Twin Oaks

ANGUS STUD – TE AKAU NZ

ANNUAL CALVING EASE YEARLING BULL SALE

New Zealand ANGUS PURE® PARTNER

AP AngusPRO

22 SEPTEMBER 2022

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Twin Oaks
ANGUS STUD — TE AKAU NZ

ANNUAL CALVING EASE YEARLING 22 SEPTEMBER 2022

WAIPAPA STATION, 163 CLEMETT ROAD, TE AKAU

Inspection from 10:30am

Sale Commences 1pm

Sale shed phone 07 829 7574

For any enquiries or for inspection before the sale, please contact

Roger and Susan Hayward

PHONE 07 828 2131

EMAIL twinoaksangus@gmail.com

Every Day is available to view the bulls.

Please ring, email or message to book a time

Sale will be conducted on farm and on BIDR.

Sale will be conducted in accordance with any COVID19 restrictions of the day

---

Rod Sands PGG Wrightson, Livestock Rep, Sth Canty **P** 027 431 4043
Cam Heggie PGG Wrightson, Livestock Genetics Rep. **P** 027 501 8182
Richard Johnston Hazlett Rural **P** 027 444 3511
Sam Wright PGG Wrightson, Livestock Rep. Hawkes Bay **P** 027 443 0905
Callum Dunnett Hazlett Rural **P** 027 462 0126
Bruce Orr Carrfields **P** 027 492 2122
John McKone PGG Wrightson, Livestock Genetics Auctioneer **P** 027 2299375

Mobile: +64 27 550 4018 | **Phone:** +64 6 835 8221 | **Email:** kim@anguspure.co.nz

FOREWORD

Welcome to our annual calving ease yearling bull sale..

We are excited to offer the first sons of Millah Murrah Paratrooper in New Zealand. We were at the auction when Paratrooper was sold for a then Australian Record of $160,000. He appealed to us with his soundness, strong pedigree, softness and his well-rounded EBV's. Paratrooper is stamping his progeny at Twin Oaks with strength, power, docility and structural soundness.

All bulls sold at auction are semen tested. We stand behind our product so believe that semen testing is a crucial part of providing a top of the line product that is ready to head out and get your cows and heifers in calf.

At Twin Oaks we are proud members of AngusPro and Angus Australia. Measuring our herd against a database of over 80,000 angus cattle means we are driven by performance benchmarks and indicators that are industry leading. This not only pushes us forward for breeding excellence, but improves our clients' bottom lines with more live calves on the ground, quicker growth rates and premium carcass traits.

We welcome you to view our operation at any time. Please just make contact and we would love to show you the engine house of the stud - the cows and calves out on the hills turning grass into meat!

We look forward to seeing you on sale day, either on farm or online with BIDR. Thanks

Roger, Susan, Thomas, Olivia, and Jessica

Olivia, Jessica, Susan, Thomas & Roger Hayward.

New Zealand ANGUS PURE.® PARTNER

AP AngusPRO

PLEASE BRING THIS CATALOGUE TO THE SALE

Insurance | Livestock | Agri-Supplies | Funding | Procurement

We are a business built on the belief that people come first

Our commitment to you is to provide quality advice, timely deliveries and extremely competitive pricing.
Give us a call and we'll prove it.

Talk to one of our Rural Blokes

- Callum Dunnett - 027 462 0126
- Richard Johnston - 027 444 3511
- Tom Mowat - 027 462 0190
- Angus Hazlett - 027 462 0136

Hazlett
People Together

INDEX

PARENT VERIFICATION EXPLAINED

The suffix displayed at the end of each animal's name indicates the DNA parentage verification that has been conducted by Angus New Zealand. The suffixes, and respective definitions are:

PV: both parents have been verified by DNA

SV: the sire has been verified by DNA

DV: the dam has been verified by DNA

#: DNA verification has not been conducted

E: DNA verification has identified that the sire and/or dam may possibly be incorrect, but this cannot be confirmed conclusively.

PARENTAGE ASSURED
BY ANGUS AUSTRALIA

PGG Wrightson Genetics

Breeding Better Business

As part of New Zealand's largest Livestock network, our team of Genetics Specialists have more contacts, more reach and more market influence.

We provide more practical advice and more technical expertise. And, with the country's largest network and most popular sales events, we bring together more buyers and more sellers, delivering more value for all.

If you're looking for a planned approach to success, give us a call today.

Cam Heggie
Genetics Representative
027 501 8182

Rod Sands
Livestock Representative
027 431 4043

Kelvin Sadler
Livestock Representative
027 430 2029

Dean Evans
Livestock Manager
027 243 1092

Bruce Dunbar
Livestock Representative
027 595 6473

Sam Wright
Livestock Representative
027 443 0905

Craig Knight
Livestock Representative
027 590 1331

Vaughn Larsen
Livestock Representative
0278 014 599

John McKone
Head Auctioneer
027 229 9375

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CONDITIONS OF SALE

The sale will be conducted in accordance with the Conditions of Sale as set down by the New Zealand Stock and Station Agents Association: a copy of which will be exhibited at the sale.

Each lot will be the property and responsibility of the purchaser at the fall of the hammer.

PURCHASING REBATE:

All intending purchases are required to register at the sales office prior to the sale.

A purchasing rebate of 6% will then be paid to non participating livestock companies and recognised independent livestock agents with approve credit facilities introducing and/or accompanying buyers to the sale.

Arrangements must be made with the auctioneer at least 4 HOURS PRIOR TO SALE AND SETTLEMENT MADE ON THE BUYERS BEHALF WITHIN 14 DAYS

THERE IS NO EXCEPTIONS TO THIS RULE!

DELIVERY:

The month following the sale. Bulls may be held by special arrangement. The vendors will pay the cartage.

INSURANCE:

We recommend you insure your bulls, an insurance agent will be available on the day.

INSTRUCTIONS:

Buyers are expected to register before the sale. Purchasers are to leave full instructions using the delivery sheet attached at the back of the catalogue.

GST:

All lots are sold exclusive of GST.

DISCLAIMER:

Although all care has been taken to ensure the accuracy of the information contained in this catalogue, no responsibility is accepted for any error or omission that might be contained herein.

HEALTH AND SAFETY:

Every effort will be taken by the vendors, auctioneers, their staff and assistants, both on the day of the sale as well as any visits to inspect, to insure the safety of intending buyers and visitors.

We wish however to advise that while this sale is run under normal management conditions, certain dangers exist in relation to livestock and their environment. Visitors should take care to ensure their personal safety.

STUD TRANSFERS:

Any bull sold requiring a stud transfer for use in a registered herd, be it semen or standing of the bull physically, will be at a minimum price of $10,000 for a yearling bull. The purchaser or agent must state at the fall of the hammer and on the buyer instruction slip if a transfer is required.

Any animals purchased by Angus NZ members, requiring a transfer; the transfer fee charged by angus NZ will be split 50/50 between Twin oaks and the Angus NZ purchaser.

ANIMAL HEALTH:

All TWIN OAKS bulls sold are:

- Lepto, Covexin 10 and BVD Vaccinated
- BVD blood tested clear
- Semen quality tested
- TB status C10 Herd
- All bulls sold at auction are free of known genetic defects

ALL Twin Oaks Sale bulls have genomically enhanced EBVs and are SIRE AND DAM verified.

UNDERSTANDING THE TRANSTASMAN ANGUS CATTLE EVALUATION (TACE)

What is the TransTasman Angus Cattle Evaluation?

The TransTasman Angus Cattle Evaluation is the genetic evaluation program adopted by Angus Australia for Angus and Angus influenced beef cattle. The TransTasman Angus Cattle Evaluation uses Best Linear Unbiased Prediction (BLUP) technology to produce Estimated Breeding Values (EBVs) of recorded cattle for a range of important production traits (e.g. weight, carcase, fertility).

The TransTasman Angus Cattle Evaluation is an international genetic evaluation and includes pedigree, performance and genomic information from the Angus Australia and Angus New Zealand databases, along with selected information from the American and Canadian Angus Associations.

The TransTasman Angus Cattle Evaluation utilises a range of genetic evaluation software, including the internationally recognised BLUPF90 family of programs, and BREEDPLAN® beef genetic evaluation analytical software, as developed by the Animal Genetics and Breeding Unit (AGBU), a joint institute of NSW Agriculture and the University of New England, and Meat and Livestock Australia Limited (MLA).

What is an EBV?

An animal's breeding value can be defined as its genetic merit for each trait. While it is not possible to determine an animal's true breeding value, it is possible to estimate it. These estimates of an animal's true breeding value are called EBVs (Estimated Breeding Values).

EBVs are expressed as the difference between an individual animal's genetics and a historical genetic level (i.e. group of animals) within the TACE genetic evaluation, and are reported in the units in which the measurements are taken.

Using EBVs to Compare the Genetics of Two Animals

TACE EBVs can be used to estimate the expected difference in the genetics of two animals, with the expected difference equating to half the difference in the EBVs of the animals, all other things being equal (e.g. they are joined to the same animal/s).

For example, a bull with a 200 Day Growth EBV of +60 would be expected to produce progeny that are, on average, 10 kg heavier at 200 days of age than a bull with a 200 Day Growth EBV of +40 kg (i.e. 20 kg difference between the sire's EBVs, then halved as the sire only contributes half the genetics).

Or similarly, a bull with an IMF EBV of +3.0 would be expected to produce progeny with on average, 1% more intramuscular fat in a 400 kg carcase than a bull with a IMF EBV of +1.0 (i.e. 2% difference between the sire's EBVs, then halved as the sire only contributes half the genetics).

Using EBVs to Benchmark an Animal's Genetics with the Breed

EBVs can also be used to benchmark an animal's genetics relative to the genetics of other Angus or Angus infused animals recorded with Angus Australia.

To benchmark an animal's genetics relative to other Angus animals, an animal's EBV can be compared to the EBV reference tables, which provide:

- the breed average EBV
- the percentile bands table

The current breed average EBV is listed on the bottom of each page in this publication, while the current EBV reference tables are included at the end of these introductory notes. For easy reference, the percentile band in which an animal's EBV ranks is also published in association with the EBV.

Considering Accuracy

An accuracy value is published with each EBV, and is usually displayed as a percentage value immediately below the EBV.

The accuracy value provides an indication of the reliability of the EBV in estimating the animal's genetics (or true breeding value), and is an indication of the amount of information that has been used in the calculation of the EBV.

EBVs with accuracy values below 50% should be considered as preliminary or of low accuracy, 50-74% as of medium accuracy, 75-90% of medium to high accuracy, and 90% or greater as high accuracy.

Description of TACE EBVs

EBVs are calculated for a range of traits within TACE, covering calving ease, growth, fertility, maternal performance, carcase merit, feed efficiency and structural soundness. A description of each EBV included in this publication is provided on the following page.

Calving Ease	**CEDir**	%	Genetic differences in the ability of a sire's calves to be born unassisted from 2 year old heifers.	Higher EBVs indicate fewer calving difficulties in 2 year old heifers.
	CEDtrs	%	Genetic differences in the ability of a sire's daughters to calve unassisted at 2 years of age.	Higher EBVs indicate fewer calving difficulties in 2 year old heifers.
	GL	days	Genetic differences between animals in the length of time from the date of conception to the birth of the calf.	Lower EBVs indicate shorter gestation length.
	BW	kg	Genetic differences between animals in calf weight at birth.	Lower EBVs indicate lighter birth weight.
Growth	**200 Day**	kg	Genetic differences between animals in live weight at 200 days of age due to genetics for growth.	Higher EBVs indicate heavier live weight.
	400 Day	kg	Genetic differences between animals in live weight at 400 days of age.	Higher EBVs indicate heavier live weight.
	600 Day	kg	Genetic differences between animals in live weight at 600 days of age.	Higher EBVs indicate heavier live weight.
	MCW	kg	Genetic differences between animals in live weight of cows at 5 years of age.	Higher EBVs indicate heavier mature weight.
	Milk	kg	Genetic differences between animals in live weight at 200 days of age due to the maternal contribution of its dam.	Higher EBVs indicate heavier live weight.
Fertility	**DtC**	days	Genetic differences between animals in the time from the start of the joining period (i.e. when the female is introduced to a bull) until subsequent calving.	Lower EBVs indicate shorter time to calving.
	SS	cm	Genetic differences between animals in scrotal circumference at 400 days of age.	Higher EBVs indicate larger scrotal circumference.
Carcase	**CWT**	kg	Genetic differences between animals in hot standard carcase weight at 750 days of age.	Higher EBVs indicate heavier carcase weight.
	EMA	cm^2	Genetic differences between animals in eye muscle area at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate larger eye muscle area.
	Rib Fat	mm	Genetic differences between animals in fat depth at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate more fat.
	P8 Fat	mm	Genetic differences between animals in fat depth at the P8 rump site in a 400 kg carcase.	Higher EBVs indicate more fat.
	RBY	%	Genetic differences between animals in boned out saleable meat from a 400 kg carcase.	Higher EBVs indicate higher yield.
	IMF	%	Genetic differences between animals in intramuscular fat (marbling) at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate more intramuscular fat.
Feed/ Temp.	**NFI-F**	kg/ day	Genetic differences between animals in feed intake at a standard weight and rate of weight gain when animals are in a feedlot finishing phase.	Lower EBVs indicate more feed efficiency.
	Doc	%	Genetic differences between animals in temperament.	Higher EBVs indicate better temperament.
Structure	**Foot Angle**	score	Genetic differences in foot angle (strength of pastern, depth of heel).	Lower EBVs indicate more desirable foot angle.
	Claw Set	score	Genetic differences in claw set structure (shape and evenness of claws).	Lower EBVs indicate more desirable claw structure.
Selection Index	**$A**	$	Genetic differences between animals in net profitability per cow joined in a typical commercial self replacing herd using Angus bulls. This selection index is not specific to a particular market end-point, but identifies animals that will improve overall net profitability in the majority of commercial, self replacing, grass and grain finishing beef production systems.	Higher selection indexes indicate greater profitability.
	$PRO	$	Genetic differences between animals in net profitability per cow joined in a commercial self replacing herd based in New Zealand that targets the production of grass finished steers for the AngusPure programme. Steers are assumed marketed at approximately 530 kg live weight (290 kg carcase weight with 10 mm P8 fat depth) at 20 months of age, with a significant premium for steers that exhibit superior marbling.	Higher selection indexes indicate greater profitability.

AngusPRO Index (API)

The research selection indexes have been developed for industry review and feedback prior to potential implementation into the TransTasman Angus Cattle Evaluation.

Selection Index Summary

- New Zealand production system
- Self replacing herd
- Daughters are retained for breeding
- Steer progeny are finished on pasture for the AngusPure programme
- Steer progeny slaughtered at a carcase weight of 290kg at 20 months of age
- Significant premium for steers that exhibit superior marbling

The AngusPRO index (PRO) estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd based in New Zealand that targets the production of grass finished steers for the AngusPure programme.

Daughters are retained for breeding and therefore female traits are of importance.

Steers are assumed marketed at approximately 530 kg live weight (290 kg carcase weight with 10 mm P8 fat depth) at 20 months of age, with a significant premium for steers that exhibit superior marbling.

TRAIT CONTRIBUTIONS

Figure 1 shows the traits that are considered in the PRO index, and how much they contribute to the overall balance of the selection index.

The larger the segment, the greater the impact on the selection index.

Figure 1: Trait Contribution to the AngusPRO Index

SELECTION ADVANTAGE

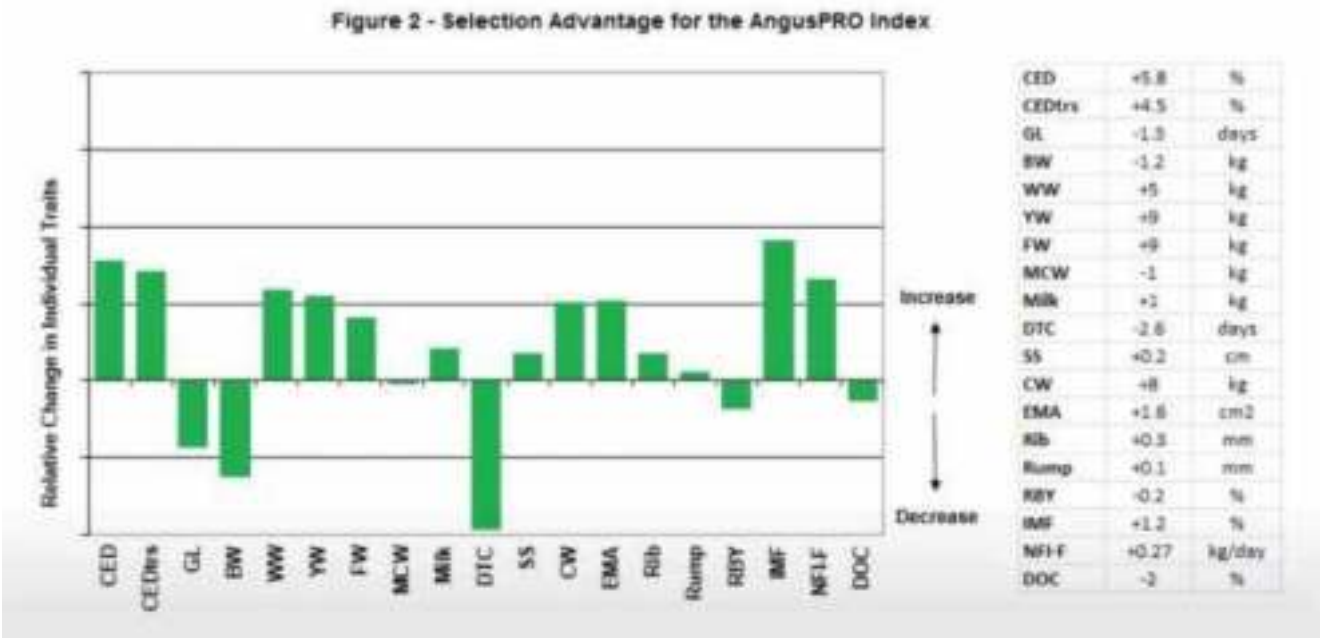
Figure 2 shows the selection advantage if animals are selected using the PRO index.

The selection advantage is calculated by ranking well used sires within the Angus breed on the PRO index, and comparing the average EBVs of the sires in the highest 10% with the average EBVs of all sires from which they were selected. For example, the sires ranked in the highest 10% based on the PRO index had 9 kg higher 400 Day Weight EBVs and 1.2 kg lower Birth Weight EBVs than the average EBVs of the sires from which they were selected.

The selection advantage is indicative of the long term direction and relativity of response that will occur in individual traits if selection is based on the PRO index. The actual response that is observed will vary depending on the features of the individual breeding program.

A feature of the PRO index is a selection advantage of close to 0 for mature cow weight, meaning that selection on this index will maintain mature cow weight, while still increasing growth to 200, 400 & 600 days of age.

Figure 2 - Selection Advantage for the AngusPRO Index



CED	+5.8	%
CEDtrs	+4.5	%
GL	-1.3	days
BW	-1.2	kg
WW	+5	kg
YW	+9	kg
FW	+9	kg
MCW	-1	kg
Milk	+1	kg
DTC	-2.6	days
SS	+0.2	cm
CW	+8	kg
EMA	+1.6	cm2
Rib	+0.3	mm
Rump	+0.1	mm
RBY	-0.2	%
IMF	+1.2	%
NFI-F	+0.27	kg/day
DOC	-2	%

ANGUSPURE PARTNER

AngusPure NZ has teamed up with 87 Angus studs who share in our vision - to focus on the end consumer. This stud is proud to be named as one of them, and by using the finest genetics and implementing best management practice they can help you produce more premium quality Angus beef.

Only our AngusPure Partner studs display these devices in their sale catalogues. They indicate bulls endorsed by AngusPure NZ.

ANGUSPURE ENDORSED BULLS

AngusPure NZ continues to endorse bulls for sale that are either at or above +$120 for the AngusPure index (API) and at or above $107 for the AngusPRO index (PRO). These indexes give commercial farmers confidence that by using these selection tools, bulls are most likely to leave progeny with superior carcase quality. At the same time they achieve desirable outcomes for self replacing herds, as the AngusPure & AngusPRO indexes still reward cattle with strong maternal attributes like calving ease, scrotal and growth, along with carcase weight.

To qualify, bulls will be => +$120 for AngusPure index OR => +$107 for AngusPRO index

EXTRA ANGUSPURE ENDORSEMENT FOR MARBLING

In addition to the 'A', and to assist bull buyers who wish to select for more marbling we are rewarding those animals that are either at or above +$140 for the AngusPure index and at or above $126 for the AngusPRO index. In addition to this they must have an IMF EBV (for marbling) equal to or greater than +2.0. These bulls will be awarded an 'A+' endorsement. Marbling is one of the very highest eating quality attributes and is necessary in order to meet some of the highest premium requirements for our export program, AngusPure Special Reserve.

To qualify, bulls will be => +$140 for AngusPure index OR => +$126 for AngusPRO index, and in addition all bulls must be => +2.0 for IMF EBV

AngusPure NZ recognises the need to lift the amount of marbling in our New Zealand cow genetics, in order to fill the requirements of consumers going forward. Marbling has two critical components; genetics and feeding. Feeding on a rising plane of nutrition is vital but without the genetics these attributes will not be able to express themselves.

NEW ZEALAND

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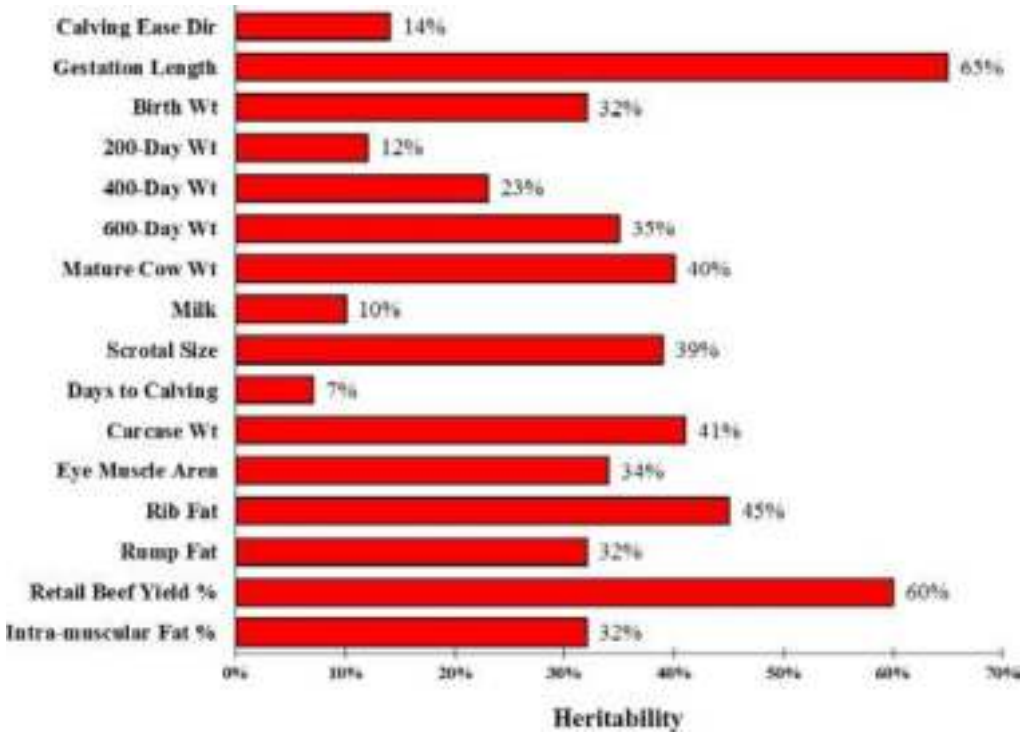
Xcell Breeding and Veterinary Services
143 Rangiora Woodend Road, Woodend 7610, North Canterbury ph 03 312 2191
www.xcell.co.nz

HERITABILITIES OF TRAITS IN ANGUS GROUP TACE (TRANSTASMAN CATTLE EVALUATION)

The degree to which genetic differences influence performance varies from trait to trait. This is explained by differences in the "heritability" of the traits.

Growth and carcase traits tend to have moderate to high heritabilities (i.e. 20 to 60%), whilst maternal traits have low heritabilities (10% or lower).

Angus Group TACE takes into account the different degrees of heritability of various traits, and the known genetic relationships between the traits.



This sale will be hosted by bidr® (www.bidr.co.nz) as a HYBRID auction, with online bidding and a live-stream available on sale day, as well as the normal on-farm format.

All intending ONLINE purchasers must register on bidr® in advance of the sale date, by visiting the website and using the "sign up" button, adding their contact information and nominating the agency they would like to purchase through and account held with that agency. Alternatively, purchasers can organise an agent from one of the agencies listed on bidr® to buy on their behalf. The bidr® team is always available to help purchasers get signed up and registered, and the HelpDesk is proudly managed in-house from the Waikato.

Please call 0800 TO BIDR (0800 86 2437), or email enquiries@bidr.co.nz for assistance at any point. Alternatively, contact your local bidr® representative:

National Sales and Operations Manager: Caitlin Rokela (027 405 6156)

Upper NI: Jess Davies (027 367 2837)

Lower NI: Aimee Flynn (027 282 1710)

Upper SI: Bianca Murch (027 732 0006)

Lower SI: Sam Murphy (027 243 2736)

SEMEN EVALUATION AND FERTILITY TESTING

Xcell Breeding Services 143 Rangiora Woodend Road, Woodend 7610, North Canterbury ph 03 312 2191 www.xcell.co.nz

Xcell's semen evaluation and fertility testing is a practical method to eliminate bulls with less than satisfactory breeding potential.

Semen collection and evaluation using electroejaculation is utilised worldwide for obtaining a semen sample, and is part of our procedure to demonstrate normal reproductive ability. Xcell Breeding and Veterinary services uses this safe and reliable method using highly skilled operators with modern equipment to assist the stud breeder in his desire to present quality animals for sale. Each bull featured in this catalogue has undergone Xcell's semen evaluation and fertility test.

The evaluation consists of;

1. Palpation and examination of the testicles, the testis should be firm, equal in size with no palpable abnormality and have scrotal diameter in keeping with industry standards.
2. The penis and sheath are examined for any apparent abnormality e.g. sores, lacerations, abscesses, hair rings, warts, cork screw, penile frenulum, scar tissue, signs of damage. During stimulation the penis must extend from the sheath, straight in the midline of the bull.
3. Microscopic evaluation of a semen sample for Motility (% of live sperm within the sample) and morphology (% of normal vs. abnormal sperm within the sample).

All the above information is considered and, where there is any departure from normal the bull is either failed outright or re-evaluated at a later date.

As the testing is often done some months prior to the bull being joined, it is important to appreciate that subsequent ill health or injury may render the animal either temporarily or permanently infertile.

It is important to observe young bulls working and it is good practice to back up mate with a proven sire after 2 cycles to cover the possibility of any possible subsequent temporary infertility.

Stud/Client Name: Roger & Susan Hayward – Twin Oaks

Date of testing: 15 August 2022

Greg Mckay, Managing Director

TransTasman Angus Cattle Evaluation - August 2022 Reference Tables

BREED AVERAGE EBVs

	CALVING EASE		BIRTH		GROWTH					FERTILITY				CARCASE					OTHER		INDEX
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DTC	CWT	EMA	RIB	P8	RBY	IMF	NFI-F	DOC	$PRO
Breed Avg	+2.1	+2.5	-4.7	+4.1	+49	+89	+116	+100	+17	+2.1	-4.6	+66	+6.1	+0.0	-0.4	+0.5	+2.1	0.18	-	$140

* Breed average represents the average EBV of all 2022 drop Australian Angus and Angus-influenced seedstock animals analysed in the August 2022 Trans Tasman Angus Cattle Evaluation.

PERCENTILE BANDS TABLE

	CALVING EASE		BIRTH		GROWTH					FERTILITY				CARCASE				OTHER	INDEX
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DTC	CWT	EMA	RIB	P8	RBY	IMF	NFI-F	AProIndex
	Less Calving Difficulty	Less Calving Difficulty	Shorter Gestation Length	Lighter Birth Weight	Heavier Live Weight	Heavier Live Weight	Heavier Live Weight	Heavier Live Weight	Heavier Live Weight	Larger Scrotal Size	Shorter Time to Calving	Heavier Carcase Weight	Larger EMA	More Fat	More Fat	Higher Yield	More IMF	Greater Feed Efficiency	Greater Profitability
1	+10.8	+9.8	-10.6	-0.1	+69	+120	+161	+158	+28	+4.7	-9.9	+93	+12.7	+3.5	+3.6	+2.9	+4.6	-0.57	$218
5	+9.0	+8.2	-8.7	+1.2	+62	+110	+146	+139	+25	+3.7	-8.3	+85	+10.5	+2.4	+2.2	+2.1	+3.8	-0.34	$196
10	+7.8	+7.2	-7.8	+1.9	+59	+105	+139	+129	+23	+3.3	-7.5	+80	+9.4	+1.8	+1.6	+1.7	+3.4	-0.22	$184
15	+7.0	+6.5	-7.2	+2.4	+57	+102	+135	+123	+22	+3.0	-6.9	+78	+8.7	+1.4	+1.2	+1.5	+3.1	-0.14	$176
20	+6.3	+5.9	-6.7	+2.7	+56	+100	+131	+119	+21	+2.8	-6.5	+75	+8.1	+1.1	+0.9	+1.3	+2.9	-0.08	$170
25	+5.6	+5.3	-6.3	+3.0	+54	+98	+128	115	+20	+2.7	-6.1	+74	+7.7	+0.9	+0.6	+1.1	+2.8	-0.03	$165
30	+5.0	+4.8	-5.9	+3.2	+53	+96	+125	+111	+20	+2.5	-5.8	+72	+7.3	+0.7	+0.4	+1.0	+2.6	+0.02	$160
35	+4.4	+4.4	-5.6	+3.5	+52	+94	+123	+108	+19	+2.4	-5.5	+70	+6.9	+0.5	+0.2	+0.9	+2.4	+0.06	$156
40	+3.9	+3.9	-5.2	+3.7	+51	+92	+120	+105	+18	+2.3	-5.2	+69	+6.6	+0.3	+0.0	+0.7	+2.3	+0.1	$151
45	+3.3	+3.4	-4.9	+3.9	+50	+91	+118	+103	+18	+2.1	-4.9	+68	+6.3	+0.1	-0.2	+0.6	+2.2	+0.14	$147
50	+2.7	+3.0	-4.7	+4.1	+49	+89	+116	+100	+17	+2.0	-4.6	+66	+6.0	+0.0	-0.4	+0.5	+2.0	+0.17	$143
55	+2.1	+2.5	-4.4	+4.3	+49	+88	+114	+97	+17	+1.9	-4.3	+65	+5.7	-0.2	-0.6	+0.4	+1.9	+0.21	$138
60	+1.5	+2.0	-4.1	+4.5	+48	+86	+112	+95	+16	+1.8	-4.1	+64	+5.4	-0.3	-0.8	+0.3	+1.8	+0.25	$134
65	+0.8	+1.4	-3.8	+4.7	+47	+85	+110	+92	+16	+1.7	-3.8	+62	+5.1	-0.5	-1.0	+0.1	+1.7	+0.29	$129
70	+0.1	+0.8	-3.4	+5.0	+46	+83	+107	+89	+15	+1.5	-3.5	+61	+4.8	-0.7	-1.2	+0.0	+1.5	+0.34	$124
75	-0.8	+0.1	-3.1	+5.2	+45	+81	+104	+86	+14	+1.4	-3.1	+59	+4.5	-0.9	-1.4	-0.1	+1.4	+0.39	$118
80	-1.7	-0.6	-2.7	+5.5	+43	+79	+102	+82	+14	+1.3	-2.8	+57	+4.1	-1.1	-1.6	-0.3	+1.3	+0.44	$112
85	-2.9	-1.5	-2.2	+5.9	+42	+77	+98	+78	+13	+1.1	-2.3	+55	+3.6	-1.4	-2.0	-0.5	+1.1	+0.51	$104
90	-4.5	-2.7	-1.7	+6.3	+40	+73	+94	+72	+12	+0.9	-1.8	+52	+3.1	-1.7	-2.4	-0.8	+0.9	+0.59	$92
95	-6.9	-4.6	-0.7	+7.0	+37	+69	+87	+63	+10	+0.5	-0.8	+48	+2.2	-2.2	-3.0	-1.2	+0.5	+0.72	$74
99	-12.3	-8.8	+1.3	+8.4	+30	+58	+72	+45	+7	-0.2	+1.2	+38	+0.2	-3.3	-4.3	-2.0	-0.1	+0.97	$37
	More Calving Difficulty	More Calving Difficulty	Longer Gestation Length	Heavier Birth Weight	Lighter Live Weight	Lighter Live Weight	Lighter Live Weight	Lighter Mature Weight	Heavier Live Weight	Smaller Scrotal Size	Longer Time to Calving	Lighter Carcase Weight	Smaller EMA	Less Fat	Less Fat	Lower Yield	Less IMF	Lower Feed Efficiency	Lower Profitability

* Breed average and percentile bands represent the distribution of EBVs across the 2020 drop Angus and Angus-influenced animals analysed in the May 2022 genetic evaluation.

	NAME / ID	CALVING EASE				GROWTH & MATERNAL				
		CE Dir	CE Dtrs	GL	BW	200	400	600	MWT	MILK
1	TWIN OAKS S063	+2.3	+6.6	-6.6	+3.0	+50	+88	+108	+99	+16
2	TWIN OAKS S205	+9.8	+9.2	-6.4	+1.2	+42	+80	+97	+70	+22
3	TWIN OAKS S037	+4.9	+4.9	-7.2	+2.6	+54	+103	+127	+98	+31
4	TWIN OAKS S053	+6.3	+8.2	-6.4	+3.2	+63	+117	+144	+113	+22
5	TWIN OAKS S155	+5.4	+8.6	-3.7	+1.3	+50	+90	+106	+91	+17
6	TWIN OAKS S099	+8.9	+7.1	-7.5	+1.2	+53	+101	+115	+92	+20
7	TWIN OAKS S239	+7.8	+5.1	-6.9	+2.5	+52	+93	+118	+90	+19
8	TWIN OAKS S199	+6.8	+7.7	-7.1	+2.5	+47	+89	+108	+88	+15
9	TWIN OAKS S135	+9.4	+11.3	-5.9	+1.0	+52	+100	+121	+110	+18
10	TWIN OAKS S221	+9.9	+9.5	-5.0	+1.8	+53	+94	+123	+95	+16
11	TWIN OAKS S085	+5.9	+5.0	-7.8	+4.1	+51	+95	+122	+100	+24
12	TWIN OAKS S201	+11.4	+11.2	-9.0	+0.2	+43	+87	+109	+93	+18
13	TWIN OAKS S183	+4.4	+3.6	-0.7	+3.5	+51	+91	+125	+123	+14
14	TWIN OAKS S039	+10.7	+10.9	-3.4	+2.2	+50	+87	+115	+106	+13
15	TWIN OAKS S147	+4.2	+7.4	-5.2	+4.9	+57	+106	+131	+104	+19
16	TWIN OAKS S103	+3.4	+7.6	-7.5	+3.6	+52	+97	+120	+89	+20
17	TWIN OAKS S107	+4.4	+6.8	-6.6	+3.9	+55	+102	+125	+112	+17
18	TWIN OAKS S113	+3.3	+6.4	-6.5	+4.3	+60	+106	+130	+118	+16
19	TWIN OAKS S241	+7.5	+5.0	-3.2	+2.7	+54	+95	+115	+105	+12
20	TWIN OAKS S143	+6.6	+8.2	-3.7	+3.5	+62	+113	+143	+117	+25
21	TWIN OAKS S011	+9.1	+9.4	-5.7	+2.9	+58	+106	+134	+107	+19
22	TWIN OAKS S233	+5.4	+5.2	-6.5	+4.1	+61	+112	+137	+116	+18
23	TWIN OAKS S013	+6.8	+9.1	-9.6	+3.2	+62	+107	+133	+120	+15
24	TWIN OAKS S191	+3.4	+3.7	-2.5	+4.5	+57	+105	+133	+126	+16
25	TWIN OAKS S237	+7.6	+8.0	-6.0	+2.3	+49	+91	+115	+105	+22
26	TWIN OAKS S021	+3.0	+8.2	-9.6	+4.7	+73	+131	+166	+151	+15
27	TWIN OAKS S091	+4.0	+4.4	-8.4	+4.4	+58	+107	+134	+104	+18
28	TWIN OAKS S297	+7.9	+7.3	-6.4	+2.9	+59	+107	+136	+110	+21
29	TWIN OAKS S255	+7.0	+9.8	-7.5	+3.7	+51	+96	+117	+111	+16
30	TWIN OAKS S329	+3.6	-3.0	-4.7	+3.2	+45	+93	+113	+82	+25
31	TWIN OAKS S219	+11.3	+9.0	-6.9	-0.6	+43	+80	+93	+64	+20
32	TWIN OAKS S307	+5.6	+3.8	-5.7	+4.3	+43	+83	+101	+103	+9
33	TWIN OAKS S047	+4.0	+7.5	-8.6	+4.0	+55	+104	+130	+102	+15
34	TWIN OAKS S167	+9.3	+6.8	-3.0	+0.9	+43	+78	+97	+53	+31
35	TWIN OAKS S159	+3.9	+8.1	-6.0	+3.9	+49	+94	+116	+107	+15
36	TWIN OAKS S083	+9.4	+9.1	-3.4	+0.3	+45	+81	+104	+83	+16
37	TWIN OAKS S257	+9.2	+8.0	-5.7	+1.9	+50	+92	+110	+87	+18
38	TWIN OAKS S141	+5.8	+11.0	-9.1	+4.3	+61	+111	+132	+103	+18
39	TWIN OAKS S195	+4.6	+4.0	-8.3	+2.5	+44	+77	+97	+57	+19
40	TWIN OAKS S359	+2.6	+6.1	-8.1	+4.7	+60	+113	+150	154	+14
41	TWIN OAKS S181	+3.6	+3.4	-4.6	+4.0	+53	+93	+120	+100	+15
42	TWIN OAKS S177	+9.6	+10.4	-9.1	-0.1	+40	+75	+86	+35	+18
43	TWIN OAKS S317	+6.5	+4.0	-6.3	+2.4	+55	+96	+121	+103	+15
44	TWIN OAKS S263	+8.5	+10.6	-5.2	+2.4	+57	+105	+131	+108	+12
45	TWIN OAKS S109	+8.7	+7.5	-4.2	+3.0	+53	+90	+111	+74	+19
46	TWIN OAKS S323	+11.9	+9.7	-3.9	-0.4	+45	+84	+108	+87	+14
47	TWIN OAKS S087	+1.2	+7.3	-3.1	+5.5	+49	+79	+101	+98	+6
48	TWIN OAKS S203	+6.6	+7.7	-4.0	+3.1	+46	+91	+118	+112	+14
49	TWIN OAKS S061	+9.0	+9.9	-6.7	+0.4	+43	+70	+86	+48	+17
50	TWIN OAKS S249	+6.5	+7.2	-1.7	+1.2	+44	+82	+98	+64	+25
51	TWIN OAKS S029	+3.6	+3.1	-4.5	+5.1	+46	+87	+110	+117	+11

FERTILITY		CARCASE								
SS	DC	CWT	EMA	RIB FAT	P8	RBY	IMF	NFI-F	$PRO	ANGUS PURE
+2.3	-8.1	+66	+4.7	+2.4	+2.2	-1.7	+2.7	+0.8	$156	A+
+0.9	-2.8	+59	+8.2	+1.2	+1.7	-0.7	+3.1	+0.25	$152	A+
+3.4	-4.1	+77	+6.8	+0.6	-0.4	+0.8	+1.3	+0.21	$133	A
+4.1	-4.8	+88	+8.6	-0.4	-0.5	+0.4	+2.6	+0.51	$200	A+
+2.8	-6.6	+63	+7.6	+0.8	+1.7	+0.2	+2.2	+0.42	$185	A+
+2.0	-3.6	+78	+10.9	-0.8	-0.9	+1.7	+2.3	-0.17	$191	A+
+2.4	-5.0	+72	+6.6	+0.9	-0.1	+0.3	+2.1	+0.61	$170	A+
+2.1	-2.4	+66	+9.0	+0.7	+0.0	+0.3	+1.9	+0.24	$141	A
+3.4	-7.2	+69	+4.0	+0.2	+0.7	+0.4	+1.1	-0.08	$181	A
+1.8	-3.6	+74	+6.8	+1.7	+0.9	-0.6	+2.1	+0.51	$177	A+
2.2	-5.4	+72	+1.5	-0.1	-0.2	+0.2	+2.3	+0.06	$152	A+
+2.6	-6.2	+60	+3.4	+2.1	+1.9	-1.7	+3.0	+0.44	$169	A+
+2.6	-4.5	+69	+5.3	+0.9	+0.4	-0.4	+2.4	+0.34	$142	A+
+2.4	-7.1	+61	+7.2	+2.7	+2.2	-1.0	+2.8	+0.91	$191	A+
+2.4	-3.4	+77	+7.8	-0.6	-1.0	+0.5	+1.8	+0.07	$153	A
+2.0	-4.7	+75	+6.7	+1.2	+1.6	+0.1	+1.7	+0.65	$161	A
+3.8	-4.9	75	+7.8	+1.8	+1.6	-0.1	+1.4	+0.20	$149	A
+1.3	-4.3	+75	+7.7	+1.3	+0.8	+0.1	+1.5	+0.15	$163	A
+1.6	-5.0	+80	+6.1	-0.2	+0.6	-0.2	+2.0	+0.24	$170	A+
+2.9	-3.0	+84	+9.9	-2.0	-2.2	+1.5	+1.7	+0.08	$166	A
+2.2	-2.5	+76	+6.1	-1.0	-1.7	+0.8	+1.6	-0.06	$169	A
+3.0	-3.9	+78	+7.0	-0.5	+0.2	+0.6	+1.7	+0.04	$176	A
+2.4	-3.5	+85	+6.6	+0.1	-1.2	+0.7	+1.5	+0.13	$175	A
+2.6	-6.5	+74	+3.1	+0.4	+1.3	-1.0	+2.3	+0.22	$157	A+
+2.9	-1.6	+67	+3.1	-1.4	-1.4	+0.2	+1.7	+0.0	$113	A
+3.5	-5.8	+99	+4.1	-1.5	+0.4	+0.0	+1.8	-0.04	$210	A
+1.4	-2.9	+76	+7.1	-1.6	-2.1	+1.4	+1.3	0.12	$164	A
+2.5	-6.2	+71	+5.5	+2.5	+2.7	-1.0	+1.8	0.21	$185	A
+2.4	-4.8	+73	+5.9	+0.7	-0.1	+0.6	+0.7	0.2	$134	A
+2.6	-4.6	+62	+1.8	+0.0	+1.9	-1.4	+3.7	0.77	$142	A+
+4.3	-4.2	+55	+10.4	+0.7	+0.8	+1.2	+1.6	0.45	$170	A
+1.6	-7.2	+57	+3.8	+1.7	+2.0	-1.7	+2.8	0.98	$141	A+
+3.7	-6.9	+72	+0.4	-0.6	+1.0	+0.3	+1.1	0.01	$184	A
+2.7	-5.6	60	+5.8	+1.5	+1.0	-0.8	+3.4	0.68	$158	A+
+1.9	-3.5	+71	+3.6	-1.3	-0.5	+0.0	+1.6	-0.25	$126	A
+2.1	-2.7	+49	+3.4	+1.2	+1.4	-0.6	+1.8	0.78	$152	A
+2.7	-5.9	+66	+7.7	+0.7	+0.5	+0.6	+1.1	0.4	$167	A
+2.4	-4.6	+77	+9.5	-2.2	-3.2	+2.2	+2.2	-0.05	$203	A+
+2.9	-3.7	+54	+7.2	-0.5	-0.8	+1.2	+1.2	-0.01	$138	A
+2.0	-5.3	+86	-2.5	-0.2	+0.1	-1.8	+2.9	0.01	$153	A+
+2.1	-4.8	+68	+2.8	+0.8	+0.2	-0.2	+1.6	0.2	$149	A
+2.6	-5.8	+60	+3.8	-0.1	-0.1	+0.1	+2.8	0.51	$194	A+
+3.2	-6.1	+71	+10.1	+0.3	+0.4	+1.5	+1.7	0.61	$200	A
+3.6	-6.8	+68	+3.2	+2.1	+2.0	-1.5	+3.1	0.91	$217	A+
+0.8	-3.8	+67	+5.7	+1.2	+1.7	-0.7	+1.7	0.16	$165	A
+2.9	-4.2	+62	+5.7	+0.0	-0.5	+0.2	+2.5	0.92	$177	A+
+2.2	-5.0	+50	+2.8	+2.4	+1.5	-0.7	+1.4	0.15	$123	A
+2.5	-6.9	+62	+3.9	+1.2	+1.0	-0.4	+1.6	0.68	$151	A
+1.1	-5.4	+46	+11.0	+1.1	+0.8	+0.2	+3.7	0.82	$207	A+
+2.4	-7.2	+55	+6.7	+2.1	+2.5	-0.6	+2.0	0.57	$162	A+
+1.9	-8.5	+64	+4.3	+1.3	+1.1	-0.2	+2.2	0.15	$149	A+

KEY

Shading for traits in the top 25% of Breed

Shading for traits in the top 50% of Breed

MCW are highlighted where they are lower than the 600 Day weight.

Lot 1 TWIN OAKS S063[PV] (HBR) FTW21S063

Mating Type: AI **DOB:** 15/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] TWIN OAKS MCBRIDE M347[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149118P094 TWIN OAKS BRONNIE P094[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS K060[SV]

AngusPro
API
$156
35

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+2.3	+6.6	-6.6	+3.0	+50	+88	+108	+99	+16	+2.3	-8.1	+66	+4.7	+2.4	+2.2	-1.7	+2.7	+0.80
Acc	59%	49%	70%	73%	72%	72%	73%	70%	63%	69%	38%	66%	64%	69%	66%	65%	64%	54%
Perc	54	14	21	25	48	53	69	53	58	37	6	51	72	5	5	98	26	97

Trait Observed: CE,BWT,200WT,Genomics

Lot 2 TWIN OAKS S205[PV] (HBR) FTW21S205

Mating Type: AI **DOB:** 24/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] KAKAHU KEYSTONE 14468[#]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149117N264 TWIN OAKS BRONNIE N264[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS BRONNIE J027[#]

AngusPro
API
$152
40

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.8	+9.2	-6.4	+1.2	+42	+80	+97	+70	+22	+0.9	-2.8	+59	+8.2	+1.2	+1.7	-0.7	+3.1	+0.25
Acc	59%	49%	71%	73%	73%	72%	73%	70%	63%	68%	39%	65%	64%	68%	65%	65%	64%	53%
Perc	3	2	23	5	83	79	86	92	17	89	79	76	20	18	9	88	15	60

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 3 TWIN OAKS S037[PV] (HBR) FTW21S037

Mating Type: AI **DOB:** 12/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

TWIN OAKS K065[#]

DAM: NZE20149116M282 TWIN OAKS M282[#]

FLORIDALE EMMA[#]

AngusPro
API
$133
61

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.9	+4.9	-7.2	+2.6	+54	+103	+127	+98	+31	+3.4	-4.1	+77	+6.8	+0.6	-0.4	+0.8	+1.3	+0.21
Acc	58%	49%	70%	73%	72%	72%	73%	69%	63%	68%	37%	65%	64%	68%	65%	65%	64%	53%
Perc	31	29	15	18	27	15	27	54	1	9	59	17	37	31	50	36	78	54

Trait Observed: CE,BWT,200WT,Genomics
Twin Oaks retains the right to collect semen for in herd use only, at Twin Oaks expense, for perpetuity.

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 4 TWIN OAKS S053[PV] (HBR) FTW21S053

Mating Type: AI **DOB:** 14/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

MATAURI COMPLETE F010[#]

DAM: NZE20149114K188 TWIN OAKS VERA K188[#]

GOLDWYN F412[#]

PARENTAGE ASSURED

HEIFER MATING OPTION

HD50K

AngusPro
API
$200
4

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.3	+8.2	-6.4	+3.2	+63	+117	+144	+113	+22	+4.1	-4.8	+88	+8.6	-0.4	-0.5	+0.4	+2.6	+0.51
Acc	59%	48%	70%	74%	72%	72%	73%	69%	63%	69%	38%	65%	64%	68%	65%	64%	63%	53%
Perc	20	5	23	29	5	2	7	27	17	3	46	3	16	61	52	53	29	85

Trait Observed: CE,BWT,200WT,Genomics
Twin Oaks retains the right to collect semen for in herd use only, at Twin Oaks expense, for perpetuity.

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 5 TWIN OAKS S155[PV] (HBR) FTW21S155

Mating Type: AI **DOB:** 19/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

MUSGRAVE BIG SKY[PV]

DAM: NZE20149116M180 TWIN OAKS EBONY M180[PV]

MATAURI F003[SV]

AngusPro
API
$185
10

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+5.4	+8.6	-3.7	+1.3	+50	+90	+106	+91	+17	+2.8	-6.6	+63	+7.6	+0.8	+1.7	+0.2	+2.2	+0.42
Acc	59%	50%	72%	73%	72%	72%	72%	69%	63%	68%	40%	65%	64%	68%	65%	64%	64%	54%
Perc	27	4	66	6	47	47	73	67	52	20	18	63	26	26	9	61	43	78

Trait Observed: CE,BWT,200WT,Genomics
Twin Oaks retains the right to collect semen for in herd use only, at Twin Oaks expense, for perpetuity.

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 6 TWIN OAKS S099[PV] (HBR) FTW21S099

Mating Type: AI **DOB:** 16/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] EXAR MONUMENTAL 6056B[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149119Q060 TWIN OAKS CREEK Q060[PV]**

MILLAH MURRAH ELA M9[PV] GOLDWYN G115[#]

AngusPro
API
$191
7

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+8.9	+7.1	-7.5	+1.2	+53	+101	+115	+92	+20	+2.0	-3.6	+78	+10.9	-0.8	-0.9	+1.7	+2.3	-0.17
Acc	59%	48%	71%	73%	72%	72%	72%	69%	62%	68%	37%	65%	64%	68%	65%	65%	64%	53%
Perc	6	11	12	5	30	17	54	66	25	49	68	14	4	72	63	10	39	13

Trait Observed: CE,BWT,200WT,Genomics

Twin Oaks retains the right to collect semen for in herd use only, at Twin Oaks expense, for perpetuity.

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 7 TWIN OAKS S239[PV] (HBR) FTW21S239

Mating Type: AI **DOB:** 27/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

CRAWFORD BEEF BANK D660[#]

DAM: NZE20149118P148 TWIN OAKS WAI P148[PV]

TWIN OAKS WAI L122[#]

PARENTAGE ASSURED

HEIFER MATING OPTION

HDSOK

AngusPro
API
$170
21

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+7.8	+5.1	-6.9	+2.5	+52	+93	+118	+90	+19	+2.4	-5.0	+72	+6.6	+0.9	-0.1	+0.3	+2.1	+0.61
Acc	58%	48%	70%	73%	72%	72%	72%	69%	62%	68%	37%	65%	64%	68%	65%	65%	64%	53%
Perc	10	27	18	17	36	38	47	68	38	33	43	30	40	24	42	57	46	91

Trait Observed: CE,BWT,200WT,Genomics

Twin Oaks retains the right to collect semen for in herd use only, at Twin Oaks expense, for perpetuity.

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 8 TWIN OAKS S199[PV] (HBR) FTW21S199

Mating Type: AI **DOB:** 23/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] | G A R MOMENTUM[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] | **DAM: NZE20149118P062 TWIN OAKS ALDA P062[PV]**

MILLAH MURRAH ELA M9[PV] | TWIN OAKS ALDA G48[#]

AngusPro
API
$141
53

TACE

Mid August 2022 TransTasman Angus Cattle Evaluation																		
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.8	+7.7	-7.1	+2.5	+47	+89	+108	+88	+15	+2.1	-2.4	+66	+9.0	+0.7	+0.0	+0.3	+1.9	+0.24
Acc	59%	49%	70%	73%	72%	71%	72%	69%	62%	68%	39%	65%	64%	68%	65%	65%	64%	54%
Perc	16	7	16	17	61	50	68	72	73	45	84	51	13	29	39	57	54	58

Trait Observed: CE,BWT,200WT,Genomics

Lot 9 TWIN OAKS S135[PV] (HBR) FTW21S135

Mating Type: AI **DOB:** 18/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] | MUSGRAVE MEDIATOR[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] | **DAM: NZE20149117N098 TWIN OAKS WILMA N098[PV]**

MILLAH MURRAH ELA M9[PV] | TWIN OAKS WILMA K076[#]

AngusPro
API
$181
13

TACE

Mid August 2022 TransTasman Angus Cattle Evaluation																		
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.4	+11.3	-5.9	+1.0	+52	+100	+121	+110	+18	+3.4	-7.2	+69	+4.0	+0.2	+0.7	+0.4	+1.1	-0.08
Acc	58%	48%	70%	73%	72%	72%	73%	70%	62%	67%	37%	65%	64%	68%	65%	64%	63%	53%
Perc	4	1	30	4	36	20	39	32	44	9	12	39	81	42	23	53	84	20

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 10 TWIN OAKS S221[PV] (HBR) FTW21S221

Mating Type: AI **DOB:** 25/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV]

SIRE: NZE20149018P183 TWIN OAKS P183[PV]

TWIN OAKS VALENTINE M52[PV]

KAKAHU KEYSTONE 14468[#]

DAM: NZE20149118P230 TWIN OAKS BELL P230[PV]

TWIN OAKS BELL J068[#]

AngusPro
API
$177
15

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.9	+9.5	-5.0	+1.8	+53	+94	+123	+95	+16	+1.8	-3.6	+74	+6.8	+1.7	+0.9	-0.6	+2.1	+0.51
Acc	55%	49%	67%	71%	70%	69%	70%	68%	62%	63%	38%	64%	60%	66%	62%	63%	61%	52%
Perc	3	2	44	9	32	37	35	60	57	58	68	25	37	11	19	87	46	85

Trait Observed: CE,BWT,200WT,Genomics

Lot 11 TWIN OAKS S085[PV] (HBR) FTW21S085

Mating Type: AI **DOB:** 15/08/2021 AMFU,CAFU,DDFU,NHFU

EXAR MONUMENTAL 6056B[PV]

SIRE: NZE20149019Q093 TWIN OAKS AMARILLO Q093[PV]

TWIN OAKS RUBY K010[SV]

MUSGRAVE MEDIATOR[PV]

DAM: NZE20149117N108 TWIN OAKS ROSETTA N108[PV]

GOLDWYN G170[#]

AngusPro
API
$152
39

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+5.9	+5.0	-7.8	+4.1	+51	+95	+122	+100	+24	+2.2	-5.4	+72	+1.5	-0.1	-0.2	+0.2	+2.3	+0.06
Acc	52%	45%	68%	71%	69%	68%	69%	68%	61%	63%	33%	63%	59%	65%	61%	61%	59%	49%
Perc	23	28	10	49	42	31	37	50	8	41	36	29	97	52	44	61	39	35

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 12 TWIN OAKS S201[PV] (HBR) FTW21S201

Mating Type: AI **DOB:** 24/08/2021 AMF,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV]

SIRE: NZE20149018P183 TWIN OAKS P183[PV]

TWIN OAKS VALENTINE M52[PV]

KAKAHU KEYSTONE 14468#

DAM: NZE20149118P318 TWIN OAKS TOPAZ P318[PV]

TWIN OAKS VALENTINE K039#

AngusPro
API
$169
22

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+11.4	+11.2	-9.0	+0.2	+43	+87	+109	+93	+18	+2.6	-6.2	+60	+3.4	+2.1	+1.9	-1.7	+3.0	+0.44
Acc	55%	49%	68%	72%	69%	68%	70%	68%	62%	64%	38%	64%	61%	66%	63%	63%	61%	52%
Perc	1	1	4	2	82	57	66	63	45	26	23	73	87	7	7	98	18	80

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 13 TWIN OAKS S183[PV] (HBR) FTW21S183

Mating Type: Natural **DOB:** 22/08/2021 AMFU,CAFU,DDFU,NHFU

BEN NEVIS METAMORPHIC M51[SV]

SIRE: NZE20149019Q041 TWIN OAKS Q041[PV]

TWIN OAKS ROSETTA N285[PV]

EXAR MONUMENTAL 6056B[PV]

DAM: NZE20149119Q116 TWIN OAKS VALENTINE Q116[PV]

TWIN OAKS VALENTINE L77[#]

AngusPro
API
$142
52

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.4	+3.6	-0.7	+3.5	+51	+91	+125	+123	+14	+2.6	-4.5	+69	+5.3	+0.9	+0.4	-0.4	+2.4	+0.34
Acc	52%	45%	63%	69%	67%	66%	67%	66%	59%	61%	33%	62%	58%	64%	59%	60%	58%	48%
Perc	35	43	95	35	42	44	31	16	77	26	52	41	62	24	29	82	35	70

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 14 TWIN OAKS S039[PV] (HBR) FTW21S039

Mating Type: AI **DOB:** 13/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV] KAKAHU KEYSTONE 14468[#]

SIRE: NZE20149018P073 TWIN OAKS P073[PV] **DAM: NZE20149119Q210 TWIN OAKS BETH Q210[PV]**

TWIN OAKS BREEZE M127[PV] TWIN OAKS BETH M173[PV]

AngusPro
API
$191
7

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+10.7	+10.9	-3.4	+2.2	+50	+87	+115	+106	+13	+2.4	-7.1	+61	+7.2	+2.7	+2.2	-1.0	+2.8	+0.91
Acc	55%	49%	66%	71%	70%	69%	70%	69%	62%	64%	38%	64%	61%	67%	63%	64%	62%	52%
Perc	2	1	70	13	48	59	53	39	86	33	13	68	31	4	5	93	23	99

Trait Observed: CE,BWT,200WT,Genomics

Lot 15 TWIN OAKS S147[PV] (HBR) FTW21S147

Mating Type: AI **DOB:** 19/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] TWIN OAKS N074[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149119Q248 TWIN OAKS BRAID Q248[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS J203[#]

AngusPro
API
$153
39

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.2	+7.4	-5.2	+4.9	+57	+106	+131	+104	+19	+2.4	-3.4	+77	+7.8	-0.6	-1.0	+0.5	+1.8	+0.07
Acc	57%	47%	70%	72%	71%	71%	72%	69%	61%	67%	37%	64%	63%	67%	64%	64%	63%	52%
Perc	37	9	40	68	18	10	20	44	38	33	71	17	24	66	65	49	59	36

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 16 TWIN OAKS S103[PV] (HBR) FTW21S103

Mating Type: AI **DOB:** 16/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

TWIN OAKS M022[DV]

DAM: NZE20149118P336 TWIN OAKS DONNA P336[PV]

TWIN OAKS DONNA M041[PV]

PARENTAGE ASSURED

HEIFER MATING OPTION

HDSOK

AngusPro
API
$161
29

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.4	+7.6	-7.5	+3.6	+52	+97	+120	+89	+20	+2.0	-4.7	+75	+6.7	+1.2	+1.6	+0.1	+1.7	+0.65
Acc	57%	47%	70%	72%	71%	71%	71%	68%	61%	67%	37%	64%	63%	67%	64%	64%	63%	52%
Perc	44	8	12	37	37	27	42	70	27	49	48	20	38	18	10	65	63	93

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs

Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 17 TWIN OAKS S107[PV] (HBR) FTW21S107

Mating Type: AI **DOB:** 16/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

LD CAPITALIST 316[PV]

DAM: NZE20149118P130 TWIN OAKS QUALITY P130[PV]

TWIN OAKS QUALITY K147[SV]

AngusPro
API
$149
43

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.4	+6.8	-6.6	+3.9	+55	+102	+125	+112	+17	+3.8	-4.9	+75	+7.8	+1.8	+1.6	-0.1	+1.4	+0.20
Acc	61%	51%	72%	74%	73%	73%	74%	71%	64%	69%	41%	67%	66%	70%	67%	66%	65%	56%
Perc	35	13	21	44	25	16	30	30	54	5	44	22	24	10	10	73	74	53

Trait Observed: CE,BWT,200WT,Genomics

Lot 18 TWIN OAKS S113[PV] (HBR) FTW21S113

Mating Type: AI **DOB:** 17/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

TWIN OAKS M022[DV]

DAM: NZE20149118P326 TWIN OAKS BESS P326[PV]

TWIN OAKS BESS M169[PV]

AngusPro
API
$163
27

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.3	+6.4	-6.5	+4.3	+60	+106	+130	+118	+16	+1.3	-4.3	+75	+7.7	+1.3	+0.8	+0.1	+1.5	+0.15
Acc	57%	47%	70%	73%	71%	71%	72%	69%	61%	67%	37%	64%	63%	67%	64%	64%	63%	52%
Perc	45	16	22	54	10	10	23	21	60	78	55	21	25	16	21	65	70	47

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs

Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 19 TWIN OAKS S241[PV] (HBR) FTW21S241

Mating Type: AI **DOB:** 27/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV]

SIRE: NZE20149018P073 TWIN OAKS P073[PV]

TWIN OAKS BREEZE M127[PV]

TE MANIA 11 465[SV]

DAM: NZE20149116M273 TWIN OAKS MOANA M273[PV]

TWIN OAKS MOANA J028[SV]

AngusPro
API
$170
21

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+7.5	+5.0	-3.2	+2.7	+54	+95	+115	+105	+12	+1.6	-5.0	+80	+6.1	-0.2	+0.6	-0.2	+2.0	+0.24
Acc	56%	50%	65%	71%	70%	69%	70%	69%	62%	64%	38%	64%	61%	67%	63%	63%	62%	52%
Perc	12	28	73	20	25	33	54	41	91	66	43	12	48	55	25	76	50	58

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 20 TWIN OAKS S143[PV] (HBR) FTW21S143

Mating Type: AI **DOB:** 19/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

BEN NEVIS METAMORPHIC M51[SV]

DAM: NZE20149119Q002 TWIN OAKS PORTIA Q002[PV]

TWIN OAKS PORTIA M222[DV]

PARENTAGE ASSURED

HEIFER MATING OPTION

HD 50K

AngusPro
API
$166
25

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.6	+8.2	-3.7	+3.5	+62	+113	+143	+117	+25	+2.9	-3.0	+84	+9.9	-2.0	-2.2	+1.5	+1.7	+0.08
Acc	58%	48%	70%	73%	72%	71%	72%	68%	62%	68%	37%	65%	64%	68%	65%	64%	63%	53%
Perc	18	5	66	35	6	4	7	23	6	18	77	6	8	93	88	14	63	38

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 21 TWIN OAKS S011[PV] (HBR) FTW21S011

Mating Type: AI **DOB:** 08/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] LD CAPITALIST 316[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149119Q074 TWIN OAKS RUBY Q074[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS RUBY G49[PV]

AngusPro
API
$169
21

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.1	+9.4	-5.7	+2.9	+58	+106	+134	+107	+19	+2.2	-2.5	+76	+6.1	-1.0	-1.7	+0.8	+1.6	-0.06
Acc	59%	50%	70%	72%	71%	71%	72%	69%	62%	68%	39%	65%	64%	68%	65%	64%	63%	53%
Perc	5	2	33	23	14	10	16	37	38	41	83	19	48	77	81	36	67	22

Trait Observed: CE,BWT,200WT,Genomics

Lot 22 TWIN OAKS S233[PV] (HBR) FTW21S233

Mating Type: AI **DOB:** 27/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] TWIN OAKS N114[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149119Q172 TWIN OAKS THEOLA Q172[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS THEOLA H33#

AngusPro
API
$176
16

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+5.4	+5.2	-6.5	+4.1	+61	+112	+137	+116	+18	+3.0	-3.9	+78	+7.0	-0.5	+0.2	+0.6	+1.7	+0.04
Acc	57%	46%	69%	72%	71%	70%	71%	68%	60%	66%	36%	63%	62%	66%	63%	63%	62%	51%
Perc	27	26	22	49	8	5	13	24	44	15	63	15	34	64	34	44	63	33

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs

Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 23 TWIN OAKS S013[PV] (HBR) FTW21S013

Mating Type: AI **DOB:** 08/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] LD CAPITALIST 316[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149119Q058 TWIN OAKS BLOSSOM N313[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS BLOSSOM N313[PV]

AngusPro
API
$175
17

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.8	+9.1	-9.6	+3.2	+62	+107	+133	+120	+15	+2.4	-3.5	+85	+6.6	+0.1	-1.2	+0.7	+1.5	+0.13
Acc	60%	50%	71%	73%	72%	72%	72%	69%	63%	68%	39%	66%	64%	69%	65%	65%	64%	54%
Perc	16	3	3	29	6	8	18	19	72	33	69	6	40	45	70	40	70	44

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 24 TWIN OAKS S191[PV] (HBR) FTW21S191

Mating Type: AI **DOB:** 23/08/2021 AMFU,CAFU,DDFU,NHFU

BEN NEVIS METAMORPHIC M51[SV]

SIRE: NZE20149019Q187 TWIN OAKS RAMBO Q187[PV]

TWIN OAKS ZODIAC M2[PV]

KAKAHU KEYSTONE 14468[#]

DAM: NZE20149118P066 TWIN OAKS HEAVEN P066[PV]

TWIN OAKS HEAVEN M370[PV]

AngusPro
API
$157
33

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.4	+3.7	-2.5	+4.5	+57	+105	+133	+126	+16	+2.6	-6.5	+74	+3.1	+0.4	+1.3	-1.0	+2.3	+0.22
Acc	53%	47%	64%	70%	68%	67%	68%	67%	60%	61%	35%	62%	59%	65%	61%	61%	59%	50%
Perc	44	42	82	59	16	11	17	13	61	26	19	24	90	37	13	93	39	56

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 25 TWIN OAKS S237[PV] (HBR) FTW21S237

Mating Type: AI **DOB:** 27/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] IRELANDS GAPSTED G25[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149114K171 TWIN OAKS BETH K171[SV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS BETH 2-4#

AngusPro
API
$113
79

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+7.6	+8.0	-6.0	+2.3	+49	+91	+115	+105	+22	+2.9	-1.6	+67	+3.1	-1.4	-1.4	+0.2	+1.7	+0.00
Acc	60%	49%	72%	74%	73%	73%	73%	70%	64%	69%	41%	66%	65%	69%	66%	66%	65%	55%
Perc	11	6	28	14	54	45	54	41	17	18	91	46	90	85	75	61	63	28

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 26 TWIN OAKS S021[PV] (HBR) FTW21S021

Mating Type: AI **DOB:** 10/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

KAKAHU KEYSTONE 14468[#]

DAM: NZE20149119Q226 TWIN OAKS WILMA Q226[PV]

TWIN OAKS WILMA M85[PV]

AngusPro
API
$210
2

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.0	+8.2	-9.6	+4.7	+73	+131	+166	+151	+15	+3.5	-5.8	+99	+4.1	-1.5	+0.4	+0.0	+1.8	-0.04
Acc	59%	49%	70%	72%	72%	71%	72%	69%	62%	68%	38%	65%	64%	68%	65%	64%	63%	53%
Perc	47	5	3	63	1	1	1	2	69	7	29	1	80	87	29	69	59	24

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 27 TWIN OAKS S091[SV] (HBR) FTW21S091

Mating Type: AI **DOB:** 16/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] S A V ANGUS VALLEY 1867[SV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149115L186 TWIN OAKS L186[#]**

MILLAH MURRAH ELA M9[PV] GOLDWYN E372[#]

AngusPro
API
$164
26

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.0	+4.4	-8.4	+4.4	+58	+107	+134	+104	+18	+1.4	-2.9	+76	+7.1	-1.6	-2.1	+1.4	+1.3	+0.12
Acc	59%	48%	71%	74%	73%	73%	73%	70%	63%	68%	38%	66%	65%	69%	66%	65%	64%	53%
Perc	39	35	7	57	15	9	16	42	46	74	78	19	33	88	87	17	78	43

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 28 TWIN OAKS S297[PV] (HBR) FTW21S297

Mating Type: AI **DOB:** 03/09/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV] TWIN OAKS N016[PV]

SIRE: NZE20149018P183 TWIN OAKS P183[PV] **DAM: NZE20149119Q228 TWIN OAKS CAROL Q228[PV]**

TWIN OAKS VALENTINE M52[PV] GOLDWYN G164[#]

PARENTAGE ASSURED

HEIFER MATING OPTION

HDSOK

AngusPro
API
$185
10

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+7.9	+7.3	-6.4	+2.9	+59	+107	+136	+110	+21	+2.5	-6.2	+71	+5.5	+2.5	+2.7	-1.0	+1.8	+0.21
Acc	53%	47%	67%	71%	69%	68%	69%	68%	61%	62%	36%	63%	59%	65%	61%	62%	60%	50%
Perc	10	10	23	23	11	8	14	33	23	29	23	32	59	4	3	93	59	54

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 29 TWIN OAKS S255[PV] (HBR) FTW21S255

Mating Type: AI **DOB:** 28/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] | KAKAHU KEYSTONE 14468[#]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] | **DAM: NZE20149117N087 TWIN OAKS CHRISTA N087[PV]**

MILLAH MURRAH ELA M9[PV] | TWIN OAKS CHRISTA 875[#]

AngusPro
API
$134
60

A

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+7.0	+9.8	-7.5	+3.7	+51	+96	+117	+111	+16	+2.4	-4.8	+73	+5.9	+0.7	-0.1	+0.6	+0.7	+0.20
Acc	59%	48%	73%	74%	73%	72%	73%	70%	63%	69%	39%	66%	64%	69%	65%	65%	64%	54%
Perc	15	1	12	40	44	30	48	30	58	33	46	28	52	29	42	44	92	53

Trait Observed: CE,BWT,200WT,Genomics

Lot 30 TWIN OAKS S329[PV] (HBR) FTW21S329

Mating Type: Natural **DOB:** 09/09/2021 AMFU,CAFU,DDFU,NHFU

G A R MOMENTUM[PV] | TWIN OAKS J049[#]

SIRE: NZE20149019Q209 TWIN OAKS Q209[PV] | **DAM: NZE20149115L151 TWIN OAKS RUBY L151[#]**

TWIN OAKS BRAID M44[PV] | TWIN OAKS RUBY J108[#]

AngusPro
API
$142
52

A+

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.6	-3.0	-4.7	+3.2	+45	+93	+113	+82	+25	+2.6	-4.6	+62	+1.8	+0.0	+1.9	-1.4	+3.7	+0.77
Acc	52%	47%	65%	69%	68%	67%	68%	67%	61%	62%	37%	63%	59%	65%	61%	62%	60%	51%
Perc	42	91	49	29	74	37	57	80	6	26	50	67	97	49	7	97	6	97

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs

Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 31 TWIN OAKS S219[PV] (HBR) FTW21S219

Mating Type: AI **DOB:** 25/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] | BUBS SOUTHERN CHARM AA31[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] | **DAM: NZE20149118P208 TWIN OAKS RONA P208[PV]**

MILLAH MURRAH ELA M9[PV] | GOLDWYN F443[#]

AngusPro
API
$170
21

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+11.3	+9.0	-6.9	-0.6	+43	+80	+93	+64	+20	+4.3	-4.2	+55	+10.4	+0.7	+0.8	+1.2	+1.6	+0.45
Acc	59%	50%	72%	74%	73%	73%	73%	70%	63%	69%	40%	66%	65%	69%	66%	66%	65%	55%
Perc	1	3	18	1	80	79	91	95	24	2	57	85	6	29	21	22	67	81

Trait Observed: CE,BWT,200WT,Genomics

Lot 32 TWIN OAKS S307[PV] (HBR) FTW21S307

Mating Type: Natural **DOB:** 04/09/2021 AMFU,CAFU,DDFU,NHFU

BEN NEVIS METAMORPHIC M51[SV] | TE MANIA 11 465[SV]

SIRE: NZE20149019Q095 TWIN OAKS Q095[PV] | **DAM: NZE20149116M238 TWIN OAKS GEM M238[PV]**

TWIN OAKS PANSY M49[PV] | TWIN OAKS GEM J098[#]

AngusPro
API
$141
53

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+5.6	+3.8	-5.7	+4.3	+43	+83	+101	+103	+9	+1.6	-7.2	+57	+3.8	+1.7	+2.0	-1.7	+2.8	+0.98
Acc	53%	48%	67%	70%	69%	69%	70%	69%	63%	64%	38%	65%	62%	67%	64%	64%	62%	53%
Perc	25	41	33	54	81	70	81	44	98	66	12	80	83	11	7	98	23	99

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs

Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 33 TWIN OAKS S047[PV] (HBR) FTW21S047

Mating Type: AI **DOB:** 13/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] MATAURI COMPLETE F010[#]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149114K263 TWIN OAKS WIZARD K263[PV]**

MILLAH MURRAH ELA M9[PV] GOLDWYN F479[#]

AngusPro
API
$184
11

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.0	+7.5	-8.6	+4.0	+55	+104	+130	+102	+15	+3.7	-6.9	+72	+0.4	-0.6	+1.0	+0.3	+1.1	+0.01
Acc	59%	48%	71%	74%	73%	73%	73%	70%	64%	69%	39%	66%	65%	69%	66%	66%	65%	54%
Perc	39	8	6	47	22	13	22	47	67	5	15	31	99	66	18	57	84	29

Trait Observed: CE,BWT,200WT,Genomics

Lot 34 TWIN OAKS S167[PV] (HBR) FTW21S167

Mating Type: AI **DOB:** 20/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV] CRAWFORD BEEF BANK D660[#]

SIRE: NZE20149018P183 TWIN OAKS P183[PV] **DAM: NZE20149118P040 TWIN OAKS ALICE P040[PV]**

TWIN OAKS VALENTINE M52[PV] TWIN OAKS K266[SV]

AngusPro
API
$158
33

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.3	+6.8	-3.0	+0.9	+43	+78	+97	+53	+31	+2.7	-5.6	+60	+5.8	+1.5	+1.0	-0.8	+3.4	+0.68
Acc	55%	49%	68%	72%	70%	69%	70%	69%	63%	64%	37%	65%	61%	67%	63%	64%	61%	52%
Perc	4	13	76	4	80	83	87	98	1	23	32	73	53	13	18	90	10	94

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 35 TWIN OAKS S159[PV] (HBR) FTW21S159

Mating Type: AI **DOB:** 19/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] | WATTLETOP KIWI K15[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] | **DAM: NZE20149117N175 TWIN OAKS N175[PV]**

MILLAH MURRAH ELA M9[PV] | TWIN OAKS ALICE 820#

AngusPro
API
$126
69

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.9	+8.1	-6.0	+3.9	+49	+94	+116	+107	+15	+1.9	-3.5	+71	+3.6	-1.3	-0.5	+0.0	+1.6	-0.25
Acc	59%	48%	71%	74%	73%	72%	73%	70%	63%	68%	39%	66%	64%	69%	66%	65%	64%	54%
Perc	40	6	28	44	55	37	52	38	69	54	69	33	85	83	52	69	67	9

Trait Observed: CE,BWT,200WT,Genomics

Lot 36 TWIN OAKS S083[PV] (HBR) FTW21S083

Mating Type: AI **DOB:** 15/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV] | MUSGRAVE BIG SKY[PV]

SIRE: NZE20149018P073 TWIN OAKS P073[PV] | **DAM: NZE20149117N021 TWIN OAKS BETH N021[PV]**

TWIN OAKS BREEZE M127[PV] | TWIN OAKS L233#

AngusPro
API
$152
39

Mid August 2022 TransTasman Angus Cattle Evaluation

	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.4	+9.1	-3.4	+0.3	+45	+81	+104	+83	+16	+2.1	-2.7	+49	+3.4	+1.2	+1.4	-0.6	+1.8	+0.78
Acc	56%	51%	69%	72%	71%	70%	72%	70%	64%	66%	41%	66%	63%	68%	65%	65%	63%	54%
Perc	4	3	70	2	73	75	76	79	61	45	81	94	87	18	12	87	59	97

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs

Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 37 TWIN OAKS S257[PV] (HBR) FTW21S257

Mating Type: AI **DOB:** 28/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] KAKAHU KEYSTONE 14468[#]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] **DAM: NZE20149117N148 TWIN OAKS ALICE N148[PV]**

MILLAH MURRAH ELA M9[PV] TWIN OAKS ALICE J009[#]

PARENTAGE ASSURED

HEIFER MATING OPTION

HD 50K

AngusPro
API
$167
24

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.2	+8.0	-5.7	+1.9	+50	+92	+110	+87	+18	+2.7	-5.9	+66	+7.7	+0.7	+0.5	+0.6	+1.1	+0.40
Acc	59%	49%	73%	74%	73%	73%	73%	70%	63%	69%	39%	66%	65%	69%	66%	65%	64%	54%
Perc	5	6	33	10	48	43	64	74	42	23	28	51	25	29	27	44	84	76

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

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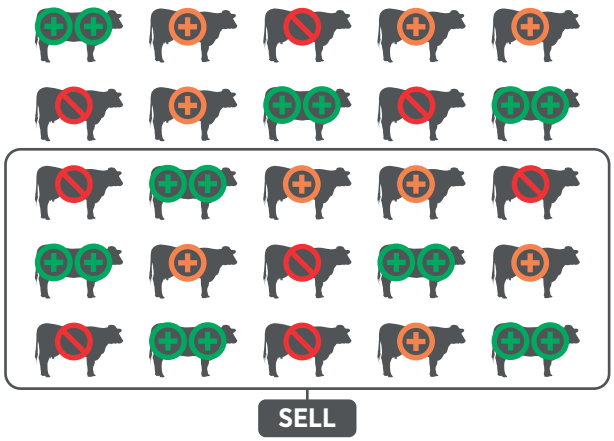

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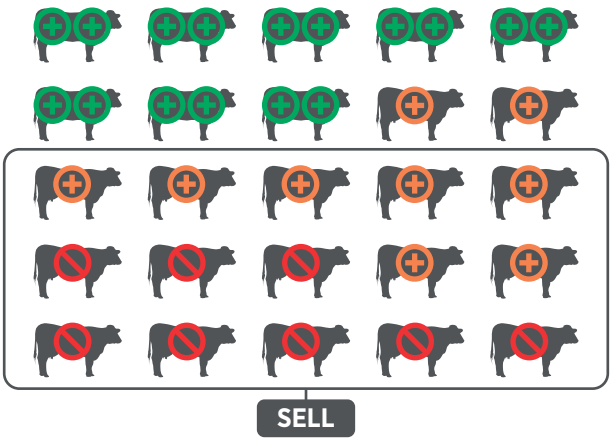
THE BENEFIT OF KNOWING



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For more information contact Zoetis Beef Specialist – Amy Hoogenboom
021 199 0989 | **amy.hoogenboom@zoetis.com**

17538

Lot 38 TWIN OAKS S141[PV] (HBR) FTW21S141

Mating Type: AI **DOB:** 19/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

MONTANA PAYLOAD 6019[#]

DAM: NZE20149118P038 TWIN OAKS BRONNIE P38[PV]

TWIN OAKS BRONNIE M181[DV]

PARENTAGE ASSURED

HEIFER MATING OPTION

HD50K

AngusPro
API
$203
3

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+5.8	+11.0	-9.1	+4.3	+61	+111	+132	+103	+18	+2.4	-4.6	+77	+9.5	-2.2	-3.2	+2.2	+2.2	-0.05
Acc	59%	49%	71%	74%	73%	73%	74%	71%	64%	69%	39%	67%	65%	70%	66%	66%	65%	55%
Perc	24	1	4	54	8	5	18	45	46	33	50	16	10	95	96	5	43	23

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 39 TWIN OAKS S195[SV] (HBR) FTW21S195

Mating Type: AI **DOB:** 23/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV] | 200 OF KAWATIRI[#]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV] | **DAM: NZE20149114K239 TWIN OAKS MANDY K239[#]**

MILLAH MURRAH ELA M9[PV] | TWIN OAKS MANDY 620[#]

AngusPro
API
$138
56

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.6	+4.0	-8.3	+2.5	+44	+77	+97	+57	+19	+2.9	-3.7	+54	+7.2	-0.5	-0.8	+1.2	+1.2	-0.01
Acc	59%	47%	71%	74%	73%	73%	73%	70%	63%	69%	39%	66%	65%	69%	66%	65%	64%	53%
Perc	33	39	7	17	76	84	86	98	38	18	66	88	31	64	60	22	81	27

Trait Observed: CE,BWT,200WT,Genomics

Lot 40 TWIN OAKS S359[PV] (HBR) FTW21S359

Mating Type: Natural **DOB:** 16/09/2021 AMFU,CAFU,DDFU,NHFU

EXAR MONUMENTAL 6056B[PV] | G A R PROPHECY[SV]

SIRE: NZE20149019Q109 TWIN OAKS Q109[PV] | **DAM: NZE20149116M102 TWIN OAKS KOWKA M102[PV]**

TWIN OAKS K142[SV] | TWIN OAKS KOWKA J069[SV]

AngusPro
API
$153
39

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+2.6	+6.1	-8.1	+4.7	+60	+113	+150	+154	+14	+2.0	-5.3	+86	-2.5	-0.2	+0.1	-1.8	+2.9	+0.01
Acc	53%	47%	68%	70%	69%	68%	70%	68%	63%	64%	37%	64%	61%	67%	63%	63%	61%	52%
Perc	51	18	8	63	9	4	4	2	75	49	37	4	99	55	36	99	20	29

Trait Observed: BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 41 TWIN OAKS S181[PV] (HBR) FTW21S181

Mating Type: AI **DOB:** 21/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV]

SIRE: NZE20149018P183 TWIN OAKS P183[PV]

TWIN OAKS VALENTINE M52[PV]

CRAWFORD BEEF BANK D660[#]

DAM: NZE20149118P206 TWIN OAKS DELI P206[SV]

TWIN OAKS DELI G34[#]

AngusPro
API
$149
43

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.6	+3.4	-4.6	+4.0	+53	+93	+120	+100	+15	+2.1	-4.8	+68	+2.8	+0.8	+0.2	-0.2	+1.6	+0.20
Acc	54%	48%	67%	71%	69%	68%	70%	68%	61%	63%	36%	64%	60%	66%	62%	62%	60%	50%
Perc	42	45	51	47	33	39	40	49	71	45	46	45	92	26	34	76	67	53

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 42 TWIN OAKS S177[PV] (HBR) FTW21S177

Mating Type: AI **DOB:** 21/08/2021 AMFU,CAFU,DDFU,NHFU

EF COMMANDO 1366[PV]

SIRE: NMMP15 MILLAH MURRAH PARATROOPER P15[PV]

MILLAH MURRAH ELA M9[PV]

MUSGRAVE MEDIATOR[PV]

DAM: NZE20149117N069 TWIN OAKS CINDY N069[PV]

TWIN OAKS CINDY K095[#]

AngusPro
API
$194
6

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.6	+10.4	-9.1	-0.1	+40	+75	+86	+35	+18	+2.6	-5.8	+60	+3.8	-0.1	-0.1	+0.1	+2.8	+0.51
Acc	58%	48%	72%	73%	72%	71%	72%	69%	62%	68%	38%	65%	64%	68%	65%	64%	63%	53%
Perc	4	1	4	1	90	88	96	99	45	26	29	73	83	52	42	65	23	85

Trait Observed: CE,BWT,200WT,Genomics

Lot 43 TWIN OAKS S317[PV] (HBR) FTW21S317

Mating Type: Natural **DOB:** 06/09/2021 AMFU,CAFU,DDFU,NHFU

BEN NEVIS METAMORPHIC M51[SV]

SIRE: NZE20149019Q187 TWIN OAKS RAMBO Q187[PV]

TWIN OAKS ZODIAC M2[PV]

EXAR MONUMENTAL 6056B[PV]

DAM: NZE20149119Q056 TWIN OAKS PATRIOT Q056[PV]

TWIN OAKS PATRIOT N416[PV]

AngusPro
API
$200
4

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.5	+4.0	-6.3	+2.4	+55	+96	+121	+103	+15	+3.2	-6.1	+71	+10.1	+0.3	+0.4	+1.5	+1.7	+0.61
Acc	53%	45%	65%	70%	68%	68%	69%	68%	60%	62%	34%	63%	59%	65%	61%	62%	60%	50%
Perc	18	39	24	15	25	29	39	44	67	12	25	34	7	40	29	14	63	91

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 44 TWIN OAKS S263PV (HBR) FTW21S263

Mating Type: AI **DOB:** 29/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316PV

SIRE: NZE20149018P073 TWIN OAKS P073PV

TWIN OAKS BREEZE M127PV

KAKAHU KEYSTONE 14468#

DAM: NZE20149118P052 TWIN OAKS LAZULI P052PV

TWIN OAKS LAZULI M73PV

AngusPro
API
$217
2

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+8.5	+10.6	-5.2	+2.4	+57	+105	+131	+108	+12	+3.6	-6.8	+68	+3.2	+2.1	+2.0	-1.5	+3.1	+0.91
Acc	54%	48%	65%	71%	68%	68%	69%	67%	61%	63%	37%	63%	60%	66%	62%	62%	60%	51%
Perc	7	1	40	15	17	11	20	36	87	6	16	43	89	7	7	97	15	99

Trait Observed: CE,BWT,200WT,Genomics

Lot 45 TWIN OAKS S109PV (HBR) FTW21S109

Mating Type: AI **DOB:** 16/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316PV

SIRE: NZE20149018P073 TWIN OAKS P073PV

TWIN OAKS BREEZE M127PV

MONTANA PAYLOAD 6019#

DAM: NZE20149118P138 TWIN OAKS UNVEIL P138PV

TWIN OAKS UNVEIL L37#

AngusPro
API
$165
25

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+8.7	+7.5	-4.2	+3.0	+53	+90	+111	+74	+19	+0.8	-3.8	+67	+5.7	+1.2	+1.7	-0.7	+1.7	+0.16
Acc	54%	47%	65%	71%	69%	69%	70%	69%	62%	64%	36%	64%	61%	67%	63%	63%	61%	51%
Perc	6	8	58	25	32	47	63	89	38	91	64	46	55	18	9	88	63	48

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 46 TWIN OAKS S323[PV] (HBR) FTW21S323

Mating Type: Natural **DOB:** 07/09/2021 AMFU,CAFU,DDFU,NHFU

EXAR MONUMENTAL 6056B[PV]

SIRE: NZE20149019Q143 TWIN OAKS Q143[PV]

TWIN OAKS BRAID N094[PV]

BEN NEVIS METAMORPHIC M51[SV]

DAM: NZE20149119Q048 TWIN OAKS ZODIAC Q048[PV]

TWIN OAKS ZODIAC N195[PV]

AngusPro
API
$177
15

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+11.9	+9.7	-3.9	-0.4	+45	+84	+108	+87	+14	+2.9	-4.2	+62	+5.7	+0.0	-0.5	+0.2	+2.5	+0.92
Acc	54%	49%	67%	71%	70%	69%	71%	69%	63%	65%	36%	65%	62%	68%	63%	64%	62%	52%
Perc	1	2	63	1	75	66	69	74	74	18	57	65	55	49	52	61	32	99

Trait Observed: CE,BWT,200WT,Genomics

Lot 47 TWIN OAKS S087[PV] (HBR) FTW21S087

Mating Type: AI **DOB:** 16/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV]

SIRE: NZE20149018P183 TWIN OAKS P183[PV]

TWIN OAKS VALENTINE M52[PV]

GOLDWYN H815[#]

DAM: NZE20149116M262 TWIN OAKS ECCLES M262[DV]

GOLDWYN G163[#]

AngusPro
API
$123
71

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+1.2	+7.3	-3.1	+5.5	+49	+79	+101	+98	+6	+2.2	-5.0	+50	+2.8	+2.4	+1.5	-0.7	+1.4	+0.15
Acc	54%	48%	66%	72%	69%	68%	69%	68%	62%	63%	37%	64%	60%	66%	62%	62%	60%	51%
Perc	62	10	75	79	51	79	82	55	99	41	43	93	92	5	11	88	74	47

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 48 TWIN OAKS S203[PV] (HBR) FTW21S203

Mating Type: AI **DOB:** 24/08/2021 AMFU,CAFU,DDFU,NHFU

LD CAPITALIST 316[PV]

SIRE: NZE20149018P073 TWIN OAKS P073[PV]

TWIN OAKS BREEZE M127[PV]

MUSGRAVE BIG SKY[PV]

DAM: NZE20149117N012 TWIN OAKS GEM N012[PV]

TWIN OAKS GEM J041[#]

AngusPro
API
$151
41

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.6	+7.7	-4.0	+3.1	+46	+91	+118	+112	+14	+2.5	-6.9	+62	+3.9	+1.2	+1.0	-0.4	+1.6	+0.68
Acc	56%	50%	68%	72%	70%	70%	71%	69%	63%	65%	40%	65%	62%	68%	64%	64%	63%	53%
Perc	18	7	61	27	69	46	47	29	76	29	15	67	82	18	18	82	67	94

Trait Observed: CE,BWT,200WT,Genomics

Lot 49 TWIN OAKS S061[PV] (HBR) FTW21S061

Mating Type: AI **DOB:** 14/08/2021 AMFU,CAFU,DDFU,NHFU

G A R EARLY BIRD[#]

SIRE: USA18217198 G A R ASHLAND[PV]

CHAIR ROCK AMBUSH 1018[#]

KAKAHU KEYSTONE 14468[#]

DAM: NZE20149118P162 TWIN OAKS CINDY P162[PV]

TWIN OAKS CINDY M111[PV]

AngusPro
API
$207
3

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.0	+9.9	-6.7	+0.4	+43	+70	+86	+48	+17	+1.1	-5.4	+46	+11.0	+1.1	+0.8	+0.2	+3.7	+0.82
Acc	60%	50%	70%	72%	72%	71%	73%	71%	65%	68%	38%	66%	65%	69%	65%	65%	65%	54%
Perc	5	1	20	2	82	94	96	99	51	84	36	97	4	20	21	61	6	98

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0

Lot 50 TWIN OAKS S249[PV] (HBR) FTW21S249

Mating Type: AI **DOB:** 27/08/2021 AMFU,CAFU,DDFU,NHFU

BEN NEVIS METAMORPHIC M51[SV] | MUSGRAVE BIG SKY[PV]

SIRE: NZE20149019Q187 TWIN OAKS RAMBO Q187[PV] | **DAM: NZE20149116M104 TWIN OAKS PEGGY M104[PV]**

TWIN OAKS ZODIAC M2[PV] | GOLDWYN F438[#]

AngusPro
API
$162
28

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.5	+7.2	-1.7	+1.2	+44	+82	+98	+64	+25	+2.4	-7.2	+55	+6.7	+2.1	+2.5	-0.6	+2.0	+0.57
Acc	54%	48%	68%	71%	69%	68%	70%	68%	62%	62%	38%	64%	60%	66%	62%	63%	61%	51%
Perc	18	10	90	5	76	73	86	95	5	33	12	86	38	7	4	87	50	89

Trait Observed: CE,BWT,200WT,Genomics

Lot 51 TWIN OAKS S029[PV] (HBR) FTW21S029

Mating Type: AI **DOB:** 11/08/2021 AMFU,CAFU,DDFU,NHFU

EXAR MONUMENTAL 6056B[PV] | BEN NEVIS METAMORPHIC M51[SV]

SIRE: NZE20149019Q093 TWIN OAKS AMARILLO Q093[PV] | **DAM: NZE20149119Q170 TWIN OAKS BESS Q170[PV]**

TWIN OAKS RUBY K010[SV] | TWIN OAKS BESS L150[#]

AngusPro
API
$149
43

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+3.6	+3.1	-4.5	+5.1	+46	+87	+110	+117	+11	+1.9	-8.5	+64	+4.3	+1.3	+1.1	-0.2	+2.2	+0.15
Acc	52%	45%	65%	70%	68%	67%	69%	67%	60%	62%	34%	63%	59%	65%	61%	62%	59%	50%
Perc	42	49	52	72	66	59	66	23	92	54	4	59	77	16	16	76	43	47

Trait Observed: CE,BWT,200WT,Genomics

TransTasman Angus Cattle Evaluation Mid August 2021 Reference Table - BREED AVERAGE EBVs																	
Breed Av.	Calving Ease		Birth		Growth					Fertility		Carcase					
	CEDir	CEDtrs	GL	BWT	200	400	600	MWT	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF
	+2.0	+2.5	-4.5	+4.1	+48	+87	+113	+97	+17	+2.0	-4.6	+64	+6.0	+0.0	-0.4	+0.5	+2.0


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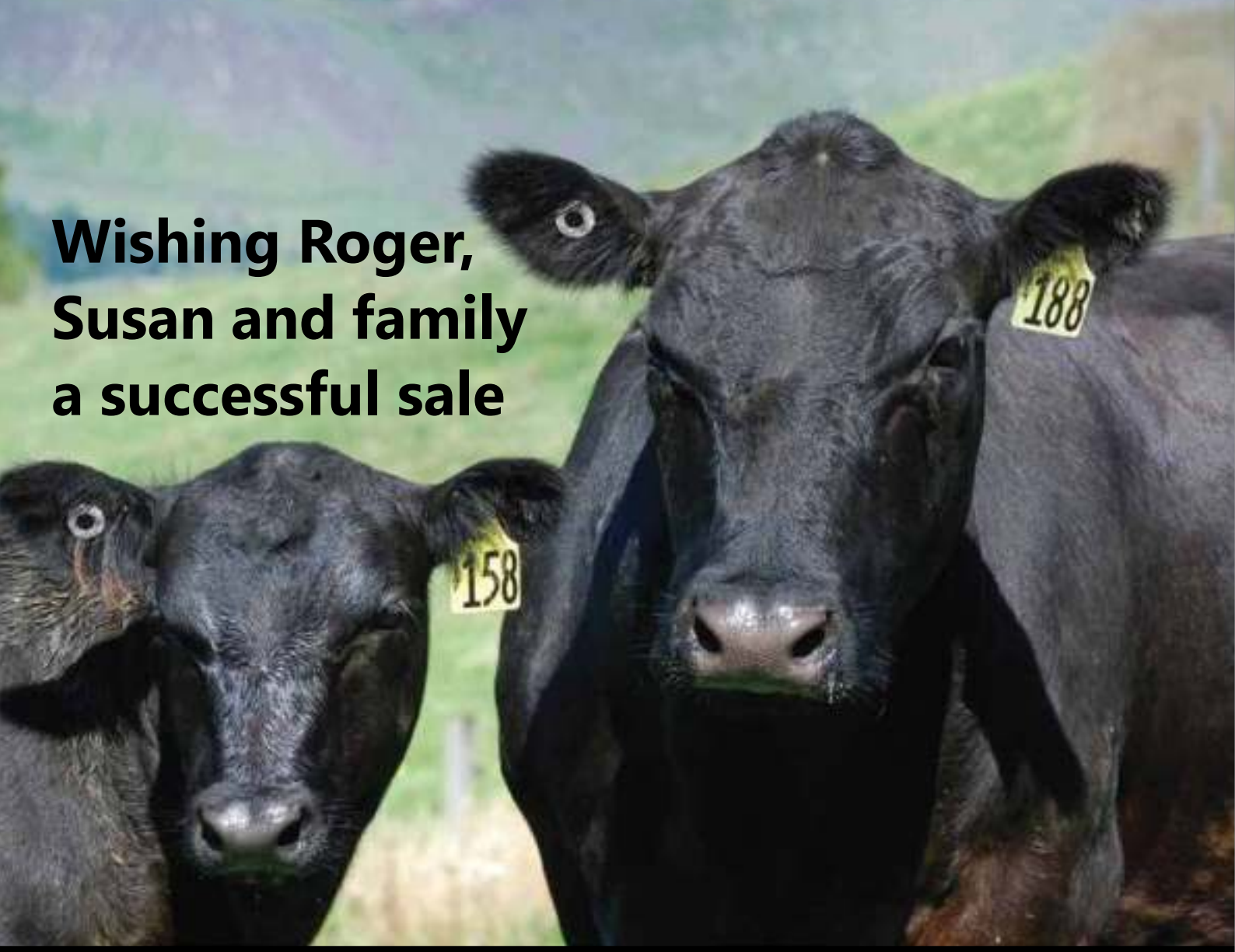

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2022 REFERENCE SIRES

RS	MILLAH MURRAH PARATROOPER P15[PV] (HBR)	NMMP15

Mating Type: AI **DOB:** 29/01/2018 AMF,CAF,DDF,NHF,DWF,MAF, MHF,OHF,OSF,RGF

EF COMPLEMENT 8088[PV] MILLAH MURRAH HIGHLANDER G18[SV]

SIRE: EF COMMANDO 1366[PV] **DAM: MILLAH MURRAH ELA M9[PV]**

RIVERBEND YOUNG LUCY W1470[#] MILLAH MURRAH ELA K127[SV]

Millah Murrah Paratrooper - we are excited to offer the first sons in New Zealand sired buy this powerful, complete sire. We were at the sale when this legendary bull came under the hammer and were part of the syndicate who were underbidders at $160,000. He impressed us with his strength and carcass, as well as the strong maternal side of his pedigree. At Twin Oaks he is breeding consistantly powerful progeny with muscle and constitution. He is leaving the phenotype and structure we have been striving for females.

Selection Index
$PRO
$200
4

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.8	+9.4	-8.7	+3.1	+65	+118	+143	+118	+22	+3.1	-4.6	+91	+8.1	-0.8	-1.0	+0.7	+2.4	+0.23
Acc	84%	61%	99%	99%	98%	97%	95%	84%	73%	96%	51%	80%	85%	85%	83%	79%	82%	67%
Perc	16	2	5	27	3	2	8	22	15	13	50	2	20	72	65	40	35	57

Trait Observed: GL,BWT,200WT(x2),400WT(x2),Scan(EMA,Rib,Rump,IMF),DOC,Genomics

RS G A R ASHLAND[PV] (HBR) USA18217198

Mating Type: Natural **DOB:** 31/01/2015 AMF,CAF,DDF,NHF

G A R DAYLIGHT[#] B/R AMBUSH 28[#]

SIRE: G A R EARLY BIRD[#] **DAM: CHAIR ROCK AMBUSH 1018[#]**

G A R PROGRESS 830[#] G A R YIELD GRADE N366[#]

Ashland has an amazing combination of genomics, performance data and phenotype. He offers true muscle shape and body depth in a structurally sound package. We viewed Ashland in 2018 in Montana, we were very impressed with his structural soundness and power.

Selection Index
$PRO
$215
2

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+0.4	+6.8	-6.6	+3.5	+69	+119	+152	+119	+20	+1.4	-1.1	+82	+13.1	-2.2	-2.8	+2.6	+3.0	-0.19
Acc	89%	65%	99%	99%	98%	98%	98%	92%	89%	98%	52%	89%	90%	90%	86%	85%	89%	72%
Perc	68	13	21	35	1	2	3	20	30	74	94	8	1	95	94	2	18	12

Trait Observed: Genomics

RS TWIN OAKS Q041[PV] (HBR) NZE20149019Q041

Mating Type: Natural **DOB:** 17/08/2019 AMF,CAF,DDF,NHF

AYRVALE BARTEL E7[PV] TWIN OAKS L83[#]

SIRE: BEN NEVIS METAMORPHIC M51[SV] **DAM: TWIN OAKS ROSETTA N285[PV]**

BEN NEVIS JEAN K80[#] TWIN OAKS ROSETTA L197[#]

Q041 was purchased by the Craigie Farming, Glenorchy, for $15,000

Selection Index
$PRO
$166
25

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+8.1	+5.9	-1.4	+2.7	+48	+94	+127	+97	+22	+2.6	-6.6	+73	+4.2	+1.3	+0.7	-0.6	+2.3	+0.76
Acc	67%	55%	70%	85%	81%	77%	78%	75%	66%	72%	40%	70%	64%	69%	65%	65%	64%	55%
Perc	9	20	92	20	56	36	27	56	13	26	18	26	79	16	23	87	39	96

Trait Observed: CE,BWT,200WT,400WT,600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS	TWIN OAKS AMARILLO Q093[PV] (HBR)	NZE20149019Q093

Mating Type: Natural **DOB:** 21/08/2019 AMF,CAF,DDF,NHF,DWF,MAF, MHF,OHF,OSF,RGF

3F EPIC 4631[#] TE MANIA 11 465[SV]

SIRE: EXAR MONUMENTAL 6056B[PV] **DAM: TWIN OAKS RUBY K010[SV]**

FWY 7008 OF C085 4029[#] TWIN OAKS RUBY H16[#]

Mt Aspiring Station, Wanaka, brought Amarillo Q93 for $10,000.

Selection Index
$PRO
$167
23

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.5	+5.4	-11.3	+4.3	+52	+99	+121	+125	+15	+1.3	-5.8	+76	+4.0	+0.7	+1.3	-0.1	+2.7	+0.27
Acc	64%	51%	72%	83%	79%	76%	77%	75%	68%	73%	38%	70%	65%	69%	66%	66%	64%	53%
Perc	18	24	1	54	39	23	40	13	67	78	29	18	81	29	13	73	26	62

Trait Observed: CE,BWT,200WT,400WT,600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS	TWIN OAKS P073[PV] (HBR)	NZE20149018P073

Mating Type: Natural **DOB:** 23/08/2018 AMF,CAF,DDF,NHF,DWF,MAF, MHF,OHF,OSF,RGF

CONNEALY CAPITALIST 028[#] G A R PROPHECY[SV]

SIRE: LD CAPITALIST 316[PV] **DAM: TWIN OAKS BREEZE M127[PV]**

LD DIXIE ERICA 2053[#] TWIN OAKS J109[#]

Twin Oaks P073 sold to Wilkins Farming, Southland for $18000 in 2020. By the super sire LD Capitalist he is a bull that has great carcass attributes as well as plenty of calving ease.

Selection Index
$PRO
$171
20

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+10.6	+9.7	-1.4	+2.9	+50	+89	+112	+89	+13	+2.6	-4.5	+59	+5.0	+1.6	+1.7	-0.9	+2.3	+0.70
Acc	71%	59%	73%	90%	85%	84%	83%	79%	70%	79%	49%	75%	72%	76%	74%	72%	72%	60%
Perc	2	2	92	23	48	52	59	71	86	26	52	74	67	12	9	92	39	95

Trait Observed: CE,BWT,200WT,400WT(x2),600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS **TWIN OAKS P183[PV] (HBR)** **NZE20149018P183**

Mating Type: Natural **DOB:** 30/08/2018

AMF,CAF,DDF,NHF,DWF,MAF, MHF,OHF,OSF,RGF

SIRE: LD CAPITALIST 316[PV]

CONNEALY CAPITALIST 028[#]

LD DIXIE ERICA 2053[#]

DAM: TWIN OAKS VALENTINE M52[PV]

MUSGRAVE BIG SKY[PV]

TWIN OAKS VALENTINE K036[SV]

P183 topped the 2020 sale, selling for a $40,000 to Wilkins Farming, Southland. A LD Captialist son, this bull has calving ease, growth, positive fats, an IMF of 2.4 and a carcass weight of 80. We have used P183 in our AI programme extensivley at Twin Oaks.

Selection Index
$PRO
$185
10

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																
	CALVING EASE				GROWTH					FERTILITY		CARCASE					
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.0	+8.7	-4.8	+2.4	+58	+105	+136	+113	+18	+2.2	-5.5	+81	+4.8	+1.5	+0.7	-1.2	+2.3	+0.39
Acc	72%	60%	85%	91%	85%	81%	81%	78%	70%	74%	48%	74%	68%	72%	70%	69%	68%	59%
Perc	5	4	47	15	13	11	14	28	44	41	34	10	70	13	23	95	39	75

Trait Observed: CE,BWT,200WT,400WT(x2),600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS	TWIN OAKS Q095[PV] (HBR)	NZE20149019Q095

Mating Type: Natural **DOB:** 21/08/2019 AMF,CAF,DDF,NHF

AYRVALE BARTEL E7[PV]	G A R PROPHECY[SV]
SIRE: BEN NEVIS METAMORPHIC M51[SV]	**DAM: TWIN OAKS PANSY M49[PV]**
BEN NEVIS JEAN K80[#]	TWIN OAKS PANSY K141[SV]

Mt Albert Station, Hawea, secured Q095 in the June 2021 sale, for $14,000. A Metamorphic son with a IMF figure of +3.5 puts him in the top 10%

Selection Index
$PRO
$162
28

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+10.3	+5.6	-2.0	+1.6	+47	+93	+118	+98	+18	+1.8	-6.2	+72	+4.8	+2.0	+1.4	-2.3	+3.5	+1.32
Acc	61%	54%	73%	77%	75%	74%	75%	73%	67%	71%	42%	69%	65%	70%	66%	66%	65%	56%
Perc	2	23	87	7	65	38	46	53	40	58	23	30	70	8	12	99	9	99

Trait Observed: CE,BWT,200WT,400WT,600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS **TWIN OAKS Q109[PV] (HBR)** **NZE20149019Q109**

Mating Type: Natural **DOB:** 23/08/2019 AMF,CAF,DDF,NHF

3F EPIC 4631[#]	MATAURI OUTLIER F031[SV]
SIRE: EXAR MONUMENTAL 6056B[PV]	**DAM: TWIN OAKS K142[SV]**
FWY 7008 OF C085 4029[#]	GOLDWYN E333[#]

Q109 sold to Parengarenga Station, Far North. For $8500 in the 2021 June sale.

Selection Index
$PRO
$144
49

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+4.8	+6.4	-8.1	+3.8	+56	+107	+139	+138	+15	+3.6	-3.7	+82	+1.5	-0.2	-1.2	-0.6	+2.7	+0.28
Acc	62%	51%	73%	81%	78%	76%	77%	75%	68%	74%	41%	71%	67%	71%	67%	68%	66%	55%
Perc	32	16	8	42	20	9	11	6	72	6	66	8	97	55	70	87	26	63

Trait Observed: CE,BWT,200WT,400WT,600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS	TWIN OAKS Q143[PV] (HBR)	NZE20149019Q143

Mating Type: Natural **DOB:** 26/08/2019 AMF,CAF,DDF,NHF

3F EPIC 4631#	KAKAHU KEYSTONE 14468#
SIRE: EXAR MONUMENTAL 6056B[PV]	**DAM: TWIN OAKS BRAID N094[PV]**
FWY 7008 OF C085 4029#	TWIN OAKS BRAID J035[SV]

Q143 now lives in the Rollesby valley, purchased by Dion and Lou Anderson. A EXAR Monumnetal son out of Keystone cow.

Selection Index
$PRO
$187
9

A+

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+9.3	+8.2	-7.5	+2.1	+47	+86	+107	+95	+11	+1.8	-4.8	+60	+3.9	+0.8	+2.1	-1.2	+3.7	+1.03
Acc	63%	51%	73%	81%	77%	75%	76%	74%	67%	73%	38%	70%	65%	69%	66%	66%	65%	54%
Perc	4	5	12	12	64	61	71	60	94	58	46	73	82	26	6	95	6	99

Trait Observed: CE,BWT,200WT,400WT,600WT,SC,Scan(EMA,Rib,Rump,IMF),Structure(Claw Set x 1, Foot Angle x 1),Genomics

RS **TWIN OAKS RAMBO Q187[PV] (HBR)** **NZE20149019Q187**

Mating Type: ET **DOB:** 31/08/2019 AMF,CAF,DDF,NHF,DWF,MAF, MHF,OHF,OSF,RGF

AYRVALE BARTEL E7[PV] G A R PROPHECY[SV]

SIRE: BEN NEVIS METAMORPHIC M51[SV] **DAM: TWIN OAKS ZODIAC M2[PV]**

BEN NEVIS JEAN K80[#] TWIN OAKS ZODIAC K234[#]

Rambo was purchased For $20,000 by Whangara B5, Gisborne. He exhibits explosive growth, in the top 5%.

Selection Index
$PRO
$193
6

A

TACE	Mid August 2022 TransTasman Angus Cattle Evaluation																	
	CALVING EASE				GROWTH					FERTILITY		CARCASE						
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DtC	CWT	EMA	Rib	P8	RBY	IMF	NFI
EBV	+6.5	+6.1	-4.3	+3.1	+63	+113	+142	+121	+20	+2.8	-5.6	+86	+9.1	-1.0	-0.8	+0.9	+1.7	+0.20
Acc	66%	54%	73%	86%	81%	78%	78%	76%	67%	69%	41%	71%	65%	69%	66%	66%	64%	56%
Perc	18	18	56	27	4	4	9	18	24	20	32	5	12	77	60	32	63	53

Trait Observed: BWT,200WT,400WT,600WT,SC,Scan(EMA,Rib,Rump,IMF),DOC,Genomics

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Updated 25/11/2020

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.....

Telephone ..... NAIT Number.....

Herd no. & Prefix (if society registration is required).....

Email: .....

Lot Purchased.....

Lot: ..... Lot: .....

Lot: ..... Lot: .....

Lot: ..... Lot: .....

Lot: ..... Lot: .....

Total no. purchased .....

Please describe the arrangements you have made to take delivery of your purchase.

.....

Company to debit .....

Insurance Required (please circle) YES NO

Insure for (state period).....(months).....(Year).....

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