lot:**

Printed on white ear tags.

**Bull ID:**

Lifetime identification number given to all bulls.

**Society ID:**

This is the individual Breed Society identification given to the animals recorded on the Australian Tropical Composites database. Please note Lots 43 and 45 are also registered on the Braford Society Database.

**Sire:**

Where the sire has been determined using DNA parentage verification, the name of the sire is listed. For the other bulls, the breed of the sire is given.

**Dam:**

Ident number of the dam (Braford) or breed and origin of the dam (Composites).

**Dam History:**

Only possible if Dam ID is known. The number of calves the dam has had in her life (including if she was preg-tested to calve this season) and the number of times she has been joined with a bull.

**Horns:**

Braford Bulls have their horn genotype recorded; PP = homozygous polled, PH = heterozygous polled and HH = homozygous horned. Obviously, a PP bull is preferable as he will produce mostly polled calves.

Other bulls have phenotype recorded; H = Horns, P = Polled, S = Scurrs.

**Weaning Weight:**

Weight of the bull at weaning, usually in July or August. Weights highlighted are those above average for that year group (cohort).

**Weight Ratio 1:**

We use the Weight Ratios to compare the ADG of the individual bull's growth rate against the rest of his contemporary group. Ratio 1 shows performance from Weaning Weight to 400 days. A ratio of 100 is equal to the average ADG for that group. If above 100, that bull has a better than average growth rate.

**ADG Ratio 2:**

As for Ratio 1 but calculated using weaning and 600-day weights. As each cohort of bulls grows older, we continually cull the poor performers. This means that the "average" is continually lifted and at each ratio the ADG required to meet average is increased.

**Sale Weight:**

This is the most up to date weight of the individual.

**Weaning to Sale ADG:**

Individual average daily gain (kg/day), measured from their weaning weight to their most recent weight (Sale Weight).

**DOB:**

Birthdate of the bull (when known).

**Age:**

If a date of birth is known the age is in months. Otherwise, the approximate age is given in years. Calves are born between October and January

**VBBSE:**

A Veterinary Bull Breeding Soundness Evaluation (VBBSE) was conducted on all sale bulls in July 2023 by Dr Brendan Briefies. This included scrotal size (cm), a crush side semen evaluation and collection of semen to send for laboratory analysis of semen morphology.

**Scrotal Size:**

Scrotal circumference measured in centimetres (cm). This is an important indicator of fertility and, when measured early, an indicator of puberty age in bulls and their future daughters.

**Semen Morph (%N):**

A specially trained Laboratory Morphologist inspects 200 of the individual preserved sperm collected from each bull under a high-powered microscope. Any defects or abnormalities in the sperm are identified and categorised. Some defects are hereditary and despite the sperm's ability to move and successfully fertilise an egg, can cause early term abortions. This may lead to females being culled from the herd unnecessarily. A result of percent normal sperm is given (%N). Between 50% and 70% is considered adequate for multi-sire joining. Greater than 70% normal is considered ideal and required for single sire joining.

**All bulls offered in this sale are considered fit for breeding.**

**Scanning:**

Bulls have all been ultrasound scanned by David Reid.

**Vaccinations:**

All bulls meet the Immune Ready guidelines and have been vaccinated for 3-day sickness (BEF), Botulism, Tick Fever (3-germ blood), 7-in-1, Vibrio and Pestivirus. Booster shots will be due in September 2024.

**Pre-treatment:**

The bulls have all been plunge dipped, and if required can be dipped again prior to transport.



## VACCINATION RECOMMENDATIONS

	CLOSTRIDIAL Tetanus, pulpy kidney etc	LEPTOSPIROSIS <i>Leptospira hardjovis</i> , <i>Leptospira pomona</i>	PESTIVIRUS Bovine Viral Diarrhoea Virus (BVDV)	VIBRIO <i>Campylobacter fetus</i> subspecies <i>venerealis</i>	IBR Infectious bovine rhinotracheitis	BRD (MH) <i>Mannheimia haemolytica</i>	JD John's Disease	BOTULISM <i>Clostridium botulinum</i>	CALF SCOURS Rotavirus, Coronavirus and <i>E.coli</i>	SALMONELLA <i>Salmonella enterica</i> spp.	PINK EYE <i>Moraxella bovis</i>	BOVINE EPHEMERAL FEVER (BEF) 3-day sickness	TICK FEVER <i>Babesia</i> spp, <i>Anaplasma</i> spp.
BREEDER BULLS	+	+	🔬	+	+	+	+	+	⊗	⊗	+	+	+
BEEF BREEDING FEMALES	+	+	🔬	+	+	+	+	+	+	+	+	+	+
DAIRY BREEDING FEMALES	+	+	🔬	+	+	+	+	+	+	+	+	+	+
STEERS / NON-BREEDING FEMALES OR NON-BREEDING BULLS	+	+	+	⊗	+	+	⊗	+	⊗	⊗	+	+	+



CORE VACCINE

CORE FOR NAIVE ANIMALS - CONSULT YOUR VETERINARIAN FOR TESTING TO DETERMINE STATUS

IMPORTANT DISEASES IN CERTAIN AREAS AND/OR PRODUCTION SYSTEMS

IMPORTANT IN CERTAIN GEOGRAPHIES AND/OR SEASONS (SEE MAPS)

UNNECESSARY - DOES NOT IMPACT THIS CLASS OF STOCK

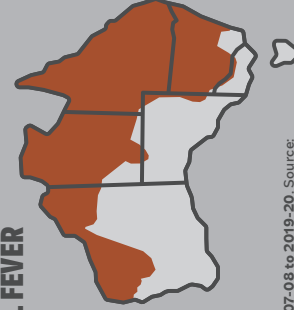
VACCINATION WILL MAKE CATTLE INELIGIBLE FOR LIVE EXPORT TO SOME COUNTRIES

### CATTLE TICK DISTRIBUTION MAP



Tick Fever zones as at 31 December 2020. Source: Animal Health Australia

### BOVINE EPHEMERAL FEVER DISTRIBUTION MAP



Distribution of BEF in Australia 2007-08 to 2019-20. Source: National Abovirus Monitoring Program, Animal Health Australia



## Bendemeer Bull Sale 2023 Vaccination Schedule

Vaccine	\$/dose	Bendemeer Bulls	Winvic Bulls
7in1	\$ 2.57	Apr-22	02/05/2022
3 Germ Blood	\$ 5.41	22/09/2022	Jun-22
7in1	\$ 2.57	22/09/2022	07/09/2022
SingVac <u>3-year</u>	\$ 2.66	07/07/2023	30/10/2023
3-day BEF	\$ 11.95	07/07/2023	07/09/2022
Vibrio	\$ 11.03	07/07/2023	07/09/2022
Pestigard	\$ 4.42	06/09/2023	15/03/2023
3-day BEF	\$ 11.95	06/09/2023	17/06/2023
Vibrio	\$ 11.03	06/09/2023	17/06/2023
Pestigard	\$ 4.42	28/09/2023	17/06/2023
Rhinogard	\$ 3.82	28/09/2023	30/10/2023
Pesti Virus PI Test	\$ 25.00	28/09/2023	30/10/2023
7in1	\$ 2.57	24/10/2023	30/10/2023
Total Product Costs/head	\$ 99.40		

*Bulls will be due for most boosters around September 2024*

## LOT 1 BULL ID: BENT2260



EBVs

GBVs

SIRE: BURRADOO 2393

DAM: BRAFORD COW

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
31/10/2021	24 months	33.5	71	116	4	3	3.7

COMMENTS:

PURCHASE \$

## LOT 3 BULL ID: BENT2222



EBVs

GBVs

SIRE: BURRADOO 2393

DAM: BB2255

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
10/10/2021	25 months	33.5	58	120	4	4	4.7

COMMENTS:

PURCHASE \$

## LOT 2 BULL ID: BENT2206



EBVs

GBVs

SIRE: BURRADOO 2393

DAM: BB2117

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
14/11/2021	24 months	33	82	124	7	5	5.2

COMMENTS:

PURCHASE \$

## LOT 4 BULL ID: BENT2004

SIRE: BURRADOO 2393

DAM: R0084

EBVs

GBVs

NO. CALVES: 2 DAM HISTORY NO. JOINS: 2

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
31/10/2021	24 months	37	91	123	6	5	4.8

COMMENTS:

PURCHASE \$

## LOT 5 BULL ID: BENT2045

SIRE: BENDEMEER K4053

DAM: K4107

EBVs

GBVs

NO. CALVES: 6 DAM HISTORY NO. JOINS: 8

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
10/10/2021	25 months	32.5	89	112	6	5	5.8

COMMENTS:

PURCHASE \$

## LOT 6 BULL ID: BENT2027

SIRE: BENDEMEER K4053  
DAM: H2015

EBVs GBVs

NO. CALVES: 10 NO. JOINS: 10

DAM HISTORY

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
3/10/2021	25 months	32	94	116	4	3	4.2

COMMENTS:

PURCHASE \$

## LOT 7 BULL ID: BENT2035

SIRE: BENDEMEER K4053  
DAM: G1084

EBVs GBVs

NO. CALVES: 11 NO. JOINS: 11

DAM HISTORY

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
10/10/2021	25 months	36	76	118	4	4	4.2

COMMENTS:

PURCHASE \$

## LOT 8 BULL ID: BENT2072



EBVs

GBVs

SIRE: BENDEMEER K4053  
DAM: P8024

NO. CALVES: 4 NO. JOINS: 4

DAM HISTORY

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
14/11/2021	24 months	42.5	94	124	6	5	5.2

COMMENTS:

PURCHASE \$

## LOT 9 BULL ID: BENT2108



EBVs

GBVs

SIRE: BENDEMEER K4053  
DAM: P8058

NO. CALVES: 3 NO. JOINS: 3

DAM HISTORY

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
21/11/2021	24 months	35	72	115	4	3	3.6

COMMENTS:

PURCHASE \$

## LOT 10 BULL ID: BENT2024

SIRE: BENDEMEER Q9240  
DAM: R0011

EBVs GBVs

NO. CALVES: 2 NO. JOINS: 2

DAM HISTORY

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
21/11/2021	24 months	34	80	112	5	4	4.6

COMMENTS:

PURCHASE \$

## LOT 11 BULL ID: BENT2083

SIRE: CARINYA WARLOCK  
DAM: J3107

EBVs GBVs

NO. CALVES: 9 NO. JOINS: 9

DAM HISTORY

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
31/10/2021	24 months	36	73	114	5	4	4.6

COMMENTS:

PURCHASE \$

## LOT 12 BULL ID: BENT2102



EBVs

GBVs

**SIRE:** CARINYA WARLOCK  
**DAM:** L5063

**NO. CALVES:** 6 **NO. JOINS:** 6

**DAM HISTORY**

**HORNS:** POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
28/11/2021	23 months	31	92	118	5	4	5.4

COMMENTS:

PURCHASE \$

## LOT 14 BULL ID: BENT2214



EBVs

GBVs

**SIRE:** BINARA PHAROAH P009 (S) - (HEREFORD)  
**DAM:** TS 19

**NO. CALVES:** 3 **NO. JOINS:** 3

**DAM HISTORY**

**HORNS:** POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
14/11/2021	24 months	35.5	77	120	6	4	4.8

COMMENTS:

PURCHASE \$

## LOT 13 BULL ID: BENT2203



EBVs

GBVs

**SIRE:** JARRAH ANZAC K220 P260 (AI)(ET)(PP) CDIP260 - (HEREFORD)

**DAM:** Q9292

**NO. CALVES:** 1 **NO. JOINS:** 2

**DAM HISTORY**

**HORNS:** SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
14/11/2021	24 months	33	97	113	5	5	4.2

COMMENTS:

PURCHASE \$

## LOT 15 BULL ID: BENT2230

**SIRE:** JARRAH ANZAC K220 P260 (AI)(ET)(PP) CDIP260 - (HEREFORD)

**DAM:** Q9223

**NO. CALVES:** 3 **NO. JOINS:** 3

**DAM HISTORY**

**HORNS:** POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
14/11/2021	24 months	33	67	111	5	4	4.7

COMMENTS:

PURCHASE \$

## LOT 16 BULL ID: BENT2233

**SIRE:** JARRAH ANZAC K220 P260 (AI)(ET)(PP) CDIP260 - (HEREFORD)

**DAM:** Q9291

**NO. CALVES:** 3 **NO. JOINS:** 3

**DAM HISTORY**

**HORNS:** POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
7/11/2021	24 months	34	88	114	6	4	4.3

COMMENTS:

PURCHASE \$

## LOT 17 BULL ID: BENT2077

SIRE: URALLA GRADUATE 647  
DAM: K4037

EBVs GBVs

NO. CALVES: 7 NO. JOINS: 8

DAM HISTORY

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
31/10/2021	24 months	33	69	111	4	3	3.7

COMMENTS:  
PURCHASE \$

## LOT 18 BULL ID: BENT2051



EBVs  
GBVs

SIRE: BRAFORD HERD BULL  
DAM: K4240

NO. CALVES: 8 NO. JOINS: 8

DAM HISTORY

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
3/10/2021	25 months	30	61	123	5	4	5.2

COMMENTS:  
PURCHASE \$

## LOT 19 BULL ID: BENT2030



EBVs  
GBVs

SIRE: BRAFORD HERD BULL  
DAM: L5060

NO. CALVES: 7 NO. JOINS: 7

DAM HISTORY

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
3/10/2021	25 months	38.5	82	124	6	4	5.2

COMMENTS:  
PURCHASE \$

## LOT 20 BULL ID: BENT2042

SIRE: BRAFORD HERD BULL  
DAM: L5009

EBVs GBVs

NO. CALVES: 6 NO. JOINS: 7

DAM HISTORY

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
10/10/2021	25 months	40	94	126	5	4	4.2

COMMENTS:  
PURCHASE \$

EBVs

GBVs

The EBV and GBV stickers indicates that individual LOT has further genetic breeding value information available.

There is a table of EBVs and a table of GBVs towards the back of this catalogue.

# SOUTH DEVON COMPOSITES

BENDEMEER

## LOT 21 BULL ID: BENT2046



SIRE: KILDARE STH DEVON  
DAM: M6101

NO. CALVES: 6 DAM HISTORY NO. JOINS: 6

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
3/10/2021	25 months	34	88	120	7	5	4.5

COMMENTS:  
PURCHASE \$

## LOT 23 BULL ID: T2417



SIRE: KILDARE STH DEVON  
DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	31	68	114	7	4	4.8

COMMENTS:  
PURCHASE \$

## LOT 22 BULL ID: T2428

SIRE: KILDARE STH DEVON  
DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	39	91	124	6	5	4.6

COMMENTS:  
PURCHASE \$

## LOT 24 BULL ID: T2418



SIRE: KILDARE STH DEVON  
DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	34	92	123	6	5	5.8

COMMENTS:  
PURCHASE \$

# SOUTH DEVON COMPOSITES

BENDEMEER

## LOT 25 BULL ID: T2403



SIRE: KILDARE STH DEVON

DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	30	58	105	4	4	5.8

COMMENTS:

PURCHASE \$

## LOT 26 BULL ID: T2412



SIRE: KILDARE STH DEVON

DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	32	94	115	5	4	5.2

COMMENTS:

PURCHASE \$

## LOT 27 BULL ID: T2426

SIRE: KILDARE STH DEVON

DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	35	78	110	3	3	4.6

COMMENTS:

PURCHASE \$

## LOT 28 BULL ID: T2430



SIRE: KILDARE STH DEVON

DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	34.5	92	121	6	5	4.7

COMMENTS:

PURCHASE \$

## LOT 29 BULL ID: T2427

SIRE: KILDARE STH DEVON

DAM: BRAHMAN X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	33	75	113	6	4	5.2

COMMENTS:

PURCHASE \$

# SOUTH DEVON COMPOSITES

BENDEMEER

**LOT 30** **BULL ID: BENT2264**



**SIRE:** KILDARE STH DEVON

**DAM:** R0263

**NO. CALVES:** 1 **DAM HISTORY** **NO. JOINS:** 2

**HORNS:** POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
26/12/2021	23 months	33	89	121	6	4	4.4

**COMMENTS:**

**PURCHASE \$**

**LOT 31** **BULL ID: T2407**



**SIRE:** KILDARE STH DEVON

**DAM:** BRAHMAN X

**NO. CALVES:** **DAM HISTORY** **NO. JOINS:**

**HORNS:** SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	32	80	118	5	5	5.3

**COMMENTS:**

**PURCHASE \$**

**LOT 32** **BULL ID: T2401**

**SIRE:** KILDARE STH DEVON

**DAM:** BRAHMAN X

**NO. CALVES:** **DAM HISTORY** **NO. JOINS:**

**HORNS:** POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	37	85	117	4	3	4.3

**COMMENTS:**

**PURCHASE \$**

Made  
Known<sup>™</sup>  
Thinking brands.





# BRAHMAN COMPOSITES

BENDEMEER

## LOT 33 BULL ID: BENT2250



EBVs

GBVs

SIRE: BRAHMAN BULL  
DAM: R0238

NO. CALVES: 2 DAM HISTORY NO. JOINS: 2

HORNS: HORNED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
21/11/2021	24 months	32	78	116	4	3	4.1

COMMENTS:  
PURCHASE \$

## LOT 34 BULL ID: BENT2245



EBVs

GBVs

SIRE: BRAHMAN BULL  
DAM: R0242

NO. CALVES: 1 DAM HISTORY NO. JOINS: 2

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
5/12/2021	23 months	32	94	123	5	4	4.1

COMMENTS:  
PURCHASE \$

## LOT 35 BULL ID: T2637

SIRE: BRAHMAN BULL  
DAM: STH DEVON X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	33	70	124	5	4	5.2

COMMENTS:  
PURCHASE \$

## LOT 36 BULL ID: T2615



SIRE: BRAHMAN BULL  
DAM: STH DEVON X

NO. CALVES: DAM HISTORY NO. JOINS:

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	32.5	70	123	7	5	4.1

COMMENTS:  
PURCHASE \$

## LOT 37 BULL ID: BENT2022

SIRE: BRAHMAN BULL  
DAM: R0083

EBVs

GBVs

NO. CALVES: 2 DAM HISTORY NO. JOINS: 2

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
28/11/2021	23 months	32	86	120	5	4	4.6

COMMENTS:  
PURCHASE \$

# BRAHMAN COMPOSITES

BENDEMEER

**LOT 38**

**BULL ID: T2606**



**SIRE:** BRAHMAN BULL

**DAM:** STH DEVON X

**NO. CALVES:** DAM HISTORY **NO. JOINS:**

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	36	79	118	5	5	5.4

**COMMENTS:**

PURCHASE \$

**LOT 39**

**BULL ID: T2612**

**SIRE:** BRAHMAN BULL

**DAM:** STH DEVON X

**NO. CALVES:** DAM HISTORY **NO. JOINS:**

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	35	84	111	6	4	3.8

**COMMENTS:**

PURCHASE \$

# ARCUO

**LOT 40**

**BULL ID: T2622**



**SIRE:** BRAHMAN BULL

**DAM:** STH DEVON X

**NO. CALVES:** DAM HISTORY **NO. JOINS:**

HORNS: SCURRED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	33.5	70	117	6	5	5.2

**COMMENTS:**

PURCHASE \$

**LOT 41**

**WITHDRAWN**

**LOT 42**

**BULL ID: T2642**



**SIRE:** BRAHMAN BULL

**DAM:** STH DEVON X

**NO. CALVES:** DAM HISTORY **NO. JOINS:**

HORNS: POLLED

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
	2 years	32	82	110	6	4	3.7

**COMMENTS:**

PURCHASE \$

# WINVIC BRAFORDS

WINVIC

LOT 43

BULL ID: WINS035



EBVs

GBVs

SIRE: CARINYA WARATAH (P) P119327 (BRAFOR)

DAM: Q3557

DAM HISTORY

NO. CALVES: 1

NO. JOINS: 2

HORNS: POLLED PP

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
5/11/2021	24 months	35	81	132	6	5	5.3

COMMENTS: DUAL REGISTERED BRAFOR AND TROPICAL COMPOSITE

PURCHASE \$

LOT 45

BULL ID: WINS015



EBVs

GBVs

SIRE: BINARA PIN POINT P006 (PP) (HEREFORD)

DAM: BD SAMMIE 572

DAM HISTORY

NO. CALVES: 4

NO. JOINS: 5

HORNS: POLLED HP

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
8/10/2021	25 months	40	*	124	8	6	4.7

COMMENTS: \*SEMEN RETEST AFTER 3DAY SICKNESS TO ENSURE FERTILITY

PURCHASE \$

LOT 44

BULL ID: WINS118(COM)



GBVs

SIRE: MULTISIRE (P) (HEREFORD)

DAM: BFD X SIM COW

DAM HISTORY

NO. CALVES: 5

NO. JOINS: 5

HORNS: POLLED PP

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
11/12/2021	24 months	39	86	124	7	5	5.8

COMMENTS: OUT OF COMMERCIAL HERD, BIRTHDATE IS APPROX. SO NO EBVS

PURCHASE \$

LOT 46

BULL ID: WIN20Q3579



SIRE: LINLORA IVOR 433 (P) P117716 (BRAFOR)

DAM: C405 WV449 (HEREFORD X BRAFOR)

DAM HISTORY

NO. CALVES:

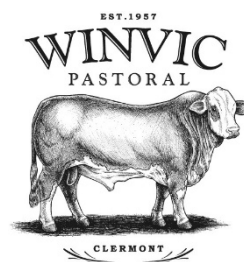
NO. JOINS:

HORNS: POLLED PP

DOB	AGE	SCROTAL SIZE (CM)	MORPH. %N	EMA	P8	RIB	IMF
1/10/2019							

COMMENTS: SEMEN PACKAGE – SELLING STRAWS ONLY

PURCHASE \$



# SALE BULLS EBV DATA

EBVs

## 2023 Bendemeer Sale Lots with EBV Data

October 2023 Australian Tropical Composite Group BREEDPLAN															
LOT	Society ID	Birth Wt (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat. Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	EMA (cm <sup>2</sup> )	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)	Domestic Index
	Accuracy (%)														
1	BENT2260	+0.7 43%	+10 64%	+11 63%	+20 64%	+19 48%	-	+0.1 66%	+12 51%	+1.5 35%	+0.7 42%	+0.8 42%	+0.2 32%	-0.1 28%	+12
2	BENT2206	+0.8 43%	+13 64%	+16 63%	+19 64%	+13 48%	-	-0.3 66%	+14 51%	+2.4 35%	+2.3 43%	+2.8 43%	-0.2 32%	+0.2 28%	+14
3	BENT2222	+1.7 43%	+18 64%	+15 63%	+22 64%	+14 48%	-	-0.6 66%	+15 51%	+2.3 35%	0.0 43%	0.0 43%	+0.9 32%	-0.2 28%	+16
4	BENT2004	+1.4 47%	+16.0 68%	+12 67%	+19 68%	+5 53%	+6 31%	+0.6 67%	+12 55%	+2.8 38%	+0.9 45%	+1.1 45%	+0.7 35%	0.0 30%	+15
5	BENT2045	-0.9 51%	+2 69%	+9 69%	+17 70%	+36 61%	+4 49%	0.0 71%	+13 58%	+2.3 43%	+0.1 50%	0.0 50%	+0.7 39%	-0.3 35%	+16
6	BENT2027	-2.1 50%	-4 69%	-1 68%	+2 70%	+25 58%	+2 50%	-0.1 70%	+3 57%	-0.6 43%	0.0 50%	-0.1 50%	-0.4 39%	-0.4 35%	+1
7	BENT2035	-0.9 51%	0 70%	+11 69%	+20 70%	+33 59%	+2 51%	+1.2 71%	+13 58%	+1.7 43%	-0.2 50%	-0.3 50%	+0.7 40%	-0.6 35%	+20
8	BENT2072	-0.6 51%	+3 70%	+10 69%	+17 71%	+34 62%	+3 47%	+0.7 47%	+12 59%	+1.0 44%	-0.5 51%	-0.7 51%	+0.5 40%	-0.5 37%	+19
9	BENT2108	+0.2 51%	+7.0 70%	+16 69%	+26 71%	+52 62%	+5 46%	+1.0 70%	+18 59%	+2.2 42%	-0.8 49%	-1.1 49%	+1.1 39%	-0.6 35%	+25
10	BENT2024	0 46%	+7 65%	+13 65%	+17 66%	+21 53%	+2 32%	+0.4 67%	+12 54%	+1.3 39%	+0.3 46%	+0.3 46%	+0.3 36%	0.0 32%	+18
11	BENT2083	+0.3 46%	+7 63%	+17 62%	+29 63%	+38 47%	-	+1.3 66%	+15 50%	-0.1 35%	-0.1 43%	-0.2 43%	-0.2 32%	+0.1 28%	+13
12	BENT2102	+1.7 48%	+15 65%	+31 64%	+40 66%	+38 53%	+4 31%	-0.6 66%	+25 53%	+1.2 36%	+0.3 44%	+0.3 44%	+0.2 33%	+0.2 28%	+23
13	BENT2203	-1.0 44%	0 65%	+4 65%	+8 66%	+11 50%	-	-0.5 66%	+3 53%	-1.6 38%	+0.8 45%	+1.0 45%	-1.0 35%	+0.1 30%	+3
14	BENT2214	+1.3 39%	+14.0 60%	+13 60%	+18 61%	+21 44%	-	-0.1 65%	+9 48%	-1.1 34%	+0.6 41%	+0.7 41%	-0.7 31%	+0.3 27%	+8
15	BENT2230	+0.4 46%	+6 67%	+12 66%	+20 67%	+30 55%	-	-0.9 66%	+9 55%	-2.3 39%	-1.2 47%	-1.6 47%	-0.4 36%	-0.1 32%	+7
16	BENT2233	+0.7 46%	+8 67%	+12 66%	+22 67%	+31 55%	-	-0.5 66%	+12 55%	-0.6 39%	+0.5 47%	+0.6 47%	-0.4 36%	+0.1 32%	+12
17	BENT2077	-1.0 44%	+2 65%	+7 64%	+9 66%	+8 53%	+5 30%	+0.2 66%	+6 53%	-0.7 37%	+1.1 44%	+1.3 44%	-0.8 34%	+0.1 29%	+2
18	BENT2051	+2.6 39%	+19 60%	+29 60%	+44 62%	+45 46%	+3 31%	-1.6 66%	+28 48%	+3.5 34%	-0.7 42%	-0.9 42%	+1.6 32%	-0.3 27%	+30
19	BENT2030	+2.8 42%	+19.0 61%	+31 61%	+45 64%	+42 52%	+2 34%	+1.0 67%	+24 51%	+1.2 36%	-1.3 44%	-1.7 44%	+1.0 34%	-0.2 29%	+27
20	BENT2042	+1.5 41%	+12 61%	+29 60%	+39 63%	+56 51%	-1 32%	+2.1 66%	+24 50%	+1.4 35%	-1.1 43%	-1.5 43%	+0.8 33%	-0.2 28%	+32
21	BENT2046	+3.4 42%	+24 62%	+36 61%	+46 63%	+50 51%	+4 32%	-0.1 66%	+27 49%	-	-0.1 42%	-0.1 42%	+0.4 26%	0.0 26%	+26
30	BENT2264	+2.9 39%	+20 60%	+28 60%	+41 61%	+47 44%	-	+0.4 62%	+23 48%	+1.5 34%	+1.4 41%	+1.7 41%	-0.1 31%	+0.1 26%	+21
33	BENT2250	+2.4 39%	+19 60%	+23 60%	+37 61%	+36 44%	-	-0.2 65%	+23 48%	+2.9 34%	-0.6 41%	-0.8 41%	+1.4 31%	-0.4 27%	+26
34	BENT2245	+3.6 34%	+27 57%	+31 45%	+41 41%	-	-	-	+22 31%	-	+0.6 32%	+0.7 32%	-	-	-
37	BENT2022	+3.4 39%	+23 60%	+26 60%	+41 62%	+40 46%	-	-0.1 65%	+23 49%	+1.5 35%	-1.3 42%	-1.7 42%	+1.2 32%	-0.3 27%	+23
43	WINS035	+1.7 71%	+11 59%	+16 56%	+25 50%	+26 31%	-	-0.9 63%	+16 39%	+2.7 33%	+1.4 38%	+1.7 38%	+0.2 29%	+0.2 25%	+14
45	WINS015	-1.5 71%	+8 60%	+11 57%	+16 53%	+17 41%	-	+0.9 63%	+13 41%	+1.1 33%	+1.3 39%	+1.6 39%	-0.2 29%	-0.2 26%	+13
46	WIN20Q3579	+0.3 49%	+10 68%	+13 65%	+22 60%	+21 47%	-	-	+16 51%	+2.8 35%	+0.3 41%	+0.3 41%	+1.0 32%	-0.3 28%	+22
Trop. Comp. BreedPlan Breed Average for ALL 2021 Born Calves		+0.8	+10	+13	+19	+14	+4	-0.3	+12	+1.3	+0.6	+0.7	+0.3	-0.1	+13
BreedPlan Average for All Lots in 2023 Bendemeer Sale		+0.92	+11	+17	+26	+30	+3.2	+0.1	+15.8	+1.2	+0.2	+0.2	+0.3	-0.12	+17

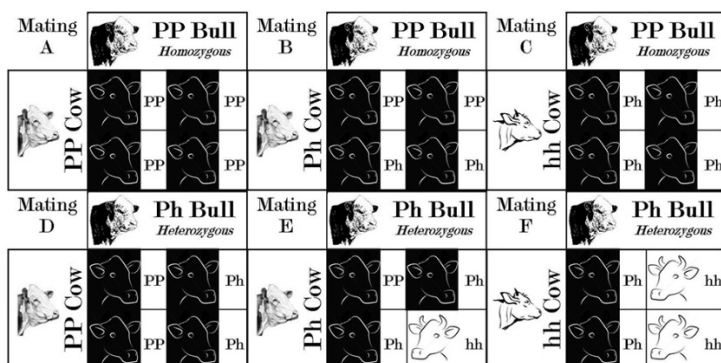
# SALE BULLS EBV DATA

EBVs

Tropical Composite Percentile Bands for 2021 Born Calves

Percentile Band	Birth Wt (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat. Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Carcase Wt (kg)	Eye Muscle Area (sq.cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)	Domestic Index (\$)
Top Value	-6.0	+35	+47	+65	+84	+12	+3.0	+32	+4.1	+3.7	+4.6	+2.1	+1.0	+39
Top 1%	-3.6	+26	+35	+49	+57	+9	+2.0	+27	+2.9	+2.0	+2.5	+1.2	+0.5	+31
Top 5%	-1.9	+21	+28	+38	+41	+7	+1.3	+22	+2.4	+1.5	+1.9	+0.9	+0.3	+25
Top 10%	-1.2	+19	+25	+34	+35	+6	+0.9	+20	+2.1	+1.3	+1.5	+0.7	+0.2	+22
Top 15%	-0.8	+17	+23	+30	+30	+6	+0.6	+18	+2.0	+1.1	+1.3	+0.6	+0.1	+20
Top 20%	-0.5	+16	+20	+28	+27	+5	+0.4	+17	+1.9	+1.0	+1.1	+0.5	+0.1	+19
Top 25%	-0.3	+15	+19	+26	+24	+5	+0.3	+16	+1.8	+0.9	+1.0	+0.5	+0.1	+17
Top 30%	+0.0	+14	+17	+24	+22	+5	+0.1	+15	+1.7	+0.8	+1.0	+0.4	+0.0	+16
Top 35%	+0.2	+13	+16	+23	+20	+4	+0.0	+14	+1.7	+0.8	+0.9	+0.4	+0.0	+15
Top 40%	+0.3	+12	+15	+21	+17	+4	-0.2	+13	+1.6	+0.7	+0.8	+0.3	+0.0	+14
Top 45%	+0.5	+11	+14	+20	+15	+4	-0.3	+13	+1.5	+0.7	+0.8	+0.3	+0.0	+13
Top 50%	+0.7	+10	+12	+18	+13	+4	-0.4	+12	+1.5	+0.6	+0.7	+0.3	-0.1	+12
Top 55%	+0.9	+9	+11	+17	+11	+3	-0.5	+11	+1.4	+0.6	+0.6	+0.2	-0.1	+11
Top 60%	+1.1	+9	+10	+16	+9	+3	-0.6	+11	+1.3	+0.5	+0.6	+0.2	-0.1	+10
Top 65%	+1.3	+8	+9	+14	+7	+3	-0.7	+10	+1.1	+0.4	+0.5	+0.1	-0.1	+9
Top 70%	+1.6	+7	+7	+12	+5	+2	-0.7	+9	+1.0	+0.3	+0.4	+0.1	-0.2	+9
Top 75%	+1.9	+6	+6	+11	+2	+2	-0.8	+8	+0.9	+0.2	+0.3	+0.1	-0.2	+8
Top 80%	+2.2	+5	+5	+9	+0	+2	-0.9	+7	+0.8	+0.1	+0.1	+0.0	-0.2	+7
Top 85%	+2.6	+3	+3	+7	-3	+1	-1.0	+6	+0.6	+0.0	+0.0	-0.1	-0.3	+6
Top 90%	+3.1	+2	+0	+4	-6	+1	-1.2	+4	+0.4	-0.1	-0.2	-0.2	-0.3	+4
Top 95%	+3.9	-1	-3	+0	-11	+0	-1.5	+2	+0.1	-0.4	-0.5	-0.3	-0.4	+2
Top 99%	+5.5	-5	-10	-9	-22	-2	-2.2	-2	-0.4	-0.8	-1.1	-0.6	-0.7	-2
Low Value	+9.5	-15	-17	-20	-36	-6	-3.7	-9	-1.5	-1.9	-2.5	-1.6	-1.1	-11

## INHERITANCE OF HORN / POLL GENOTYPE



# Understanding the EBVs & Accuracy

## EBVs

An Estimated Breeding Value (EBV) is an estimate of an animal's true breeding value, or genetic merit. EBVs do not necessarily reflect the animal's observed performance, which is a combination of both genetic and environmental (non-genetic) influences. EBVs are an estimate of the genetic component of the animal's performance.

EBVs allow for comparison of animals born in different years and seasons because they adjust for known environmental differences, such as age of animal, age of dam, birth type, rearing type and nutrition, and adjust for known genetic differences, such as preferential joining and unequal representation between contemporary groups. Whilst EBVs provide the best basis for comparison of the relative genetic merit of animals reared under different environments and management conditions, they can only be used to compare animals analysed within the same evaluation.

EBVs consider all available information including:

- an animal's own performance,
- the relationship between different traits,
- the relationship between animals, and
- the performance of **all animals** in the database across all years of recording.

**For across herd comparisons, a full data set is needed.** The more information that is available, the more accurate will be the EBVs. BREEDPLAN requires the whole progeny drop and full pedigree information to provide the best and most valid comparisons.

BREEDPLAN EBVs can be provided for a number of economically important traits. The number of traits analysed and reported will be dependent upon the quantity and quality of data recorded for each trait.

EBVs are expressed as the differences between an animal's genetics and the genetic base to which the animal is compared. The absolute value of any EBV is not critical; of interest is the difference in EBVs between animals. EBVs are usually reported in the units in which the measurements are taken (e.g. kilograms for the weight EBVs).

### Birth Weight EBV

Birth Weight EBVs are estimates of genetic differences between animals in calf birth weight. Birth Weight EBVs are expressed in kilograms (kg). Small or moderate Birth Weight EBVs are more favourable.

### 200-Day Growth EBV

200 Day Growth EBVs are estimates of the genetic differences between animals in live weight at 200 days of age due to their genetics for growth. EBVs are expressed in kilograms (kg). This EBV is a measure of an animal's early growth to weaning. It is an important trait for breeders turning off animals as vealers or weaners. Larger, more positive 200 Day Growth EBVs are generally more favourable.

### 400-Day Weight EBV

400 Day Weight EBVs are estimates of the genetic differences between animals in live weight at 400 days of age. EBVs are expressed in kilograms (kg). This EBV is important for breeders turning off animals as yearlings. Larger, more positive 400 Day Weight EBVs are generally more favourable.

### 600-Day Weight EBV

600 Day Weight EBVs are estimates of the genetic differences between animals in live weight at 600 days of age. EBVs are expressed in kilograms (kg). This EBV is important for breeders targeting the production of animals suited for heavy weight grass or grain fed markets. Larger, more positive 600 Day Weight EBVs are generally more favourable.

### Mature Cow Weight EBV

Mature Cow Weight EBVs are estimates of the genetic differences between cows in live weight at 5 years of age. Mature Cow Weight EBVs are expressed in kilograms (kg). Animals with higher, more positive Mature Cow Weight EBVs would be expected to produce progeny with a higher mature weight than animals with lower Mature Cow Weight EBVs. What level of Mature Cow Weight EBV is optimal will depend on the individual herd and its breeding objective(s).

### Milk EBV

Milk EBVs provide an estimate of the maternal genetic contribution of a dam to the 200 day weight of her calf. In the case of sires, this estimates the maternal genetic effect that his daughters will contribute to the 200 day weight of their progeny. The Milk EBV is expressed in kilograms (kg). Larger, more positive, Milk EBVs indicate a greater maternal genetic contribution to 200 day weight.

### Scrotal Size EBV

Scrotal Size EBVs provide an estimate of the genetic differences between animals in scrotal circumference at 400 days of age. Scrotal Size EBVs are expressed in centimetres (cm). Larger, more positive, Scrotal Size EBVs are generally more favourable.

### Carcase Weight EBV

Carcase Weight EBVs are estimates of the genetic differences between animals in hot standard carcass weight at 650 days of age. Carcass Weight EBVs are expressed in kilograms (kg). Larger, more positive, Carcass Weight EBVs are generally more favourable.

### Eye Muscle Area EBV

Eye Muscle Area (EMA) EBVs are estimates of the genetic differences between animals in eye muscle area at 12/13th rib site in a standard weight steer carcass. EMA EBVs are expressed in square centimetres (cm<sup>2</sup>). Larger, more positive, EMA EBVs are generally more favourable.

### Rib Fat EBV

Rib Fat EBVs are estimates of the genetic differences between animals in fat depth at the 12/13th rib site in a standard weight steer carcass. Rib Fat EBVs are expressed in millimetres (mm). More positive or more negative Rib Fat EBVs may be more favourable, depending on your breeding goals relating to the finishing ability of your animals.

### Rump Fat EBV

Rump Fat EBVs are estimates of the genetic differences between animals in fat depth at the P8 rump site in a standard weight steer carcass. Rump Fat EBVs are expressed in millimetres (mm). More positive or more negative Rump Fat EBVs may be more favourable, depending on your breeding goals relating to the finishing ability of your animals. Stock with positive Fat EBVs are likely to produce progeny that are fatter, or earlier maturing, on average than stock with lower or negative Fat EBVs.

### Retail Beef Yield EBV

Retail Beef Yield (RBY) EBVs are estimates of genetic differences between animals in boned out retail beef yield in a standard weight steer carcass. RBY EBVs are reported as differences in percentage (%) yield. Larger, more positive, RBY EBVs are generally more favourable.

### Intramuscular Fat EBV

Intramuscular Fat (IMF) EBVs are estimates of genetic differences between animals in intramuscular fat (marbling) at the 12/13 rib site in a standard weight steer carcass. IMF EBVs are reported as differences in percentage (%) IMF. Larger, more positive, IMF EBVs are generally more favourable. For markets where marbling is important (e.g. Meat Standards Australia (MSA), Japanese B2/B3 market, restaurant trade), higher IMF EBVs can increase carcass value.

## Accuracy

By definition, an EBV is an estimate of an animal's true breeding value and therefore it may change with the addition of more pedigree and performance information. An accuracy value is presented with every EBV.

The [accuracy](#) provides a measure of the stability of the EBV and gives an indication of the amount of information that has been used in the calculation of that EBV. The higher the accuracy the lower the likelihood of changes in the animal's EBV as more information is analysed for that animal, its progeny or its relatives.

BREEDPLAN uses all available information to calculate EBVs and calculates EBVs of related (correlated) traits via indirect observations e.g. the EBVs for carcass traits are usually estimated from live animal scanning measurements. These correlated estimates will have lower accuracy than when estimates come from direct observations.

Accuracy cannot account for breeder-influenced data quality issues, such as how well management groups are defined.

The following guide may be useful for interpreting accuracy:

Accuracy Range	Interpretation
Less than 50%	EBVs are preliminary and could change substantially as more performance information becomes available.
50-74%	Medium accuracy, usually based on the animal's own records and pedigree.
75-90%	Medium-high accuracy. Some progeny information included.
More than 90%	High accuracy estimate of the animal's true breeding value. It is unlikely that EBVs will change much with addition of more progeny data.

It is important to keep accuracy in perspective. Accuracy and genetic merit are not the same things. It is possible for animals to have very low EBVs, but for these EBVs to be highly accurate. Conversely, animals may have high EBVs with low accuracy.

Animals should be compared on EBVs regardless of accuracy. However, where two animals have the same EBV, assuming all other factors are equal, the animal with the higher accuracy would be the safer choice. This is because it would have greater reliability of progeny outcomes than the animal with the lower accuracy.

More information on [accuracy](#) is available from the BREEDPLAN website.



# GENOMIC BREEDING VALUES

## What is genomics?

Analysing the genetic code for a particular trait to produce meaningful & useful information aka GBVs which indicate the genetic value of an animal, that will be passed onto progeny.

Over the past 6 years, the Northern Beef Genomics Project has read the DNA and trait described, including fertility, over 30,000 heifers in Northern Australia. The work of this project is now available as GBVs which are to be used as a breeding decision tool along with BBSE and Breedplan EBVs.

## How do I use the GBV data?

1. To benchmark your herds genetics
2. To select females from which to breed bulls
3. For recruiting a team of bulls to improve your herds genetics.
4. To identify genetic duds particularly within your bull team.

## What does each individual GBV tell me?

Individual GBV traits indicate the likely performance of an animal. For example, how likely a heifer is to reach early puberty, or how likely a cow will be to become pregnant 4 months after calving. Performance is also affected by management and nutrition factors along with genetics.

*GBVs are usually presented as percentiles where a ranking of 86 indicates that the animal is within the top 15% of all animals in northern Australia for that trait.*

## What is the accuracy of GBVs?

GBVs are 45% accurate, now. This is not high enough to be selecting individual super sires, however it is accurate as a tool to build a team of bulls to improve your herds' genetics.

At this stage, **GBVs are available for:**

Female fertility	Heifer puberty	Affects maiden pregnancy rate
	Pregnant within 4 months of calving (P4M)	Pregnant wet cows produce more weight
Growth	Weight at ~18 months	Similar to 600-day weight EBV
	Height at ~18 months	Tall cattle may have lower production
Adaptation	Body condition at ~18 months	Adapted cattle have better condition
	Docility	Measured after weaner training
	Fly lesions	Affects market value
	Tick score	Indicates tick resistance

If you have any questions, please get in contact with us.

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The Northern Beef Genomics Project is an initiative by QAAFI (The University of Qld), the QLD Government, and MLA

# GENOMIC BREEDING VALUES

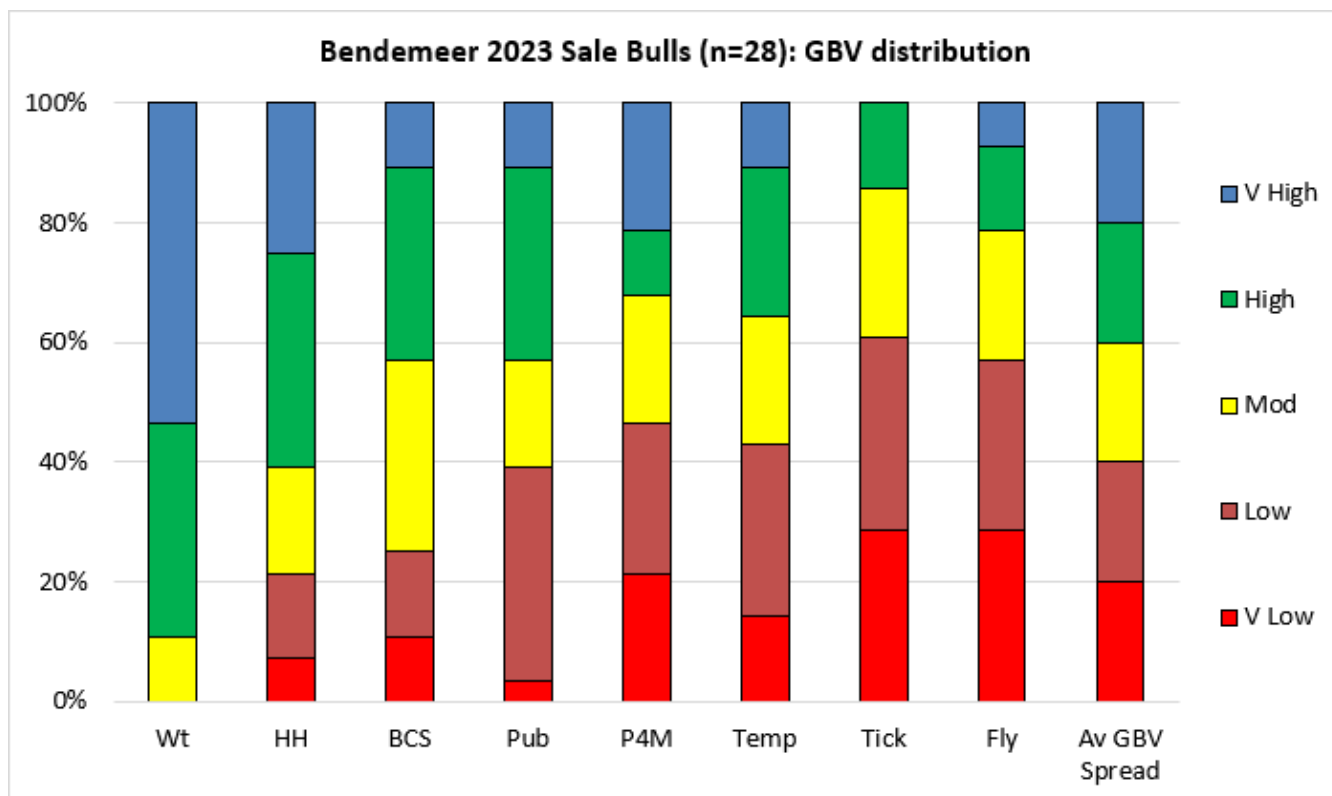
GBVs

## 2023 Sale Lots with GBVs - Quintile Rankings

	LOT	ID	Birth Date	Weight (at 18 mths)	Hip Height (at 18 mths)	Body Condition (at 18 mths)	Heifer Puberty	P4M (Pregnant ≤ 4 mths)	Temperament (Docility)	Tick Score	Fly Lesions
<b>Bendemeer</b>	1	BENT2260	31/10/2021	4	4	2	2	4	4	3	3
	2	BENT2206	14/11/2021	3	4	2	1	2	4	1	2
	3	BENT2222	10/10/2021	4	5	1	3	1	5	3	4
	4	BENT2004	31/10/2021	4	5	2	2	2	5	2	4
	5	BENT2045	10/10/2021	5	4	4	4	3	2	3	1
	6	BENT2027	03/10/2021	4	1	5	2	5	2	1	4
	7	BENT2035	10/10/2021	5	3	3	3	4	1	2	3
	8	BENT2072	14/11/2021	5	4	4	2	2	3	2	2
	9	BENT2108	21/11/2021	4	5	1	3	2	4	2	5
	10	BENT2024	21/11/2021	5	5	4	2	3	2	1	3
	11	BENT2083	31/10/2021	4	5	1	2	3	5	2	2
	12	BENT2102	28/11/2021	5	3	3	3	1	2	4	4
	13	BENT2203	14/11/2021	5	4	5	4	5	3	2	2
	14	BENT2214	14/11/2021	5	3	4	4	1	4	4	1
	15	BENT2230	14/11/2021	5	4	3	3	3	4	2	1
	16	BENT2233	07/11/2021	5	3	4	4	5	4	1	2
	17	BENT2077	31/10/2021	5	4	5	4	2	2	1	1
	18	BENT2051	03/10/2021	3	1	4	5	5	1	2	3
	19	BENT2030	03/10/2021	5	4	2	4	5	1	3	2
	20	BENT2042	10/10/2021	4	4	3	4	3	3	3	1
21	BENT2046	03/10/2021	4	2	3	2	4	2	2	1	
30	BENT2264	26/12/2021	4	2	3	4	2	1	1	3	
33	BENT2250	21/11/2021	4	5	4	2	1	4	1	2	
34	BENT2245	05/12/2021	5	5	4	2	1	3	4	1	
37	BENT2022	28/11/2021	3	4	3	2	1	3	1	5	
<b>Winvic</b>	43	WINS035	05/11/2021	5	3	3	5	2	2	3	2
	44	WINS118	11/12/2021	5	2	4	5	3	2	3	1
	45	WINS015	08/10/2021	5	2	3	4	5	3	4	3

5 = best performing 20% and 1 = worst performing 20% of Northern Genomics Project Cattle

COMBINED DATA OF ALL 2023 SALE BULLS WITH GBVs



**GBVs within quintiles for each trait**

Trait	Very Low	Moderate	Very High
<i>Puberty (Pub)</i>	Lowest probability	Moderate probability	Highest probability
<i>P4M (pregnant within 4 months of calving)</i>	Lowest probability	Moderate probability	Highest probability
<i>Weight (Wt)</i>	Lowest growth	Moderate growth	Highest growth
<i>Height (HH)</i>	Shortest cattle	Moderate height	Tallest cattle
<i>Condition (BCS)</i>	Poorest adaptation	Moderately adapted	Well adapted to tropics
<i>Fly lesions (Fly)</i>	Severe	Minor	Nil
<i>Tick score (Tick)</i>	Highly susceptible	Moderate resistance	Highly resistant

# ARCUO

👉 [bendemeerbullsale.au](http://bendemeerbullsale.au)



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