

# LIBERTY

CHAROLAIS & SHORTHORNS

*Celebrating 30 Years of Breeding!*

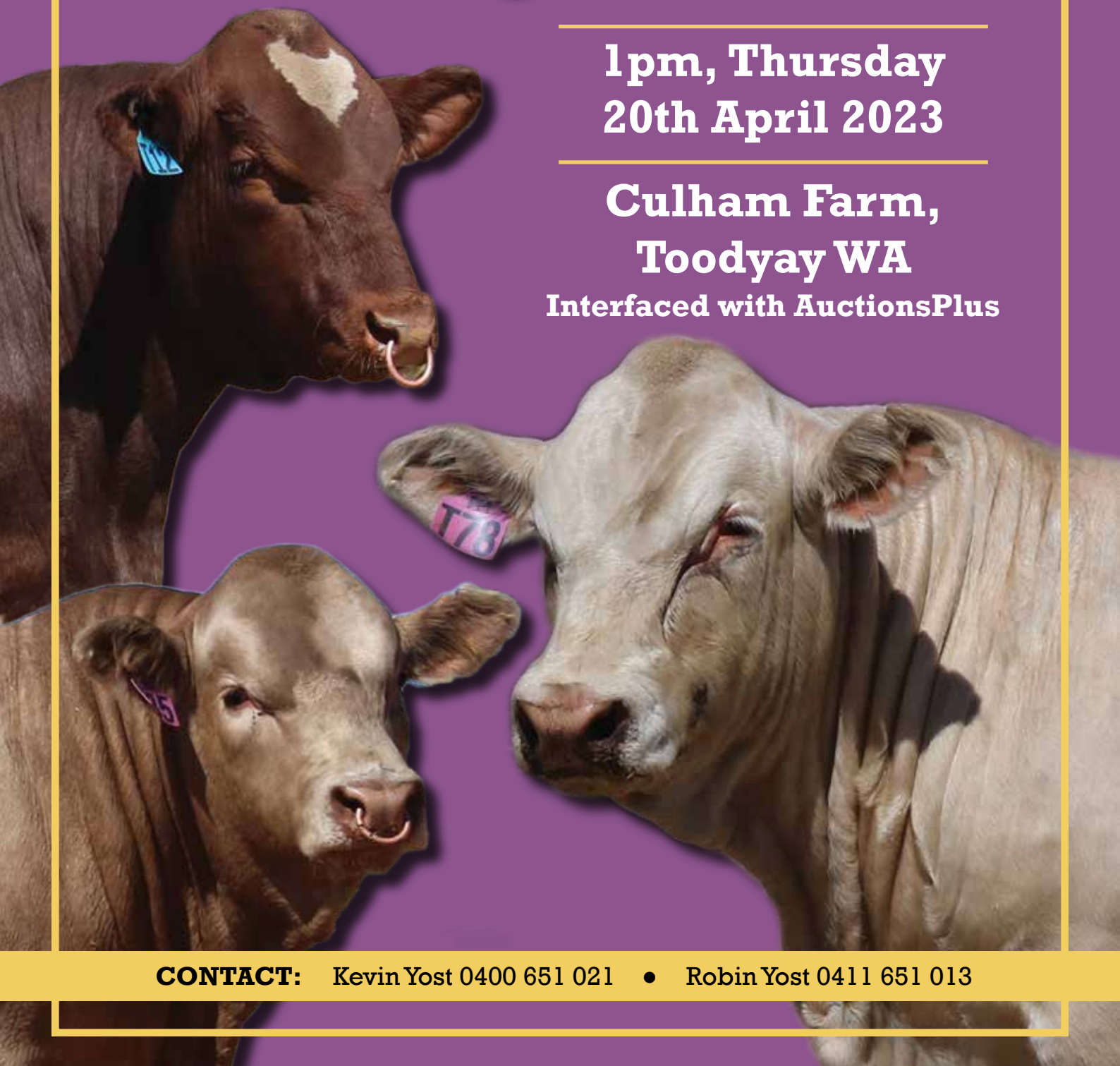
## Yearling Bull Sale

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1pm, Thursday  
20th April 2023

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Culham Farm,  
Toodyay WA  
Interfaced with AuctionsPlus



**CONTACT:** Kevin Yost 0400 651 021 • Robin Yost 0411 651 013

# Welcome to our 8th Annual Yearling Bull Sale

## CELEBRATING 30 YEARS OF BREEDING CHAROLAIS

2023 will see us at Liberty Celebrate our 30th year of breeding Charolais. We are pretty excited of how far we have come in 30 years with a start-up of 5 cows from the well-respected Culham Charolais herd. Culham was founded by Robin's Mother and Father in the mid 70's from an upgrading program from a predominately Shorthorn cow base. Robin eventually managed Culham Charolais from the early eighties until the major reduction sale in 1994, which saw cattle sell to all corners of Australia.

When we first started our stud operation, it was our endeavour to breed a highly desirable and marketable product, through breeding a soft, moderate framed, highly fertile, functional and structurally correct Charolais which has the ability to finish easily to suit the demanding Australian climate. With around 50 years of proven heritable and predictable pedigrees in our cattle along with the strong performance genetics derived from both the early Culham and current Liberty Charolais we are well placed and continue to strive towards our vision.

We believe we have been solid and unwavering in our commitment at Liberty to develop a Charolais that is beneficial to the breed and the beef industry. We have been extremely fortunate and grateful our daughters Morgan and Jess share the same passion for our Charolais and now Shorthorn cattle along with our farm life, to the point they took over the ownership and operation of Culham Charolais Stud.

Liberty is a family run operation with just the four of us involved and our cattle are our family's passion. We are extremely humbled and appreciative of the support we have received from all our clients past and present, our friends new and old, the livestock Agents, industry representatives and businesses who have supported our vision and our program over the years. We wouldn't be where we are today in our 30th year without your support and belief in our product.

On that note, we warmly welcome all interested purchasers to come and inspect our Charolais and Shorthorn yearling bulls on farm prior to the sale. Arrangements can be made for bull inspections anytime either by contacting us directly or through your Agent.

It is with great pleasure we offer you a very solid and even line up of yearling Charolais and Shorthorn bulls. We believe you will find their consistency in phenotype a standout feature and this combined with their genetic

predictability backed by over 30 years of selective breeding, data collection and performance recording can only but assist, you the buyer, with the confidence to purchase a new Liberty sire.

Liberty have been very successful in selling yearling bulls for a number of years now and it is clear these quality young sires are performing well throughout the industry. The ongoing support and recognitions we are receiving from our clients and cattle breeders alike helps cement our resolve to seek out new genetics that meet our criteria which will hopefully benefit Liberty's program and therefore our clients.

One of the most important objectives in our breeding program is to produce bulls that could assist ourselves and thus our clients achieve higher growth through increased production, performance and profitability. This year's draft of bulls are extremely sound in their make, they are of medium frame with outstanding carcass qualities combining thickness and length of body. They ooze that softness our Charolais in particular are renowned for, therefore giving them diversity in joining options and the flexibility to suit a wide range of breeds, markets and environments.

We consider in our sale offering there are bulls both suited for stud and commercial duties. We are again pleased to present cattle enthusiasts the opportunity to secure our exclusive genetics from the very top of our breeding herd.

We thank you for your interest in our bulls and please don't hesitate to call if you have any enquiries, we are only too happy to help. Looking forward to seeing you all on **Thursday 20th April 2023 for a 1pm sale start, and inspections from 10am onwards @ "CULHAM", 1469 Bindi Bindi – Toodyay Road, Culham, Toodyay.** For those unable to attend on sale day, our sale will also be interfaced with AuctionsPlus.

**Best wishes for an extremely healthy and successful 2023.**

***Kevin, Robin, Morgan & Jess Yost***



# LIBERTY

## CHAROLAIS & SHORTHORNS

### Yearling Bull Sale

Video Auction

**1PM, THURSDAY 20TH OF APRIL 2023**

**VENUE: Culham Farm**

1469 Bindi Bindi-Toodyay Road, TOODYAY WA

**Interfaced with**



*Buy and Sell stock nationally*

**42 Charolais Bulls**

19 Homozygous Poll / 20 Red Factor

**11 Shorthorn Bulls**

9 Homozygous Poll



**INSPECTIONS  
WELCOME  
and encouraged  
prior to sale day.**

**CONTACT :**

Kevin & Robin Yost, Liberty Charolais  
Kevin - 0400 651 021 Robin - 0411 651 013  
E: libertycharolais@gmail.com

***Or contact  
your local  
Elders Agent***



@LibertyCharolais&Shorthorn



## SALE INFORMATION

### Inspection

We welcome inspections any time prior to sale day by arrangement. If you are unable to attend on sale day, we encourage your inspection of our bulls as you can bid by phone, Auctionsplus or through your Agent.

### Health Note

- Vaccinations: Ultravac 7:1, Vibrovax and Pestigard
- Semen tested
- Performance recorded
- JBAS 8 accredited
- BVDV tested negative

### Sire Verification & Poll Status Testing

Bulls have been sire verified and horn / poll tested by DNA.

### Insurance Disclaimer

Insurance risk of animals sold at auctions transfers to the purchaser at the fall of the hammer including animals remaining on the property. Purchasers therefore are advised to insure their animals at the completions of the sale. Stud animals are not covered by commercial livestock insurance.

### Bulls Remaining on Property

We recommend that all bulls be insured that are remaining on property at Culham after the sale. Bulls that remain at Culham do so at the purchaser's risk.

### COVID

All relevant COVID regulations will be adhered to.

### TOTAL SOLAR ECLIPSE

Date: 20th April 2023 Time: 10:00am Perth time  
There will be a Total Solar Eclipse on our sale day and protective eyewear is needed and suggested.

### AuctionsPlus

This sale is interfaced with AuctionsPlus. Bidding will only be available to registered AuctionsPlus users. Prospective bidders must register at least 24hrs prior to sale with Auctionsplus. Any enquiries contact [www.auctionsplus.com.au](http://www.auctionsplus.com.au) or your local agent.

### Catering

Complimentary morning / afternoon tea and also a light lunch and refreshments will be provided on the day.

### Disclaimer

Any persons entering this property for any purpose what so ever including the attendance at the cattle auction do so at their own risk. We are not liable to you for any personal injury or death suffered by you and for theft, loss or damage to any property caused or contributed to, by us or by negligence deliberate act or unlawful conduct. "We" or "us" or "our" refer to the owners, their employees, contractors or agents and each of them.

### Outside Agent's Rebate

A 3% rebate is offered to outside agents who meet the following conditions: 1) Introduce their New clients in writing to the Vendor or the Agent by 5pm prior to the sale day. 2) Accompany and assist their client on sale day. Agents not meeting the above terms will receive 1% if settling for the client within 7 days.

### Sale Catalogue Disclaimer

Animal details included in this catalogue, including but not limited to pedigree, DNA information, Estimated Breeding Values (EBVs, Index values and/or Estimated Progeny Differences (EPDs), are based on information provided by the breeder or owner of the animal. Data submitted to the Breed Societies may have errors in it which cannot be detected without further DNA testing. For this reason, users ought to consider if they need to obtain independent testing of the relevant animal (if possible) to ensure the data is accurate. Whilst all reasonable care has been taken to ensure that the information provided in this catalogue was correct at the time of publication, neither the vendor, Shorthorn Beef, Charolais Society of Australia, or the selling agents assume any responsibility for the accuracy or completeness of the information, nor for the outcome (including consequential loss) of any action taken based on this information.

## Crossbreeding with Liberty Charolais

Crossbreeding has become standard practice in the cattle industry. When the right breeds are crossed, the results produce a superior animal which inherits the best traits from each breed. There are a couple of clear advantages of cross breeding, one is the introduction of hybrid vigour (heterosis) which refers to the superior performance of a cross bred animal over a straight bred animal. The other significant advantage is that crossbred animals combine the genetic strength of both breeds. From a commercial standpoint there's real opportunity in the introduction of hybrid vigour into a well-bred maternal cow herd. By using a terminal sire in these cow herds increased weaning weights are gained and therefore higher dollar returns are seen per animal. We are firm believers in the implementation of hybrid vigour and see these benefits first hand. I think it helps us better understand what the commercial cattle producers' needs are, as our commercial cattle are run the same way and are sent through the same markets. Growth and carcass traits are clearly a priority for producing quality marketable calves but overall soundness, fertility, libido and docility are selected for as well. This is truly where we believe our Liberty Charolais yearling bulls shine. Research on progeny sire by a Charolais bull over Angus cows proves the advantage of using superior genetic for crossbreeding. It's suggested that with this joining a producer can expect up to \$100 more per head, through faster weight gain, better feed efficiency and higher carcass yields. The same is said for crossbreeding Charolais over Brahmans, up to \$180 more per head than straight bred Brahmans. By introducing a Charolais bull you see faster growth rates, increased muscle development and improved eating quality. Studies suggest that Charolais Brahman cross progeny can be sold off younger as target weights are reached earlier therefore lower ossification which improves meat eating quality. Charolais cross progeny are highly sought after and are well suited for the domestic retail and supermarket trade. They are very well suited for the European and Asian markets. The Charolais cross calf often tops saleyard markets on a \$ per head basis. We are confident that there is a yearling Charolais or Shorthorn bull that will suit your crossbreeding operation in this year's draft of yearling bulls.

## Advantages for Buyers of Yearling Bulls

We have used yearling bulls both in our commercial and stud operation for many years and the benefits can be enormous. By selecting our best yearling bulls on their genetic makeup, which includes parentage, EBV's and phenotype, we feel our genetic turn over has increased tenfold. Calves are hitting the ground as the sire is turning 2 years of age. Other advantages of yearling bulls include the potential to extend his working life by a year or more. As a result, this can reduce the bulls purchase cost because he has sired more calves and this will increase profits. We also find by running two or even three yearling bulls in mating groups (one bull per 25 cows) our calving spread has tightened and conception rates are at their highest. Multiple sire joining as yearling also decreases the likelihood of injuries to bulls as they tend to socialize better and it can also be seen as an insurance policy against breakdowns. We never use yearling bulls with older bulls as the risk of injury is too high. Yearling bulls have the potential to offer so much genetically and financially and this is only limited to their health and fitness. As they are still growing and developing, they have to be looked after, during and especially post mating. Putting them in paddocks with their peers and keeping them on a higher plane of nutrition will ensure their full potential. Yearling bulls can be ruined if they are pushed too hard under conditions that are challenging during and post mating.

## Yearling Bull Management

### On Arrival:

Ensure your new bull socialises with a group of animals (except other bulls) in your yards. New bulls have the highest risk of breakdown in the herd, you can reduce this risk. Protect your yearling bull by not mating with senior bulls. Protect your yearling bull by not over joining. Yearling bull mating, not over 30 females per bull. The use of 2 to 3 yearling bulls in larger cow herds, multiple sire mate with yearling bulls.

### Post Joining:

Remove bulls from their cow herds at the same time to create their new (bull) mob, this can ease potential issues. Make sure the bull paddocks are large enough to reduce risk of fighting. It is imperative that young yearling bulls should have access to a higher level of nutrition as they continue their growth. This will enable your new yearling sire's continual development to better reach his full potential.

# Poll Genetics

## Poll Inheritance

Understanding the Horn/Poll status of a bull is important when determining whether a potential new bull meets your breeding objectives. A poll bull can be either 'true polled' (homozygous PP), or is a carrier of horned genetics (heterozygous Ph). The polled variant of the gene (P) is usually dominant to the horned variant of the gene (h), which means polled animals may be either PP or Ph. Homozygous PP animals will always pass a copy of the polled variant to their offspring, increasing the likelihood that the offspring will be polled. Identifying breeding animals that carry two copies of the polled variant will dramatically reduce the requirement for dehorning in subsequent generations. Liberty have tested via DNA poll animals in this sale to determine their poll status.

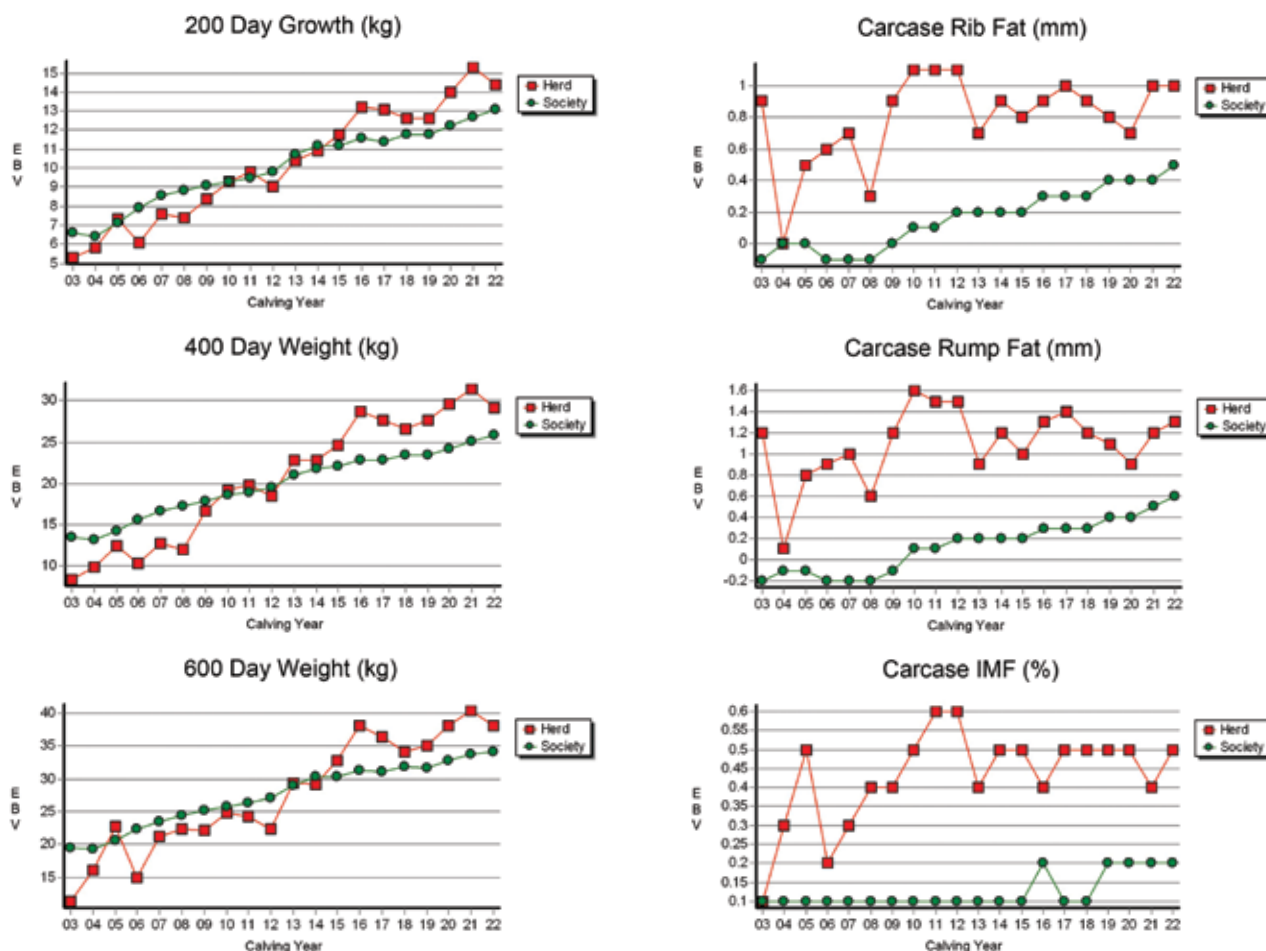
Genotype	Status	Explanation
PP Homozygous Polled	Polled	This animal possesses two copies of the polled variant of the gene. This animal is highly likely to be polled and will always pass a poll variant to its progeny.
Ph Heterozygous Polled	Carrier	This animal carries one copy of the polled variant and one copy of the horned variant of the gene. This animal is likely to be polled but in some instances may be scurred or horned. This animal will transmit either the horned or polled variant to its progeny.
hh Homozygous Horned	Horned	This animal carries two copies of the horned variant of the gene. This animal is highly likely to be horned and will always transmit the horned variant to its progeny.

## Is polled always dominant to horned?

In Bos taurus breeds, polled is almost always dominant to horned; -PP- animals are always polled and -Ph- animals are usually always polled (they are sometimes scurred). In Bos indicus influenced breeds, such as Brahman and Droughtmaster, this is not necessarily the case. Whilst -PP- animals are usually always polled, -Ph- animals can be polled, scurred and sometimes horned. For example, an Angus bull bred to horned Brahman cows will produce offspring that all have a genotype of -Ph- but can be a mixture of polled, scurred and horned. Whilst the vast majority will be polled and scurred, some horned animals are usually observed due to the influence of other genes interacting with the poll gene.

## February 2023 Australasian Charolais Breedplan Analysis

### Liberty Born Calves compared with Breed Genetic trends



# Understanding Charolais Estimated Breeding Values

## Estimated Breeding Values (EBVs)

**Calving Ease EBVs (%)** are based on calving difficulty scores, birth weights and gestation length information. More positive EBVs are favourable and indicate easier calving.

- **CE % Direct = Direct Calving Ease** - The EBV for direct calving ease indicates the influence of the sire on calving ease in purebred females calving at two years of age.

- **CE % Daughters = Daughters' Calving Ease** - The EBV for daughters' calving ease indicates how easily that sire's daughters will calve at two years of age.

**Gestation Length EBV (days)** is an estimate of the time from conception to the birth of the calf and is based on Artificial Insemination and hand mating records. Lower (negative) Gestation Length EBVs indicate shorter gestation length and therefore easier calving and increased growth after birth.

**Birth Weight EBV (kg)** is based on the measured birth weight of progeny, adjusted for dam age. The lower the value the lighter the calf at birth and the lower the likelihood of a difficult birth. This is particularly important when selecting sires for use over heifers.

**200-Day Growth EBV (kg)** is calculated from the weight of progeny taken between 80 and 300 days of age. Values are adjusted to 200 days and for age of dam. This EBV is the best single estimate of an animal's genetic merit for growth to early ages.

**400-Day Weight EBV (kg)** is calculated from the weight of progeny taken between 301 and 500 days of age, adjusted to 400 days and for age of dam. This EBV is the best single estimate of an animal's genetic merit for yearling weight.

**600-Day Weight EBV (kg)** is calculated from the weight of progeny taken between 501 and 900 days of age, adjusted to 600 days and for age of dam. This EBV is the best single estimate of an animal's genetic merit for growth beyond yearling age.

**Mature Cow Weight EBV (kg)** is based on the cow weight when the calf is weighed for weaning, adjusted to 5 years of age. This EBV is an estimate of the genetic difference in cow weight at 5 years of age and is an indicator of growth at later ages and potential feed maintenance requirements of the females in the breeding herd. Steer breeders wishing to grow animals out to a larger weight may also use the Mature Cow Weight EBV.

**Milk EBV (kg)** is an estimate of an animal's milking ability. For sires, this EBV indicates the effect of the daughter's milking ability, inherited from the sire, on the 200-day weights of her calves. For dams, it indicates her milking ability.

**Scrotal Size EBV (cm)** is calculated from the circumference of the scrotum taken between 300 and 700 days of age and adjusted to 400 days of age. This EBV is an estimate of an animal's genetic merit for scrotal size. There is also a small negative correlation with age of puberty in female progeny and therefore selection for increased scrotal size will result in reduced age at calving of female progeny.

**Carcass Weight EBV (kg)** is based on abattoir carcass records and is an indicator of the genetic differences in carcass weight at the standard age of 650 days.

**Eye Muscle Area EBV (sq cm)** is calculated from measurements from live animal ultrasound scans and from abattoir carcass data, adjusted to a standard 300 kg carcass. This EBV estimates genetic differences in eye muscle area at the 12/13th rib site of a 300 kg dressed carcass. More positive EBVs indicate better muscling on animals. Sires with relatively higher Eye Muscle Area EBVs are expected to produce better muscled and higher percentage yielding progeny at the same carcass weight than will sires with lower Eye Muscle Area EBVs.

**Rib Fat and Rump Fat EBVs (mm)** are calculated from measurements of subcutaneous fat depth at the 12/13 rib site and the P8 rump site (from live animal ultrasound scans and from abattoir carcasses) and are adjusted to a standard 300 kg carcass. These EBVs are indicators of the genetic differences in fat distribution on a standard 300 kg carcass. Sires with low, or negative, fat EBVs are expected to produce leaner progeny at any particular carcass weight than will sires with higher EBVs.

**Retail Beef Yield EBV (%)** indicates genetic differences between animals for retail yield percentage in a standard 300 kg carcass. Sires with larger EBVs are expected to produce progeny with higher yielding carcasses.

**Intramuscular Fat EBV (%)** is an estimate of the genetic difference in the percentage of intramuscular fat (marbling) at the 12/13th rib site in a 300 kg carcass. Depending on market targets, larger more positive values are generally more favourable.

## Selection Indices

**Northern Maternal Index [NMI]**- Estimates the genetic differences between animals in net profitability per cow joined for a typical commercial self-replacing herd where Charolais bulls are joined with Bos indicus cows in Northern Australia targeting the grass fed Jap Ox market. Selected heifers are retained for breeding and so maternal traits are of importance. Steers target 650 kg live weight (360 kg HSCW and 12 mm P8 fat depth) and heifers 630 kg (340 kg HSCW and 14 mm P8 fat depth), at 26 months of age. In response to industry feedback; positive emphasis has been placed on finishing ability.

**Domestic Terminal Index [DTI]**- Estimates the genetic differences between animals in net profitability per cow joined for a typical commercial herd where Charolais bulls are joined with a British breed cow base (e.g. Angus) targeting the domestic trade. This index assumes all progeny will be marketed with steers finished in the feedlot for 90 days, and weighing 450 kg (250 kg HSCW and 7 mm P8 fat depth) when marketed at 12 months. Heifers will be in the feedlot for 75 days, and weigh 430 kg (230 kg HSCW and 9 mm P8 fat depth) at 12 months. In response to industry feedback, positive emphasis has been placed on finishing ability.

## Accuracy

**Accuracy (%)** is based on the amount of performance information available on the animal and its close relatives - particularly the number of progeny analysed. Accuracy is also based on the heritability of the trait and the genetic correlations with other recorded traits. Hence accuracy indicates the "confidence level" of the EBV. The higher the accuracy value the lower the likelihood of change in the animal's EBV as more information is analysed for that animal or its relatives. Even though an EBV with a low accuracy may change in the future, it is still the best estimate of an animal's genetic merit for that trait. As more information becomes available, an EBV is just as likely to increase in value, as it is to decrease.

Accuracy values range from 0-99%. The following guide is given for interpreting accuracy:

- **less than 50%: Low accuracy.** 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. EBVs may change with addition of more progeny data.
- **more than 90%: High accuracy** estimate of the animal's true breeding value.

As a rule, animals should be compared on EBVs regardless of accuracy. However, where two animals have similar EBVs the one with higher accuracy could be the safer choice, assuming other factors are equal.

For further information please contact the Charolais Society or Charolais BREEDPLAN.

## Breed Average EBVs for 2021 Born Calves

	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+0.8	+0.7	-3.0	+0.2	+13	+25	+34	+35	+7	+1.2	+21	+1.6	+0.4	+0.5	+0.0	+0.2	\$DTI	\$NMI
																	+\$25	+\$39

# CHAROLAIS REFERENCE SIRE

## REFERENCE SIRE: PALGROVE POUNDMAKER (P) (RF)



**ID:** PK P2046E      **DOB:** 08/10/2018  
**SIRE:** PALGROVE LANDMARK (PK L169E) (P)  
**DAM:** PALGROVE PANACHE 318 (PK H986E)

**COMMENTS:** Poundmaker showed all the carcass attributes, softness and structural correctness we look for within our Charolais breeding program. His outstanding phenotype is matched perfectly with his really exciting genotype from calving ease- top 10%, growth, carcass, EMA- top 1%, milk and fat traits-top 15% which are all in the top rankings of the breed. His calves look sensational in our Liberty herd and we are excited to offer his first sons for sale.

### February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+10.6	+5.6	-4.3	-0.5	+16	+23	+31	+31	+14	+0.8	+21	+3.6	+1.3	+1.7	+0.3	+0.5	\$DTI	\$NMI
Acc	63%	49%	64%	88%	81%	77%	74%	71%	59%	76%	63%	52%	55%	54%	54%	51%	+\$34	+\$49

## REFERENCE SIRE: LIBERTY PITTSBURG (AI) (P) (R/F)



**ID:** Y1K P42E      **DOB:** 25/03/2018  
**SIRE:** LIBERTY MAJOR GENERAL (AI) (P) (R/F) (Y1K M38E)  
**DAM:** LIBERTY LEGALLY BLONDE (AI) (P) (Y1K L17E)

**COMMENTS:** An exceptional home bred individual sired by Major General. He is the complete package; long, deep bodied, with a strong top. He has a mass of carcass, whilst maintaining softness. Sitting in the top 15% for 400 day weight and the top 5% of breed for Rib, Rump and IMF allows plenty of diversity for breeding options. Pittsburg was our top selling bull at the 2020 Charolais sale and fortunately we retained a semen share.

### February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-3.7	+3.8	-5.9	0.0	+13	+35	+38	+32	+10	+1.0	+19	+0.3	+1.7	+2.2	-1.6	+0.9	\$DTI	\$NMI
Acc	53%	39%	80%	80%	66%	67%	67%	63%	51%	50%	55%	40%	49%	48%	46%	40%	+\$27	+\$48

## REFERENCE SIRE: PALGROVE NULLABOR (AI) (P) (R/F)



**ID:** PK N624E      **DOB:** 26/08/2017  
**SIRE:** PALGROVE KUDOS K735E (PK K735E) (P)  
**DAM:** PALGROVE RITA 26 (PK H483E)

**COMMENTS:** We were fortunate to secure semen in the outstanding individual Nullabor. He has exactly what we are looking for in our cattle and has complimented our herd beautifully. An extremely long bodied, well balanced bull showing softness, thickness and depth of flank. He has a unique set of EBV's to match his outstanding phenotype from calving ease right through to growth, carcass, EMA and fats he is in the top end of the breeds rankings.

### February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+5.2	-4.4	-5.3	+0.8	+22	+41	+48	+44	+2	+0.8	+30	+4.7	+1.7	+2.1	+0.7	0.0	\$DTI	\$NMI
Acc	65%	58%	89%	84%	84%	86%	83%	76%	66%	87%	74%	66%	75%	74%	70%	66%	+\$47	+\$62



# CHAROLAIS REFERENCE SIRE

## REFERENCE SIRE: PALGROVE PAYDAY P499E (AI) (P) *Homozygous Poll*



**ID:** PK P499E      **DOB:** 05/08/2018  
**SIRE:** LT VENTURE 3198 (P) (OAU J5612E)  
**DAM:** PALGROVE REFINE M53E (AI) (ET) (P) (PK M53E)

**COMMENTS:** We were super excited to be given an opportunity to secure Payday semen in 2021. What we loved about Payday is he has top of the breed EBV's and an exceptional blend of world's leading maternal and terminal parentage, some of the best Charolais genetics. His EBV's are exceptional spreading from top 10% for Birth Weight to top 5% for yearling weight and also 14 of a possible 19 traits are ranked in the top 20% of the breed. His sons in the sale a super impressive.

### February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBY	IMF	Selection Index Values	
EBV	+5.0	+5.1	-1.8	-1.5	+15	+37	+47	+45	+15	+2.1	+33	+0.9	+2.5	+3.3	-1.8	+0.2	\$DTI	\$NMI
Acc	70%	56%	87%	87%	83%	83%	78%	74%	63%	85%	70%	64%	69%	68%	66%	63%	+\$35	+\$80

## REFERENCE SIRE: LIBERTY PATHFINDER (AI) (P) (ET) *Homozygous Poll*



**ID:** Y1K P40E      **DOB:** 23/03/2018  
**SIRE:** RANGAN PARK REDEMPTION E42 (RAN E42E) (P)  
**DAM:** LIBERTY JIFFY (Y1K J10E) (P)

**COMMENTS:** Pathfinders' pedigree is packed full of our best and proven genetics. He is an extremely long body bull with exceptional width and carcass attributes, true stud sire outlook and a flawless disposition. Interbreed Junior Champion Beef Bull, 2019 Perth Royal. Backing up his exceptional phenotype is an impressive set of figures; he is a breed trait leader for 200, 400 and 600 day growth along with top 1% for carcass weight and Top 1% Domestic, 5% Northern \$ Index values, 25% for IMF fat and top 20% for milk. He has a couple of very impressive young bulls in the sale.

### February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBY	IMF	Selection Index Values	
EBV	-4.4	-4.9	-1.8	+1.6	+25	+52	+71	+72	+10	+1.0	+39	+0.8	-0.6	-1.0	+0.3	+0.4	\$DTI	\$NMI
Acc	63%	51%	62%	88%	81%	80%	80%	73%	62%	59%	69%	57%	66%	66%	62%	56%	+\$46	+\$71

## REFERENCE SIRE: LT DEL REY 6161 (P) *Homozygous Poll*



**ID:** OAU M361E      **DOB:** 04/03/2016  
**SIRE:** LT LONGNECK 3031 PLD (P) (PED J5582E)  
**DAM:** LT MAXINE 7908 (P) (PED C2861E)

**COMMENTS:** We admired the muscle and softness in this AI sire. It's said he is a top level, proven calving ease AI sire with a low birth weight plus added marbling. Also, that he has hard to beat EPD rankings, top 1% calving ease, top 1% Birth Weight and top 15% marbling with above average weaning weight. A well-built smooth made bull with added carcass shape.

### February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBY	IMF	Selection Index Values	
EBV	+13.8	+3.7	-4.2	-4.0	+5	+13	+9	-17	+15	+1.0	+9	+0.1	+2.4	+2.9	-2.1	+0.7	\$DTI	\$NMI
Acc	55%	40%	81%	80%	66%	58%	58%	56%	43%	41%	43%	33%	35%	35%	34%	33%	+\$18	+\$51

**REGISTERED CHAROLAIS BULLS**

**LOT: 1**

**LIBERTY SHAGADELIC S115E (AI) (P)**



**ID:** Y1K S115E

**DOB:** 23/08/2021 **AGE:** 19 Mths

**VENDOR:** LIBERTY CHAROLAIS STUD

**COMMENTS:**

We are excited to start our sale this year with our Spring drop, draft of bulls. Leading our sale are the first offering of our Palgrove Payday sons.

Shagadelic is a classy poll young bull showing good Charolais attributes with plenty of length and muscle.

LT VENTURE 3198 M835612 (OAU J5612E) (P)

KEYS ALL STATE 149X M792787 (OAU F2787E) (P)

**SIRE:** PALGROVE PAYDAY P499E (PK P499E) (P)

**DAM:** LIBERTY LIPGLOSS (Y1K L18E) (P)

PALGROVE REFINE M53E (PK M53E) (P)

LIBERTY FIDDLE STICKS (Y1K F16E) (P)

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+1.2	+1.4	-4.8	-0.3	+14	+33	+40	+38	+12	+2.2	+28	+1.6	+1.9	+2.3	-0.9	+0.2	\$DTI	\$NMI
Acc	45%	37%	71%	70%	56%	57%	55%	53%	43%	51%	46%	38%	43%	42%	41%	38%	+\$30	+\$63
RANK			15%			25%	35%		10%	10%	20%		5%	10%			30%	15%

Buyer / \$:

**LOT: 2**

**LIBERTY SALVADOR S117E (AI) (P)**



**ID:** Y1K S117E

**DOB:** 26/08/2021 **AGE:** 19 Mths

**VENDOR:** LIBERTY CHAROLAIS STUD

**COMMENTS:**

We feel this bull is the complete package. He's deep bodied, with a strong top and has a mass of carcass, whilst maintaining softness.

His EBV's confirm his phenotype, putting him at the top end, with positive growth and fat cover

LT VENTURE 3198 M835612 (OAU J5612E) (P)

LIBERTY LEFT BANK (Y1K L6E) (P)

**SIRE:** PALGROVE PAYDAY P499E (PK P499E) (P)

**DAM:** LIBERTY NIGHTS ON FIRE (Y1K N92E) (P)

PALGROVE REFINE M53E (PK M53E) (P)

LIBERTY KISSIN COUSIN (Y1K K25E) (P)

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+3.1	-4.5	-1.5	-0.6	+17	+37	+47	+47	+11	+1.4	+29	+1.1	+1.9	+2.6	-1.5	+0.4	\$DTI	\$NMI
Acc	45%	37%	69%	70%	57%	56%	56%	53%	43%	50%	47%	40%	46%	45%	43%	40%	+\$35	+\$64
RANK					20%	10%	20%		15%	35%	15%		5%	5%		25%	15%	15%

Buyer / \$:

**LOT: 3****LIBERTY SAILOR S116E (AI) (ET) (P)****Homozygous Polled****ID:** Y1K S116E**DOB:** 25/08/2021 **AGE:** 19 Mths**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

The first of our Nullabor sons to be offered.

Red factor, homozygous poll, with a strong phenotype, pedigree and performance data all in the one package.

PALGROVE KUDOS K735E (PK K735E) (P)

**SIRE:** PALGROVE NULLABOR (PK N624E) (P)

PALGROVE RITA 26 (PK H483E)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

**DAM:** LIBERTY NAUGHTY OR NICE (Y1K N62E) (P)

LIBERTY JARHEAD (Y1K J6E) (P)

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
	EBV	Acc	RANK														\$DTI	\$NMI
	+1.8	-4.6	-3.3	+0.7	+18	+38	+48	+44	+7	+1.1	+28	+3.0	+1.3	+1.6	+0.1	+0.3		
	44%	39%	57%	66%	57%	57%	57%	53%	46%	52%	49%	41%	48%	48%	45%	41%	+\$39	+\$60
					15%	10%	15%				20%	5%	20%	20%		35%	10%	15%

Buyer / \$:

**LOT: 4****LIBERTY SKYHOOK S112E (AI) (ET) (P)****ID:** Y1K S112E**DOB:** 22/08/2021 **AGE:** 19 Mths**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

A full ET brother to the previous lot. He is a medium framed bull with a strong top and an outstanding carcass.

A real yield improving bull and would be the thickest and deep sided Nullabor son on offer.

PALGROVE KUDOS K735E (PK K735E) (P)

**SIRE:** PALGROVE NULLABOR (PK N624E) (P)

PALGROVE RITA 26 (PK H483E)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

**DAM:** LIBERTY NAUGHTY OR NICE (Y1K N62E) (P)

LIBERTY JARHEAD (Y1K J6E) (P)

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
	EBV	Acc	RANK														\$DTI	\$NMI
	+4.6	-3.6	-3.6	+0.2	+17	+36	+45	+40	+8	+1.1	+27	+3.0	+1.3	+1.6	+0.1	+0.3		
	44%	39%	57%	66%	57%	57%	57%	53%	46%	52%	49%	41%	48%	48%	45%	41%	+\$40	+\$62
			35%		20%	15%	20%				20%	5%	20%	10%		30%	10%	15%

Buyer / \$:

**LOT: 5****LIBERTY SOOPA DOOPA S128E (P) (R/F)**

ID: Y1K S128E

DOB: 05/10/2021 AGE: 18 Mths

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

The first of the Poundmaker sons.

He's red, homozygous poll with a power of volume and width in a moderate frame and the most amazing disposition.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY NAUGHTY OR NICE (Y1K N62E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY JARHEAD (Y1K J6E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
	EBV	Acc	RANK														\$DTI	\$NMI
	+8.3	+1.9	-3.3	-0.9	+13	+26	+35	+30	+14	+1.1	+22	+2.5	+1.1	+1.4	-0.1	+0.5		
	43%	35%	48%	70%	56%	55%	55%	53%	43%	47%	45%	36%	41%	41%	39%	36%	+\$33	+\$56
									5%			15%	20%			20%	25%	20%

Buyer / \$:

**LOT: 6****LIBERTY SCOOPY S110E (AI) (ET) (P) (R/F) (TW)**

ID: Y1K S110E

DOB: 21/08/2021 AGE: 19 Mths

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

This bull is a maternal brother to the previous Lot.

He has a great set of numbers, is homozygous poll and red, soft skinned all put together in a medium framed package.

PALGROVE KUDOS K735E (PK K735E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

SIRE: PALGROVE NULLABOR (PK N624E) (P)

DAM: LIBERTY NAUGHTY OR NICE (Y1K N62E) (P)

PALGROVE RITA 26 (PK H483E)

LIBERTY JARHEAD (Y1K J6E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
	EBV	Acc	RANK														\$DTI	\$NMI
	+2.7	-4.3	-3.4	+0.6	+18	+38	+48	+44	+7	+1.1	+28	+3.0	+1.2	+1.6	+0.1	+0.3		
	44%	39%	57%	67%	60%	63%	60%	56%	46%	52%	52%	42%	48%	48%	45%	41%	+\$40	+\$61
					15%	10%	15%				20%	5%	20%	10%		30%	10%	15%

Buyer / \$:

**LOT: 7****LIBERTY SNOOPY S111E (AI) (ET) (P) (R/F) (TW)****ID:** Y1K S111E**DOB:** 21/08/2021 **AGE:** 19 Mths**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

Last chance, last son of Nullabor- who is a trait leader for weaning and yearling weight and ranks in the top 1% of the breed for EMA.

This bull is a split embryo to the previous Lot 6 and what a great young bull to end our Spring drop offering. He's soft skinned, got length, depth and plenty of muscle and is homozygous poll and red.

PALGROVE KUDOS K735E (PK K735E) (P)

**SIRE:** PALGROVE NULLABOR (PK N624E) (P)

PALGROVE RITA 26 (PK H483E)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

**DAM:** LIBERTY NAUGHTY OR NICE (Y1K N62E) (P)

LIBERTY JARHEAD (Y1K J6E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+3.7	-3.9	-3.5	+0.3	+17	+36	+46	+40	+7	+1.1	+27	+3.0	+1.3	+1.6	+0.1	+0.3	\$DTI	\$NMI
Acc	44%	39%	57%	67%	60%	63%	60%	56%	46%	52%	52%	42%	48%	48%	45%	41%	+\$40	+\$63
RANK					20%	15%	20%				20%	5%	15%	20%		30%	10%	15%

Buyer / \$:

**LOT: 8****LIBERTY TOBLERONE T32E (P/S) (R/F)****ID:** Y1K 22T32E**DOB:** 06/03/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

Toblerone is to start our draft of yearling bulls and he is the complete package; deep bodied, long, with a strong top. He has a mass of carcase, whilst maintaining softness.

A bull with diversity in joining options over a range of breeding females.

PALGROVE LANDMARK (PK L169E) (P)

**SIRE:** PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

PALGROVE PANACHE 318 (PK H986E)

WC MILESTONE 5223 M865273 (OAU L3712E) (P)

**DAM:** LIBERTY QUEENIE (Y1K Q14E) (P)

LIBERTY LILLY (Y1K L79E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+9.3	+5.0	-5.2	-0.5	+19	+31	+46	+45	+14	+1.5	+26	+2.0	+0.9	+1.0	-0.2	+0.5	\$DTI	\$NMI
Acc	38%	29%	49%	59%	60%	56%	55%	51%	39%	44%	45%	34%	41%	40%	38%	34%	+\$39	+\$66
RANK		20%	15%	30%	15%	25%	20%		5%	30%	20%	30%	30%	35%		20%	10%	10%

Buyer / \$:

**LOT: 9****LIBERTY TABOO T9E (AI) (P)**

ID: Y1K 22T9E

DOB: 14/02/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

The only Milestone son on offer this year.

He is a real carcass bull - thick topped; long bodied, yet super soft with great constitution with good EBV's and homozygous poll.

Homozygous  
Polled

WC BENELLI 2134 PEMC350365 (PED H365E) (P)

SIRE: WC MILESTONE 5223 M865273 (OAU L3712E) (P)

WC LADY BLUE 0506 F1132616 (PED J2616E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

DAM: LIBERTY REGAL BLUE (Y1K R86E) (P)

LIBERTY JARHEAD (Y1K J6E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+2.1	-1.8	-4.8	+0.3	+14	+33	+48	+36	+11	+1.8	+26	+1.1	+0.4	+0.3	-0.2	+0.4	\$DTI	\$NMI
Acc	40%	32%	71%	70%	60%	55%	56%	52%	42%	38%	42%	29%	35%	35%	32%	29%	+\$33	+\$67
RANK			15%		35%	20%	15%		15%	20%	25%					25%	15%	10%

Buyer / \$:

**LOT: 10****CULHAM TRAVLIN SOLIDER T4E (P)**

ID: CU1 22T4E

DOB: 08/03/2022

VENDOR: CULHAM CHAROLAIS STUD

**COMMENTS:**

Don't let this bull slip under your radar, we believe he has the potential to be a stud sire.

Classy pedigree; great phenotype; strong performance data and to top it off he's polled

PALGROVE LANDMARK (PK L169E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

DAM: DOWNUNDER PERFECT PITCH P96E (1LP P96E) (P)

DOWNUNDER KNOW IT ALL (1LP K14E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+2.7	+0.4	-2.2	+0.8	+16	+29	+41	+39	+11	+0.7	+24	+2.4	+0.5	+0.6	+0.4	+0.3	\$DTI	\$NMI
Acc	41%	33%	45%	70%	60%	56%	56%	53%	43%	46%	44%	33%	38%	37%	36%	33%	+\$33	+\$50
RANK					30%	35%	35%		15%		35%	15%			30%	30%	20%	35%

Buyer / \$:

**LOT: 11****LIBERTY TOTAL REBELLION T35E (AI) (P) (R/F)**

ID: Y1K 22T35E

DOB: 08/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A polled red factor bull with exceptional carcass attributes.

Thick topped; long bodied, deep sided yet super soft including EBV fats in the top 1%

LIBERTY MAJOR GENERAL (Y1K M38E) (P)

CEDARDALE YELLOWSTONE 25Y MC342657 (OAC G2657E) (P)

SIRE: LIBERTY PITTSBURG (Y1K P42E) (P)

DAM: LIBERTY LA GROOVY (Y1K L40E) (P)

LIBERTY LEGALLY BLONDE (Y1K L17E) (P)

LIBERTY GEORGIE GIRL (Y1K G31E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+1.1	+6.5	-5.5	-1.2	+6	+22	+20	+9	+11	+0.9	+13	+1.6	+2.5	+3.4	-1.5	+0.8	\$DTI	\$NMI
Acc	40%	32%	74%	71%	60%	57%	58%	54%	45%	39%	45%	32%	40%	40%	38%	33%	+\$20	+\$46
RANK		10%	10%	20%					15%				1%	1%		10%		

Buyer / \$:

**LOT: 12****LIBERTY THE WHISKEY BANDIT T78E (P)**

ID: Y1K 22T78E

DOB: 25/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

Another great Poundmaker son showing the consistent carcass merit, easy fleshing and softness that he is passing onto his progeny.

Top 10% for carcass EBV and top 15% for all fat traits.

PALGROVE LANDMARK (PK L169E) (P)

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY LADY IN RED (Y1K L20E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY FOREVER ME (Y1K F21E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+4.3	+1.3	-3.7	-0.3	+14	+27	+33	+28	+11	+0.9	+21	+2.7	+1.4	+1.8	-0.3	+0.6	\$DTI	\$NMI
Acc	44%	38%	53%	72%	62%	59%	59%	56%	47%	49%	48%	38%	43%	43%	41%	38%	+\$30	+\$49
RANK			35%	35%					15%			10%	15%	15%		15%	30%	35%

Buyer / \$:

**LOT: 13****LIBERTY TALLAHATCHIE T41E (AI) (P) (R/F)****Homozygous Polled**

ID: Y1K 22T41E

DOB: 11/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A red factor, homozygous poll, long bodied - thick topped bull that should add that extra weight gain into your program with his above average growth and fats EBV's.

LIBERTY MAJOR GENERAL (Y1K M38E) (P)

SIRE: LIBERTY PITTSBURG (Y1K P42E) (P)

LIBERTY LEGALLY BLONDE (Y1K L17E) (P)

LIBERTY LEFT BANK (Y1K L6E) (P)

DAM: LIBERTY NAKITA (Y1K N20E) (P)

LIBERTY LOOK AT ME (Y1K L57E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-1.5	-3.2	-4.0	+0.0	+16	+33	+38	+35	+9	+0.8	+22	+0.7	+1.1	+1.5	-1.0	+0.8	\$DTI	\$NMI
Acc	40%	32%	73%	71%	60%	57%	58%	54%	43%	39%	45%	33%	41%	41%	38%	34%	+\$29	+\$44
RANK			25%		25%	20%			25%				20%	20%		10%	30%	

Buyer / \$:

**LOT: 14****LIBERTY THE GENERAL T7E (AI) (ET) (P) (R/F)****Homozygous Polled**

ID: Y1K 22T7E

DOB: 14/02/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

No surprise here, this red factor, homozygous poll, Major General son is one of the heaviest yearling bulls in the draft.

He shows exceptional growth, carcass and IMF% EBV's.

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

SIRE: LIBERTY MAJOR GENERAL (Y1K M38E) (P)

LIBERTY HOURGLASS (Y1K H26E) (P)

PLATINUM ULTRA (AJ1 U37E) (P)

DAM: LIBERTY FROSTED DESIGN (Y1K F5E) (P)

LIBERTY DROP DEAD GORGEOUS (Y1K D35E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-5.7	-6.5	-3.6	+0.9	+19	+42	+55	+50	+17	+1.6	+29	+1.2	+0.9	+1.2	-0.8	+1.0	\$DTI	\$NMI
Acc	47%	42%	55%	60%	55%	56%	56%	52%	53%	51%	50%	42%	48%	48%	46%	42%	+\$35	+\$57
RANK			35%		15%	5%	10%		5%	25%	15%		30%	30%		5%	15%	20%

Buyer / \$:



**LOT: 15**

**LIBERTY THE OUTLAW T38E (AI) (P) (R/F)**



**ID:** Y1K 22T38E  
**DOB:** 10/03/2022  
**VENDOR:** LIBERTY CHAROLAIS STUD

**COMMENTS:**  
 A poll, red factor bull showing excellent carcass attributes in the top 5% of breed for all growth traits and is soft as butter.  
  
 Would be the ideal bull to put over those Bos indicus type female.

**SIRE:** CEDARDALE TYRANT 31T PMC310603 (OAC C603E) (P) **LIBERTY MAJOR GENERAL (Y1K M38E) (P)**  
**CEDARDALE ZEAL 125Z MC345134 (OAC H5134E) (P)** **DAM: LIBERTY PANDORA (Y1K P3E) (P)**  
**CEDARDALE MISS 64T (OAC C331E) (P)** **LIBERTY JIFFY (Y1K J10E) (P)**

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-7.4	+2.3	-3.7	+0.8	+24	+44	+59	+55	+9	+1.5	+32	+0.9	+1.1	+1.1	-0.5	+0.1	\$DTI	\$NMI
Acc	43%	33%	73%	70%	61%	58%	57%	54%	43%	38%	45%	31%	38%	38%	35%	31%	+\$35	+\$68
RANK			35%		5%	5%	5%		25%	30%	10%		20%	30%			15%	10%

Buyer / \$:

**LOT: 16**

**LIBERTY THE DUKE T39E (AI) (P)**



**ID:** Y1K 22T39E  
**DOB:** 10/03/2022  
**VENDOR:** LIBERTY CHAROLAIS STUD

**COMMENTS:**  
 The only Blackjack in our sale this year. If you're looking for performance in a homozygous poll package, check out his EBV's they are exceptional. Double the breed average for carcass, 400 & 600 day weight and top 5% for fats.  
  
 He is a seriously good bull.

**GERRARD PASTOR 35Z MC347921 (OAC H7921E) (P)** **LIBERTY MAJOR GENERAL (Y1K M38E) (P)**  
**SIRE: ELDER'S BLACKJACK 788B M358621 (OAC K788E) (P)** **DAM: LIBERTY PROMENADE (Y1K P44E) (P)**  
**SVY STARTSTRUCK 8X FC382684 (OAC F8E) (P)** **LIBERTY LA GROOVY (Y1K L40E) (P)**

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-12.5	+4.1	-4.4	+1.6	+22	+50	+71	+72	+10	+2.5	+40	+2.6	+2.2	+2.5	-0.5	+0.2	\$DTI	\$NMI
Acc	46%	38%	75%	73%	64%	61%	63%	58%	47%	51%	50%	38%	47%	46%	42%	38%	+\$35	+\$78
RANK		25%	25%		5%	1%	1%		20%	10%	1%	10%	5%	5%			15%	5%

Buyer / \$:

**LOT: 17****LIBERTY TEDDY BEAR T73E (P)**

ID: Y1K 22T73E

DOB: 24/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

Sired by our low birth weight - calving ease - go to heifer bull.

This fellow has a huge hind quarter and loads of length.

CEDARDALE ZEAL 125Z MC345134 (OAC H5134E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

SIRE: LIBERTY PANCHALI (Y1K P76E) (P)

DAM: LIBERTY QUALITY DIAMOND (Y1K Q45E) (P)

LIBERTY HAPPY GO LUCKY (Y1K H3E) (P)

LIBERTY KOFFEE CREAM (Y1K K17E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	-0.7	+2.0	-2.0	-0.4	+13	+28	+35	+29	+8	+1.4	+20	+1.1	+2.0	+2.6	-1.3	+0.6		
Acc	42%	34%	53%	71%	63%	60%	60%	56%	46%	38%	48%	38%	45%	45%	42%	38%	+\$24	+\$58
RANK				30%						35%			5%	5%		15%		20%

Buyer / \$:

**LOT: 18****LIBERTY TAKE ON ME T12E (AI) (P)**

ID: Y1K 22T12E

DOB: 16/02/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

An extremely soft skinned, deep sided, well put together young bull with a great set of figures across the board and the most amazing disposition.

LT BLUEGRASS 4017P M686569 (OAU Z4017E) (P)

KOOYONG POWERPLAY (H2E P91E)

SIRE: LIBERTY QUANTRILL (Y1K Q15E) (P)

DAM: LIBERTY RED DAKOTA (Y1K R37E) (P)

LIBERTY NAUGHTY OR NICE (Y1K N62E) (P)

LIBERTY NUTELLA (Y1K N4E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+6.2	+2.7	-4.8	-0.6	+13	+24	+27	+17	+9	+1.5	+17	+1.5	+1.3	+1.6	-0.6	+0.5		
Acc	37%	32%	70%	69%	59%	54%	54%	52%	39%	36%	41%	30%	34%	34%	33%	30%	+\$28	+\$52
RANK		35%	15%	30%					25%	30%			15%	20%		20%	30%	25%

Buyer / \$:

**LOT: 19****LIBERTY TIN MAN T23E (AI) (P)**

ID: Y1K 22T23E

DOB: 21/02/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A deep bodied, homozygous poll Payday son, with plenty of length and a strong topline. He has a mass of carcase, whilst maintaining softness.

Above breed average growth traits for 200, 400 day weights, carcase and fats EBV's.

Homozygous Polled

LT VENTURE 3198 M835612 (OAU J5612E) (P)

ANC LAOIS (ANC L258F) (P)

SIRE: PALGROVE PAYDAY P499E (PK P499E) (P)

DAM: LIBERTY RAVISHING RUBY (Y1K R41E) (P)

PALGROVE REFINE M53E (PK M53E) (P)

LIBERTY KISSIN ME SOFTLY (Y1K K45E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-6.1	-7.9	-0.9	+0.9	+15	+34	+44	+51	+9	+1.5	+27	+1.2	+1.0	+1.2	-0.5	+0.0	\$DTI	\$NMI
Acc	44%	36%	73%	70%	61%	58%	57%	54%	41%	50%	45%	37%	41%	40%	39%	37%	+\$25	+\$39
RANK					35%	20%	25%		25%	30%	20%		25%	30%				

Buyer / \$:

**LOT: 20****LIBERTY TOPEKA T16E (AI) (P)**

ID: Y1K 22T16E

DOB: 18/02/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

One of the first Del Rey sons offered in Australia.

He is homozygous poll and has good length, depth, width of body along with plenty of muscle and softness.

Homozygous Polled

LT LONGNECK 3031 PLD M835582 (PED J5582E) (P)

LIBERTY PANCHALI (Y1K P76E) (P)

SIRE: LT DEL REY 6161 M880361 (OAU M361E) (P)

DAM: LIBERTY RAINBOW N ROSES (Y1K R13E) (P)

LT MAXINE 7908 EF1072861 (PED C2861E) (P)

LIBERTY PROMENADE (Y1K P44E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+4.4	+3.1	-3.7	-1.2	+14	+29	+33	+21	+13	+1.1	+20	+0.8	+2.0	+2.5	-1.5	+0.7	\$DTI	\$NMI
Acc	37%	26%	73%	69%	58%	51%	52%	50%	34%	31%	37%	25%	29%	29%	27%	25%	+\$29	+\$61
RANK		35%	35%	20%		35%			10%				5%	5%		10%	35%	15%

Buyer / \$:

**LOT: 21****LIBERTY TROJAN T72E (P)****Homozygous Polled****ID:** Y1K 22T72E**DOB:** 22/03/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

A homozygous Pathfinder son and boy has he stamped his mark on his progeny.

Nicely laid in shoulders, long bodied and has that softness we like.

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

**SIRE:** LIBERTY PATHFINDER (Y1K P40E) (P)

LIBERTY JIFFY (Y1K J10E) (P)

LIBERTY LEFT BANK (Y1K L6E) (P)

**DAM:** LIBERTY NEVER MIND ME (Y1K N104E) (P)

LIBERTY HIP HOP (Y1K H23E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	-0.7	-6.4	-1.0	+0.9	+17	+35	+46	+45	+7	+0.4	+27	+0.9	+0.1	+0.1	-0.2	+0.5	\$DTI	\$NMI
Acc	42%	35%	47%	71%	62%	59%	59%	56%	45%	39%	48%	37%	45%	45%	42%	38%	+\$33	+\$47
RANK					20%	15%	20%				20%					20%	20%	35%

Buyer / \$:

**LOT: 22****LIBERTY TOMAHAWK T17E (AI) (P) (R/F)****Homozygous Polled****ID:** Y1K 22T17E**DOB:** 18/02/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

Another homozygous poll Del Rey son we have admired a lot.

Shows a great muscle pattern from such a low birth weight sire, he has plenty of softness to match, which is evident by his EBV's.

Retaining a semen share. Selling full possession.

LT LONGNECK 3031 PLD M835582 (PED J5582E) (P)

**SIRE:** LT DEL REY 6161 M880361 (OAU M361E) (P)

LT MAXINE 7908 EF1072861 (PED C2861E) (P)

LIBERTY MANHATTEN WIND (Y1K M11E) (P)

**DAM:** LIBERTY QUALITY PLUS (Y1K Q16E) (P)

LIBERTY NAKITA (Y1K N20E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+9.0	+2.4	-4.9	-2.9	+8	+14	+14	-11	+10	+1.3	+11	+0.6	+1.9	+2.4	-1.5	+0.7	\$DTI	\$NMI
Acc	39%	29%	74%	70%	59%	54%	55%	52%	37%	35%	41%	29%	36%	35%	33%	29%	+\$19	+\$52
RANK			15%	5%					20%				5%	5%		10%		30%

Buyer / \$:

**LOT: 23**

**LIBERTY TIM BUCK 2 T37E (AI) (P)**



**Homozygous Polled**

**ID:** Y1K 22T37E

**DOB:** 10/03/2022

**VENDOR:** LIBERTY CHAROLAIS STUD

**COMMENTS:**

The last of our Payday sons and what a cracking bull he is, we have been super impressed with this guy.

We think he has potential as a stud sire, with a good spread of maternal EBV's, muscle, length, homozygous poll and a flawless disposition.

LT VENTURE 3198 M835612 (OAU J5612E) (P)

**SIRE:** PALGROVE PAYDAY P499E (PK P499E) (P)

PALGROVE REFINE M53E (PK M53E) (P)

LT BLUEGRASS 4017P M686569 (OAU Z4017E) (P)

**DAM:** LIBERTY PEARL (Y1K P6E) (P)

LIBERTY MY KINDA CRAZY (Y1K M7E) (P)

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+7.1	+8.0	-4.1	-1.7	+11	+28	+30	+22	+11	+1.9	+22	+1.1	+2.3	+3.1	-1.7	+0.6	\$DTI	\$NMI
Acc	47%	39%	75%	72%	64%	61%	60%	57%	47%	53%	50%	43%	47%	47%	45%	42%	+\$29	+\$68
RANK		10%	25%	15%					15%	15%			5%	5%		15%	30%	10%

Buyer / \$:

**LOT: 24**

**LIBERTY TOPHAT T83E (P)**



**Homozygous Polled**

**ID:** Y1K 22T83E

**DOB:** 30/03/2022

**VENDOR:** LIBERTY CHAROLAIS STUD

**COMMENTS:**

A great Poundmaker son that will add good carcass shape and weight into a calf crop with above breed average carcass traits, all in a homozygous poll package.

PALGROVE LANDMARK (PK L169E) (P)

**SIRE:** PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY HAWKEYE (Y1K H65E) (P)

**DAM:** LIBERTY LET ME BE (Y1K L26E) (P)

LIBERTY HOPE SPRINGS (Y1K H57E) (P)

**February 2023 Australasian Charolais BREEDPLAN Analysis**

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+6.6	+5.6	-3.7	-0.5	+13	+22	+33	+29	+12	+1.0	+20	+2.2	+0.8	+1.0	+0.0	+0.3	\$DTI	\$NMI
Acc	42%	35%	47%	71%	62%	59%	59%	55%	44%	48%	47%	37%	42%	42%	40%	37%	+\$29	+\$50
RANK		20%	35%	30%					10%			20%	35%	35%		25%	30%	35%

Buyer / \$:

**LOT: 25****LIBERTY TWISTED X T95E (R/F)**

ID: Y1K 22T95E

DOB: 12/04/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

Like his 1/2 brother before him, what more can we say, thick topped; long bodied, yet super soft with great constitution.

You be the judge on the Poundy sons, they all show carcase and growth performance.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY MIDNIGHT SPECIAL (Y1K M23E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY GEORGIE GIRL (Y1K G31E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+0.5	-1.8	-2.0	+1.4	+17	+31	+44	+45	+9	+0.8	+25	+2.6	+0.9	+1.1	+0.2	+0.4	\$DTI	\$NMI
Acc	43%	36%	48%	70%	62%	59%	58%	55%	46%	48%	47%	35%	39%	38%	37%	35%	+\$32	+\$50
RANK					20%	30%	25%		25%		30%	10%	30%	30%		25%	25%	30%

Buyer / \$:

**LOT: 26****LIBERTY TROUBADOUR T82E (P)**

ID: Y1K 22T82E

DOB: 30/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

Don't let this Poundy son slip under your radar, he is the complete package - strong phenotype, pedigree and performance data.

We have selected his Dam for our coming embryo program.

PALGROVE LANDMARK (PK L169E) (P)

CEDARDALE YELLOWSTONE 25Y MC342657 (OAC G2657E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY MY KINDA CRAZY (Y1K M7E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY A GREAT GAL (Y1K A17E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+9.0	+9.2	-5.7	-1.4	+12	+23	+31	+24	+13	+1.0	+21	+2.8	+1.4	+1.9	-0.1	+0.4	\$DTI	\$NMI
Acc	42%	34%	48%	70%	61%	57%	57%	54%	45%	46%	45%	34%	38%	37%	36%	33%	+\$31	+\$59
RANK		5%	10%	15%					10%			10%	15%	15%		25%	25%	15%

Buyer / \$:

**LOT: 27****LIBERTY THREE RIVERS T52E (R/F)**

ID: Y1K 22T52E

DOB: 16/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A Pounding son that should work really well over those British bred females and add some good weight in their calves.

He shows good growth, Eye muscle area and IMF fat traits.

PALGROVE LANDMARK (PK L169E) (P)

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY KASHMIR (Y1K K26E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY ANGELIC (Y1K A21E)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+1.7	-2.3	-3.1	+0.8	+17	+30	+42	+36	+10	+0.5	+24	+2.8	+0.7	+0.8	+0.5	+0.5		
Acc	44%	37%	52%	71%	63%	59%	59%	56%	45%	50%	48%	38%	44%	43%	41%	38%	+\$34	+\$50
RANK					20%	35%	35%		20%		35%	10%	35%		30%	20%	20%	

Buyer / \$:

**LOT: 28****LIBERTY THUNDER STRUCK T70E (P) (R/F)**

ID: Y1K 22T70E

DOB: 21/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A bull that could sit further up in the catalogue order, he has muscle to boot and a super soft hide.

He sits in the top 15% of breed for his Eye Muscle area and top 20% for IMF fat traits

PALGROVE LANDMARK (PK L169E) (P)

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY HEAT WAVE (Y1K H66E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY ECHOES ELEGANCE (Y1K E23E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+2.8	+2.3	-1.6	+0.5	+14	+31	+40	+37	+12	+0.3	+26	+2.5	+0.8	+0.9	+0.1	+0.5		
Acc	44%	36%	51%	71%	62%	58%	58%	55%	47%	51%	46%	36%	39%	38%	38%	35%	+\$33	+\$48
RANK					30%		35%		10%		25%	15%	35%	35%		20%	20%	30%

Buyer / \$:

**LOT: 29****LIBERTY THE PHANTOM T98E (P) (R/F)**

ID: Y1K 22T98E

DOB: 22/04/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A really deep sided, easy fleshing Pounding son.

He has a great spread of carcass EBV traits, muscle and softness.

PALGROVE LANDMARK (PK L169E) (P)

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY LAS VEGAS (Y1K L45E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY FLORIDA (Y1K F28E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+7.1	+3.7	-2.4	-0.4	+17	+33	+42	+39	+10	+0.9	+27	+2.7	+1.2	+1.5	-0.1	+0.6		
Acc	44%	37%	53%	71%	63%	59%	59%	56%	47%	49%	48%	38%	44%	44%	42%	38%	+\$39	+\$65
RANK		30%		30%	20%	25%	30%		15%		20%	10%	20%	20%		15%	10%	15%

Buyer / \$:

**LOT: 30****LIBERTY TRIPLE TREAT T18E (AI) (P) (R/F)**

ID: Y1K 22T18E

DOB: 18/02/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A Del Rey son out of a maiden heifer, that is red in colour, homozygous polled showing low birth weight EBV's, along with high milk and good fat traits.

LT LONGNECK 3031 PLD M835582 (PED J5582E) (P)

LIBERTY MAJOR GENERAL (Y1K M38E) (P)

SIRE: LT DEL REY 6161 M880361 (OAU M361E) (P)

DAM: LIBERTY RUBY MOON (Y1K R8E) (P)

LT MAXINE 7908 EF1072861 (PED C2861E) (P)

LIBERTY NORTHERN STAR (Y1K N36E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+7.2	+2.9	-4.0	-2.1	+5	+18	+14	-7	+14	+0.6	+12	+0.5	+1.6	+1.9	-1.4	+0.6		
Acc	37%	28%	72%	69%	57%	51%	52%	50%	35%	34%	37%	25%	29%	29%	28%	25%	+\$19	+\$41
RANK		35%	30%	10%					5%				10%	15%		15%		

Buyer / \$:



**LOT: 31****LIBERTY THUNDERBOLT T77E (P) (R/F)**

ID: Y1K 22T77E

DOB: 25/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

Poundy doing it again, they just keep coming.

Red factor, poll and an exceptionable nature.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY NOUGAT (Y1K N78E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY DESERT FLOWER (Y1K D42E)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+4.3	-1.6	-2.0	+0.8	+14	+26	+40	+42	+11	+0.8	+21	+1.8	+0.1	+0.0	+0.5	+0.2	\$DTI	\$NMI
Acc	42%	36%	46%	71%	62%	58%	59%	56%	45%	48%	47%	36%	42%	42%	40%	36%	+\$30	+\$43
RANK							35%		15%						25%		30%	

Buyer / \$:

**LOT: 32****LIBERTY TIM TAM T80E (P) (R/F)**

ID: Y1K 22T80E

DOB: 27/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A homozygous son of Pathfinder who is red and has pedigree predictability behind him.

Above breed average EBV's for growth and milk.

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

CEDARDALE ABRACADABRA 123A (OAC J1435E) (P)

SIRE: LIBERTY PATHFINDER (Y1K P40E) (P)

DAM: LIBERTY NUTELLA (Y1K N4E) (P)

LIBERTY JIFFY (Y1K J10E) (P)

LIBERTY HERSEYS KISSES (Y1K H43E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+0.3	+1.5	-3.9	+0.5	+16	+33	+41	+33	+10	+0.8	+24	+1.1	+0.3	+0.1	+0.1	+0.3	\$DTI	\$NMI
Acc	41%	33%	51%	72%	63%	59%	59%	56%	45%	38%	47%	36%	43%	43%	40%	36%	+\$32	+\$54
RANK			30%		30%	20%	35%		20%		35%					35%	20%	25%

Buyer / \$:

**LOT: 33****LIBERTY THE SECRETS OUT T68E (R/F)**

ID: Y1K 22T68E

DOB: 18/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

He is dark red and the deepest flanked Pounding son in the offering, great bull to cover those Angus females with the high possibility of producing black calves.

Retaining a semen share. Selling full possession.

PALGROVE LANDMARK (PK L169E) (P)

RANGAN PARK REDEMPTION E42 (RAN E42E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY PENSACOLA (Y1K P30E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY DESERT FLOWER (Y1K D42E)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+2.8	+2.7	-2.4	+0.5	+17	+32	+46	+48	+12	+0.7	+26	+2.1	+0.5	+0.6	+0.1	+0.4		
Acc	42%	36%	46%	70%	61%	57%	57%	55%	43%	48%	46%	36%	40%	39%	38%	36%	+\$34	+\$52
RANK		35%			20%	25%	25%		10%		25%	25%				25%	15%	30%

Buyer / \$:

**LOT: 34****LIBERTY TAMARILLO T40E (R/F)**

ID: Y1K 22T40E

DOB: 10/03/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A light straw coloured (R/F) bull with medium framed, deep sided and great carcass shape.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY NEW YORK MINUTE (Y1K N56E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY KOFFEE CREAM (Y1K K17E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+5.8	+3.4	-3.7	-0.3	+15	+30	+39	+34	+12	+1.1	+26	+2.5	+0.5	+0.6	+0.4	+0.3		
Acc	42%	35%	48%	71%	62%	59%	59%	56%	45%	48%	47%	37%	42%	42%	40%	37%	+\$36	+\$58
RANK		30%	35%	30%					10%		25%	15%			30%	30%	15%	20%

Buyer / \$:

**LOT: 35****LIBERTY TIK TAK TOE T90E (P)****ID:** Y1K 22T90E**DOB:** 03/04/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

This bull is the softness skinned Poundy son in this year draft.

He shows great finishability, carcass shape, muscle and is homozygous poll.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

**SIRE:** PALGROVE POUNDMAKER P2046E (PK P2046E) (P)**DAM:** LIBERTY MAPLE BOMB (Y1K M91E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY HANKY PANKY (Y1K H10E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+5.3	-3.1	-2.8	+0.6	+17	+31	+43	+41	+10	+1.2	+24	+2.4	+0.8	+1.1	+0.0	+0.5	\$DTI	\$NMI
Acc	44%	38%	49%	71%	62%	58%	57%	55%	44%	48%	45%	35%	38%	38%	37%	35%	+\$35	+\$54
RANK					20%	30%	30%		20%		35%	15%		30%		20%	15%	25%

Buyer / \$:

**LOT: 36****LIBERTY TRAVLIN MAN T105E (P) (R/F)****ID:** Y1K 22T105E**DOB:** 08/05/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

One of our youngest Poundy son's on offer but he really desires to be in the catalogue.

Have a good look at this fellow, tremendous volume and width combined with above breed average EMA and Carcass EBV's. An easy bull to recommend.

PALGROVE LANDMARK (PK L169E) (P)

TOKEN EATONS FLAGSHIP (4FJ F5E) (P)

**SIRE:** PALGROVE POUNDMAKER P2046E (PK P2046E) (P)**DAM:** LIBERTY KISS CURL (Y1K K55E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY FLORIDA (Y1K F28E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
EBV	+4.3	+2.6	-2.3	+0.9	+15	+31	+42	+41	+10	+1.5	+27	+2.9	+1.1	+1.3	+0.3	+0.2	\$DTI	\$NMI
Acc	43%	36%	46%	71%	62%	59%	59%	56%	46%	49%	48%	36%	42%	42%	40%	36%	+\$34	+\$60
RANK					35%	30%	30%		20%	30%	20%	5%	25%	25%	35%		15%	20%

Buyer / \$:

**LOT: 37****LIBERTY TOO HOT TO HANDLE T91E (P)**

ID: Y1K 22T91E

DOB: 04/04/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

One of the longest bodied Pounding sons in the sale. Length equal weight and weight equals \$ in the pocket.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JACK OF HEARTS (Y1K J19E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY PETTICOAT LANE (Y1K P90E) (P)

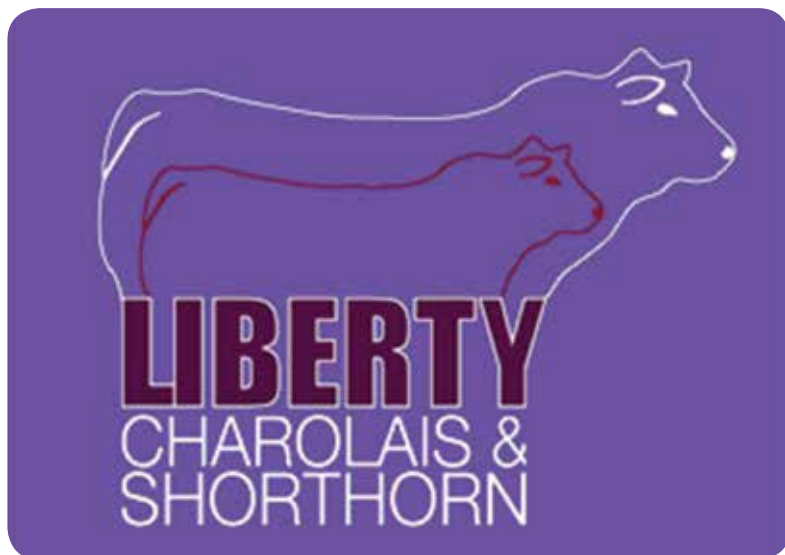
PALGROVE PANACHE 318 (PK H986E)

LIBERTY KALEIDOSCOPE (Y1K K7E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+6.2	+1.7	-3.4	+0.1	+17	+31	+42	+42	+12	+0.8	+26	+2.0	+1.1	+1.4	-0.3	+0.4		
Acc	41%	33%	47%	71%	62%	58%	58%	55%	42%	46%	46%	36%	42%	41%	39%	36%	+\$35	+\$54
RANK					30%	30%	30%		10%		25%	30%	20%	25%		25%	15%	25%

Buyer / \$:

**LOT: 38****LIBERTY TOP SECRET T93E (R/F)**

ID: Y1K 22T93E

DOB: 09/04/2022

VENDOR: LIBERTY CHAROLAIS STUD

**COMMENTS:**

A red factor powerhouse Poundmaker son, with above breed average growth, carcass and fat EBV's.

This bull has performance stacked through his pedigree.

PALGROVE LANDMARK (PK L169E) (P)

KEYS POLLED FUSION 163E M428253 (OAU Q163E) (P)

SIRE: PALGROVE POUNDMAKER P2046E (PK P2046E) (P)

DAM: LIBERTY MISFIT (Y1K M15E)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY KISSIN ME SOFTLY (Y1K K45E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+2.6	-2.4	-3.0	+0.5	+17	+30	+42	+36	+11	+1.2	+24	+2.8	+1.0	+1.1	+0.3	+0.3		
Acc	42%	34%	52%	70%	61%	58%	57%	54%	45%	46%	46%	33%	38%	38%	36%	33%	+\$33	+\$55
RANK					20%	30%	30%		15%		35%	10%	25%	30%	35%	30%	20%	25%

Buyer / \$:

**LOT: 39****CULHAM TEXAS TIME T3E (AI) (P)****ID:** CU1 22T3E**DOB:** 08/03/2022**VENDOR:** CULHAM CHAROLAIS STUD**COMMENTS:**

A good young polled Pittsburg son and Culham Charolais final bull on offer.

His progeny should finish easily, which gives him versatility in joining options.

LIBERTY MAJOR GENERAL (Y1K M38E) (P)

LIBERTY LEFT BANK (Y1K L6E) (P)

**SIRE:** LIBERTY PITTSBURG (Y1K P42E) (P)**DAM:** CULHAM NEBRASKA (CU1 N7E) (P)

LIBERTY LEGALLY BLONDE (Y1K L17E) (P)

CULHAM LADY FEEBEE (CU1 L3E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
	EBV	Acc	RANK														\$DTI	\$NMI
	+3.7	-1.3	-4.5	-0.5	+12	+28	+32	+26	+9	+0.7	+18	+0.9	+1.4	+2.0	-1.2	+0.8		
	37%	29%	71%	69%	58%	54%	54%	51%	39%	35%	41%	28%	34%	34%	31%	28%	+\$28	+\$46
			20%	30%					25%				10%	10%		10%	35%	

Buyer / \$:

**LOT: 40****LIBERTY TONTO T96E (P)****ID:** Y1K 22T96E**DOB:** 18/04/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

Don't miss the opportunity to secure a well balance Poundy son, last one in our draft.

He's in the top 15% for Eye Muscle area and top 20% of the breed for IMF fats, muscle and softness.

PALGROVE LANDMARK (PK L169E) (P)

LIBERTY JUST RAMBLIN ALONG (Y1K J35E) (P)

**SIRE:** PALGROVE POUNDMAKER P2046E (PK P2046E) (P)**DAM:** LIBERTY NUMBAT (Y1K N59E) (P)

PALGROVE PANACHE 318 (PK H986E)

LIBERTY KOVERGIRL (Y1K K68E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
	EBV	Acc	RANK														\$DTI	\$NMI
	+2.2	-0.9	-1.5	+1.0	+13	+26	+35	+32	+9	+0.6	+20	+2.4	+0.7	+0.9	+0.2	+0.5		
	43%	35%	49%	71%	62%	58%	59%	56%	45%	48%	47%	36%	42%	42%	40%	36%	+\$29	+\$45
									30%			15%				20%	30%	

Buyer / \$:

**LOT: 41****LIBERTY TRIGGER T33E (AI) (P)****Homozygous Polled****ID:** Y1K 22T33E**DOB:** 06/03/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

A pretty handy Laois son with good length of body, thick topped and homozygous poll.

Should compliment those British bred cows by adding extra carcase in their calves.

ANC DANUBE D55F (ANC D55F) (P)

LT EASY BLEND 5125 PLD M705113 (OAU A5113E) (P)

**SIRE:** ANC LAOIS (ANC L258F) (P)**DAM:** LIBERTY KALEIDOSCOPE (Y1K K7E) (P)

ANC BOUNTY,S FLEURENE (ANC F68F) (P)

LIBERTY HANKY PANKY (Y1K H10E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+4.0	-3.6	-4.6	+0.0	+9	+22	+28	+35	+6	+1.2	+19	+0.5	+0.2	+0.1	-0.2	-0.2		
Acc	47%	39%	75%	73%	63%	61%	61%	57%	47%	51%	50%	40%	45%	44%	42%	40%	+\$21	+\$24
RANK			20%															

Buyer / \$:

**LOT: 42****LIBERTY THE GAMBLER T27E (AI) (P)****Homozygous Polled****ID:** Y1K 22T27E**DOB:** 26/02/2022**VENDOR:** LIBERTY CHAROLAIS STUD**COMMENTS:**

A nice easy doing Del Rey son to finish of our Charolais line of bulls.

He is homozygous poll and shows good birth weight, milk and carcase fat EBV's.

LT LONGNECK 3031 PLD M835582 (PED J5582E) (P)

WC MILESTONE 5223 M865273 (OAU L3712E) (P)

**SIRE:** LT DEL REY 6161 M880361 (OAU M361E) (P)**DAM:** LIBERTY QUICKCAT (Y1K Q21E) (P)

LT MAXINE 7908 EF1072861 (PED C2861E) (P)

LIBERTY KISSIN COUSIN (Y1K K25E) (P)

## February 2023 Australasian Charolais BREEDPLAN Analysis

Charolais	CE Dir	CE Dtrs	GL	BW	200D	400D	600D	MCW	Milk	SS	Carc Wt	EMA	Rib	Rump	RBV	IMF	Selection Index Values	
																	\$DTI	\$NMI
EBV	+7.4	+1.8	-3.9	-1.8	+8	+21	+24	+6	+13	+1.1	+15	+0.7	+1.5	+1.7	-1.2	+0.5		
Acc	37%	27%	73%	70%	59%	53%	54%	51%	36%	33%	40%	27%	34%	34%	31%	27%	+\$23	+\$53
RANK			30%	15%					10%				10%	15%		20%		25%

Buyer / \$:

## NOTES

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## Liberty Shorthorn

For Liberty it seemed a natural progression to delve into a stud Shorthorn operation with Robin's family's long ties in the Shorthorn breed. Both parents were staunch believers in the Shorthorn breed with ties from Lesley's history at Rosewood and Newry Stations in the NT and the Phillips family beef operation at Mt Augustus in the Gascoyne region of WA, then running shorthorn cattle at Culham in Toodyay. When a decision was made in the 70's to diversify into the Charolais breed the family used the Shorthorn cows as a base to start the upgrading program to a pure-bred stud Charolais operation. A number of renowned Charolais studs in Australia today started their Charolais stud operations from a Shorthorn cow base.

In the past 20 years at Culham our commercial herd consisted predominately of a Shorthorn /Red Angus cow base and using Liberty Charolais bulls to produce an outstanding and unmatched calf. We had tried Angus and Murray grey cow to our Charolais bulls and these were good saleable calves, but found the Shorthorn Charolais cross calf, out weight and out preformed any other cross we had tried. This was the perfect cross for us and our operation.

Shorthorn cattle are arguably the most complementary breed of cattle in the world, they form the basis of over 40 breeds worldwide and have been and are still in very high demand worldwide.

The Shorthorn breed is commonly referred to as the gentle, quite breed of British bred cattle and have been long known for their superior-quality beef. The Shorthorn breed also seems to have the unique ability to produce high levels of desired marbling which is directly linked to tenderness along with greater levels of muscling than other British breed cattle.

In Australia Shorthorn cattle are renowned for their carcass quality. In the MRC M112B project in Australia, 12,342 calves were fed; Shorthorns finished No.1 for marbling and had the least variation in marble score of any breed.

Our aim is to breed a poll Shorthorn of medium frame with plenty of muscle, keeping that highly desirable marbling and easy finishing ability that the Shorthorn breed is renowned for. The Shorthorns exceptional maternal and high fertility traits are also at the forefront of our program after all, that is a Shorthorn. Our aim is to produce cattle with our commercial end user in mind, we strive to focus on producing the highest quality cattle to maximise returns for producers targeting both the domestic and export commercial markets.

Performance with Purpose seems a pretty good way to best describes Shorthorn cattle.

# SHORTHORN PERFORMANCE

*Aren't you tired of the lamb breeders bragging!*

The lamb industry is leaving us behind, with quoted rates of genetic gain, 2 times higher than the beef industry.

Understanding Maternal Heterosis holds your key to catching up.

We've all heard the figures, **23%** increase in production, but it sounds too good to be true. And what about the downside and will anyone want the progeny. It all seems too hard. It'll rain and the beef market will kick, right!!

**The 4 key points to understanding Heterosis and unlocking profit.**

## 1. Individual versus Maternal Heterosis.

So how do they get the **23%** figure?

Individual heterosis refers to the increase in performance from the cross bred individual and equates to approximately **8%**.

Maternal heterosis refers to the increase in performance from the cross bred female and equates to approximately **15%**.

Only maternal heterosis allows you to unlock the maximum profit.

Why is it so?

## 2. Heterosis and Heritability.

The lower the heritability of a trait the larger the amount of heterosis you get. It just works that way.

Mature weight and Carcass Quality are highly heritable. Weight gain and Milk are moderately heritable. Fertility and Maternal Capacity are low heritability traits and so they receive the greatest impact from Heterosis.

Trait	Heritability	Heterosis
Fertility, Mothering Ability, Calf Survival	Low	High
Birth Weight, growth, Milk	Moderate	Moderate
Carcass Traits	High	Low

## 3. Heterosis and Genetic gain.

By now you're thinking I have seen crossbred calves give more than an 8% increase. The extra difference is genetic gain. With carcass traits and mature cow weights highly heritable, it is important that the breeds you choose each carry a high genetic capacity for premium carcass performance and efficient maternal production. However, be careful of the downside to genetically extreme growth rates.

## 4. Breed Complementarity

What about the inconsistency issue?

This is where the last 3 come together. To capture the full effect you need to capture maternal heterosis AND genetic gain by using breeds that are **complementary** to each other. Breeds that are superior maternally but balance out each other's strengths combine enough similarity to reduce inconsistency but still capture maternal heterosis and genetic gain.

This is science, not marketing. Ask a lamb breeder, it really is that simple!

Shorthorn cattle are arguably the most complementary cattle in the world; they form the basis of over 40 breeds worldwide.

And they are in demand.

Shorthorn cattle are renowned for their carcass quality. In the MRC M112B project in Australia, 12,342 calves were fed; **Shorthorns finished No.1** for marbling and had the least variation in marble score of any breed. They also posted the highest ADG of any breed for backgrounding and feedlot gain.

Your current purebred system is good, right? No doubt, it's certainly easy, but with maternal efficiency having a low heritability, selection pressure alone takes a long time to impact it. Adding Shorthorn genetics, and breeding from the replacement females, will boost your production system like no other. You will wean more calves that will weigh heavier and are in demand. And you will do it more efficiently.

## **That's the science.**

So why doesn't everyone do it now?

Holmes and Sackett listed in their Southern Beef Situation Analysis 2014, that

“Crossbreeding systems have the potential to increase weaning weights by 23%. This is not well understood within the industry.”

The Shorthorn breed lives by the philosophy,

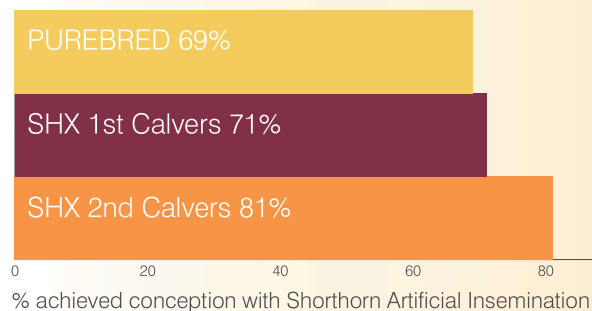
“That Shorthorn cattle are bred to solve problems, not create them.”

Shorthorn breeders are backed by the science and understand the need to unlock your profit through increased productivity and efficient production.

As one breeder found, using AI, the purebred Angus cows achieved 69% conception, the Shorthorn cross first calvers achieved 71% and the Shorthorn cross heifers achieved 81%.

They now turn off 500kg plus weaners at 12 – 14 months,

“With nothing to eat but what's in the paddock.”



As to the consistency issue, “We've found the cross really improves the temperament, do-ability and the capacity to turn off steers quickly. Even the tail enders made it easily.”

They currently enjoy nearly 100% compliance.

That's maternal heterosis and complementarity at work.

## HETEROSIS IMPROVES

- Calving Ease
- Fertility
- Kilograms weaned
- ADG
- Cow Longevity
- Lifetime Cow Productivity

## SHORTHORN COMPLEMENTARITY IMPROVES

- Maternal Efficiency
- ADG
- Market Suitability
- Consistency
- Marbling
- Temperament

With less dependence on HGP, the industry will require cattle that can meet specifications naturally, putting greater pressure onto breeders. And with MSA grading, cattle are being judged increasingly on performance, not breed, making it hard to hide behind coat colour rather than performance.

Using Shorthorn genetics to unlock maternal heterosis and complementarity provides you with the easiest and safest way to meet these challenges and increase margins.

*Improving your bottom line is what we are all about.*

Let's look at some other findings from the 2014 Southern Beef Situational Analysis

“There are widely acknowledged benefits to be gained by efficient use of cross breeding to capture hybrid vigour. The advantages of various cross breeding programs are well documented. Often though, these programs are discarded due to the complexity involved in some systems. Simple systems... of crossbreeding are effective in increasing productivity in herds with no change to costs.”

Simply complementing Shorthorn genetics with your existing program, and retaining the females, will allow you to capture maternal heterosis, genetic gain and retain capital value.

“The top 20% group...produce more kilograms of beef per hectare at a lower cost of production but sell at a similar price to the average.”

## TOTAL REVENUE = PRICE \* QUANTITY

So price received is important, but not the only precondition for your profitability.

Shorthorn genetics carry extremely consistent, premium carcass characteristics, allowing you to maintain performance within the top end markets.

However, how much you sell, and how much it cost you to produce it, are key determinants to unlocking greater profitability.

## NET INCOME = TOTAL REVENUE – TOTAL COSTS

“The variation in profits seen annually suggests that, for most beef producers, there is greater opportunity in improving efficiency within the enterprise than moving to another.”

We have a great opportunity within the beef industry to improve profitability; efficiently and simply.

Capturing Maternal Heterosis, by complementing your existing program with Shorthorn genetics, will impact your profitability positively, without increasing your risk, or complicating your production model.

Just ask a breeder who has already complemented their program with Shorthorns and ask them why they do it, they'll tell you.

*“We can't afford not to!”*



Shorthorn cross breeder at Devon Park, Victoria.

# Understanding IGS EPD'S

## UNDERSTANDING THE IGS EPD SUITE

### MATERNAL EPDS

**CALVING EASE DIRECT (CE-D):** Reported as the percentage of extra unassisted births in first calving heifers, relative to the average. CE-D is relative to the direct Calving Ease of the animal. Higher values are more favourable.

**CALVING EASE MATERNAL (CE-M):** Reported as the percentage of extra unassisted births in first calving heifers, relative to the average. CE-M is relative to the Calving Ease of the daughters of the animal. Higher values are more favourable.

**MILK:** Reported as pounds of weaning weight of progeny from the animals daughters, relative to the average. Predicts the difference in maternal production of daughters relative to milk production and mothering. Values are relative to the environment of the production system. Low input environments should be very conscious of introducing too much milk due to the increased nutrient requirements that it can place on cows.

**MATERNAL WEANING WEIGHT:** Reported as pounds of weaning weight of progeny from the animals daughters, relative to the average. This is a measure of weaning weight differences relative to the combined effects of growth and milk. Breeders who are not looking to change milk production should consider Total Maternal as the most relevant EPD for maternal weaning weights. Higher values are more favourable.

**STAYABILITY (STAY):** Reported as the differences in percentage of a sire's offspring that are predicted to still be in the herd at 6 years of age... given that they calved at 2, relative to the average. Stayability is a measure of reproductive longevity. Higher values are more favourable.

**DOCILITY:** Reported as the percentage of progeny, relative to the average, that will record a score of docile. Higher values are more favourable.

### GROWTH EPD'S

**BIRTH WEIGHT:** Reported in pounds of birth weight relative to the average. When selecting bulls to use on heifers, breeders should also focus on the Calving Ease EPD as Birthweight is already used in the Calving Ease EPD calculation.

**WEANING WEIGHT – ADJUSTED TO 205 DAYS:** Reported in pounds of weaning weight of direct progeny, relative to the average. Higher values are usually more favourable dependant on its relationship with birthweight.

**YEARLING WEIGHT – ADJUSTED TO 365 DAYS:** Reported in pounds of yearling weight of direct progeny, relative to the average. Higher values are usually more favourable dependant on its relationship with birthweight.

### CARCASE EPD'S – ADJUSTED TO 475 DAYS OF AGE.

**CARCASE WEIGHT:** Reported as pounds of Carcase Weight relative to the average. Higher values are usually more favourable, however this is relevant to each producers target market.

**RIB EYE AREA:** Reported as square inches relative to the average. Higher values are usually more favourable.

**FAT:** Reported as inches of back fat relative to the average. Higher values are usually more favourable, however this requires a balance between adequate doing ability in daughters and carcass fat thresholds for target markets.

**YIELD GRADE:** Reported as expected differences in progeny average USDA Yield Grade scores. Yield Grade is used to improve the yield potential of progeny and may seem a strange value for Australian animals. Whilst Australian animals will never receive a USDA graded Yield Grade score, they will also never receive an actual Retail Beef Yield % value either. However, US Shorthorns (including progeny of Australian sires used in the US) are USDA graded each year and so the pedigree linkages provide linkage to actual USDA Yield Grade values. Lower values are usually more favourable, however because of the negative correlations between fat and yield it is important to maintain some balance in the selection.

**MARBLE SCORE:** Reported as the differences in actual carcass marble scores relative to the average. This is different to IMF% which is used as an indicator trait in Marble Score. Higher values are more favourable.

### ALL PURPOSE \$INDEX – API

Though EPDs allow for the comparison of genetic levels for many economically important traits, they only provide a piece of the economic puzzle. That's where \$ Indexes come in. Through well conceived, rigorous mathematical computation, \$ Indexes blend EPD's and economics to estimate an animal's overall impact on your bottom line.

The All Purpose \$Index (API) evaluates sires for use on the entire cow herd, bred to both first-calf heifers and mature cows, with the portion of their daughters required to maintain herd size retained and the remaining heifers and steers put onto feed and marketed for both quality grade and yield.

### UNDERSTANDING ACCURACIES

BOLT EPD accuracies have experienced the most change, usually lowering numerically and especially for non-parent animals, however the reported accuracy will be more accurate. Accuracy refers to the amount a reported EPD can possibly change as more data is added. EPD values with higher accuracy result in less possible change for the value over time. More accurate accuracies better represent the amount of possible change for each EPD.

### SHORTHORN BREED AVERAGE EPD'S

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	7.8	2.9	53.1	81.9	25.0	5.6	51.5	12.9	10.8	4.3	0.38	-0.080	-0.03	-0.34	109.30

# SHORTHORN REFERENCE SIRES

## REFERENCE SIRE: LIBERTY QUARTERBACK Y1K Q21 (Red) *Homozygous Poll*



ID: Y1K Q21      DOB: 25/07/2019  
 SIRE: STATUE HILL MARSHALL (CACM12)  
 DAM: LIBERTY NEW ORLEANS (Y1KN5)

**COMMENTS:** Quarterback is breeding particularly well for us here at Liberty and is producing progeny with everything we are looking for in our Shorthorn breeding program. His progeny, are very docile and show his great carcass attributes. He is as long as a train, big hipped, wide backed, deep flanked and has tremendous carcass merit with a great sires outlook. He has proven performance in his pedigree with Spry's IMF's Legend, Patent's Ace and Crathes Hasting he has added performance through EPD's, ranked top 30% for calving ease along with top 20% for Rib Eye Area.

### EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	9.2	3.0	50.9	81.2	15.3	4.7	40.8	11.8	7.5	7.2	0.51	-0.102	-0.24	-0.43	97.13
Acc.	40%	45%	40%	40%	10%	18%	20%	26%	11%	33%	34%	27%	31%	27%	
RANK	30%	50%	60%	55%	100%	70%	100%	70%	90%	40%	20%	95%	100%	10%	90%

## REFERENCE SIRE: BAYVIEW ARCHER M15 (Red) *Homozygous Poll*



ID: HT M15      DOB: 8/04/2016  
 SIRE: ROYALLA QUANTICO J011 (P) (JSNJ011)  
 DAM: BAYVIEW MISS BEAUTY G72 (P) (HT G72)

**COMMENTS:** We secured Archer semen as he presented as an outcross sire for us and looked a really good bull phenotypically. His length of body, muscle shape and structure along with his outstanding data encouraged our decision. Incredibly with 11 out of the 15 traits recorded Archer, ranks in the top 25% and better, for low birth weight, high growth, calving ease, EMA, Fat and Marbling with the added benefit he is homozygous poll.

### EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	15.6	-0.3	61.9	99.2	27.4	10.1	58.4	13.5	13.0	7.5	0.51	-0.072	0.55	-0.35	162.54
Acc.	54%	71%	65%	66%	22%	29%	36%	30%	41%	47%	44%	35%	43%	36%	
RANK	2%	4%	15%	10%	30%	3%	15%	45%	25%	35%	20%	25%	1%	50%	1%

## REFERENCE SIRE: SPRYS GOLDEN ROD P39 (Red) *Homozygous Poll*



ID: GLSP39      DOB: 24/06/2018  
 SIRE: JSF GOLDENROD 57U (MUSA414922)  
 DAM: SPRYS MISS BUDDY M36 (GLSM36)

**COMMENTS:** We secured semen in Golden Rod as we were very impressed with his good calving ease, birth weight and milk EPD's yet he still showed adequate growth traits. He has been described as having an outstanding phenotype, very well balanced with excellent structure, great disposition and feet, coupled with a very good set of EPD data, we had no hesitation using him as a calving ease sire. He was the top priced \$30,000 bull at the Sprys 2020 sale.

### EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	12.4	-0.2	58.6	86.9	33.2	5.0	62.5	15.7	17.2	22.0	0.52	-0.106	-0.10	-0.38	124.15
Acc.	56%	67%	61%	59%	18%	27%	32%	31%	52%	46%	43%	33%	44%	35%	
RANK	10%	5%	25%	35%	3%	65%	5%	15%	4%	4%	15%	100%	75%	25%	15%

**LOT: 43**

**LIBERTY SALVADOR S43**



**ID:** Y1KS43

**DOB:** 9/8/2021    **AGE:** 19 Mths

**VENDOR:** LIBERTY SHORTHORN STUD

**COMMENTS:**

Our only spring drop Shorthorn bull offered in this years sale who is sired by our home bred bull; Quarterback.

This fellow always stands out. He has presence, a great head and sires outlook. He is extremely well put together - a deep flaked, smooth and soft homozygous poll bull.

**Homozygous Polled**

STATUE HILL MARSHALL (CACM12)

**SIRE:** LIBERTY QUARTERBACK (Y1KQ21)

LIBERTY NEW ORLEANS (Y1KN5)

SPRYS ADVANCER A114 (GLSA114)

**DAM:** CRATHES JUDITH G76 (TCPG76)

CRATHES JUDITH 2ND (TCPD17)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	7.2	3.6	48.6	77.4	17.5	5.1	41.8	11.0	8.4	-7.8	0.44	-0.088	-0.28	-0.43	88.53
Acc.	34%	38%	35%	36%	10%	14%	18%	24%	5%	33%	31%	26%	31%	26%	-
RANK	55%	65%	75%	65%	95%	60%	95%	80%	80%	95%	35%	70%	100%	5%	100%

Buyer / \$:

**LOT: 44**

**LIBERTY TOP QUALITY T3**



**ID:** Y1KT3

**DOB:** 13/2/2022

**VENDOR:** LIBERTY SHORTHORN STUD

**COMMENTS:**

Stud sire potential here in this Goldenrod son.

Break him down and from what ever direction, he's made right. A good strong head, wide topped, deep flanked and soft.

**Homozygous Polled**

JSF GOLDENROD 57U (MUSA414922)

**SIRE:** SPRYS GOLDENROD P39 (GLSP39)

SPRYS MISS BUDDY M36 (GLSM36)

LIBERTY PAC-MAN (Y1KP4)

**DAM:** LIBERTY RED DOLL (Y1KR17)

LIBERTY PAPERDOLL (Y1KP2)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	8.2	1.0	55.3	84.1	29.7	5.2	57.4	10.4	11.8	12.0	0.72	-0.110	0.03	-0.49	112.96
Acc.	40%	43%	40%	39%	9%	17%	19%	26%	33%	34%	32%	25%	31%	26%	-
RANK	45%	15%	40%	45%	15%	60%	20%	85%	40%	20%	2%	100%	30%	1%	40%

Buyer / \$:

**LOT: 45****LIBERTY TRADEMARK T32****ID:** Y1KT32**DOB:** 22/3/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

We just love the job Quarterback is doing in our herd, his progeny have really good carcass attributes, thickness, depth of body with plenty of softness and great dispositions, homozygous poll to boot and this fellow in no exception.

Homozygous  
Polled

STATUE HILL MARSHALL (CACM12)

**SIRE:** LIBERTY QUARTERBACK (Y1KQ21)

LIBERTY NEW ORLEANS (Y1KN5)

CRATHES LOMBARD L34 (TCPL34)

**DAM:** LIBERTY PUSS IN BOOTS (Y1KP9)

NARRALDA LAURA L017 (TV4L017)

## EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	5.8	4.5	61.2	92.2	20.7	2.9	51.3	14.0	8.9	11.6	0.55	-0.090	-0.09	-0.39	105.83
Acc.	36%	40%	37%	37%	10%	15%	19%	24%	6%	32%	31%	25%	28%	25%	-
RANK	75%	85%	20%	20%	85%	90%	55%	35%	75%	25%	10%	75%	70%	20%	60%

Buyer / \$:

**LOT: 46****LIBERTY THE BOSS T37****ID:** Y1KT37**DOB:** 3/4/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

We have admired this bull from a calf and his Dam is one of our best.

Quarterback has added plenty of good carcass shape and quality in his sons, look at the power in this bull.

Homozygous  
Polled

STATUE HILL MARSHALL (CACM12)

**SIRE:** LIBERTY QUARTERBACK (Y1KQ21)

LIBERTY NEW ORLEANS (Y1KN5)

THE GROVE GIGABYTES J0837 (PHABDBJ0837)

**DAM:** LIBERTY PRETTY IN PINK (Y1KP6)

SPRYS TIDE RIPS FRANCES H179 (GLSH179)

## EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	5.8	4.5	54.6	87.4	21.4	5.3	48.7	13.9	2.6	8.0	0.46	-0.091	-0.16	-0.38	100.26
Acc.	37%	42%	39%	38%	10%	16%	20%	26%	8%	33%	32%	26%	29%	26%	-
RANK	75%	85%	45%	35%	85%	55%	70%	40%	100%	35%	30%	80%	90%	25%	80%

Buyer / \$:

**LOT: 47****LIBERTY TENNESSE STUD T31****ID:** Y1KT31**DOB:** 19/3/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

Another quality young Quarterback son which displays all the aspects we are looking for in our Shorthorn program.

Moderate frame, good carcass traits, width throughout, softness, docility and homozygous poll.

**Homozygous Polled**

STATUE HILL MARSHALL (CACM12)

**SIRE:** LIBERTY QUARTERBACK (Y1KQ21)

LIBERTY NEW ORLEANS (Y1KN5)

CRATHES LAYTON L42 (TCPL42)

**DAM:** NARRALDA THELMA120 (TV4P120)

NARRALDA THELMA D035 (TV4D035)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	11.8	1.5	42.8	68.8	18.3	7.2	39.7	19.0	9.3	3.8	0.23	-0.090	-0.04	-0.32	124.98
Acc.	35%	39%	35%	36%	8%	14%	17%	24%	5%	31%	30%	26%	28%	25%	-
RANK	15%	20%	95%	90%	95%	20%	100%	2%	75%	50%	90%	75%	50%	70%	10%

**Buyer / \$:****LOT: 48****LIBERTY T.N.T T25****ID:** Y1KT25**DOB:** 3/3/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

A really good Shorthorn bull here, he has so much carcass shape and style about him.

He is ranked in the top 20% for birth weight and yearling weight EPD's along with top 20% for weaning weight.

**Homozygous Polled**

YAMBURGAN ZEUS H140 (YY H140)

**SIRE:** LIBERTY ROSCO (Y1KR2)

NARRALDA PATSY072 (TV4P072)

CROOKED POST STOCKMAN 4Z (MCAN476682)

**DAM:** LIBERTY ROSNAREE (Y1KR1)

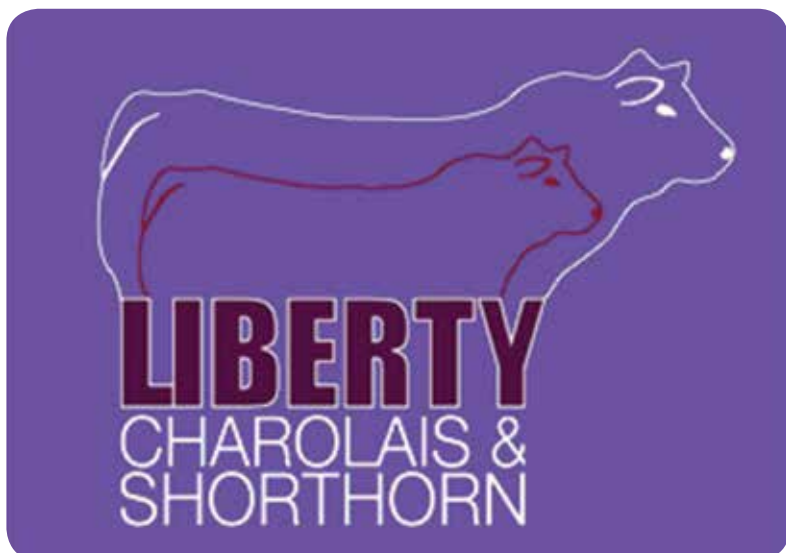
LIBERTY PROMENADE (Y1KP16)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	9.8	1.2	59.5	93.4	32.5	5.9	62.3	8.4	14.5	-3.1	0.26	-0.099	-0.19	-0.38	100.36
Acc.	37%	42%	38%	37%	9%	17%	19%	25%	12%	32%	30%	25%	30%	25%	-
RANK	25%	20%	25%	20%	5%	45%	5%	95%	15%	80%	85%	95%	95%	25%	80%

**Buyer / \$:**



**LOT: 49****LIBERTY TRANSFORMER T24****ID:** Y1KT24**DOB:** 5/3/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

The only Boom Time son in this years sale line-up.

A bull with a lot of length, depth and plenty of softness about him.

MURIDALE THERMAL ENERGY 15A (MCAN477341)

**SIRE:** SPRYS BOOM TIME M222 (GLSM222)  
SPRYS PATENTS CHERRY J90 (GLSJ90)

CROOKED POST STOCKMAN 4Z (MCAN476682)

**DAM:** LIBERTY QUEEN OF THE WEST (Y1KQ5)  
CRATHES ENIA M9 (TCPM9)

## EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	8.3	3.3	56.7	87.3	22.6	5.7	51.0	12.9	16.4	9.3	0.40	-0.074	0.03	-0.31	113.55
Acc.	40%	46%	43%	42%	13%	19%	23%	26%	33%	35%	34%	28%	34%	28%	-
RANK	40%	60%	35%	35%	75%	50%	55%	50%	10%	30%	45%	30%	30%	75%	35%

Buyer / \$:

**LOT: 50****LIBERTY TOPGUN T16****ID:** Y1KT16**DOB:** 26/2/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

A Trigger son with plenty of carcass merit and possibly the deepest sided shorthorn on offer.

He shows tremendous growth and carcass EPD's, top 5% for fat, 10% carcass, 15% for yearling weight and 20% for weaning weights all combine with some great parentage.

ROYALLA QUANTUM J392 (JSNJ392)

**SIRE:** ROYALLA TRIGGER M246 (JSNM246)  
ROYALLA MELODY 8366L (JSNDL366)

CRATHES PLUSHS ADVANCER J63 (TCPJ63)

**DAM:** CRATHES PORTIA L19 (TCPL19)  
CRATHES PORTIA J10 (TCPJ10)

## EPD's

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	4.7	5.2	59.8	96.8	25.8	3.8	55.7	15.0	12.0	18.0	0.43	-0.053	-0.20	-0.23	98.81
Acc.	39%	45%	40%	39%	9%	15%	19%	24%	28%	34%	32%	26%	32%	26%	-
RANK	90%	95%	20%	15%	45%	85%	25%	25%	40%	10%	35%	5%	95%	100%	85%

Buyer / \$:

**LOT: 51****LIBERTY TOUCHDOWN T13****ID:** Y1KT13**DOB:** 24/2/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

If you're looking for a dark red bull here he is.

He's as long as a train, deep hearted strong topped, sound footed and a really handy type.

SPRYS GRAND SLAM L10 (91/02716)

**SIRE:** SPRYS GRANDSLAM Q23 (95/05832)

SPRYS ENTICERS LILY (90/04393)

CRATHES EDITION (TCPE71)

**DAM:** NARRALDA ROBIN L165 (TV4L165)

NARRALDA ROBIN C138 (TV4C138)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	2.0	5.4	48.9	70.3	16.8	1.4	41.3	11.6	12.0	-4.0	0.33	-0.096	0.02	-0.40	94.76
Acc.	41%	46%	42%	41%	22%	22%	29%	29%	7%	37%	37%	30%	36%	30%	-
RANK	100%	95%	70%	85%	100%	100%	95%	70%	40%	85%	65%	90%	35%	15%	95%

**Buyer / \$:****LOT: 52****LIBERTY THRILLER T9****ID:** Y1KT9**DOB:** 20/2/2022**VENDOR:** LIBERTY SHORTHORN STUD**COMMENTS:**

An outcross Archer son for WA.

A long bodied deep ribbed bull in the top 1% of breed for marbling, top 25% for calving ease, weaning and yearling weights. An honest all rounder.

**Homozygous Polled**

ROYALLA QUANTICO J011 (JSNJ011)

**SIRE:** BAYVIEW ARCHER M15 (HT M15)

BAYVIEW MISS BEAUTY G72 (HT G72)

CRATHES KEATING (TCPK76)

**DAM:** NARRALDA YVONNE Q076 (TV4Q076)

NARRALDA YVONNE F47 (TV4F47)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	9.9	3.0	59.1	90.4	22.5	5.9	52.1	10.0	13.3	8.2	0.35	-0.089	0.33	-0.34	128.22
Acc.	39%	46%	41%	41%	11%	18%	21%	25%	30%	35%	32%	28%	31%	27%	-
RANK	25%	50%	25%	25%	75%	45%	50%	90%	25%	35%	60%	75%	1%	60%	10%

**Buyer / \$:**

**LOT: 53**

**LIBERTY TRAVELLAR T17**



**Homozygous Polled**

**ID:** Y1KT17

**DOB:** 26/2/2022

**VENDOR:** LIBERTY SHORTHORN STUD

**COMMENTS:**

A super handy All Gold son, showing plenty of thickness throughout, strong topped, big girthed and everything in all the right places.

He sits in the top 10% for yearling weight, 15% for weaning weight, 25% for milk, 15 % for carcass and 5% for Rib Eye Area, EPD's in the breed.

SPRYS AUSSIE GOLD B086 (GLSB086)

**SIRE:** SPRYS ALL GOLD D052 (GLSD052)

NEEARRA JUDITH 104 (M9XZ57)

THE GROVE GIGABYTES J0837 (PHABDBJ0837)

**DAM:** LIBERTY NEW TOWN GIRL (Y1KN10)

CRATHES TESSA L18 (TCPL18)

**EPD's**

	CE	BW	WW	YW	Milk	MCE	MWWT	Stay	DOC	CWT	REA	FAT	MARB	YG	API\$
EPD	5.6	3.1	62.1	100.9	28.6	5.3	59.7	11.4	8.6	15.6	0.65	-0.113	-0.01	-0.47	109.51
Acc.	40%	47%	43%	43%	19%	23%	27%	30%	34%	38%	36%	29%	34%	30%	-
RANK	80%	55%	15%	10%	25%	55%	10%	75%	80%	15%	4%	100%	40%	2%	50%

**Buyer / \$:**

**END OF SALE**



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# **LIBERTY**

**CHAROLAIS & SHORTHORNS**

**Thank you for your interest in our  
2023 Yearling Bull Sale.**



**We look forward to seeing  
you again next year.**



# Buyers Instruction Slip

Please complete and hand to Office staff to verify prior to livestock being moved.

Trading Name: .....

Address: .....

Property Address: .....

Mobile phone: .....

Lots Purchased: .....

## Delivery Instructions

Carrier: ..... Contacted: Yes / No

When: ..... Expected pick-up time: .....

Returning to Vendors property: Yes / No

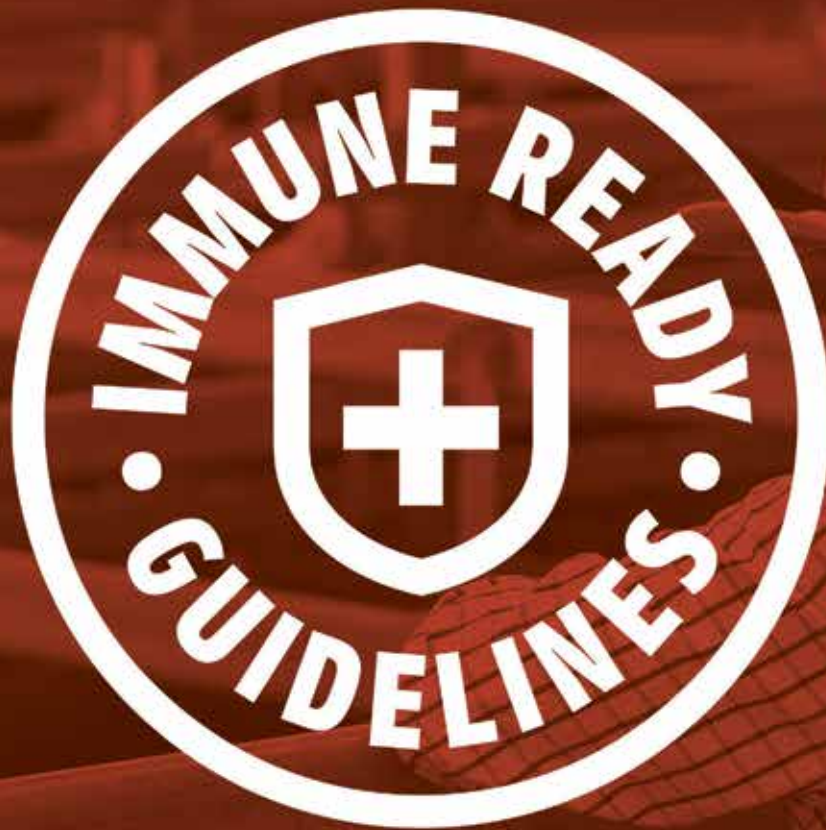
*(please draw a map on page provided if necessary – will be handed to the carrier)*

## Insurance Required – Yes / No

Who: ..... Contacted: Yes / No

Period to be insured: 3 months / 6 months / 12 months / other

Signature: .....



# LOOK FOR THE SIGN BUY WITH CONFIDENCE

All bulls in this sale have been vaccinated for clostridial diseases, leptospirosis, pestivirus, vibriosis and infectious bovine rhinotracheitis (IBR). They have also been tested for pestivirus and are not persistently infected.

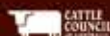
Other regionally important vaccines may have also been administered to enhance protection.

A National Cattle Health Declaration will be provided.



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Immune Ready Guidelines

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