



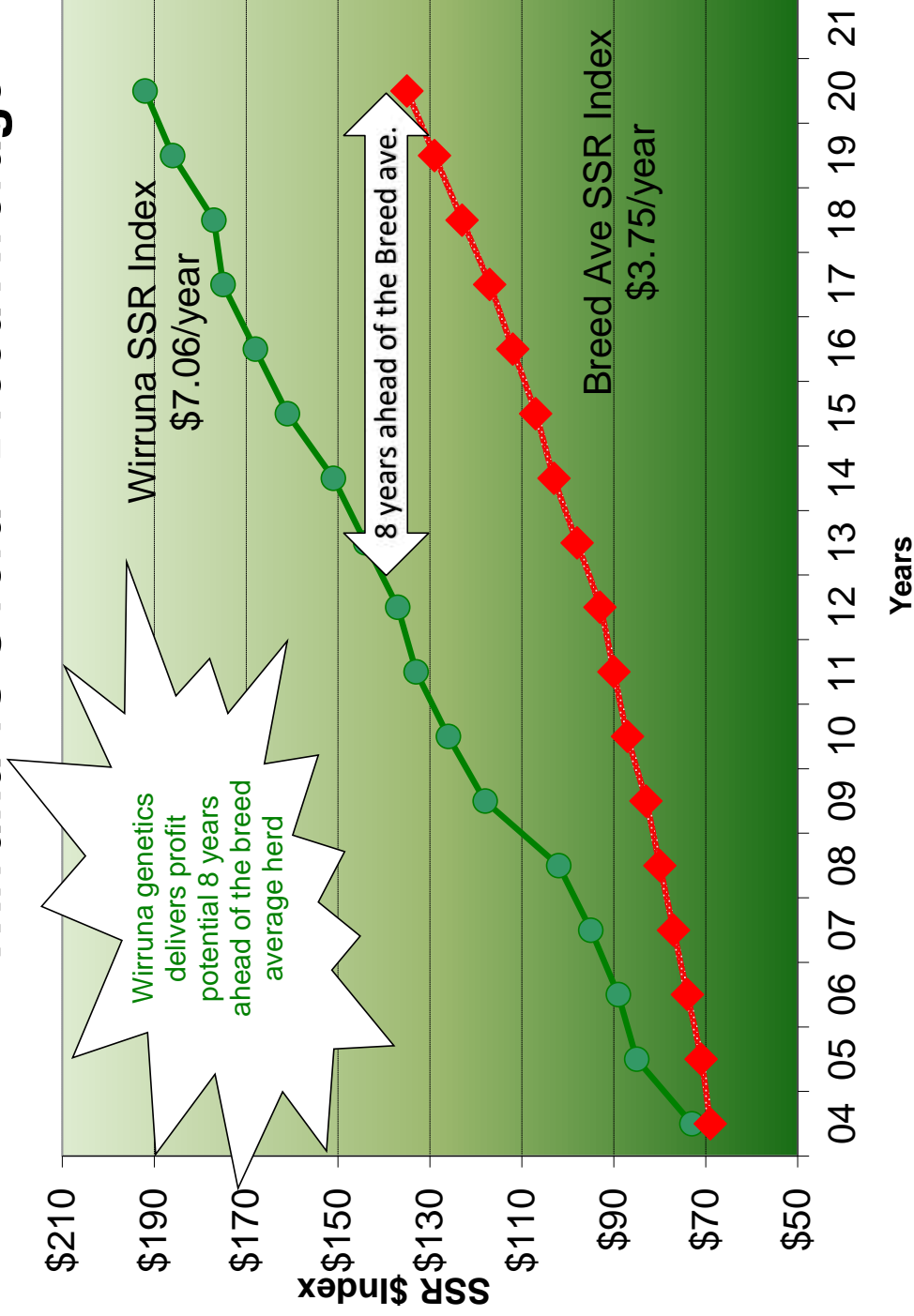
WIRRUNA
poll herefords

Spring Bull & Female Sale

USING THE HELMSMAN
BUYING SYSTEM

Wednesday, August 25, 2021

Genetic trends - Southern Self Replacing Wirruna vs Overall Breed Average





Spring Bull & Female Sale

Offering....

63 x Poll Hereford Bulls

12 x PTIC Breeders as Individual Lots

22 x PTIC Breeders as Group Lots

USING THE HELMSMAN BUYING SYSTEM

To be held undercover at
"Spring Valley" Holbrook NSW

Wednesday, 25th August, 2021

INSPECTION FROM 10.00 AM - AUCTION: BULLS 1.00 PM

Ian & Diana Locke Ph: (02) 6036 2877
 Fax: (02) 6036 3060
 Mob: (0408) 637 267
 Email: ian@wirruna.com

Chris Callow
Callow Livestock

Mob: (0429) 497 166
Email: callowlivestock@bigpond.com

Sale agent - John Atkins



Ph: (02) 6026 4207
Mob: (0428) 690 267
Email: atkinsak@bigpond.com

Transport Co-ordinator - Joe Wilton

Ph: (02) 6027 3125
Mob: (0408) 739 559

TELEPHONE BIDDING 1.00 PM

Sale shed mobile 1 (0408) 637 267
Sale shed mobile 2 (0429) 362 559
Sale shed mobile 3 (0419) 263 205



Please bring this catalogue to the sale to be sure of having one.

CONTENTS

	<i>Page</i>
Genetic Audit of Wirruna Herd	4
Mission Statement & Breeding Objective	8
Sale Arrangements	9
The Helmsman Auction System	10
Using Performance Information	11
A Guide to Heifer Bull Selection	13
Using Selection Indices	14
Percentile Table for Animals Born 2019	15
Structural Assessment Information	16
Genomics at Wirruna	18
The Wirruna Guarantee	19
Reference Sires	20
Sale Bulls	
• Wirruna sires – Lot 1 to 6	22
• Growth bulls – Lot 7 to 19	30
• Muscle bulls – Lot 20 to 32	44
• Specialist heifer bulls – Lot 33 to 50	64
• Good herd bulls – Lot 51 to 63	83
Sale Females	
• 12 Stud Heifers PTIC – Lot 64 to 75	97
• Registered 2yr Females PTIC - Group Lots 76 & 77	109
• Performance Recorded 2yr Females PTIC - Group Lot 78	110
Buyers Instruction Slip	112
Helmsman Selections	114



WIRRUNA
poll herefords

Spring 2021 Sale

We do appreciate your interest in our Spring Bull & Female sale. Along with our Autumn sale, you have the opportunity to tap into breed leading genetics and services offered at Wirruna. A genetic program recognized as one of the most disciplined breeding programs in the country focused on helping commercial beef producers improve their beef herd profitability.

The 63 'Q' bulls offered in this sale are 24 months old. They are grassfed, independently assessed for fertility and structure and are ready to work in your herds. As usual, this catalogue includes a complete set of performance, fertility and structural information as you have come to expect from Wirruna Poll Herefords.. This sale also includes an offering of breeding females, all preg tested in calf

The following graphs included in this catalogue provide a genetic audit of the Wirruna herd. They compare our genetics to the breed as a whole for the last 20 years. These graphs clearly demonstrate the genetic focus of the Wirruna program. You will notice that we do not partake in an EBV race for the highest growing animals, instead we focus on keeping birth weights low (& calving ease high) and pushing early growth from that low base. Likewise we do not like to see high mature cow weights as we need to run low cost, moderately sized cows that do not look and consume grass like draft horses. In a high production system with tight calving periods, large frame cows typically fail to rejoin, particularly when times get tough!

Calving ease at Wirruna is very good with all 2019 born calves averaging in the top 25% of the breed. For the early growth traits, Wirruna average in the top 25%. I also refer you to the carcass traits where the calves average in the top 10% for muscling (EMA) and top 5% for marbling (IMF%) which has proven meat quality advantages and Wirruna is the leading marbling herd of the breed. Wirruna bulls have long held an advantage in carcass traits.

The structural evaluation and scanning for carcass traits has been done by Liam Cardile from Beef Excel. A full breeding soundness evaluation, including semen morphology is undertaken by vets from Holbrook Vet Centre. Wirruna also undertake a serving ability test of all sale bulls.

It is likely that COVID19 restrictions will remain in place for this sale and we will be looking to abide by the NSW government guidelines at the time. To assist you in making your bull selections, an on-line video of sale bulls is available on the Wirruna website (www.wirruna.com) allowing you to preview individual lots and better prepare your selections for sale day.

We hope you will be able to come and enjoy our sale day or if not, operate remotely on AuctionsPlus. Please let us know if we can be of any assistance in making your selections.

The Locke Family

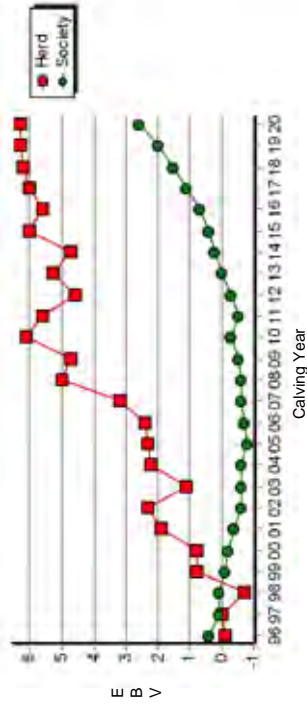


GENETIC AUDIT OF WIRRUNA HERD

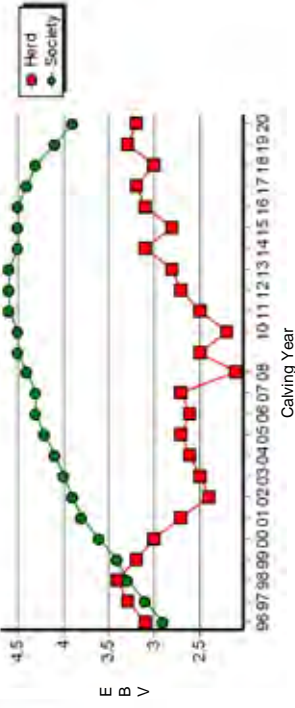
June 2021 Hereford BREEDPLAN

Graphs of Herd Compared with Breed Genetic Trends

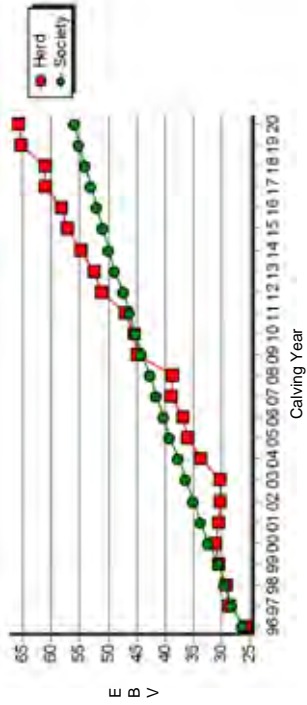
Calving Ease Dir (%)



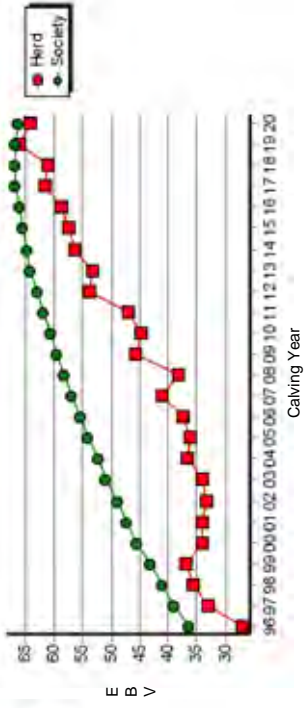
Birth Weight (kg)



400 Day Weight (kg)



Mature Weight (kg)



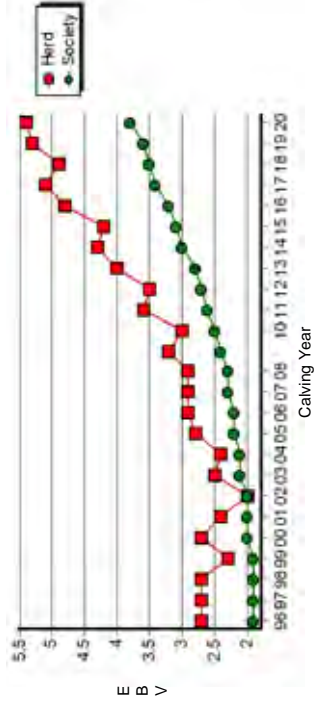


GENETIC AUDIT OF WIRRUNA HERD

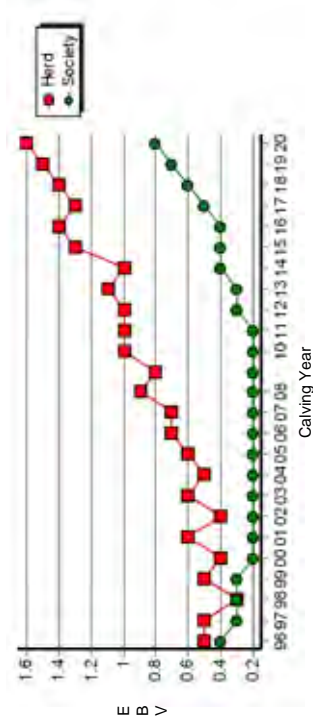
June 2021 Hereford BREEDPLAN

Graphs of Herd Compared with Breed Genetic Trends

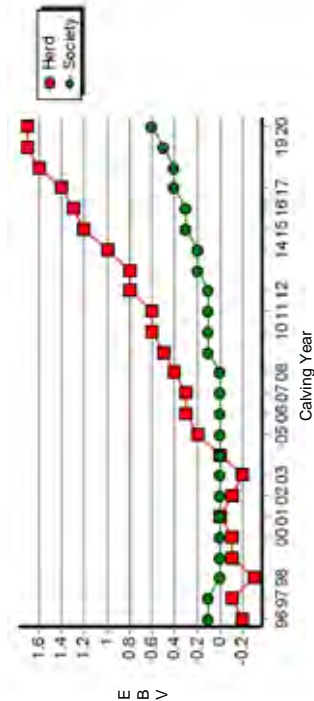
Carcass EMA (sq.cm)



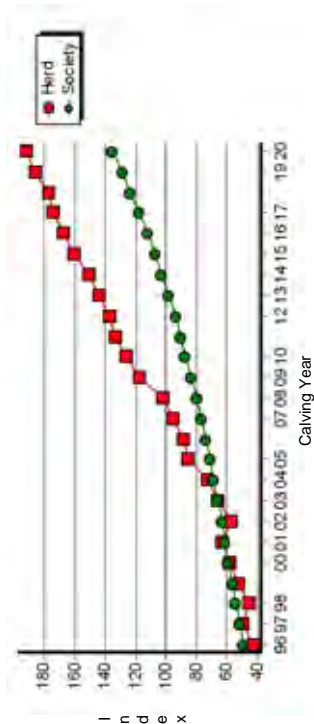
Carcass Rib Fat (mm)



Carcass IMF (%)



Southern Self-Replacing (\$)





WIRRUNA
poll herefords

To assist you in making the correct selection for your herd, please note...

- **No** lots have been hoof trimmed or assisted at birth.
- **All bull lots** are genomically tested, full parent verified and free of known genetic diseases.
- **All bulls are up to date with Vibrio, Pestivirus and 7 in 1 vaccinations. Additionally, all lots are individually tested negative as pestivirus carriers.**
- All bulls have been examined for **structural soundness** and **muscle scores** have been assessed by Liam Cardile of Beef Excel on June 18, 2021.
- All bulls were also assessed for **fertility** by Vets of the Holbrook Veterinary Centre including:
 - VET Reproductive health/Fertility examination
 - SEMEN Progressive Motility % (PM% Minimum standard >30%)
 - SPERM Normal Morphology % (NM% Minimum standard >70%)
 - Serving ability
- The ultrasonic scanning for **fat depth, eye muscle area** and **intra-muscular fat** was done September 29, 2020 (at 13 months) by Liam Cardile (*Accreditation Status No. 1033*).
- **Level of Feed Supplementation.** All 100% grass-fed for the 2 months leading up to sale.
- A quick reference list of all sale bull EBV's is summarised in the middle of this catalogue, along with the average EBV's for animals born in 2019.
- A whole farm Biosecurity Plan is in place overseen by Vets of the Holbrook Veterinary Centre. This can be made available for inspection upon request. Wirruna Poll Herefords maintain the highest herd health status with regards to Johnes Disease (J-BAS 8) and necessary herd testing to retain access to all states, including WA.
- **Transfer of Registration.** Bulls are registered with the Herefords Australia Ltd and the transfer of registration can be arranged by request of the purchaser. Lots not registered are clearly identified.
- **NLIS.** As a client service Wirruna will transfer the NLIS tag to your PIC following delivery. Please provide your PIC.



COMPLETENESS OF PERFORMANCE



Wirruna Poll Herefords
★★★★★
'5' STAR BREEDPLAN RECORDER

The 'Completeness of Performance' herd rating system has recently been introduced to assess the quantity of pedigree and performance information that has been submitted to BREEDPLAN by individual seedstock herds. A simple 1 to 5 scale star rating is calculated based on the proportion of calves and number of performance traits recorded. Herds with a '5' star rating are considered to be gold standard and are recording 'complete' performance information.



Quality Beyond Genetics

The *Wirruna Poll Hereford* herd has come a long way since it was founded in 1949. When Richard Locke succeeded his father as principal of the stud in the early 1970's, he was frustrated by the stud industry's concentration on showing cattle rather than being aligned to the needs of commercial cattleman. Although *Wirruna* cattle achieved notable success in the 'show ring', the stud made fundamental change in direction in 1972 to Performance Testing focused on selecting a herd based on high performance and high fertility under commercial (grass-fed) stress conditions.

Today's cow herd at *Wirruna* comprises 600 registered females and is the result of decades of careful trait selection for improved milk, carcase performance and growth rate, without substantial increases in birth weight and with no compromise to temperament, structural soundness & fertility. With selection for fertility being our highest priority, we continue to screen out animals that do not perform under high stocking rate pressure, well above district average. Every cow that exists in the *Wirruna* herd does so because she had a live calf at 2 years old (resulting from a 6 week joining) and has continued to raise a live calf through to weaning every year with no exceptions and no favourites.

The quality inherent in a *Wirruna Bull* is a result of being a product of this exceptional cow herd. Our history of over 70 years selection and over 16,000 animals recorded on Group Breedplan give clients confidence that *Wirruna Bulls* are accurately described and offer reliable and predictable performance that will meet their breeding objectives. All sale bulls are serving ability tested and examined by an independent veterinarian for structural and breeding soundness.

Wirruna believes that modern seedstock production goes beyond just good genetics. Seedstock producers must focus on servicing a wide range of client needs that extends well before and well after the point of sale. *Wirruna* offer an unequalled guarantee, are tested free (J-BAS 8) for Johne's Disease, subscribe to the Seedstock Producers Code of Practice and offer a level of client and back-up service that helped us to be named the **1995 National Seedstock Producer of the Year, and more recently, the 2002 NSW Seedstock Producer of the Year**. Quality assurance is important to us and complements our commitment to offering a quality product.

We are dedicated to seedstock excellence.

The Locke Family

MISSION STATEMENT

"Wirruna is dedicated to seedstock excellence. Our 'Quality Beyond Genetics' approach is to provide fully described & predictable genetics, genuine back-up service and add-on client services aimed at helping clients to achieve long term beef herd profitability."

WIRRUNA BREEDING OBJECTIVE

"Wirruna's breeding objective is to breed Bulls that are fully described and have the genetic & physical ability to meet market specifications and breeding objectives of the client. Keeping in mind that a balance is required where the female portion of the progeny are required to be highly fertile and efficient."

The major strategies to achieve this objective are listed as follows:

- The Wirruna herd should be a role model for profitable commercial beef herds in southern, higher rainfall zones of Australia. With emphasis on fertility, the cow herd, under high stocking rates will set optimum productivity levels based on per hectare, rather than per head parameters to promote efficient low maintenance cattle.
- Cattle to be run under strict commercial stress conditions with no grain feeding for production.
- Produce cattle of moderate birth weight with optimum growth, carcase quality and muscularity that meet market specifications.
- Performance test to accurately describe growth, carcase and fertility traits.
- Maintain inherent structural soundness and docility.
- Endeavour to reduce the risk of product failure to the Bull buying client.
- Strive to make the bull sale a beginning of a relationship,not the end of one.

*Quality:
"Fitness for Purpose"*

SALE ARRANGEMENTS

- GST:** The auction will be conducted on a GST exclusive basis. **GST will be added to the sale price.**
- Settlement:** You may elect to settle immediately after the sale or through your agent. Unless prior arrangements have been agreed with the vendor, **purchased bulls will not be available for delivery until payment is made.**
- Transport:** Daily flight services to Albury & Wagga Wagga. Holbrook also has an all weather strip.
- Accommodation:** Excellent accommodation is available in Holbrook and Albury.
- Catering:** A light lunch will be available.
- Delivery:** Unless prior arrangement has been made with the vendors, cattle may remain at "Spring Valley" for no longer than one week from the date of sale - in all cases, every care would be taken, but the risk remains with the purchaser. Cattle purchased for interstate destinations will be held free of charge until regulation tests have been completed. Insurance facilities will be available.
- Agents Commission:** We encourage successful bidders to settle with us on the day. A rebate of 6% will be paid to all agents who attend the sale with or on behalf of their clients. A rebate of 1% will be paid to all agents introducing clients, but do not attend the sale. Introductions should be in writing, fax or email sent to the vendors at least 12 hours prior to the sale.
- Guarantees:** All bulls are sold on a credit or money-back guarantee. This condition is valid only for a period of **twelve months** after date of sale and the vendor receives notification of infertility, not caused by injury, together with a certificate from a registered veterinarian on or before that date. All bulls, for which claims are made under these guarantees, are to be delivered free of charge by the purchaser to any place mutually agreed upon. More information on the Wirruna Guarantee is provided on page 19.
- Cattle would be free to go to all states of Australia subject to the necessary tests required by the State of destination. Should any animal fail to pass a required test the purchaser shall have the right to either cancel the sale or have a replacement animal made available.

QUALITY ASSURANCE



HELMSMAN – A CLIENT FRIENDLY BUYING SYSTEM

An alternative to the traditional stud auctions is the Helmsman buying system. First used at the "Helm View" Sale in March, 1990, the design arose out of concerns that the traditional auction system served the needs of agents and vendors well but neglected the needs of bull buyers, "the customers".

It combines the best features of both the auction system and sale by private treaty: you get first pick and pay market value without any pressure:

1. Prospective buyers need to **register prior** to the start of the sale, indicating their trading details and whether or not they have been introduced by an agent. Each is given a buyer number.
2. The sale cattle are on display as usual, with all relevant Breedplan, fertility and carcass information present in your catalogue.
3. When the sale commences, all sale lots are on the market simultaneously. You may bid on any lot, regardless of lot number. You can also bid on multiple lots at once. A large, easy-to-read board will be located nearby, displaying lot number, buyer number and bid value (or Reserve Price). This allows you to see at a glance whether your bid still stands or has been overbid.
4. Bids are written on a card and presented to a "runner", and the board is up-dated. A "Sale Presenter" will announce each bid as it is recorded.
5. You may open bidding on any bull at its reserve price and further bids in multiples of the minimum bid amount will be accepted. Minimum bid amounts are:
 - Bull lots \$1,000
 - Individual female lots \$250
 - Group female lots \$50
6. A bid once submitted and recorded cannot be retracted, and the person submitting such bid will be responsible for it until it is overbid.
7. All cattle are for sale simultaneously for a period of 20 minutes. Further bidding will then result in one minute extensions until a full one minute "no bid" period which will conclude the sale.
8. The sale is interfaced with AuctionsPlus with the Helmsman system meshing perfectly with the simultaneous on-line auction in real time. Remote & on-site bidding is available via your computer, ipad or smart phone. For those not able to attend the sale, you should register within 24 hours prior to the sale in order to bid www.auctionsplus.com.au or Phone 02 9262 4222.
9. In an effort to help the sale reach a timely conclusion, Warruna Poll Herefords reserves the right to double the minimum bid amount once the sale has been running for 1.5 hours. The option would be announced by the sale commentator and would also include the minimum bid amounts on AuctionsPlus.



THE BENEFITS

1. You have more time to consider lodging a bid. You can place genuine bids on any bull of your choice at any time during the sale period.
2. You have the opportunity to re-assess each lot during the sale period and move freely between one lot and another depending on what you could afford without any pressure to make an instant decision.
3. You take home the cattle you want, irrespective of lot order.
4. If you need more than one bull, Helmsman gives you a better chance to average your purchase costs.
5. There is a better opportunity to arrange the shared purchases of a lot if your budget is exceeded.

USING PERFORMANCE INFORMATION

Wirruna Poll Hereford Stud was a foundation member of the **National Beef Recording Scheme** in 1972 and has over 16,000 cattle recorded on **Breedplan**.

Breedplan is a performance evaluation program that describes the genetic profile of an animal for a number of commercially important traits. An estimate of the animals 'breeding value' is given an **EBV (Estimated Breeding Value)**, a figure that compares the animal to the breed benchmark of zero (0) for each trait. A positive EBV (+) is higher than breed benchmark whilst a negative (-) EBV is lower than the benchmark.

The EBVs presented in this catalogue are **June 2021 GROUP BREEDPLAN EBV's** and can be directly compared with only **June 2021 Group Breedplan EBVs** of other **Hereford & Poll Hereford** herds. To evaluate the performance profile of a bull, its EBVs can be directly compared with the EBVs of other bulls and against the current breed average EBV for each trait as shown below.

GROUP BREEDPLAN EBV'S (kgs) (Figures are breed average for calves born 2019)								
C Ease Direct	C Ease Dtrs	Gest Length	Birth Weight	200 Day Weight	400 Day Weight	600 Day Weight	Mat Day Weight	200 Day Milk
+2.0	+1.8	-0.4	+4.1	+33	+55	+78	+67	+16

The EBV is the best estimate of an animals genetic merit for that trait.

Accuracy figures for each EBV are given. This percentage (%) accuracy reflects the likelihood of the EBV changing as further performance information about the animal becomes available. The higher the accuracy figure, the smaller is both the chance and likely magnitude of change.

EBVs are calculated for the following traits.

CALVING EASE Calving Ease (CE) EBV's are based on CE scores, birth weight and gestation length information. More positive EBV's are favourable and indicate easier calving.

DIR. Direct calving ease indicates how this animal influences the birth of its progeny.

DTRS. Daughters calving ease indicates how well the animal produces daughters that have easier calving.

BIRTH

Gestation Length GL EBV (days) is based on AI records. Lower (-ve) GL EBV's indicate easier calving and increased growth after birth.

Birth Weight BWT EBV (kg) is based on measured birth weight of animals, adjusted for dam age. The lower the birthweight EBV of a sire, the lighter is the birthweight potential of his progeny and lower the likelihood of a difficult birth. High birthweight is generally associated with increased calving problems in heifers.

High birthweight EBV bulls can be used on mature cows without any problems. Wirruna recommend joining heifers to bulls with birthweight EBVs at or below breed average ie. Preferably **below of EBV +4.3 and positive calving ease EBV's**.

Bull lots in this catalogue that are suitable for joining to heifers in typical low dystocia herds are denoted with an 'Easy-calve' logo.

GROWTH

200 Day Growth Indicates weight advantage at 8 to 10 months of age. Place emphasis on this EBV if you are selecting cattle to finish for earlier markets, keeping in mind the maturity pattern required for the trade you are targeting.


400 Day Weight Indicates weight advantage at yearling age. Place emphasis on this EBV if you are producing steers destined for the domestic and/or yearling steer market, plus improve the growth of your yearling heifers to improve conception rates.

Easy-calve

- 600 Day Weight** Indicates weight advantage beyond yearling age. Place emphasis on this EBV if you are breeding for the heavy weight end of markets or want to extend the growth potential of your progeny. High EBVs for 600 Day Wt indicates a later maturing sire whose progeny will reach optimum finish at a heavier weight when compared to a lower EBV Bull for that trait.
- Mature Weight** Mature Cow Weight EBV (kg) is an estimate of the genetic difference in cow weight at 5 years of age. Smaller, or more moderate EBV's are generally more favourable.
Wirruna has argued strongly for the development of this EBV, as the race for high growth traits has been to the detriment of retaining fertile, efficient low maintenance cows within the breed.
- 200 Day Milk** MILK EBV (kg) reflects extra calf weight at weaning due to the milking and mothering ability of a bulls daughters.
If you wish to improve milk in your female herd, select bulls with well above breed average EBV for this trait. Be aware that there is a trade-off between milking ability and fertility when conditions get tough. If you are selecting a bull as a terminal sire and will not be retaining his daughters then select the best growth bulls within the desired maturity type and disregard the milk EBV.

CARCASE

Wirruna have used ultrasonic scanning to assess muscle and fat since 1990. Intra-muscular fat (IMF) measurements have been measured since 1998. The carcass EBVs generated are a useful tool that will gain in accuracy and importance as more generations are scanned and analysed. With the increasing emergence of value based marketing of beef, carcass quality & meat yield are major factors influencing boning room profitability and ultimate producer returns. **Wirruna** is currently placing significant emphasis on carcass traits in sire selection.

GROUP BREEDPLAN EBV'S (kgs) (Carcass) (Figures are breed average for calves born 2019)						MUSCLE SCORE
Carcass Weight	EMA (cm ²)	Rib Fat (mm)	P8 Fat (mm)	RBV %	IMF%	Range A  E
+50	+3.6	+0.7	+0.8	+0.8	+0.5	

- Carcass Weight** CWT EBV (kg) estimates the genetic difference in carcass weight at a standard age of 650 days.
- EMA** Eye Muscle Area EBV (cm²) estimates genetic differences in the eye muscle area at the 12th/13th rib site of a 300kg dressed carcass. More positive (+) EBV's indicate better muscling on animals.
- Fat Depth** Rib and Rump Fat EBV (mm) estimates the genetic differences in fat depth at the 12th/13th rib and P8 site in a 300kg dressed carcass. More positive EBV's indicate more subcutaneous fat and earlier maturity.
Two fat EBV's are available as there is variation between animals regarding fat depth at the two sites. These EBV's are important if you want to change the fattening pattern of progeny and fat has a positively influence on fertility rates in heifers.
- RBV%** Retail Beef Yield Percent EBV (%) represents total (boned out) meat yield as a percentage of a 300kg dressed carcass. A more positive EBV indicates higher percentage yield for the 300 kg carcass size.
- IMF%** Intra-muscular Fat Percent EBV (%) is an estimate of the genetic difference in the percentage of intra-muscular fat at the 12th/13th rib site in a 300kg carcass. Depending on market targets, larger more positive values are generally more favourable.
- Muscle Score** Sandy Yeates (formally of NSW Dept of Ag) has shown that well-muscled steers (C, C+, B- to B) attract a greater premium than lesser muscled steers (*less than C*). In fact, an average premium of \$80 was paid for B muscled steers above C muscled. Animals with high muscle score have a higher proportion of their carcasses made up with hindquarter cuts and have more even fat distribution requiring less fat trim. As muscle score increases, so too does dressing percentage and carcass yield.
However, improving muscularity in the herd is a slow process as extremes must be avoided.

FERTILITY

Wirruna bulls are subject to a breeding soundness evaluation (structure and fertility) by independent veterinarians of *Holbrook Veterinary Centre*. **Wirruna** only offer bulls that are fertile and structurally sound.

As with many genetic traits, fertility cannot be physically seen when inspecting a bull. Consequently, **Wirruna** measure various facets of fertility to assist clients to make an informed bull choice.

FERTILITY INFORMATION (Figures are breed average for calves born 2019)		
Scrotal Size EBV (cm)	DC EBV (days)	Scrotal Size (cm)
+2.0	-2.9	>32 cm

Scrotal Size EBV SS EBV (cm) is an indicator of male fertility in regards to semen quality and quantity. Also positively associated with female fertility, a higher (positive EBV) indicates higher fertility.

Days to Calving DC EBV (days) is an indicator of female fertility based on time between the cows first exposure to a bull and when she subsequently calves. Cows that calve late in the season or fail to calve are penalised. This is more useful as a sire trait. Lower (-ve) EBV's are preferred indicating short days to calving for the sires daughters.

Scrotal Size Testicles are examined for firmness, conformation, congenital defects and size. All bulls must have **firm testicles** that measure at least **32 cm by 18 months** of age.

Serving Ability All sale bulls are assessed on their ability to physically serve. Wirruna strongly recommend that you get your sires tested annually.

The highest risk of bull failure is in his first season. Mating your bull to 80% of his mating potential initially is advised to reduce this risk. We suggest a mating load of up to 40 for virgin bulls.

The Hereford GROUP BREEDPLAN Estimated Breeding Values contained in this sale catalogue were compiled by the *Agricultural Business Research Institute (ABRI)* from data supplied by the breeders. Neither Herefords Australia Ltd nor the ABRI oversee or audit the collection of this data.

The EBV's in this catalogue are June 2021 Group Breedplan. With monthly updates, EBVs can and do change as more data is submitted.

This can mean that updated EBVs at sale time may differ to that printed in this catalogue.

HEIFER BULLS

Dystocia levels in whiteface heifers in the higher rainfall zones of South-east Australia vary considerably, but nevertheless, on average are unacceptably high. As a seedstock producer, we aim to challenge heifers to target around 5% assistance levels and cull accordingly so that we are selecting for calving ease. In a commercial herd, an acceptable level of dystocia (assistance and stillbirths) in a herd varies with each manager. An economic loss becomes a concern above 5% whereas there may not be enough selection pressure for growth and muscling at a level below 5%.

There are many factors that influence dystocia levels, time of calving, heifer age, nutrition throughout pregnancy, pelvic area, heifers' own genetic influence on birth weight and gestation length. Nevertheless, Sires have the dominant influence through birthweight and calf shape.

There is more variation in the potential for bulls to cause calving difficulty **within breeds** than there is **between breeds**. The practise of using bulls of another breed to mate heifers is likely to be less successful than choosing the right bull with-in the breed that you already have.

To reduce calving difficulty in heifers choose a bull with:

- **Positive calving ease EBVs** - Direct and for the longer term, its daughters. Use bulls with above average calving ease.
- **Low Birthweight EBV** - itself and back through it's pedigree. Use bulls with below breed average birthweight (target less than +4.3)
- **Correct Shoulder Conformation** - Select bulls with narrow sloping shoulders. Some bulls can look tapered from front to back. Bulky shouldered bulls with shoulder blades that protrude and are straighter than 45% should be avoided.

The *Specialist Heifer Bulls* in this catalogue are selected for having the better calving ease characteristics as detailed above, not only in its own performance information, but also in their sire and dam. These are targetted at herds who want to significantly improve calving ease in their animals.

Generally, there are bulls in this catalogue that are **suitable for joining** to heifers in typical low dystocia herds. These are denoted with an 'Easy-calve' logo.

Easy-calve

\$INDEX

Selection indices for Herefords were updated to production-based \$Indices in November 2019. Known as Breedobject \$Index, these indices are designed to allow balanced selection for various production/market scenarios and breeding objectives. Developed by the Animal Genetics and Breeding Unit (AGBU) at UNE in Armidale, this technology applies various weightings to the available EBVs to give a single EBV that reflects the value of an animal, to your breeding objective, in dollar terms. They rank animals for a single selection goal – **profit**.

The Index indicates the net profitability per cow joined in a particular production system. Higher ranked animals offer extra profit potential.

Generic indexes have been developed for different production systems of typical commercial herds using Hereford bulls. Producers are advised to use the selection index that most closely aligns to their production system. All four selection indexes are focussed on maintaining and improving eating quality. Significant premiums are applied for increasing marble score up to a marble score of 3. Pressure is also applied to early life growth to maintain low ossification scores and good MSA compliance. In addition, each selection index targets the following specifications:

- **SOUTHERN SELF-REPLACING INDEX (SSR)** - This production system assumes a typical commercial self-replacing purebred Hereford herd in winter-dominated rainfall regions targeting the domestic market. Daughters are retained for breeding and so maternal traits are of importance. Steers are slaughtered at 20 to 22 months of age to produce 300 kg carcasses with 10 mm P8 fat depth. A moderate cost is applied for cow feed costs during the annual feed shortage period which results in small increases in cow weight.
- **NORTH SELF-REPLACING INDEX (NSR)** - This production system assumes a typical commercial self-replacing herd in summer-dominated rainfall regions targeting the domestic market. This index is suitable for use by both straight bred Hereford herds and in crossbreeding programs where Hereford bulls are being used over a Bos indicus based cow herd (e.g. flatback). Daughters are retained for breeding and so maternal traits are of importance. Steers are slaughtered at 20 to 22 months of age to produce 340 kg carcasses with 12 mm P8 fat depth. A high cost is applied for cow feed costs during the annual feed shortage period which produces little change in mature cow weight.
- **SOUTHERN BALDY TERMINAL INDEX (SBM)** - This production system assumes a typical commercial crossbred herd using Hereford bulls over Bos taurus females (e.g. Angus). A portion of the heifers are retained for breeding and so maternal traits are of importance. The steers and surplus heifers are destined for slaughter at 20 to 22 months of age. Steers produce 300 kg carcasses with 10 mm of P8 fat depth, while heifers produce 270 kg carcasses with 12 mm of P8 fat depth. A moderate cost is applied for cow feed costs during the annual feed shortage period.
- **NORTHERN BALDY TERMINAL INDEX (NBT)** - This production system assumes a typical commercial crossbred herd (e.g. flatback) using Hereford bulls over Bos indicus/Tropical females (e.g. Santa Gertrudis) where all progeny (male and female) are destined for slaughter. Steers and heifers are slaughtered at 20 to 22 months of age. Steers produce 340 kg carcasses with 14 mm of P8 fat depth while heifers produce 300 kg carcasses with 17 mm of P8 fat depth.

BREED OBJECT \$INDEX (Figures are breed average for calves born 2019)			
SSR	NSR	SBM	NBT
\$129	\$115	\$130	\$96

Indexes allow balanced selection in the true sense of the word – they apportion the amount of selection pressure that needs to be applied for growth, maternal, carcase and fertility traits to give you the most profitable herd over the long term. High indexing animals will rarely have the highest EBV for any single trait. The weightings depend on the economic importance of individual traits and account for antagonisms between traits

June 2021 Hereford BREEDPLAN - Percentile Bands for all 2019 born animals

Use this table as a guide to compare individual animals with the current genetic level of the breed

	Calv-Ease			Birth		Growth				Fert			Carcase					Extra			Indexes				
	Dir	Dis	%	GL	days	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBV	IMF	Doc	NFI	SSR	NSR	SBM	NBT
								kg			cm	days	kg	sq.cm	mm		%			kg/day					\$
High 1%	+12.3	+8.8	-6.7	-1.3	+48	+81	+115	+110	+26	+4.2	-6.5	+76	+7.1	+2.6	+3.7	+2.6	+2.3	+2.3	+2.3	+23	-0.37	+209	+198	+216	+158
High 5%	+10.2	+6.8	-3.7	+0.4	+44	+73	+103	+97	+23	+3.4	-5.4	+68	+5.9	+2.0	+2.7	+2.0	+1.6	+1.8	+18	-0.21	+187	+176	+194	+142	
High 10%	+8.7	+5.8	-2.7	+1.3	+41	+69	+98	+91	+22	+3.1	-4.8	+64	+5.3	+1.7	+2.3	+1.7	+1.3	+1.5	+15	-0.16	+174	+163	+180	+132	
High 15%	+7.6	+5.1	-2.2	+1.9	+40	+66	+94	+86	+21	+2.8	-4.5	+61	+5.0	+1.5	+2.0	+1.5	+1.1	+1.3	+13	-0.12	+165	+153	+171	+125	
High 20%	+6.6	+4.6	-1.8	+2.4	+39	+64	+91	+83	+20	+2.7	-4.2	+59	+4.7	+1.3	+1.7	+1.4	+1.0	+1.1	+11	-0.09	+158	+146	+163	+119	
High 25%	+5.7	+4.1	-1.5	+2.8	+37	+62	+88	+80	+19	+2.5	-3.9	+57	+4.4	+1.2	+1.6	+1.2	+0.9	+1.0	+10	-0.07	+152	+139	+156	+114	
High 30%	+4.9	+3.6	-1.2	+3.1	+37	+61	+86	+77	+19	+2.4	-3.7	+56	+4.2	+1.1	+1.4	+1.1	+0.8	+0.9	+9	-0.04	+146	+133	+150	+110	
High 35%	+4.1	+3.2	-1.0	+3.5	+36	+59	+84	+75	+18	+2.3	-3.5	+54	+4.0	+1.0	+1.2	+1.0	+0.7	+7	-0.03	+141	+128	+144	+106		
High 40%	+3.4	+2.8	-0.8	+3.7	+35	+58	+82	+72	+17	+2.2	-3.3	+53	+3.8	+0.9	+1.1	+0.9	+0.6	+6	-0.01	+137	+123	+139	+103		
High 45%	+2.7	+2.4	-0.6	+4.0	+34	+57	+80	+70	+17	+2.1	-3.1	+52	+3.7	+0.8	+1.0	+0.8	+0.5	+5	+0.00	+133	+118	+134	+99		
50%	+2.0	+1.9	-0.4	+4.3	+33	+55	+78	+67	+16	+2.0	-2.9	+50	+3.5	+0.7	+0.8	+0.8	+0.5	+4	+0.01	+129	+114	+129	+96		
Low 45%	+1.4	+1.5	-0.2	+4.5	+33	+54	+76	+65	+16	+1.9	-2.7	+49	+3.4	+0.6	+0.7	+0.7	+0.4	+3	+0.02	+124	+109	+125	+92		
Low 40%	+0.7	+1.1	+0.0	+4.8	+32	+53	+74	+63	+15	+1.8	-2.5	+48	+3.2	+0.5	+0.6	+0.6	+0.3	+1	+0.03	+120	+105	+120	+88		
Low 35%	+0.0	+0.6	+0.2	+5.1	+31	+51	+72	+60	+15	+1.7	-2.3	+46	+3.0	+0.4	+0.4	+0.5	+0.2	+0	+0.04	+115	+100	+115	+85		
Low 30%	-0.7	+0.2	+0.4	+5.3	+30	+50	+70	+57	+14	+1.6	-2.1	+45	+2.9	+0.3	+0.3	+0.4	+0.2	-1	+0.05	+111	+95	+109	+81		
Low 25%	-1.4	-0.3	+0.6	+5.6	+29	+48	+67	+54	+13	+1.5	-1.8	+43	+2.7	+0.2	+0.1	+0.3	+0.1	-3	+0.06	+105	+89	+103	+76		
Low 20%	-2.2	-0.8	+0.8	+5.9	+28	+47	+65	+51	+13	+1.4	-1.6	+42	+2.6	+0.1	-0.1	+0.2	+0.0	-4	+0.08	+99	+84	+97	+72		
Low 15%	-3.1	-1.4	+1.1	+6.3	+26	+45	+62	+47	+12	+1.3	-1.3	+39	+2.4	-0.1	-0.3	+0.1	-0.1	-6	+0.09	+92	+77	+90	+67		
Low 10%	-4.4	-2.2	+1.5	+6.7	+25	+42	+57	+42	+11	+1.1	-0.9	+37	+2.1	-0.3	-0.5	-0.1	-0.2	-9	+0.11	+84	+69	+81	+60		
Low 5%	-6.4	-3.4	+2.0	+7.3	+22	+38	+51	+34	+9	+0.8	-0.5	+33	+1.8	-0.6	-0.9	-0.4	-0.4	-14	+0.15	+72	+57	+69	+51		
Low 1%	-11.0	-6.1	+3.4	+8.5	+16	+29	+38	+15	+6	+0.2	+0.4	+24	+1.1	-1.2	-1.8	-0.9	-0.7	-22	+0.25	+52	+37	+42	+30		

Note: Percentile Bands for 2019 Born Calves are provided as a useful tool to compare where a particular animal is placed relative to the breed for individual traits or \$Index values. In this catalogue, **yellow shading indicates traits that rank in the top 20% of the breed** and **black shading is a top 5% ranking for 2019 Born 'Q' Calves.**

BEEF CLASS STRUCTURAL ASSESSMENT SYSTEM



Structural problems in cattle have a substantial effect on both the reproductive and growth performance of a beef herd. It is widely recognised that structural problems in sires have detrimental effects on conception rates, calving patterns and thus profitability. Similarly, females with inadequate structural characteristics are more prone to weaning lighter calves or conceiving later in the breeding season than their more functional counterparts. These structural problems are filtered through the supply chain resulting in reduced income for the producer, feedlot and thus reducing the overall productivity of the Australian Beef Industry.

Over the past decade, use of the Beef Class Structural Assessment System in the seedstock industry has produced a marked improvement in herds which have shown commitment to using the information appropriately. Through these dedicated breeders, there has been a flow on affect of structural improvement through out all sectors of the beef cattle industry.

Jim Green and Liam Cardile of 'BEEFXCEL' service many of the leading seedstock herds in Australia. 'BEEFXCEL' is not involved in any genetic marketing or specific breeding advice and therefore has no conflict of interests to influence their stock appraisal. The integrity of the structural data provided by 'BEEFXCEL' is recognised throughout the industry as Jim and Liam are fully INDEPENDENT assessors.



Call **Liam Cardile** on 0409 572 570

HOW TO USE THE BEEF CLASS STRUCTURAL ASSESSMENT SYSTEM

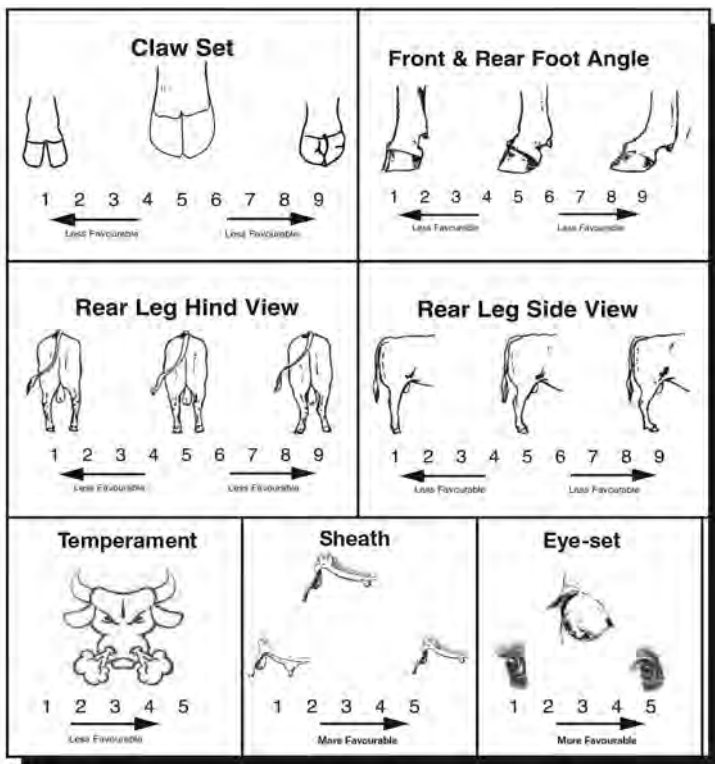
WIRRUNA POLL HEREFORDS STRUCTURAL PROGRAM:

The 2021 Sale Bull offering have been independently structurally assessed to maximise the quality of stock on offer. Any animals deemed inadequate have been removed from the sale draft. The Wirruna sale bulls were assessed by Liam Cardile of BEEFXCEL on 18th June 2021.

How to use The Beef Class Structural Assessment System

The Beef Class Structural Assessment System uses a 1-9 scoring system;

- A score of 5 is ideal. (Note: Temperament Score of 1 is preferable).
- A score of 4 or 6 shows slight variation from ideal, but this includes most animals. An animal scoring 4 or 6 would be acceptable in any breeding program.
- A score of 3 or 7 shows greater variation but would be acceptable in most commercial programs. However, seedstock producers should be vigilant and understand that this score indicates greater variation from ideal.
- A score of 2 or 8 are low scoring animals and should be looked closely before purchasing.
- A score of 1 or 9 should not be catalogued and are considered culls.



GENOMICS AT WIRRUNA

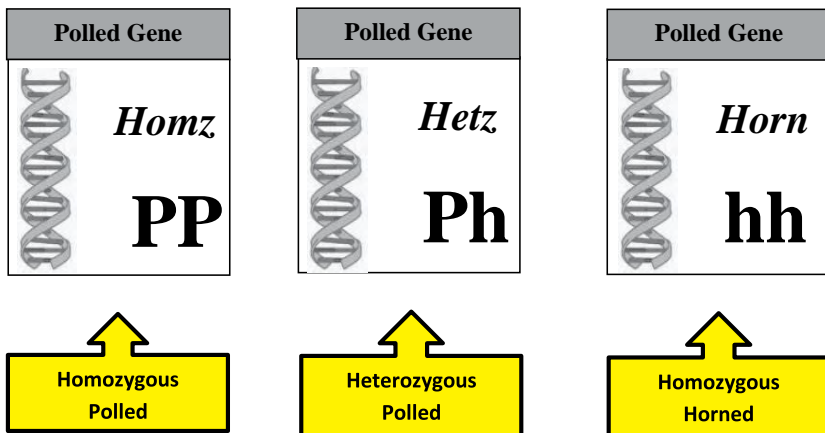
Genomics means the study of the Genome, or genetic make-up of an organism. In recent years, new technologies relating to the actual genes that animals carry have become available to the livestock industries. These include new ways to extract DNA, and run on a SNP (Single Nucleotide Polymorphism) panel to identify DNA markers for key traits & genetic conditions. In fact, many thousands of markers, depending on the size of the SNP panel.

Genomic tests are useful to seedstock breeders for parent verification and to better explain the genetic makeup of an animal, simple traits like the Coat colour, Poll/Horn gene and genetic diseases can be readily identified, but also more complex traits can be measured, due to the large number of markers available, to give us better calculations of an animal's genetic merit. There are currently genomic predictions for traits like calving ease, milk, average daily gain, marbling, docility, carcass weight and residual feed intake. Furthermore, being in its infancy, more traits will be added as the technology develops.

In 2017, we saw the implementation of Single Step BREEDPLAN. This is a significant milestone for the International Beef Recording Scheme at ABRI. In the Single Step analysis, SNP genotypes, along with the normal pedigree & performance information, are being incorporated into the calculation of BREEDPLAN EBVs. From the commercial beef producer's perspective, things won't look much different! However, in the calculations and accuracy of EBVs there will be significant improvements allowing you, the beef cattle producer, to make more accurate breeding decisions with enhanced and more accurate breeding values.

Wirruna have routinely DNA tested all Sires, Donor Dams and sale bulls for many years. Now we are moving to full DNA testing all animals. Wirruna have been at the forefront of this technology and have more genotypes contributed to the Hereford reference population than any other Hereford herd in Australia. This should give you confidence that our data is the best quality that it can be to give you the best tools to make your Breeding decisions.

All sale bulls have gene test results to identify those that are true polled, or homozygous polled (PP), and those that carry the horn gene, or heterozygous polled (Ph). The poll gene results are reported as follows.



All progeny of a PP homozygous polled bull will be polled. Heterozygous polled bulls (Ph), on the other hand, can throw horned progeny if the horn gene is also present in the cow. The test is a very useful tool for those herds who wish to genetically dehorn progeny. Generally, strong poll herds do not need to focus on the gene due to the dominance of the poll gene (P) to the horn gene (h).



WIRRUNA
pool herefords

WIRRUNA GUARANTEE

Many seedstock producers guarantee their bulls. **Wirruna** offers a unique Bull Guarantee as it also helps to cover the client's risk of a bull not siring a satisfactory number of calves due to the fault of his own fertility.

Wirruna does everything we practically can to ensure a bull is fertile and removes bulls that are unfit to be mated. Given that no one can absolutely guarantee a bulls' fertility, you do buy at your own risk. However, in an effort to share this risk, Wirruna offer this guarantee which is valid for the next mating only and annual testing is strongly recommended.

All bulls are independently examined for:

- structural soundness,
- semen motility & morphology
- testicle size & conformation, and
- serving ability is observed

What does Wirruna Guarantee?

1 Bull Infertility

If a tested Wirruna bull is unable to sire calves as a result of a failure of his own fertility during his first mating, we will either:

- ☞ replace him with an equivalent bull
- ☞ give credit towards future purchases
- ☞ refund the purchase price of the bull

Bull Sub-fertility

In the case of a sub-fertile bull not able to achieve an adequate number of pregnancies during his first mating we will either:

- ☞ offer a proportioned credit towards future purchases
- ☞ partly refund the purchase price of the bull

2 Compensation for lost pregnancies

Furthermore, we also compensate you for the pregnancies that the bull failed to get for you, by means of either:

- ☞ a credit towards future purchases
- ☞ a cash refund equal to the loss of pregnancies incurred by the owner

How does it work?

Let's assume that you mate your new \$5,000 bull to his advised maximum mating load of 40 cows. If the cows are healthy, cycling and free of diseases capable of causing reproductive failure, you should expect 36 (90% for cows, 85% for heifers) of them to conceive over a 9 week joining period. Let's say that only 20 conceive and it can be independently confirmed by a registered veterinarian of a fertility problem in the bull not caused by injury or acquired disease. We will compensate the owner \$100 per additional empty cow above that normally expected. Eg. $(36-20) \times \$100 = \$1,600$, representing the commercial difference in value between the 16 empty cows and 16 pregnant ones. Furthermore, we give a credit or refund on the purchase price of the bull proportional to the missed and expected pregnancies. In this case, the owner will receive 16 of 36 (44%) of \$5,000 = \$2,222 plus the compensation of \$1,600 = \$3,822.

The infertile or sub-fertile bull is then to be sold on the vendor's behalf or delivered to a place mutually agreed upon by both parties.

What is your obligation?

within 3 months of the bull being taken out of the cows, so as to quickly resolve problems and get on with the beef breeding business. Early pregnancy testing is essential good female management and detection of early surprises is a good loss mitigation measure.

Wirruna does their utmost to produce bulls that are valued by their new owner for their ability to lower their cost per pregnancy and to improve their herd's genetic worth. We believe that if we put your interests first, you will be a more satisfied client. This guarantee, amongst the best on offer in Australia, shares the financial risk within the vital first year of purchasing a bull and clearly demonstrates the confidence that we have in our bulls along with the commitment that we have to you after sale day.

This guarantee is not a replacement for good management. It is aimed at appropriately covering the performance of the bull where the cows are diligently managed to recognised industry standards. The bull owner has a duty to observe joining, monitor later cycling, pregnancy test and communicate any problems

The Locke Family.

Reference Sires - Outside AI

[illegible]

Reference Sires - WPHS

[illegible]

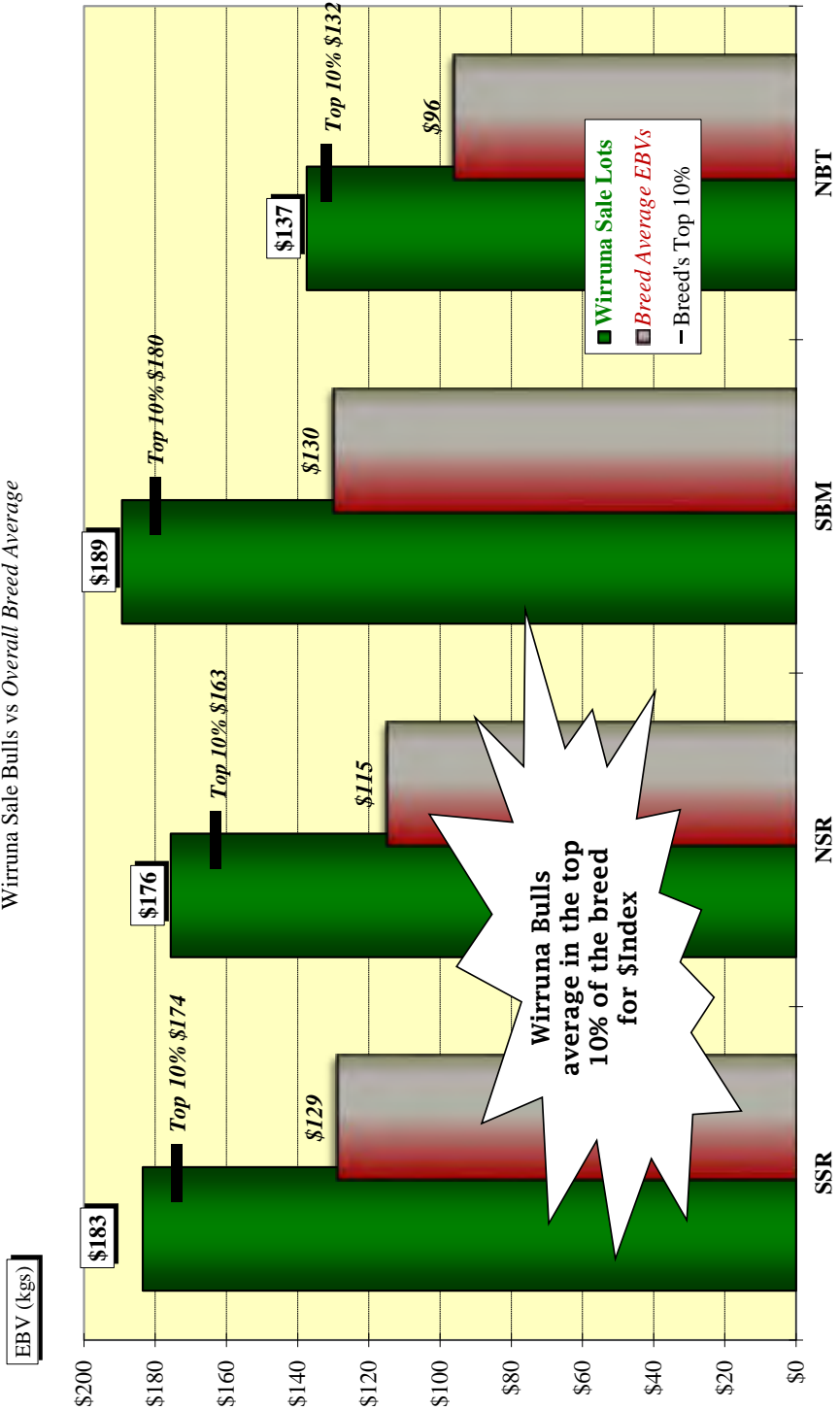
Breed Ave. '19 drop

Top 20% of breed '19 drop

Top 5% of breed: 19 drop

COMPARISON OF \$INDEX VALUES

Wirruna Sale Bulls vs Overall Breed Average





Pen No. 1 (Wirruna Sires)

Birth Date: 29-Jul-19

Society ID: WNAQ001

Horn/Scurs/Poll: P

- ☒ High performing Fletcher son with super-short gestation
- ☒ Exceptional B- muscling supported by a top 1% RBY% & top 5% EMA EBVs
- ☒ Strong growth with top ADWG performance & 200D weight in the top 5%
- ☒ Strong CE traits, growth, milk & carcase combine to calculate top 1% \$Indices

'Star Lot'

NOOKEN VALERIAN 2

QUAMBY PLAINS STOCKMASTER Y118

QUAMBY PLAINS MAGPIE W9

Sire: WIRRUNA FLETCHER F214 (WNAF214)

MOUNT DIFFICULT UNGAR (S)

WIRRUNA LAST DAY B16 (H)

WIRRUNA LAST DAY Z152

STUDBROOK D'ARTAGNION V086 (AI) (ET)

OTAPAWA SPARK 3060 (IMP)

OTAPAWA SPOT P30

Dam: WIRRUNA MADAM L441 (WNAL441)

SOUTH BUKALONG WALLACE 2

WIRRUNA MADAM F18

WIRRUNA MADAM D232



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+8.1	+10.3	-8.5	+5.3	+46	+72	+99	+75	+25
55%	49%	76%	74%	71%	71%	71%	68%	66%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBY (%)	IMF (%)	Docility
+1.5	-5.8	+74	+7.0	+0.4	-0.7	+2.6	+1.5	+7
78%	51%	66%	59%	63%	66%	59%	65%	59%

STRUCTURAL ASSESSMENT								18-Jun-21
							Muscle Score	
6	6	5	6	5	5	4	B-	2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	
\$223	\$206	\$232	\$163					Ph
				41	Serv.	NM%	3	

Purchaser_____

Price_____



Pen No. 1 (Wirruna Sires)

Birth Date: 5-Aug-19

Society ID: WNAQ027

Horn/Scurs/Poll: P

- ☒ A curve-bending Trust son with good muscle over the loin
- ☒ Supported by an excellent EMA EBV in the top 1% of the breed
- ☒ One of the highest bulls catalogued for CE(Mat), growth, milk & carcase weight
- ☒ Tops of the breed for SBM & NBT \$Indices - Twin calf to lot 7

RRH MR FELT 3008 (IMP)

KCF BENNETT 3008 M326

KCF MISS 459 F284

Sire: NJW 73S M326 TRUST 100W (OSA43002897AHR)

PW VICTOR BOOMER P606

NJW P606 72N DAYDREAM 73S

NJW 94J DEW 72N

Easy-calve

STUDBROOK D'ARTAGNION V086 (AI) (ET)

OTAPAWA SPARK 3060 (IMP)

OTAPAWA SPOT P30

Dam: WIRRUNA HYACINTH K9 (WNAK9)

WIRRUNA EXPLORER E188

WIRRUNA HYACINTH G256

WIRRUNA HYACINTH E33



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBV's				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+7.7	+7.9	-2.0	+4.2	+45	+88	+123	+114	+27
54%	48%	68%	72%	70%	70%	71%	68%	65%

FERTILITY EBV's		CARCASE EBV's						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Dolality
+3.3	-4.2	+86	+7.9	+0.8	+0.8	+1.8	+1.5	-8
76%	49%	64%	58%	62%	65%	59%	63%	54%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
7	6	6	5	4	5	4		2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	95/100	
\$229	\$212	\$247	\$186					Hetz
				39	Serv.	NM%	3	Ph

Purchaser _____

Price _____



Pen No. 1 (Wirruna Sires)

Birth Date: 8-Aug-19

Society ID: WNAQ071

Horn/Scurs/Poll: P

- ☒ An easy-calving sire, used on heifers at Wirruna
- ☒ Backed by top 5% CE & GL traits, yet achieved top end yearling weight
- ☒ Large scrotal size supported by top 1% fertility traits
- ☒ High marbling scan (top 5% IMF%) & good profit potential (top 5% \$Indices)

WIRRUNA EXPLORER E188

WIRRUNA HARTWIG H297

WIRRUNA MIDGE A51

Sire: WIRRUNA KALIMNA K326 (WNAK326)

ARDO HUSTLER 4110 (IMP)

WIRRUNA CORA H303

WIRRUNA CORA D9

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Dam: WIRRUNA MADAM L78 (WNAL78)

SOUTH BUKALONG WALLACE 2

WIRRUNA MADAM E325

WIRRUNA MADAM A10

Easy-calve



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+10.3	+8.8	-4.8	+1.2	+36	+64	+82	+56	+23
55%	46%	76%	73%	71%	71%	72%	68%	64%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+4.8	-7.5	+63	+3.0	+2.1	+2.6	-0.8	+2.2	-10
78%	48%	67%	60%	65%	67%	58%	66%	58%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	Temp. 2
6	6	6	6	5	6	4		

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	80/100	Homz
\$198	\$185	\$209	\$149		✓	✓		PP
				43	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 2 (Wirruna Sires)

Birth Date: 10-Aug-19

Society ID: WNAQ118

Horn/Scurs/Poll: P

- ☒ Attractive Mischief sire with plenty of length & depth
- ☒ Highest 400D & 600D growth in catalogue - top 1% of the breed
- ☒ An excellent spread of carcase EBVs with top 1% carcase weight & IMF
- ☒ Few bulls match this fellow for breed-leading \$Index values

'Star Lot'

SOUTH BUKALONG SHANNON 40

NITHDALE JACKAL 090029

NITHDALA AMETHYST 040070

Sire: **ORARI GORGE MISCHIEF 120083 (OSA0400120083NZHB)**

NITHDALE HEATH 070113

NITHDALE LESLIE 090020

NITHDALE LESLIE 070064

ALLENDALDE YACKA

ALLENDALDE ANZAC E114

ALLENDALDE DAWN B22 (AI) (ET)

Dam: **WIRRUNA CIRCLE M395 (WNAM395)**

ELITE 4110 E212

WIRRUNA CIRCLE H13

WIRRUNA CIRCLE F31



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+5.0	+2.7	-4.5	+5.1	+46	+89	+123	+106	+15
52%	44%	75%	73%	70%	70%	71%	67%	63%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+5.7	-5.8	+85	+6.2	+2.1	+2.9	+0.1	+2.7	+21
78%	44%	63%	55%	60%	64%	57%	63%	55%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	Temp.
							B-	1
6	6	6	6	5	5	4		

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$241	\$228	\$240	\$176					PP
				43	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 2 (Wirruna Sires)

Birth Date: 11-Aug-19

Society ID: WNAQ141

Horn/Scurs/Poll: P

- ☒ An attractive cherry-red Limehills Starter son used at Wirruna
- ☒ Top 5% 200D, 400D & 600D growth & top 1% carcase weight
- ☒ Both carcase quality & quantity in this fellow with top 5% EMA & IMF EBVs
- ☒ Out of a stayer cow - this sire achieves top 1% for all maternal \$Indices

'Star Lot'

MONYMUSK CAPTAIN 070029

LIMEHILLS STAMPER 110429

LIMEHILLS LEONORA 9268

Sire: LIMEHILLS STARTER 160062 (OSA0677160062NZHB)

OKAWA ELECTRA 1117

LIMEHILLS BEAUTY 140225

LIMEHILLS BEAUTY 110483

Easy-calve

SOUTH BUKALONG WALLACE 2

WIRRUNA FORT F382

MOUNT DIFFICULT LORNA B123

Dam: WIRRUNA GOLDEN VANITY H208 (WNAH208)

ALLEDALE NATIONAL W168

WIRRUNA GOLDEN VANITY F422

WIRRUNA GOLDEN VANITY A99



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+2.6	+2.1	-2.5	+5.0	+46	+80	+115	+82	+16
49%	36%	75%	73%	70%	69%	70%	64%	53%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+1.4	-2.9	+82	+6.0	+1.3	+1.7	+1.4	+1.7	+3
78%	39%	61%	52%	57%	61%	53%	60%	54%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	Temp.
							C+	1
6	6	5	6	5	5	4		

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$224	\$209	\$222	\$156					PP
				39	Serv.	NM%	4	

Purchaser _____

Price _____

**Pen No. 2 (Wirruna Sires)**

Birth Date: 21-Aug-19

Society ID: WNAQ283

Horn/Scurs/Poll: P

- ☒ A smooth-bodied Wirruna sire with exceptional B- muscling
- ☒ Consider his combination of good growth, carcase & high ADWG performance
- ☒ Top 5% fertility-stayer cows throughout pedigree including A10, E319 & G7
- ☒ Top-end carcase scans for EMA & IMF% support his carcase EBV credentials

'Star Lot', 50% Semen rights retained

MSU TCF REVOLUTION 4R

KCF BENNETT REVOLUTION X51

KCF MISS PROFICIENT U201

Sire: **WIRRUNA MORRIS M404 (WNAM404)**

WIRRUNA CANDIDATE C118

WIRRUNA CORA E319

WIRRUNA CORA B38

SOUTH BUKALONG WALLACE 2

WIRRUNA JAVA J80

WIRRUNA VICTORIA G7

Dam: **WIRRUNA MADAM L111 (WNAL111)**

ELITE W203 C223

CO-OP5 MADAM H23

WIRRUNA MADAM A10



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+4.5	+2.8	-0.7	+5.4	+39	+70	+95	+73	+17
42%	34%	58%	72%	67%	67%	68%	63%	56%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.6	-5.7	+65	+9.0	+1.1	+1.2	+1.5	+2.8	-11
76%	40%	59%	50%	56%	60%	52%	58%	51%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							B-	
7	7	6	6	5	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$212	\$200	\$207	\$151					PP
				42	Serv.	NM%	4	

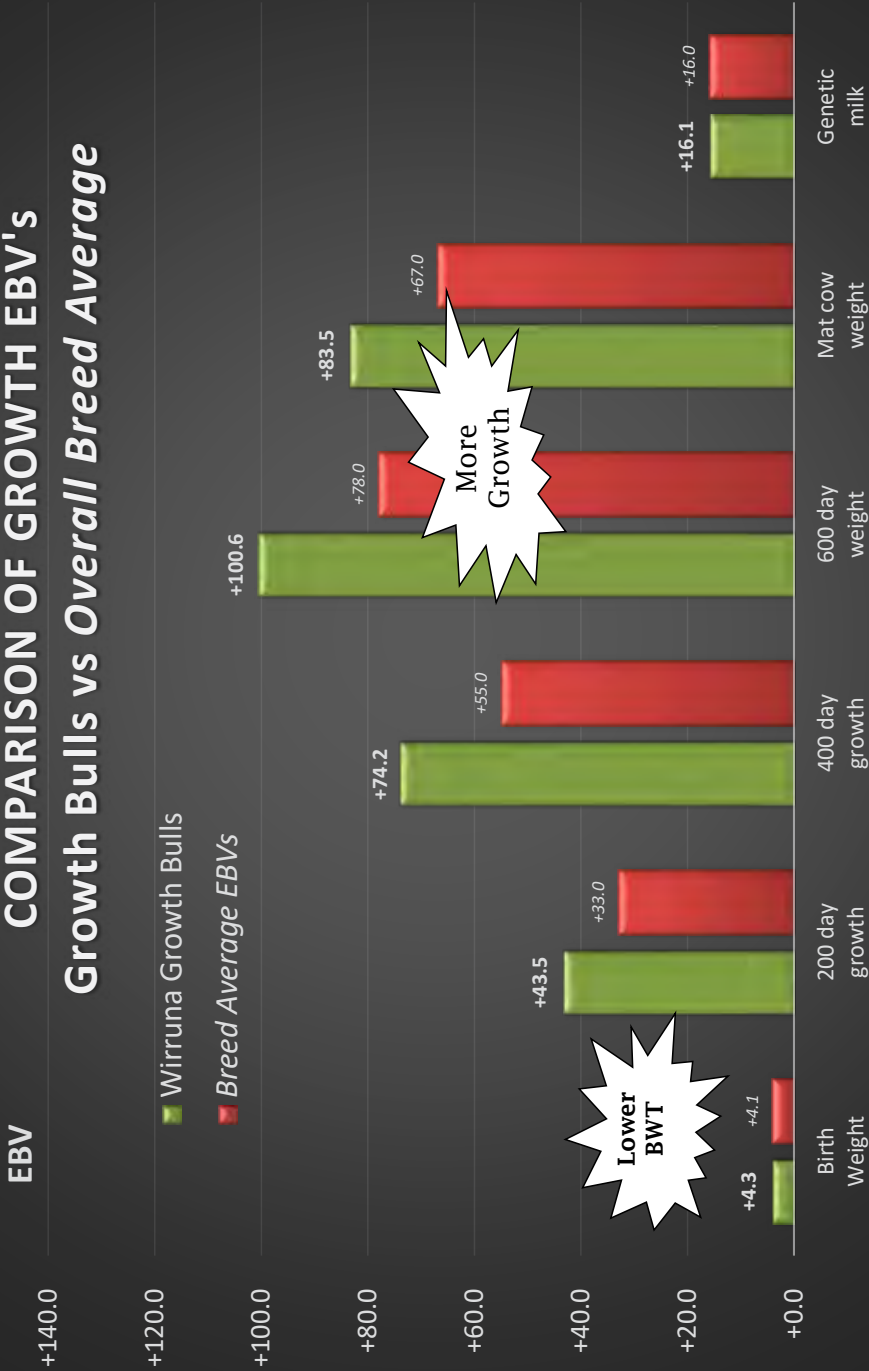
Purchaser _____

Price _____



COMPARISON OF GROWTH EBV'S

Growth Bulls vs Overall Breed Average





Pen No. 7 (Growth Bulls)

Birth Date: 5-Aug-19
Society ID: WNAQ028
Horn/Scurs/Poll: P

- ☒ Twin to Lot 2, A NJW Trust son out of high performing cow
- ☒ Lots of carcase with top 1% carcase weight & EMA EBVs
- ☒ Strong calving ease traits, top 5% milk, 400D & 600D growth
- ☒ Structurally sound with all \$Indices in the top 5% of the breed

RRH MR FELT 3008 (IMP)

KCF BENNETT 3008 M326

KCF MISS 459 F284

Sire: NJW 73S M326 TRUST 100W (OSA43002897AHR)

PW VICTOR BOOMER P606

NJW P606 72N DAYDREAM 73S

NJW 94J DEW 72N

Easy-calve

STUDBROOK D'ARTAGNION V086 (AI) (ET)

OTAPAWA SPARK 3060 (IMP)

OTAPAWA SPOT P30

Dam: WIRRUNA HYACINTH K9 (WNAK9)

WIRRUNA EXPLORER E188

WIRRUNA HYACINTH G256

WIRRUNA HYACINTH E33



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+7.7	+7.9	-3.6	+3.8	+41	+75	+105	+101	+24
54%	48%	69%	72%	71%	70%	71%	68%	65%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+1.6	-3.8	+76	+7.6	+0.6	+0.5	+2.5	+0.6	-8
76%	49%	65%	58%	62%	65%	59%	63%	54%

STRUCTURAL ASSESSMENT							18-Jun-21	
	Front		Back		Front		Back	
6		5		5		5		
4		5		4		5		
4		4		4		4		
Muscle Score							C+	Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Hetz
\$199	\$187	\$217	\$163					Ph
				37	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 7 (Growth Bulls)

Birth Date: 5-Aug-19

Society ID: WNAQ035

Horn/Scurs/Poll: P

- ☒ A cherry-red Matty son with a good barrelled body
- ☒ A strong genetic base for calving ease with gestation length in the top 5%
- ☒ Good early growth with 200D & 400D EBVs in the top 10%
- ☒ Well suited to a cross breeding operation with both baldy \$indices in the top 5%

ALLENDALE YACKA

└ ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA MATTY M288 (WNAM288)

ELITE 4110 E212

└ WIRRUNA CIRCLE H13

WIRRUNA CIRCLE F31

Easy-calve

TOBRUK JEDI

└ WIRRUNA LAWTON L166

PINE HILL SIRIKIT D579

Dam: WIRRUNA GOLDEN VANITY N337 (WNAN337)

WIRRUNA JAMAICA J76

└ WIRRUNA GOLDEN VANITY L420

WIRRUNA GOLDEN VANITY G437



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+7.6	+6.2	-6.4	+3.5	+42	+72	+97	+86	+13
49%	38%	75%	73%	69%	69%	71%	65%	56%

FERTILITY EBVs		CARCASS EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+2.7	-2.1	+63	+2.9	+1.6	+2.4	-0.8	+2.4	+17
77%	41%	63%	54%	60%	64%	54%	62%	53%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	Temp. 2
7	6	7	5	5	5	4		

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$182	\$172	\$199	\$151	39	✓ Serv.	✓ NM%	4	PP

Purchaser _____

Price _____



Pen No. 7 (Growth Bulls)

Birth Date: 7-Aug-19

Society ID: WNAQ068

Horn/Scurs/Poll: P

- ☒ A long & dark-red Matty son out of a top donor cow
- ☒ Strong early growth with 200D & 400D weights in the top 5%
- ☒ Good profit potential with 3/4 \$Indices in the top 5% of the breed
- ☒ Get live calves on the ground sooner with top 1% gestation length EBV

'Star Lot'

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA MATTY M288 (WNAM288)

ELITE 4110 E212

WIRRUNA CIRCLE H13

WIRRUNA CIRCLE F31

MOUNT DIFFICULT FELLIS Y12 (AI)

WIRRUNA DAFFY D1

MOUNT DIFFICULT LAST DAY A205

Dam: WIRRUNA VICTORIA G7 (WNAG7)

ALLENDALE NATIONAL W168

WIRRUNA VICTORIA E112

SOUTH BUKALONG VICTORIA 202



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+7.8	+4.5	-7.2	+5.2	+46	+76	+95	+85	+12
57%	47%	70%	75%	73%	73%	74%	68%	62%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.7	-2.6	+69	+5.0	+1.0	+1.7	+1.0	+1.6	+5
78%	48%	68%	60%	65%	68%	59%	67%	62%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	Temp.
							C+	1
6	6	5	6	5	5	4		

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$186	\$185	\$201	\$155					PP
				40	Serv.	NM%	3	

Purchaser _____

Price _____



Pen No. 7 (Growth Bulls)

Birth Date: 9-Aug-19

Society ID: WNAQ095

Horn/Scurs/Poll: P

- ☒ A long & deep bodied bull with plenty of visual muscle
- ☒ Backed by top 5% growth & carcase weight EBVs
- ☒ Improve carcase with this bulls top 5% EMA & IMF EBV
- ☒ Top 1% \$Indices - curve-bending growth from an easy-calving base

RRH MR FELT 3008 (IMP)

KCF BENNETT 3008 M326

KCF MISS 459 F284

Sire: NJW 73S M326 TRUST 100W (OSA43002897AHR)

PW VICTOR BOOMER P606

NJW P606 72N DAYDREAM 73S

NJW 94J DEW 72N

Easy-calve

MATARIKI HOLY-SMOKE

WIRRUNA JUSTIN J13

WIRRUNA DOREEN G393

Dam: WIRRUNA MADAM M006 (WNAM006)

WIRRUNA HARTWIG H297

WIRRUNA MADAM K354

CO-OP5 MADAM H23



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+8.3	+8.1	-3.6	+3.4	+44	+77	+108	+90	+18
53%	46%	76%	73%	69%	69%	70%	67%	63%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+1.9	-3.4	+75	+6.3	+1.6	+2.2	+1.1	+1.7	-2
78%	48%	64%	57%	61%	64%	58%	62%	53%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
7	5	6	5	4	5	4		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$221	\$214	\$237	\$173					PP
				39	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 7 (Growth Bulls)

Birth Date: 9-Aug-19
Society ID: WNAQ108
Horn/Scurs/Poll: P

- ☒ A bull with a deep barrelled body with plenty of carcase
- ☒ A quiet bull supported by top 5% genetic docility EBVs
- ☒ Strong early growth with 200D & 400D weight EBVs in the top 5%
- ☒ A profitable balance of traits leading to top 5% \$Indices

SOUTH BUKALONG SHANNON 40

NITHDALE JACKAL 090029

NITHDALA AMETHYST 040070

Sire: **ORARI GORGE MISCHIEF 120083 (OSA0400120083NZHB)**

NITHDALE HEATH 070113

NITHDALE LESLIE 090020

NITHDALE LESLIE 070064

Easy-calve

ALLENDAL YACKA

ALLENDAL ANZAC E114

ALLENDAL DAWN B22 (AI) (ET)

Dam: **WIRRUNA CIRCLE N210 (WNAN210)**

ELITE 4110 E212

WIRRUNA CIRCLE H13

WIRRUNA CIRCLE F31



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+5.6	+3.0	-3.4	+3.1	+44	+76	+101	+94	+12
52%	44%	75%	73%	70%	70%	71%	67%	64%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+1.8	-2.8	+79	+5.8	+1.2	+2.1	+0.7	+1.4	+21
78%	44%	63%	55%	60%	64%	57%	63%	55%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	5	5	6	5	6	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	80/60	Homz
\$187	\$184	\$197	\$151					PP
				36	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 7 (Growth Bulls)

Birth Date: 11-Aug-19

Society ID: WNAQ138

Horn/Scurs/Poll: P

- ☒ A ET calf with plenty of length, growth & muscle
- ☒ Achieved highend ADWG performance as a weaner - top 5% 200D growth
- ☒ Highest IMF% scan in group, supporting top 5% IMF genetics
- ☒ Well structured & offers profit potential with SSR & NSR \$Indices in top 5%

SOUTH BUKALONG WALKER 6

SOUTH BUKALONG WALLACE 2

SOUTH BUKALONG VICTORIA 152

Sire: WIRRUNA FORT F382 (WNAF382)

MOUNT DIFFICULT FELLIS Y12 (AI)

MOUNT DIFFICULT LORNA B123

MOUNT DIFFICULT LORNA X73

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Dam: HOUSE MARY L4 (JH1L4)

SOUTH BUKALONG WALLACE 2

MOUNT DIFFICULT MARY F003

MOUNT DIFFICULT MARY Z17



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+2.0	+1.9	-2.7	+4.9	+46	+71	+99	+66	+17
57%	52%	68%	74%	72%	73%	74%	70%	67%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.1	-4.7	+66	+2.9	+1.2	+1.5	+0.3	+2.0	+15
78%	53%	67%	59%	64%	67%	61%	66%	59%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	5	5	5	5	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$198	\$180	\$190	\$132					Homz
				42	Serv.	NM%	4	PP

Purchaser _____

Price _____



Pen No. 8 (Growth Bulls)

Birth Date: 11-Aug-19

Society ID: WNAQ148

Horn/Scurs/Poll: P

- ☒ A strong topline with plenty of visible muscle over the loin
- ☒ High scanning performance for fat traits, including marbling
- ☒ Good growth from a below average birthweight & calving ease base
- ☒ Well suited to self-replacing herds with both \$Indices in the top 5%

ALLENDALE YACKA

└─ ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA NEW ERA N068 (WNA068)

└─ WIRRUNA CANDIDATE C118

└─ WIRRUNA CORA E319

WIRRUNA CORA B38

Easy-calve

KCF BENNETT REVOLUTION X51

└─ WIRRUNA LEAP FORWARD L95

WIRRUNA MIDGE F322

Dam: WIRRUNA GOLDEN VANITY N415 (WNA415)

└─ WIRRUNA HIGH LEVEL H236

└─ WIRRUNA GOLDEN VANITY K361

WIRRUNA GOLDEN VANITY H80



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+4.3	+1.9	-3.0	+3.9	+41	+69	+91	+68	+15
44%	35%	57%	70%	65%	65%	66%	62%	54%

FERTILITY EBVs		CARCASS EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+2.8	-4.9	+63	+6.4	+1.8	+2.7	+0.5	+1.6	+15
76%	39%	57%	49%	55%	58%	51%	56%	48%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	Temp.
							C+	1
7	6	7	6	5	5	4		

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$189	\$182	\$187	\$135	39	✓ Serv.	✓ NM%	4	PP

Purchaser _____

Price _____

**Pen No. 8 (Growth Bulls)**

Birth Date: 13-Aug-19

Society ID: WNAQ195

Horn/Scurs/Poll: S

- ☒ An B- muscled Matty son with a good barrelled body
- ☒ Improve carcase quality with top 5% IMF EBV
- ☒ One of the heaviest weight gainers at weaning & as yearling - top 5% early growth
- ☒ All \$Indices in the top 5% of the breed - offers profit potential

Scurs

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: **WIRRUNA MATTY M288 (WNAM288)**

ELITE 4110 E212

WIRRUNA CIRCLE H13

WIRRUNA CIRCLE F31

SOUTH BUKALONG WALLACE 2

WIRRUNA FORT F382

MOUNT DIFFICULT LORNA B123

Dam: **WIRRUNA GOLDEN VANITY M099 (WNAM099)**

WIRRUNA HERNANDO H47

WIRRUNA GOLDEN VANITY K273

WIRRUNA GOLDEN VANITY H318



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBV's				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+5.0	+2.8	-3.6	+3.3	+44	+70	+97	+64	+17
52%	42%	77%	74%	72%	72%	73%	67%	59%

FERTILITY EBV's		CARCASE EBV's						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+2.8	-2.3	+69	+4.4	+1.4	+2.1	+0.9	+1.8	+4
78%	46%	67%	58%	63%	66%	57%	65%	55%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							B-	
6	6	5	6	5	5	4		2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Hetz
\$199	\$191	\$206	\$148					Ph
				41	Serv.	NM%	4	

Purchaser_____

Price_____

**Pen No. 8 (Growth Bulls)**

Birth Date: 27-Aug-19

Society ID: WNAQ346

Horn/Scurs/Poll: P

- ☒ A Novelty son with a dark coat & plenty of length
- ☒ Good early growth (top 5% 200D) with a moderate mature cow weight (bottom 40%)
- ☒ Get live calves on the ground sooner with top 5% gestation length
- ☒ A good balance of traits with 3/4 \$Indices in the top 5% of the breed

SOUTH BUKALONG WALLACE 2

WIRRUNA FORT F382

MOUNT DIFFICULT LORNA B123

Sire: **WIRRUNA NOVELTY N191 (WNAN191)**

WIRRUNA HURRICANE H132

WIRRUNA LAST DAY K210

WIRRUNA LAST DAY H333

WIRRUNA HARTWIG H297

WIRRUNA KALIMNA K326

WIRRUNA CORA H303

Dam: **WIRRUNA DOREEN N148 (WNAN148)**

WIRRUNA HERD IMPROVER H483

WIRRUNA DOREEN K333

WIRRUNA DOREEN E42



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+4.8	+4.2	-4.0	+5.0	+44	+68	+92	+62	+17
47%	36%	68%	73%	69%	69%	70%	65%	57%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.2	-5.8	+60	+3.6	+1.4	+1.5	+0.7	+1.4	-5
77%	41%	62%	51%	58%	62%	52%	60%	54%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	7	6	6	5	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	70/100	Homz
\$198	\$185	\$194	\$134					Homz
				41	Serv.	NM%	4	PP

Purchaser _____

Price _____

**Pen No. 8 (Growth Bulls)**

Birth Date: 27-Aug-19

Society ID: WNAQ353

Horn/Scurs/Poll: P

- ☒ An attractive, good coloured fellow with large testicles
- ☒ Top 1% 200D & top 5% 400D & 600D to boost growth in progeny
- ☒ Strong fertility genetics with SS & DtC EBVs in top 1% of the breed
- ☒ Drive profit potential with top 5% \$Indices & strong structural attributes

'Star Lot'

WIRRUNA HARTWIG H297

WIRRUNA KALIMNA K326

WIRRUNA CORA H303

Sire: **WIRRUNA NAGLE N066 (WNAN066)**

INJEMIRA ADVANCE Y203 (H)

WIRRUNA VICTORIA L171

WIRRUNA VICTORIA E140

NITHDALE JACKAL 090029

ORARI GORGE MISCHIEF 120083

NITHDALE LESLIE 090020

Dam: **WIRRUNA CORA N159 (WNAN159)**

WIRRUNA HOT STUFF H356

WIRRUNA CORA L487

CO-OP5 CORA G332



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+6.4	+5.0	-4.7	+5.9	+49	+75	+108	+94	+22
45%	34%	61%	70%	65%	64%	66%	61%	53%

FERTILITY EBVs			CARCASE EBVs					
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+4.9	-7.6	+70	+3.4	+0.9	+1.2	+1.0	+0.4	-1
74%	36%	57%	48%	55%	59%	50%	56%	50%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
6	5	5	5	4	5	4		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$207	\$190	\$208	\$149					Homz
				44	Serv.	NM%	4	PP

Purchaser _____

Price _____



Pen No. 8 (Growth Bulls)

Birth Date: 27-Aug-19

Society ID: WNAQ356

Horn/Scurs/Poll: P

- ☒ By the New Era sire with a sleek coat & panda eyes
- ☒ Offers strong growth EBVs, supported by his good weight/day performance
- ☒ Carcase quality & quantity with top 5% carcase weight, EMA & IMF EBVs
- ☒ Plenty of profit potential with all \$Indices in the top 1%

ALLENDALE YACKA

└─ ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA NEW ERA N068 (WNAN068)

WIRRUNA CANDIDATE C118

└─ WIRRUNA CORA E319

WIRRUNA CORA B38

OKAWA LAIDLAW 4156

└─ MONYMSK EIFFEL TOWER 090140 (IMP NZL)

MONYMSK LEONORA 050091

Dam: WIRRUNA CIRCLE N441 (WNAN441)

OTAPAWA SPARK 3060 (IMP)

└─ WIRRUNA CIRCLE J124

WIRRUNA CIRCLE F31



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+4.9	+3.6	-1.7	+4.8	+43	+83	+114	+98	+15
46%	39%	57%	69%	64%	65%	66%	60%	55%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.2	-4.3	+81	+6.2	+1.2	+1.7	+0.9	+1.7	+18
65%	40%	57%	48%	55%	58%	51%	56%	47%

STRUCTURAL ASSESSMENT							18-Jun-21	
							Muscle Score	
6	6	6	6	5	6	5	C+	2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$218	\$204	\$221	\$161	39	✓ Serv.	PM% NM%	4	PP

Purchaser_____

Price_____



Pen No. 8 (Growth Bulls)

Birth Date: 30-Aug-19

Society ID: WNAQ394

Horn/Scurs/Poll: P

- ☒ A Novelty son with 400D & 600D growth in breed's top 10%
- ☒ Top 5% gestation length EBV for earlier born & lighter calves
- ☒ Positive calving ease & a below average birth weight for easy calving
- ☒ Large testicles for fertility - top 5% for SS EBV & all \$Indices

SOUTH BUKALONG WALLACE 2

WIRRUNA FORT F382

MOUNT DIFFICULT LORNA B123

Sire: WIRRUNA NOVELTY N191 (WNAN191)

WIRRUNA HURRICANE H132

WIRRUNA LAST DAY K210

WIRRUNA LAST DAY H333

Easy-calve

ALLENDALE ANZAC E114

WIRRUNA LES L18

WIRRUNA DIDO E291

Dam: WIRRUNA BANDANA N400 (WNAN400)

WIRRUNA JACQUES J69

WIRRUNA BANDANA L346

WIRRUNA BANDANA J529



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+5.3	+3.5	-5.7	+3.7	+38	+72	+98	+83	+15
43%	33%	61%	71%	66%	65%	66%	59%	52%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.7	-4.2	+65	+4.0	+0.8	+1.0	+1.0	+1.2	-10
76%	37%	56%	46%	53%	57%	49%	54%	50%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
6	5	5	6	5	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$190	\$178	\$195	\$142					Homz
				40	Serv.	NM%	3	PP

Purchaser _____

Price _____



Pen No. 8 (Growth Bulls)

Birth Date: 2-Sep-19

Society ID: WNAQ408

Horn/Scurs/Poll: P

- ☒ A deep-bodied Neville son out of a good uddered female
- ☒ Carries growth & carcase weight genetics in the top 5% of the breed
- ☒ Excellent fertility with top 1% scrotal & top 5% DtC EBVs
- ☒ Plenty of profit potential with all \$Indices rated in the top 5%

'Star Lot'

NITHDALE JACKAL 090029

ORARI GORGE MISCHIEF 120083

NITHDALE LESLIE 090020

Sire: WIRRUNA NEVILLE N080 (WNAN080)

WIRRUNA JOPLIN J191

WIRRUNA CIRCE L435

CO-OP5 CIRCE J509

ALLENDALDE ANZAC E114

WIRRUNA LEDGER L285

WIRRUNA DOREEN G115

Dam: WIRRUNA LAST DAY N509 (WNAN509)

ELITE X122 H2

WIRRUNA LAST DAY K7

WIRRUNA LAST DAY H210



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+7.2	+3.7	-3.3	+5.4	+44	+80	+103	+95	+12
42%	31%	58%	70%	64%	64%	65%	59%	51%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+4.7	-5.7	+69	+4.0	+1.2	+1.6	+0.6	+0.8	+16
76%	36%	55%	47%	53%	57%	49%	54%	47%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	6	6	6	6	6	4		2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$199	\$191	\$204	\$151					PP
				41	Serv.	NM%	4	

Purchaser _____

Price _____

COMPARISON OF CARCASE EBV's Muscle Bulls vs Overall Breed Average





Pen No. 10 (Muscle Bulls)

Birth Date: 7-Aug-19

Society ID: WNAQ059

Horn/Scurs/Poll: P

- ☒ ET brother with Lot 9 & retained Wirruna sire Q090
- ☒ Boost carcase quality & quantity with top 5% EMA & IMF EBVs
- ☒ Short GL helps achieve more calves early & extra days for Dam to return to oestrus
- ☒ Curve bending growth from lightest actual birth weight of all bulls catalogued

ALLENDALE YACKA

└─ ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA MATTY M288 (WNAM288)

ELITE 4110 E212

└─ WIRRUNA CIRCLE H13

WIRRUNA CIRCLE F31

MOUNT DIFFICULT FELLIS Y12 (AI)

└─ WIRRUNA DAFFY D1

MOUNT DIFFICULT LAST DAY A205

Dam: WIRRUNA VICTORIA G7 (WNAG7)

ALLENDALE NATIONAL W168

└─ WIRRUNA VICTORIA E112

SOUTH BUKALONG VICTORIA 202



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+7.9	+4.5	-7.3	+3.2	+39	+68	+83	+67	+15
57%	47%	70%	74%	73%	73%	74%	68%	62%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.1	-3.0	+65	+6.0	+1.2	+1.9	+1.0	+1.9	+13
77%	47%	68%	60%	65%	68%	59%	67%	62%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	6	5	5	4	5	5		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$180	\$179	\$193	\$148					Homz
				38	Serv.	NM%	4	PP

Purchaser _____

Price _____



Pen No. 10 (Muscle Bulls)

Birth Date: 18-Aug-19

Society ID: WNAQ243

Horn/Scurs/Poll: P

- ☒ A strong topline with plenty of visible muscle
- ☒ High scan for muscle - combines top 1% EMA & IMF EBVs
- ☒ Good genetic fat & fertility with DtC EBV in the top 5%
- ☒ I like his large testicles & top 5% \$Index values - lots of ticks for this one

'Star Lot'

FELTONS LEGEND 242 (IMP USA)

MSU TCF REVOLUTION 4R

MSU TCF RACHAEL ET 54N

Sire: KCF BENNETT REVOLUTION X51 (OSA43081556AHR)

EFBEEF SCHU-LAR PROFICIENT N093 (IMP USA)

KCF MISS PROFICIENT U201

KCF MISS 774 L82

Easy-calve

SOUTH BUKALONG WALLACE 2

WIRRUNA JAVA J80

WIRRUNA VICTORIA G7

Dam: WIRRUNA FLORA L261 (WNAL261)

WIRRUNA VICKERY (S)

WIRRUNA FLORA H172

WIRRUNA FLORA B329



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+8.8	+4.8	+0.5	+2.5	+34	+55	+77	+56	+13
49%	42%	75%	73%	69%	68%	69%	66%	63%

FERTILITY EBVs		CARCASS EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.3	-5.7	+58	+8.5	+2.2	+2.9	+1.0	+2.3	-10
77%	45%	62%	55%	59%	62%	55%	61%	56%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	6	5	6	4	5	4		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$196	\$196	\$201	\$147					PP
				42	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 10 (Muscle Bulls)

Birth Date: 19-Aug-19

Society ID: WNAQ264

Horn/Scurs/Poll: P

- ☒ A long & correct son of Wirruna Novelty
- ☒ Plenty of carcase with EMA & RBY% EBVs in the top 10% of the breed
- ☒ Strong fertility attributes with DtC & SS EBVs in the top 15%
- ☒ Carries genetics for moderate Mature Cow Weights & true polled progeny

SOUTH BUKALONG WALLACE 2

WIRRUNA FORT F382

MOUNT DIFFICULT LORNA B123

Sire: WIRRUNA NOVELTY N191 (WNAN191)

WIRRUNA HURRICANE H132

WIRRUNA LAST DAY K210

WIRRUNA LAST DAY H333

NJW 73S M326 TRUST 100W

WIRRUNA LADDIE L44

WIRRUNA LAST DAY H311

Dam: WIRRUNA VICTORIA N309 (WNAN309)

WIRRUNA JACQUES J69

WIRRUNA VICTORIA L274

WIRRUNA VICTORIA J339



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
-0.1	+2.8	-2.2	+5.2	+41	+64	+86	+50	+19
45%	34%	64%	72%	67%	67%	68%	63%	55%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBY (%)	IMF (%)	Docility
+2.9	-4.7	+58	+5.7	+0.8	+1.0	+1.7	+1.0	+2
77%	40%	58%	48%	55%	59%	50%	56%	52%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	5	5	6	5	5	4		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$180	\$167	\$168	\$110					PP
				39	Serv.	NM%	4	

Purchaser _____

Price _____

**Pen No. 10 (Muscle Bulls)**

Birth Date: 21-Aug-19

Society ID: WNAQ277

Horn/Scurs/Poll: P

- ☒ A docile Validated son with dark coat & moderate frame
- ☒ Easy doing - high scan for fats supported by top 1% IMF & fat EBVs
- ☒ Out of a stayer Dam in the Wirruna herd with strong marbling genetics
- ☒ Top 5% of breed for Eye Muscle Area & NSR \$Index

EFBEEF FOREMOST U208 (IMP)

EFBEEF TFL U208 TESTED X651

EFBEEF P606 MABEL R415

Sire: **EFBEEF BR VALIDATED B413 (OSA43558667AHR)**

MSU TCF REVOLUTION 4R

EFBEEF 4R THYRA Y865

EFBEEF N014 THYRA S645

ELITE 4110 E212

WIRRUNA HOLLYWOOD H22

WIRRUNA MADAM F18

Dam: **WIRRUNA RITO K394 (WNAK394)**

WIRRUNA FREDERICK F408

WIRRUNA RITO H342

WIRRUNA RITO E383



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBV's				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+6.6	+3.5	+2.9	+3.3	+37	+60	+76	+41	+16
40%	29%	75%	73%	68%	68%	69%	63%	58%

FERTILITY EBV's		CARCASS EBV's						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+1.9	-4.0	+49	+6.5	+3.0	+3.8	-0.3	+2.4	+11
77%	35%	60%	51%	57%	59%	51%	57%	50%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
7	6	6	6	5	5	4		2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Hetz
\$183	\$178	\$187	\$133					
				38	Serv.	NM%	3	Ph

Purchaser_____

Price_____

**Pen No. 10 (Muscle Bulls)**

Birth Date: 30-Aug-19

Society ID: WNAQ392

Horn/Scurs/Poll: P

- ☒ A moderate framed bull with calving ease attributes
- ☒ A good backline & backend - supported by top 5% EMA EBV
- ☒ Exceptional DtC EBV & positive fats to assist female fertility attributes
- ☒ A tight pizzle to reduce the risk of bull break downs

WIRRUNA FLETCHER F214

WIRRUNA KILLARA K106

WIRRUNA MIDGE G482

Sire: **WIRRUNA NEUTRON N449 (WNAN449)**

OTAPAWA SPARK 3060 (IMP)

WIRRUNA VICTORIA J199

SOUTH BUKALONG VICTORIA 236

Easy-calve

MSU TCF REVOLUTION 4R

KCF BENNETT REVOLUTION X51

KCF MISS PROFICIENT U201

Dam: **WIRRUNA MADAM L98 (WNAL98)**

SOUTH BUKALONG WALLACE 2

WIRRUNA MADAM F18

WIRRUNA MADAM D232



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBV's				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+8.3	+6.0	-3.2	+2.0	+30	+46	+63	+39	+16
41%	33%	59%	71%	65%	65%	66%	61%	54%

FERTILITY EBV's		CARCASE EBV's						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+2.3	-7.3	+49	+6.4	+1.9	+2.2	+1.0	+1.0	+2
76%	39%	57%	48%	54%	58%	50%	55%	50%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
6	6	6	6	5	5	5		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	90/100	Hetz
\$173	\$170	\$174	\$119					Ph
				38	Serv.	NM%	3	

Purchaser_____

Price_____



Pen No. 10 (Muscle Bulls)

Birth Date: 31-Aug-19

Society ID: WNAQ397

Horn/Scurs/Poll: P

- ☒ Attractive & deep-bodied Techno son out of a top Donor
- ☒ Exceptional fertility traits rated in top-end of breed - top 1% SS EBV
- ☒ Scanned 2nd highest for marbling resulting in top 1% IMF EBV
- ☒ Overall, a very balanced trait bull with \$Indices in top 5%

'Star Lot'

KOANUI UNANIMOUS 7174

KOANUI UNANIMOUS 0408

KOANUI GIRLIE 3048

Sire: KOANUI TECHNO 3062 (OSA0216133062NZHB)

LEELANDS X-TENSION 293

KOANUI BLUSH 6455

KOANUI BLUSH 3304

WIRRUNA CHEVIOT C280

WIRRUNA GABU G134

SOUTH BUKALONG VICTORIA 202

Dam: WIRRUNA VICTORIA J302 (WNAJ302)

WIRRUNA VICKERY (S)

WIRRUNA VICTORIA G204 (H)

SOUTH BUKALONG VICTORIA 225



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+5.3	+4.7	-1.7	+3.4	+35	+69	+91	+70	+23
55%	46%	66%	74%	71%	71%	72%	67%	64%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+4.2	-6.3	+69	+6.3	+2.4	+3.4	-0.1	+2.8	+18
76%	47%	65%	57%	62%	65%	57%	64%	58%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
7	6	6	6	5	5	4		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$200	\$188	\$200	\$147					Homz
				41	Serv.	NM%	4	PP

Purchaser _____

Price _____



Pen No. 11 (Muscle Bulls)

Birth Date: 6-Sep-19

Society ID: WNAQ452

Horn/Scurs/Poll: P

- ☒ A deep-sided Napier son showing B- muscle & good growth
- ☒ Boost carcase attributes with top 1% quality (IMF%) & quantity (EMA)
- ☒ Scrotal Size EBV in the top 5% supported by good raw measurement
- ☒ Good arithmetic all-round helps achieve top 5% \$Index values - the profit EBV

'Star Lot'

WIRRUNA FLETCHER F214

WIRRUNA KATNOOK K74

WIRRUNA VICTORIA G7

Sire: WIRRUNA NAPIER N216 (WNAN216)

NJW 73S M326 TRUST 100W

WIRRUNA MABEL K428

WIRRUNA MABEL F127

WIRRUNA HERNANDO H47

WIRRUNA KIPLING K359

WIRRUNA MIRANDA H343

Dam: WIRRUNA MADAM M461 (WNAM461)

WIRRUNA GAYLORD G152

WIRRUNA MADAM K473

WIRRUNA MADAM D95



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+6.2	+4.7	-3.2	+4.1	+36	+66	+86	+61	+14
41%	31%	57%	72%	67%	66%	67%	62%	54%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.8	-3.8	+59	+7.3	+1.1	+1.0	+1.3	+2.4	-5
76%	38%	58%	48%	55%	59%	50%	56%	51%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							B-	
6	5	5	5	5	6	4		Temp. 2

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	80/100	Homz
\$197	\$189	\$201	\$145					PP
				41	Serv.	NM%	4	

Purchaser _____

Price _____

**Pen No. 11 (Muscle Bulls)**

Birth Date: 12-Sep-19

Society ID: WNAQ476

Horn/Scurs/Poll: S

- ☒ A well-muscled package with a deep-barrelled body
- ☒ Excellent EMA EBV in the top 5% of the breed
- ☒ Carries good calving ease figures with a low birth weight
- ☒ A good spread of EBVs with all \$Indices in the top 20% of the breed

Scurs

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: **WIRRUNA MALVERN M214 (WNAM214)**

SCHU-LAR ON TARGET 22S (IMP)

WIRRUNA GOLDEN VANITY J102

WIRRUNA GOLDEN VANITY F7

MSU TCF REVOLUTION 4R

KCF BENNETT REVOLUTION X51

KCF MISS PROFICIENT U201

Dam: **WIRRUNA VICTORIA L291 (WNAL291)**

MOUNT DIFFICULT FELLIS Y12 (AI)

WIRRUNA VICTORIA E156

SOUTH BUKALONG VICTORIA 202



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBV's				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+9.0	+5.0	+0.2	+1.6	+29	+50	+66	+48	+14
43%	36%	62%	71%	66%	66%	68%	63%	56%

FERTILITY EBV's		CARCASS EBV's						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+2.2	-4.8	+48	+6.1	+1.0	+1.4	+1.5	+0.7	+8
75%	40%	59%	50%	56%	60%	52%	57%	52%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
6	6	5	5	4	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Hetz
\$163	\$161	\$172	\$125					
				37	Serv.	NM%	4	Ph

Purchaser_____

Price_____

**Pen No. 11 (Muscle Bulls)**

Birth Date: 12-Sep-19

Society ID: WNAQ479

Horn/Scurs/Poll: P

- ☒ An easy-doing bull with moderate frame
- ☒ Top 5% EMA, top 15% IMF% & positive fat EBVs
- ☒ A low birth weight base with positive calving ease
- ☒ Carries strong milk, is homozygous polled & well pigmented eyes

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: **WIRRUNA NORTHGATE N489 (WNAN489)**

WIRRUNA GABU G134

WIRRUNA VICTORIA J302

WIRRUNA VICTORIA G204 (H)

Easy-calve

OKAWA MARSHALL 9178

WIRRUNA KERRY K264

WIRRUNA FLORA B329

Dam: **WIRRUNA PENELOPE M471 (WNAM471)**

KIDMAN THE DON Y220

WIRRUNA PENELOPE H58

WIRRUNA PENELOPE E230



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+4.0	+1.1	+0.1	+2.1	+26	+42	+62	+40	+21
41%	33%	55%	70%	64%	64%	66%	61%	53%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+2.4	-3.5	+51	+6.7	+1.9	+2.6	+1.2	+1.1	+1
75%	38%	56%	48%	54%	58%	50%	54%	47%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
6	5	6	6	5	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$136	\$131	\$140	\$103					PP
				38	Serv.	NM%	4	

Purchaser _____

Price _____



Pen No. 11 (Muscle Bulls)

Birth Date: 14-Sep-19

Society ID: WNAQ490

Horn/Scurs/Poll: P

- ☒ A deep-bodied & easy-doing bull with extra frame
- ☒ Improve carcase quality with top 5% genetic fats & IMF EBV
- ☒ Top 5% DtC EBV & a genetic dehorner of all progeny
- ☒ Carries top 10% profit traits - Northern Self Replacing \$Index in top 5%

ALLENDALE YACKA

ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA NORTHGATE N489 (WNAN489)

WIRRUNA GABU G134

WIRRUNA VICTORIA J302

WIRRUNA VICTORIA G204 (H)

Easy-calve

OTAPAWA SPARK 3060 (IMP)

WIRRUNA KANE K18

WIRRUNA GOLDEN VANITY G112

Dam: WIRRUNA GOLDEN VANITY M127 (WNAM127)

MOUNT DIFFICULT CADBURY

WIRRUNA GOLDEN VANITY J40

WIRRUNA GOLDEN VANITY G166



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+6.4	+4.9	-1.6	+3.5	+36	+64	+82	+68	+12
42%	34%	55%	70%	64%	64%	66%	61%	53%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.3	-5.8	+62	+5.3	+2.5	+3.7	-0.3	+2.0	+15
74%	38%	56%	47%	54%	58%	50%	55%	48%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
7	6	7	6	4	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$183	\$179	\$184	\$133					PP
				39	Serv.	NM%	3	

Purchaser _____

Price _____

**Pen No. 11 (Muscle Bulls)**

Birth Date: 18-Sep-19

Society ID: WNAQ505

Horn/Scurs/Poll: S

- ☒ A deep-bodied bull with lots of muscle through the hindquarter
- ☒ Puts together the rare combination of EMA, RBY% & IMF EBVs in the top 5%
- ☒ A tight pizzelle to reduce risk of bull breakdown
- ☒ A profitable spread of EBVs resulting in all \$Indices in the top 5%

Button Scurs

MATARIKI HOLY-SMOKE

WIRRUNA JUSTIN J13

WIRRUNA DOREEN G393

Sire: **WIRRUNA MCLAREN M175 (WNAM175)**

WIRRUNA FORT F382

WIRRUNA LORNA J413

MOUNT DIFFICULT LORNA C11

Easy-calve

ELITE 4110 E212

WIRRUNA HERNANDO H47

WIRRUNA VICTORIA F203

Dam: **WIRRUNA MIDGE K499 (WNAK499)**

WIRRUNA DAFFY D1

WIRRUNA MIDGE H296

WIRRUNA MIDGE C76



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBV's				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+10.4	+5.4	-2.5	+1.2	+35	+57	+69	+33	+12
47%	39%	64%	72%	68%	68%	69%	64%	58%

FERTILITY EBV's		CARCASS EBV's						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBY (%)	IMF (%)	Docility
+2.3	-4.3	+59	+6.1	+1.0	+1.3	+2.0	+1.7	+13
76%	42%	61%	51%	57%	61%	52%	59%	53%

STRUCTURAL ASSESSMENT								18-Jun-21
Front	Back	Front	Back				Muscle Score	
							C+	
7	5	6	6	5	5	5		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/95	Hetz
\$197	\$200	\$207	\$148					Ph
				38	Serv.	NM%	4	

Purchaser _____

Price _____

**Pen No. 11 (Muscle Bulls)**

Birth Date: 21-Sep-19

Society ID: WNAQ530

Horn/Scurs/Poll: P

- ☒ An early maturity bulls that fattens easily
- ☒ Supported by top 5% genetic rib & rump fats plus high marbling
- ☒ Very good EMA EBV in the top 5% of the breed
- ☒ Homozygous polled & SSR & NSR \$Indices in top 10% of breed

ALLENDALE YACKA

└─ ALLENDALE ANZAC E114

ALLENDALE DAWN B22 (AI) (ET)

Sire: WIRRUNA NORTHGATE N489 (WNAN489)

WIRRUNA GABU G134

└─ WIRRUNA VICTORIA J302

WIRRUNA VICTORIA G204 (H)

MATARIKI HOLY-SMOKE

└─ WIRRUNA JUSTIN J13

WIRRUNA DOREEN G393

Dam: WIRRUNA GOLDEN VANITY M208 (WNAM208)

WIRRUNA GABU G134

└─ WIRRUNA GOLDEN VANITY K94

WIRRUNA GOLDEN VANITY H77



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+1.1	+3.8	-0.8	+4.6	+37	+68	+92	+74	+15
45%	37%	60%	70%	65%	65%	67%	62%	55%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBV (%)	IMF (%)	Docility
+3.1	-5.3	+63	+6.2	+2.1	+3.4	+0.1	+1.7	+4
75%	40%	59%	49%	56%	59%	51%	57%	51%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							C+	
7	7	6	7	5	5	4		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	100/100	Homz
\$182	\$172	\$173	\$120					PP
				39	Serv.	NM%	4	

Purchaser_____

Price_____



Pen No. 11 (Muscle Bulls)

Birth Date: 26-Sep-19

Society ID: WNAQ545

Horn/Scurs/Poll: P

- ☒ A long National son with plenty of muscle
- ☒ Highest EMA EBV in the catalogue, top 1% EMA & RBY% EBVs
- ☒ Carries growth & carcase attributes ideal for improving MSA Index
- ☒ I like this bulls muscle, tight pizzle & homozygous polled genetics

MSU TCF REVOLUTION 4R

KCF BENNETT REVOLUTION X51

KCF MISS PROFICIENT U201

Sire: WIRRUNA NATIONAL N322 (WNAN322)

MATARIKI HOLY-SMOKE

WIRRUNA DOREEN J56

WIRRUNA DOREEN G327

ELITE X122 H2

WIRRUNA KEECH K93

WIRRUNA DOREEN H287

Dam: WIRRUNA MADAM M445 (WNAM445)

WIRRUNA GAYLORD G152

WIRRUNA MADAM J414

WIRRUNA MADAM D83



Jun 2021 GROUP BREEDPLAN EBV's

CALVING EASE EBVs				GROWTH & MATERNAL				
Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Weight	200-Day Growth	400-Day Weight	600-Day Weight	Mat Cow Weight	Genetic Milk
+3.0	+0.0	-0.9	+4.6	+40	+68	+89	+64	+14
41%	32%	60%	72%	66%	66%	67%	62%	53%

FERTILITY EBVs		CARCASE EBVs						
Scrotal Size (cm)	Days to Calving	Carc Weight	EMA (sq cm)	Rib Fat (mm)	Rump Fat (mm)	RBY (%)	IMF (%)	Docility
+1.8	-3.2	+69	+9.9	+0.7	+1.0	+3.0	+1.0	-1
76%	39%	57%	48%	54%	59%	51%	55%	50%

STRUCTURAL ASSESSMENT							18-Jun-21	
Front	Back	Front	Back				Muscle Score	
							B-	
7	7	5	6	5	5	5		Temp. 1

\$INDEX VALUE				HVC BULL CHECK			EYES	Polled Gene
SSR	NSR	SBM	NBT	16-Jun-21	Vet.	PM%	95/100	Homz
\$189	\$187	\$187	\$135					Homz
				37	Serv.	NM%	3	PP

Purchaser _____

Price _____



