

Twin Oaks

ANGUS STUD - TE AKAU NZ



ANNUAL 2 YEAR BULL SALE

7th JUNE 2019



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Susan and family
a successful sale**



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Twin Oaks
ANGUS STUD — TE AKAU NZ

ANNUAL BULL SALE 7th JUNE 2019

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

Rod Sands Livestock Rep, Sth Canty P 027 431 4043

Cam Heggie PGG Wrightson, Livestock Genetics Rep. P 027 501 8182

Richard Johnston PGG Wrightson, Livestock Rep. Waikato P 027 444 3570

Sam Wright PGG Wrightson, Livestock Rep. Hawkes Bay P 027 4430905

Callum Dunnett Carrfield P 027 587 0131

Bruce Orr Carrfields P 027 492 2122



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Kim Lowe
ANGUSPURE NATIONAL
TERRITORY MANAGER

FOREWORD

PLEASE
BRING THIS
CATALOGUE TO
THE SALE

Welcome to Twin Oaks and our 2019 Two Year Angus Sale

This is our 11th June Sale and our 4th at Waiapapa Station.

We are very excited with this year's bulls. They are a true mix of everything we are striving to achieve. CALVING EASE, GROWTH, and CARCASS attributes, in a well put together package, that we all like to look at!

All bulls sold at Twin Oaks are 50k tested and Sire and Dam verified. This helps to improve the accuracies of the bulls EBV's and helps to guarantee the performance that bull can bring to your herd.

Not only are the sale bulls 50k but every stud calf born at Twin Oaks. This creates a fantastic base of information and accuracy to our breeding herd.

At Twin Oaks we are not only focussed on QUALITY BEEF but fertility is paramount. All females are mated as yearlings and all females must rear a calf or they are culled.

Along with 61 other Angus studs, we have recently become an official partner of Angus Pure NZ. This is an exciting opportunity for us and our clients to be part of an Angus Brand that will continue to promote Angus beef in New Zealand and the world.

We look forward to meeting with you on sale day and sharing our hospitality.



Roger, Susan, Thomas, Olivia and Jessica Twin Oaks Angus NZ

Carrfields

Livestock

WE HAVE YOUR STUD STOCK NEEDS COVERED



Neville Clark

Auctioneer - 027 587 0131



Callum Dunnett

Stud Stock Agent - 027 587 0131



Andrew Holt

Auctioneer - 027 496 3311



Bruce Orr

Stud Stock Agent - 027 4922 122



Roger Keach

Stud Stock Agent - 027 417 8641



Tom Suttor

Stud Stock Agent - 027 616 4504

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

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Cam Heggie
Genetics Representative
027 501 8182

Sam Wright
Livestock Representative
027 247 9035

Dean Evans
Livestock Manager
027 243 1092

Rod Sands
Livestock Representative
027 431 4043

Chris Leuthart
Livestock Representative
027 493 6594

Bruce Dunbar
Livestock Representative
027 595 6473

Richard Johnston
Livestock Representative
027 257 4091

Craig Knight
Livestock Representative
027 590 1331

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 approved 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.

GUARANTEE:

The vendors guarantee that the purchase price (without interest expenses, costs and damages) shall be refunded if a bull proves totally infertile or incapable of service. Notice of infertility shall be within one year of sale date.

Any dispute shall be settled by an arbitrator appointed by the auctioneers. A veterinary certificate shall be produced by the purchaser when required. The guarantee does not cover incapacity or infertility due to injury, illness, or neglect by the purchaser to keep the bull in reasonable health.

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 \$20 000 for a two year old bull. The purchaser or agent must state at the fall of the hammer and on the buyer instruction slip if a transfer is required.

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

NZ ANGUS BREEDPLAN

Understanding the EBVs, Selection Indices and Accuracy

EBVs

An animal's breeding value is its genetic merit, half of which will be passed on to its progeny. While we will never know the exact breeding value, for performance traits it is possible to make good estimates. These estimates are called Estimated Breeding Values (EBVs).

In the calculation of EBVs, the performance of individual animals within a contemporary group is directly compared to the average of other animals in that group. A contemporary group consists of animals of the same sex and age class within a herd, run under the same management conditions and treated equally. Indirect comparisons are made between animals reared in different contemporary groups, through the use of pedigree links between the groups.

EBVs are expressed in the units of measurement for each particular trait. They are shown as +ive or -ive differences between an individual animal's genetics difference and the genetic base to which the animal is compared. For example, a bull with an EBV of +50 kg for 600-Day Weight is estimated to have genetic merit 50 kg above the breed base of 0 kg. Since the breed base is set to an historical benchmark, the average EBVs of animals in each year drop has changed over time as a result of genetic progress within the breed.

The absolute value of any EBV is not critical, but rather the differences in EBVs between animals. Particular animals should be viewed as being "above or below breed average" for a particular trait.

Whilst EBVs provide the best basis for the comparison of the genetic merit of animals reared in different environments and management conditions, they can only be used to compare animals analysed within the same analysis. Consequently, NZ ANGUS BREEDPLAN EBVs cannot be validly compared with EBVs for any other breed.

Although EBVs provide an estimate of an animal's genetic merit for a range of production traits, they do not provide information for all of the traits that must be considered during selection of functional animals. In all situations, EBVs should be used in conjunction with visual assessment for other traits of importance (such as structural soundness, temperament, fertility etc). A recommended practice is to firstly select breeding stock based on EBVs and to then select from this group to ensure that the final selections are otherwise acceptable.

EBVs are published for a range of traits covering fertility, calving ease, milking ability, growth, carcass merit and feed efficiency. When using EBVs to assist in selection decisions it is important to achieve a balance between the different groups of traits and to place emphasis on those traits that are important to the particular herd, markets and environment. One of the advantages of having a comprehensive range of EBVs is that it is possible to avoid extremes in particular traits and select for animals with balanced overall performance.

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

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

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

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

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

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

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

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

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

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

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

Days to Calving EBV (days) indicates the fertility of the daughters of the sire. It is the time interval between the day when the female is first exposed to a bull in a paddock mating to the day when she subsequently calves. A negative EBV for days to calving indicates a shorter interval from bull-in date to calving and therefore higher fertility.

Carcass Weight EBV (kg) is based on abattoir carcass records and is an indicator of the genetic differences in carcass weight at the standard age of 750 days.

Eye Muscle Area EBV (sq cm) is calculated from measurements from live animal ultrasound scans and from abattoir carcass data, adjusted to a standard 400 kg carcass. This EBV estimates genetic differences in eye muscle area at the 12/13th rib site of a 400 kg dressed carcass. More positive EBVs indicate better muscling on animals. Sires with relatively higher EMA EBVs are expected to produce better-muscled and higher percentage yielding progeny at the same carcass weight than will sires with lower EMA EBVs.

Rib Fat and Rump Fat EBVs (mm) are calculated from measurements of subcutaneous fat depth at the 12/13-rib site and the P8 rump site (from live animal ultrasound scans and from abattoir carcasses) and are adjusted to a standard 400 kg carcass. These EBVs are indicators of the genetic differences in fat distribution on a standard 400 kg carcass. Sires with low, or negative, fat EBVs are expected to produce leaner progeny at any particular carcass weight than will sires with higher EBVs.

Retail Beef Yield EBV (%) indicates genetic differences between animals for retail yield percentage in a standard 400 kg carcass. Sires with larger EBVs are expected to produce progeny with higher yielding carcasses.

Intramuscular Fat EBV (%) is an estimate of the genetic difference in the percentage of intramuscular fat at the 12/13th rib site in a 400 kg carcass. Depending on market targets, larger more positive values are generally more favourable.

Docility EBV (%) is an estimate of the genetic differences between animals in temperament. Docility EBVs are expressed as differences in the percentage of progeny that will be scored with acceptable temperament (ie. either "docile" or "restless").

Accuracy

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

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

| ACCURACY RANGE | INTERPRETATION |
|----------------|---|
| Less than 50% | EBV should be considered as a preliminary estimate. It could change substantially as more performance information becomes available. |
| 50-74% | Medium accuracy, usually based on the animal's own records and pedigree. Still subject to substantial changes with more information, particularly when the performance of progeny are analysed. |
| 75-90% | Medium - high accuracy and includes some progeny information. Becoming a more reliable indicator of the animal's value as a parent. |
| More than 90% | High accuracy estimate of the animal's true breeding value. It is unlikely that the EBV will change much with the addition of more progeny data. |





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Why buy a HD50K-tested bull?

1.

His Breeding Values are very accurate

A young bull that's been HD50K tested has highly accurate BVs. You can therefore be more confident that his performance will match his figures.

2.

You'll make faster production gains

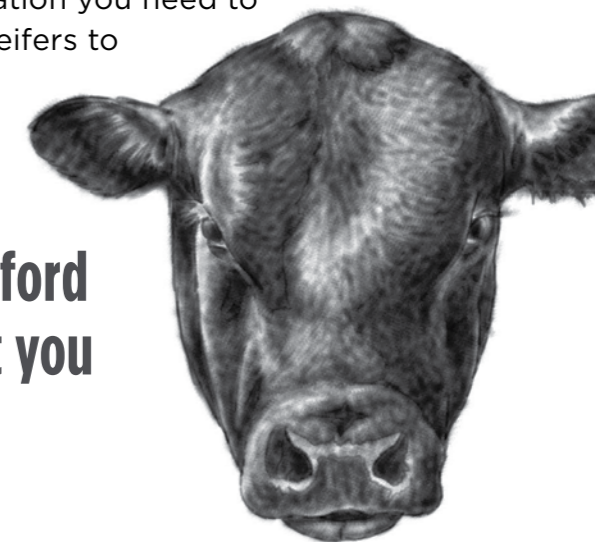
The bull you buy this season will influence your herd for the next 8-10 years. By buying an HD50K-tested bull, your decision is based on the best information possible.

3.

Boost the performance of your beef cow herd

If you breed your own heifer replacements, using a HD50K-tested bull means you can tap into "HeiferSELECT®" - a new commercial farmer tool coming soon.

HeiferSELECT® provides the objective information you need to make more accurate decisions about which heifers to "keep or cull". It draws on maternal, growth and carcass (including marbling) traits.



If you're a progressive farmer, you can't afford not to buy a HD50K-tested bull. He will get you where you want to go, faster. Much faster.

More information: www.genetics.zoetis.com/NewZealand



ANGUSPURE PARTNER

AngusPure has teamed up with those who share in our vision - to focus on the end consumer. We want to create an 'AngusPure Moment'.

A moment in time when anyone, anywhere in the world, is able to share in a moment of synergy. A moment created by the finest grass-fed beef eating experience.

We have partnered with 63 of New Zealand's finest Angus studs and this stud is one of them. They are developing the best genetics and implementing the best management practices.

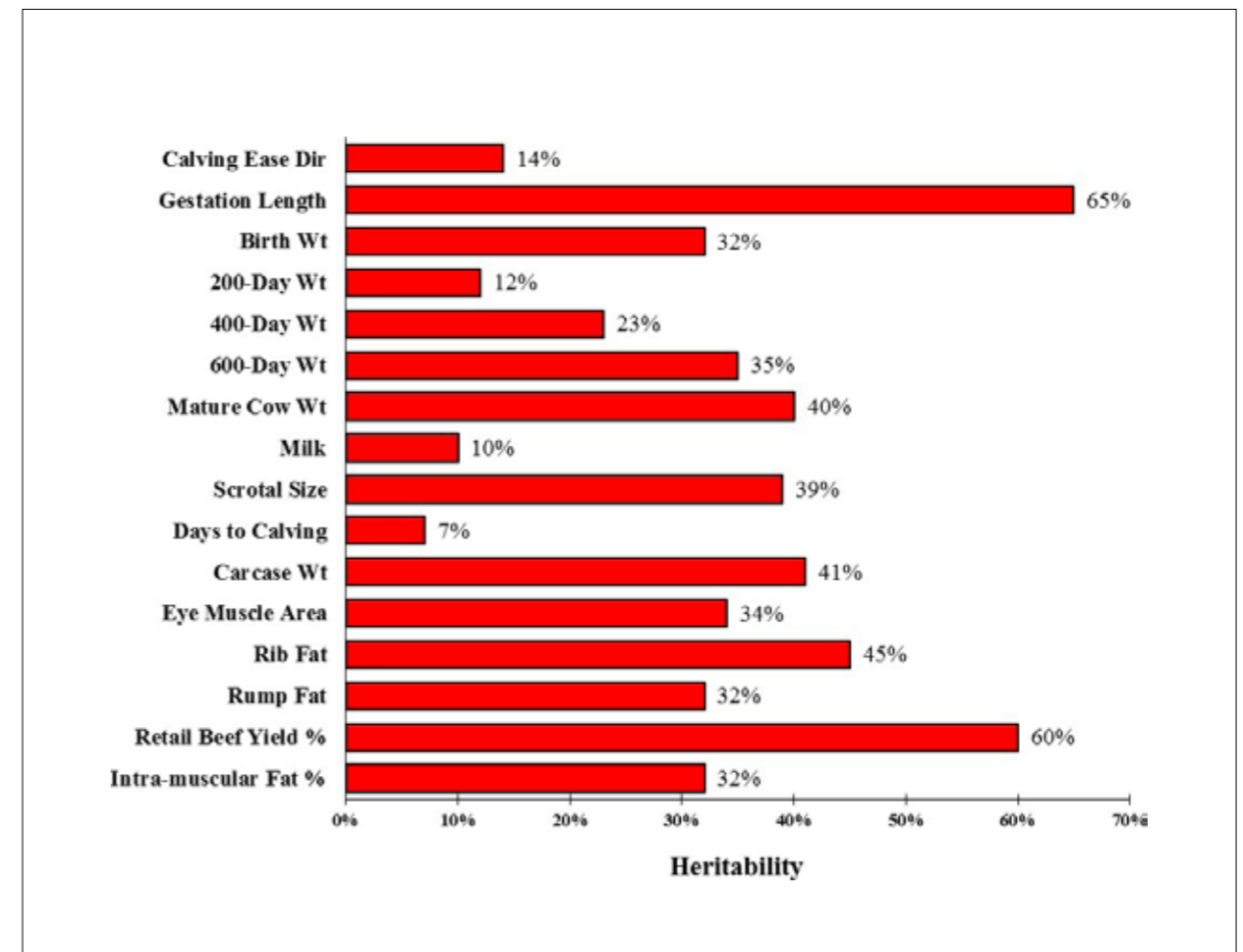


HERITABILITIES OF TRAITS IN ANGUS GROUP BREEDPLAN.

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

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



A ANGUSPURE ENDORSED BULLS

AngusPure continues to endorse bulls for sale that are in the top 40% of the breed for AngusPure index. This index gives commercial farmers confidence that by using this selection tool, bulls are most likely to leave progeny with superior carcass quality and at the same time achieve desirable outcomes for self-replacing herds, as the AngusPure index still rewards cattle with strong maternal attributes like calving ease, scrotal and growth, along with carcass weight. To qualify for the 'A' endorsement, bulls must meet a minimum AngusPure index of +\$139.

These bulls will be => +\$139 for AngusPure index.

A+ 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 in the top 25% of the breed for AngusPure index and who also have their marbling EBV (IMF) in the top 50% as well. 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 new program, AngusPure Special Reserve. To qualify for the 'A+' endorsement, bulls must meet a minimum AngusPure index of +\$152. They must also meet the minimum marbling requirement of +1.7 for IMF.

These bulls will be => +\$152 for AngusPure index and => + 1.7 for IMF EBV.

AngusPure 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.



INDEXES

There are currently two different selection indexes calculated for New Zealand Angus animals. These are:

- Self Replacing Index
- AngusPure Index

Each selection index describes a different production/market scenario and relates to a typical commercial herd in New Zealand that is targeting the following specifications.

ANGUS SELF REPLACING INDEX

- Estimates the genetic differences between animals in net profitability per cow joined for a self replacing commercial herd, targeting the production of grass finished steers. Steers are assumed marketed at 525 kg live weight (280 kg carcass weight and 10 mm fat depth) at 16 months of age.

ANGUSPURE INDEX

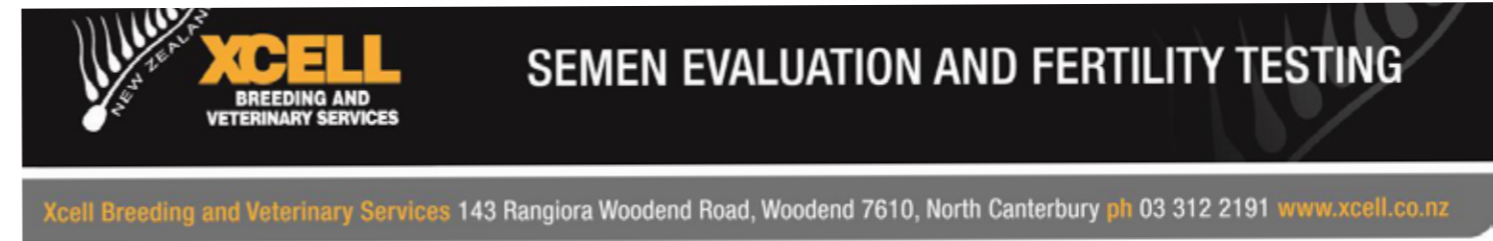
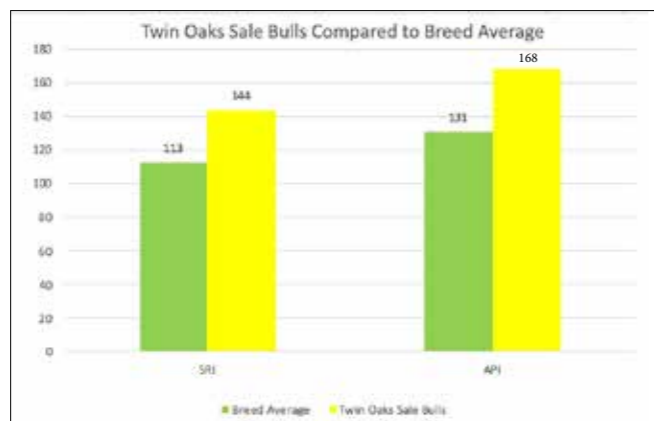
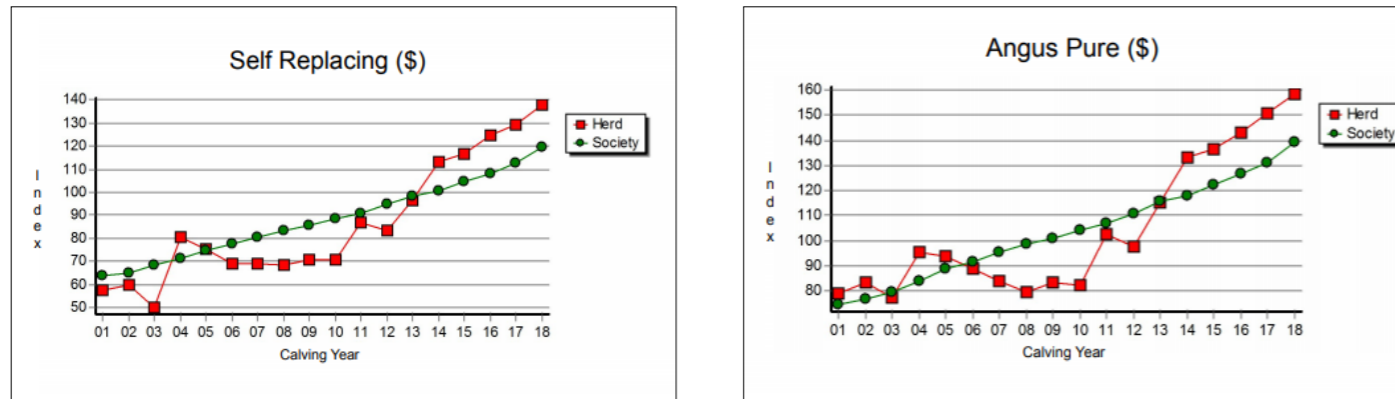
- Estimates the genetic differences between animals in net profitability per cow joined for a self replacing commercial Angus herd, targeting the production of grass finished steers for the AngusPure programme. Steers are assumed marketed at 525 kg live weight (280 kg carcass weight and 10 mm fat depth) at 18 months of age with a significant premium paid for marbling.

All selection indexes are reported as an EBV, in units of relative earning capacity (\$) for a given production/market scenario. They reflect both the short term profit generated by a sire through the sale of his progeny, and the longer term profit generated by his daughters in a self replacing cow herd (where applicable).

All selection index values have been derived using BreedObject technology.

If you have any further queries regarding New Zealand Angus Selection Indexes, please contact us at Twin Oaks we are happy to discuss index's, EBV's and your Breeding programme.

TWIN OAKS HERD COMPARED TO NZ ANGUS AVERAGE



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: Twin Oaks Angus

Date of testing: 1 February 2019

Greg Mckay, Managing Director

PERCENTILE BANDS FOR 2017 BORN CALVES

| Percentile Band | Calving Ease DIR (%) | Calving Ease DTRS (%) | Gestation Length (days) | Birth Wt. (kg) | 200 Day Wt (kg) | 400 Day Wt (kg) | 600 Day Wt (kg) | Mat Cow Wt (kg) | Milk (kg) | Scrotal Size (cm) | Days to Calving (days) | Carcass Wt (kg) | Eye Muscle Area (sq cm) | Rib Fat (mm) | Rump Fat (mm) | Retail Beef Yield (%) | IMF (%) | Self Replacing Index (\$) | Angus Pure Index (\$) | Dolocity |
|-----------------|----------------------|-----------------------|-------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------|-------------------|------------------------|-----------------|-------------------------|--------------|---------------|-----------------------|---------|---------------------------|-----------------------|----------|
| Top Value | +6.9 | +6.2 | -16.5 | -3.1 | +79 | +142 | +205 | +204 | +38 | +6.2 | -13.4 | +111 | +22.3 | +7.6 | +13.0 | +5.5 | +6.3 | +203 | +253 | +44 |
| Top 1% | +5.0 | +4.4 | -9.7 | +0.4 | +61 | +109 | +145 | +139 | +26 | +3.8 | -8.9 | +85 | +11.0 | +3.1 | +3.2 | +2.5 | +4.0 | +171 | +200 | +31 |
| Top 5% | +3.9 | +3.5 | -7.7 | +1.7 | +56 | +100 | +133 | +123 | +22 | +3.1 | -7.5 | +77 | +8.9 | +2.0 | +2.1 | +1.9 | +3.3 | +155 | +181 | +24 |
| Top 10% | +3.2 | +2.9 | -6.8 | +2.3 | +53 | +96 | +127 | +115 | +21 | +2.8 | -6.8 | +73 | +8.0 | +1.5 | +1.5 | +1.5 | +3.0 | +146 | +170 | +19 |
| Top 15% | +2.7 | +2.5 | -6.2 | +2.7 | +52 | +93 | +123 | +110 | +20 | +2.6 | -6.3 | +71 | +7.4 | +1.2 | +1.2 | +1.3 | +2.7 | +140 | +163 | +16 |
| Top 20% | +2.3 | +2.1 | -5.8 | +3.0 | +50 | +91 | +119 | +106 | +19 | +2.4 | -5.9 | +69 | +7.0 | +1.0 | +0.9 | +1.2 | +2.5 | +136 | +157 | +14 |
| Top 25% | +2.0 | +1.8 | -5.4 | +3.2 | +49 | +89 | +117 | +103 | +18 | +2.3 | -5.6 | +67 | +6.6 | +0.8 | +0.7 | +1.0 | +2.3 | +131 | +152 | +12 |
| Top 30% | +1.6 | +1.6 | -5.1 | +3.5 | +48 | +87 | +114 | +100 | +17 | +2.2 | -5.3 | +66 | +6.2 | +0.6 | +0.5 | +0.9 | +2.2 | +128 | +148 | +10 |
| Top 35% | +1.3 | +1.3 | -4.8 | +3.7 | +48 | +86 | +112 | +98 | +17 | +2.1 | -5.0 | +64 | +5.9 | +0.4 | +0.3 | +0.8 | +2.0 | +124 | +143 | +8 |
| Top 40% | +1.0 | +1.0 | -4.5 | +3.9 | +47 | +84 | +110 | +95 | +16 | +2.0 | -4.8 | +63 | +5.6 | +0.3 | +0.1 | +0.7 | +1.9 | +120 | +139 | +7 |
| Top 45% | +0.7 | +0.8 | -4.2 | +4.1 | +46 | +83 | +108 | +93 | +16 | +1.9 | -4.5 | +62 | +5.3 | +0.1 | +0.0 | +0.6 | +1.8 | +117 | +135 | +5 |
| Top 50% | +0.4 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.3 | +60 | +5.1 | +0.0 | -0.2 | +0.5 | +1.7 | +113 | +131 | +4 |
| Top 55% | +0.1 | +0.3 | -3.7 | +4.5 | +44 | +80 | +104 | +88 | +15 | +1.7 | -4.0 | +59 | +4.8 | -0.2 | -0.3 | +0.3 | +1.6 | +109 | +127 | +3 |
| Top 60% | -0.2 | +0.0 | -3.5 | +4.7 | +43 | +79 | +102 | +86 | +14 | +1.6 | -3.8 | +57 | +4.5 | -0.3 | -0.5 | +0.2 | +1.4 | +105 | +122 | +1 |
| Top 65% | -0.6 | -0.3 | -3.2 | +4.9 | +42 | +77 | +100 | +84 | +14 | +1.5 | -3.5 | +56 | +4.2 | -0.5 | -0.7 | +0.1 | +1.3 | +101 | +119 | +0 |
| Top 70% | -0.9 | -0.5 | -2.9 | +5.1 | +41 | +76 | +98 | +81 | +13 | +1.4 | -3.2 | +54 | +3.9 | -0.6 | -0.9 | +0.0 | +1.2 | +97 | +114 | -2 |
| Top 75% | -1.3 | -0.9 | -2.6 | +5.3 | +40 | +74 | +95 | +78 | +13 | +1.3 | -2.9 | +52 | +3.6 | -0.8 | -1.0 | -0.1 | +1.0 | +93 | +110 | -3 |
| Top 80% | -1.8 | -1.3 | -2.3 | +5.6 | +39 | +72 | +92 | +75 | +12 | +1.2 | -2.6 | +50 | +3.2 | -1.0 | -1.3 | -0.3 | +0.9 | +89 | +105 | -5 |
| Top 85% | -2.4 | -1.7 | -1.9 | +5.9 | +37 | +69 | +89 | +72 | +11 | +1.0 | -2.1 | +47 | +2.8 | -1.2 | -1.5 | -0.4 | +0.6 | +84 | +99 | -7 |
| Top 90% | -3.2 | -2.3 | -1.4 | +6.3 | +35 | +66 | +84 | +67 | +10 | +0.8 | -1.5 | +42 | +2.2 | -1.5 | -1.9 | -0.7 | +0.4 | +78 | +93 | -10 |
| Top 95% | -4.5 | -3.3 | -0.5 | +6.9 | +31 | +61 | +77 | +59 | +9 | +0.5 | -0.5 | +36 | +1.4 | -1.9 | -2.4 | -1.0 | +0.1 | +70 | +84 | -13 |
| Top 99% | -7.4 | -5.2 | +1.3 | +8.1 | +24 | +50 | +60 | +42 | +6 | -0.1 | +1.5 | +25 | -0.1 | -2.8 | -3.4 | -1.7 | -0.4 | +57 | +68 | -20 |
| Low Value | -24.9 | -13.2 | +7.7 | +12.2 | +3 | +11 | +2 | -32 | -1 | -2.9 | +8.0 | -7 | -5.1 | -6.3 | -7.4 | -5.8 | -1.9 | +27 | +29 | -30 |



COMPLETENESS OF RECORDING

Twin Oaks Angus is proud to be an Angus studs to have gained a "5 Star" completeness of recording rating.

This is an Angus NZ initiated programme that assesses the quality of pedigree and performance information that stud breeders submit to Breedplan.

A 5 Star gold standard considers the recording to be "complete" performance information with Breedplan for all animals, across all traits for which EBV's are available.

We are very proud of this achievement and will strive to keep this standard into the future. The higher our accuracies the more reliable our breeding programme becomes.

BEEF-CLASS STRUCTURAL ASSESSMENT GUIDE

How to do Beef-Class Structural Assessments

For docility – 1 is Ideal (Docile), 3 is less ideal (restless) and 5 is aggressive. (Scores of 1 and 2 are preferred).

For traits scored 1-9:

- 4 and 6 show slight variation from ideal but this includes most animals. Any animal scoring 4 and 6 would be acceptable in any breeding program.

- 3 and 7 shows greater variation, but would be acceptable in most commercial breeding programs, but seed stock producers should be wary.

- 2 and 8 are low scoring animals and should be looked at closely before purchasing.

- 1 and 9 should not be catalogued and are considered culls.

| Trait | Key | Scoring Range | |
|---|----------|-----------------------|---|
| Docility | D | ① 2 3 4 ⑤ | 1. Docile 3. Restless 5. Aggressive |
| Front Feet Claw Set Rear Feet Claw Set | FC RC | 1 2 3 4 5 6 7 8 9 | 1. Open/Divergent 5. Good 9. Scissor Claw |
| Front Feet Angle Rear Feet Angle | FA RA | 1 2 3 4 5 6 7 8 9 | 1. Stubbed Toe 5. Good 9. Shallow Heel |
| Rear Legs Side View | RS | 1 2 3 4 5 6 7 8 9 | 1. Straight 5. Good 9. Sickie Hocked |
| Rear Legs Hind View | RH | 1 2 3 4 5 6 7 8 9 | 1. Bow Legged 5. Good 9. Cow Hocked |
| Front Legs Front View | FF | 1 2 3 4 5 6 7 8 9 | 1. Bow Legged 5. Good 9. Knocked Knee |
| Udder Evenness | UE | 1 2 3 4 5 6 7 8 9 | 1. Dropped Fore Qtr. 5. Good Balance 9. Dropped Rear Qtr. |
| Teat Size and Shape | TZ | 1 2 3 4 5 6 7 8 9 | 1. Very Small/Thin 5. Good 9. Very Large/Bulbous |
| Sheath & Navel Score | SN | ① 2 3 4 ⑤ | 1. Pendulous 3. Good 5. Clean/Tight |
| Capacity | CP | ① 2 3 4 ⑤ | 1. Lacking Capacity 3. Medium 5. Large Volume |
| Muscle Score | LM | A B C D E | A. Very Heavy C. Medium E. Light |



Lot: 1 TWIN OAKS N106

Society Ident: 20149017N106

DOB: 28/08/2017

AMFU NHFU CAFU DDFU

MUSGRAVE AVIATOR

TE MANIA 11 465

SIRE: MUSGRAVE MEDIATOR (IMP USA)

DAM: TWIN OAKS MAUDE L36

MUSGRAVE BARBARA LASS 273

GOLDWYN F497



Used as a yearling at Twin Oaks. Heifers first Calf.
TOP 10% birth weight, milk. TOP 20% IMF and API.
TOP 25% Carcass weight and SRI



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 7 | 6 | 6 | 6 | 6 | 6 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$134 | \$157 |

A+

| N.Z. ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-------------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.6 | -1.0 | -1.6 | +2.0 | +44 | +85 | +107 | +68 | +21 | +2.2 | -3.8 | +68 | +1.3 | +0.1 | +0.3 | -0.8 | +2.5 |
| Acc | 40% | 27% | 84% | 74% | 69% | 69% | 71% | 65% | 55% | 72% | 32% | 60% | 59% | 62% | 59% | 54% | 58% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

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: 2 TWIN OAKS PATRIOT N008

Society Ident: 20149017N008

DOB: 18/08/17

AMF NHFU CAFU DDFU

KC HAAS GPS (IMP USA)

MATAURI COMPLETE F010 (ET)

SIRE: KAKAHU KEYSTONE 14468

DAM: TWIN OAKS PATRIOT K220

LAWSONS ANGUS NZ 08345

GOLDWYN F469



Semen has been collected for use in herd only.
Used as a yearling at Twin Oaks.
TOP 1% Gest Length, 600 days, Scrotal, SRI and API 200 and 400 days
TOP 5% Calving Ease Direct and Daughters, Caracass Weight, IMF



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$190 | \$245 |

A+

| N.Z. ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-------------------------------|--------------------------|--------|------|------|--------|------|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +4.5 | +4.1 | -9.8 | +4.7 | +60 | +106 | +146 | +139 | +16 | +4.1 | -6.3 | +78 | +5.8 | +0.6 | +0.7 | -0.3 | +3.4 |
| Acc | 0.44 | 0.35 | 0.84 | 0.75 | 0.71 | 0.7 | 0.73 | 0.67 | 0.56 | 0.72 | 0.36 | 0.6 | 0.6 | 0.64 | 0.61 | 0.56 | 0.59 |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | CARCASS | | | | INDEXES | | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|---------|------|-----|------|---------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |



Lot: 3 TWIN OAKS N104

Society Ident: 20149017N104

DOB: 28/08/17

AMFU NHFU CAFU DDFU

MUSGRAVE AVIATOR

IRELANDS GAPSTED G25 (IMP AUS)

SIRE: MUSGRAVE MEDIATOR (IMP USA)

DAM: TWIN OAKS WINIFRED L32

MUSGRAVE BARBARA LASS 273

TWIN OAKS WINIFRED J146



Used as a yearling at Twin Oaks. Heifers First Calf
TOP 5% for 400 and 600 days, SRI and API
TOP 10% 200 days, Scrotal, Carcass weight



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$160 | \$189 |

A

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|------|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -0.3 | +1.0 | -0.6 | +5.1 | +54 | +102 | +133 | +113 | +17 | +2.8 | -4.9 | +74 | +4.4 | -0.7 | +0.3 | +0.4 | +1.5 |
| Acc | 41% | 27% | 84% | 74% | 69% | 69% | 72% | 65% | 55% | 72% | 34% | 61% | 59% | 63% | 59% | 55% | 59% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

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: 4 TWIN OAKS N017

Society Ident: 20149017N017

DOB: 21/08/17

AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA)

MATAURI COMPLETE F010 (ET)

SIRE: KAKAHU KEYSTONE 14468

DAM: TWIN OAKS ZODIAC K234

LAWSONS ANGUS NZ 08345

GOLDWYN F410



Used as a yearling at Twin Oaks.
TOP 1% Calving Ease Daughters, Rib and Rump Fat, SRI and API
TOP 5% Calving Ease Direct, Scrotal. TOP 10% gest length, Days to Calving
TOP 15% Birth Weight, EMA. TOP 25% Carcass Weight



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$175 | \$200 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +4.5 | +4.4 | -7.6 | +2.7 | +47 | +88 | +112 | +93 | +15 | +3.4 | -7.0 | +68 | +7.9 | +3.4 | +3.4 | -0.9 | +2.2 |
| Acc | 56% | 39% | 84% | 75% | 70% | 70% | 73% | 67% | 55% | 72% | 37% | 59% | 59% | 63% | 61% | 56% | 58% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |



Lot: 5 TWIN OAKS N030

Society Ident: 20149017N030

DOB: 22/08/2017

AMF NHFU CAFU DDFU

KC HAAS GPS (IMP USA)

MATAURI COMPLETE F010 (ET)

SIRE: KAKAHU KEYSTONE 14468

DAM: TWIN OAKS PEARL K225

LAWSONS ANGUS NZ 08345

GOLDWYN E306



Used as a yearling at Twin Oaks.
 TOP 1% Calving Ease Daughters, SRI
 TOP 5% Calving Ease Direct, Scrotal, EMA, Rib and Rump Fat, API
 TOP 10% Gest length. TOP 15% Days to Calving, IMF.



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$175 | \$194 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +4.9 | +4.4 | -7.2 | +3.5 | +48 | +84 | +101 | +88 | +14 | +3.7 | -6.7 | +61 | +9.5 | +2.3 | +2.8 | -0.6 | +2.8 |
| Acc | 55% | 38% | 84% | 74% | 70% | 70% | 73% | 66% | 56% | 72% | 36% | 60% | 59% | 63% | 61% | 56% | 58% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

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: 6 TWIN OAKS N141

Society Ident: 20149017N141

DOB: 1/09/19

AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E

ARDROSSAN EQUATOR A241 (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: FLORIDALE FADINE

S A V PRIMROSE 7861

FLORIDALE X NADINE 200



Used as a yearling at Twin Oaks.
 TOP 1% SRI.
 TOP 5% 400 days, scrotal, Days to Calving and API
 TOP 10% 200 and 600 days. TOP 20% Carcase Weight, Calving Ease Daughters



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 4 | 5 | 5 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$171 | \$195 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|------|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -1.1 | +2.4 | -2.1 | +4.5 | +54 | +103 | +131 | +97 | +18 | +3.4 | -7.7 | +69 | +2.9 | +0.2 | +0.1 | +0.2 | +1.7 |
| Acc | 62% | 51% | 73% | 75% | 72% | 71% | 74% | 69% | 63% | 74% | 42% | 64% | 63% | 65% | 62% | 58% | 61% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

Lot: 7 TWIN OAKS N016 Society Ident: 20149017N016

DOB: 21/08/17 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) GOLDWYN H817

SIRE: KAKAHU KEYSTONE 14468 DAM: TWIN OAKS SUSAN 063

LAWSONS ANGUS NZ 08345 GOLDWYN G186



Used as a yearling at Twin Oaks.
TOP 1% Calving Ease Daughters and SRI
TOP 5% Calving Ease Direct, Scrotal, and API
TOP 10% Days to Calving, Rump Fat. TOP 15% gestation Length. TOP 20% BW



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | | A+ |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|----|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API | |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1 | \$172 | \$192 | |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +4.7 | +4.8 | -6.5 | +3.1 | +46 | +85 | +104 | +86 | +16 | +3.3 | -6.9 | +61 | +5.5 | +0.7 | +1.8 | +0.0 | +2.2 |
| Acc | 55% | 38% | 84% | 74% | 70% | 70% | 73% | 66% | 55% | 72% | 36% | 60% | 59% | 63% | 60% | 55% | 58% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot: 8 TWIN OAKS N091 Society Ident: 20149017N091

DOB: 28/08/2017 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: KAKAHU KEYSTONE 14468 DAM: TWIN OAKS WILMA K087

LAWSONS ANGUS NZ 08345 TWIN OAKS WILMA 842



Used as a yearling at Twin Oaks.
TOP 10% Calving Ease Direct and Daughters, SRI and API
TOP 15% Scrotal, Days to Calving, Rump Fat. TOP 25% BW and IMF



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | | A+ |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|----|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API | |
| 5 | 6 | 5 | 6 | 6 | 5 | 5 | 4 | 1 | \$151 | \$171 | |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +3.3 | +3.2 | -4.4 | +3.1 | +44 | +77 | +96 | +82 | +15 | +2.7 | -6.6 | +58 | +4.5 | +0.7 | +1.4 | -0.1 | +2.3 |
| Acc | 46% | 38% | 84% | 74% | 71% | 70% | 73% | 66% | 56% | 72% | 39% | 61% | 61% | 64% | 61% | 57% | 60% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASS | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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: 9 TWIN OAKS N103 Society Ident: 20149017N103

DOB: 28/08/17 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) TE MANIA 11 465

SIRE: KAKAHU KEYSTONE 14468 DAM: TWIN OAKS FUCHSIA K228

LAWSONS ANGUS NZ 08345 TWIN OAKS FUCHSIA H22



Used as a yearling at Twin Oaks.
TOP 5% Rib and Rump Fat, IMF and SRI
TOP 10% Days to Calving and API. TOP 15% Calving Ease Direct and EMA
TOP 20% BW



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | | A+ |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|----|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API | |
| 5 | 7 | 6 | 6 | 6 | 5 | 5 | 5 | 1.5 | \$159 | \$179 | |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +2.9 | +1.1 | -5.2 | +2.9 | +44 | +79 | +94 | +78 | +14 | +2.3 | -7.3 | +57 | +7.5 | +2.1 | +2.7 | -1.0 | +3.4 |
| Acc | 45% | 37% | 84% | 74% | 70% | 70% | 73% | 66% | 55% | 72% | 37% | 60% | 60% | 63% | 61% | 56% | 58% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics



Lot: 10 TWIN OAKS N014

Society Ident: 20149017N014

DOB: 20/08/17

AMFU NHFU CAFU DDFU

CONNELY EARNAN 076E

S A V BRILLIANCE 8077 (IMP USA)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: TWIN OAKS PANSY K133

S A V PRIMROSE 7861

GOLDWYN F495



TOP 5% SRI and API
TOP 10% Calving Ease Daughters, Gestation Length, 200, 400 and 600 days
TOP 15% Carcase weight. TOP 20% Scrotal



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$168 | \$191 |

A

| NZ ANGUS BreedPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|---------|------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASE | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +1.6 | +3.1 | -7.6 | +3.9 | +55 | +97 | +127 | +107 | +10 | +2.5 | -5.8 | +72 | +6.4 | -0.4 | -0.1 | +0.7 | +0.8 |
| Acc | 60% | 47% | 84% | 75% | 72% | 71% | 74% | 70% | 63% | 66% | 37% | 63% | 62% | 65% | 62% | 58% | 61% |

Traits Observed: GL,BWT,200WT,400WT,600WT,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | CARCASE | | | | | | INDEXES | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|---------|------|-----|------|------|------|---------|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |



Lot: 11 TWIN OAKS N218

Society Ident: 20149017N218

DOB: 11/09/17

AMFU NHFU CAFU DDFU

CARABAR DOCKLANDS D62 (IMP AUS)

TE MANIA INFINITY 04 379

SIRE: WATTLETOP KIWI K15 (AI) (IMP AUS)

DAM: GOLDWYN F414

WATTLETOP ANN H66(AI)

GOLDWYN B5



TOP 5% Scrotal. TOP 15% Days to Calving
TOP 20% SRI and API. TOP 25% 200 days



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$139 | \$158 |

A

| NZ ANGUS BreedPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|---------|------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASE | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | -1.2 | -0.5 | -1.5 | +7.1 | +49 | +88 | +113 | +109 | +9 | +3.2 | -6.4 | +61 | +3.8 | -1.0 | +0.4 | +0.8 | +0.8 |
| Acc | 50% | 44% | 85% | 75% | 71% | 71% | 73% | 67% | 59% | 73% | 42% | 62% | 61% | 64% | 62% | 58% | 60% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

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: 12 TWIN OAKS N293

Society Ident: 20149017N293

DOB: 30/09/17

AMFU NHFU CAFU DDFU

TUWHARETOA REGENT D145(AI)(ET) (IMP AUS)

GOLDWYN 931

SIRE: TE MANIA 11 465

DAM: GOLDWYN G131

TE MANIA 05 019

GOLDWYN D284



TOP 20% Carcase Weight, IMF and API
TOP 25% 600 days



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$118 | \$162 |

A+

| N.Z. ANGUS GROUP BREED PLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +0.1 | -2.5 | -4.4 | +6.2 | +48 | +86 | +118 | +109 | +9 | +0.5 | -1.4 | +69 | +4.7 | -0.3 | -0.8 | -0.7 | +2.6 |
| Acc | 59% | 46% | 71% | 75% | 71% | 74% | 69% | 63% | 73% | 41% | 62% | 61% | 64% | 62% | 58% | 60% | |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |



Lot: 13 N150

S A V IRON MOUNTAIN 8066 (IMP USA)

MATAURI OUTLIER F031

SIRE: S A V ANGUS VALLEY 1867 (IMP USA)

DAM: TWIN OAKS QUALITY K147

S A V MAY 2397

GOLDWYN F417



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 6 | 7 | 5 | 5 | 4 | 1 |

| \$ INDEX VALUES | |
|-----------------|-----|
| SRI | API |
| | |

| N.Z. ANGUS GROUP BREED PLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|----|----|--------|-----|-----|-----|-----------|----|-----|----|---------|-----|------|-----|-----|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | | | | | | | | | | | | | | | | | |
| Acc | | | | | | | | | | | | | | | | | |

EBV DATA WILL BE AVAILABLE ON SALE DAY

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: 14 TWIN OAKS N249

Society Ident: 20149017N249

DOB: 15/09/17

AMFU NHFU CAFU DDFU

IRELANDS GAPSTED G25 (IMP AUS)

BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: TWIN OAKS L21

DAM: TWIN OAKS VALENTINE K036

TWIN OAKS J003 (ET)

TWIN OAKS VALENTINE H52



TOP 15% Gestation Length
TOP 20% SRI. TOP 25% Rump Fat and API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$136 | \$154 |

A

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.7 | +1.6 | -6.2 | +4.1 | +44 | +82 | +104 | +91 | +15 | +1.7 | -4.3 | +54 | +4.1 | -0.5 | +0.7 | +0.5 | +1.1 |
| Acc | 42% | 34% | 67% | 72% | 68% | 67% | 68% | 64% | 55% | 67% | 39% | 60% | 59% | 63% | 60% | 56% | 58% |

Traits Observed: BWT,400WT,600WT,SS,FAT,EMA,IMF,Genomics



Lot: 15 TWIN OAKS N020

Society Ident: 20149017N020

DOB: 21/08/17

AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E

IRELANDS GAPSTED G25 (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: TWIN OAKS RONA L14

S A V PRIMROSE 7861

GOLDWYN G150



Heifers first calf
TOP 10% Calving Ease Daughters
TOP 25% Days to Calving



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 5 | 6 | 5 | 6 | 4 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$129 | \$150 |

A

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -1.4 | +3.4 | -4.3 | +4.6 | +47 | +77 | +102 | +82 | +6 | +1.1 | -4.6 | +52 | +6.8 | -0.1 | -0.3 | +0.2 | +1.2 |
| Acc | 60% | 47% | 84% | 74% | 71% | 70% | 73% | 69% | 62% | 73% | 38% | 63% | 63% | 65% | 62% | 58% | 62% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot: 16 TWIN OAKS N277

Society Ident: 20149017N277

DOB: 25/09/17

AMFU NHFU CAFU DDFU

RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)

TWIN OAKS J049

SIRE: TWIN OAKS L82

DAM: TWIN OAKS RUBY L151

GOLDWYN D252

TWIN OAKS RUBY J108



Heifers first calf
TOP 10% SRI and API
TOP 15% 400 days. TOP 20% 600 days



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 4 | 5 | 5 | 5 | 5 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$147 | \$180 |

A+

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.0 | -0.6 | -3.2 | +4.8 | +48 | +93 | +122 | +112 | +13 | +2.2 | -5.4 | +68 | +3.9 | +0.0 | +0.0 | +0.4 | +1.7 |
| Acc | 41% | 34% | 67% | 72% | 68% | 68% | 71% | 65% | 56% | 71% | 39% | 60% | 58% | 63% | 59% | 55% | 58% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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: 17 TWIN OAKS N115 Society Ident: 20149017N115

DOB: 29/08/17 AMFU NHFU CAFU DDFU

G A R PROGRESS (IMP USA) IRELANDS GAPSTED G25 (IMP AUS)

SIRE: G A R MOMENTUM (IMP USA) DAM: TWIN OAKS K122

G A R BIG EYE 1770 MATAURI F003 (ET)



TOP 5% EMA. TOP 10% IMF
TOP 20% BW and Milk. TOP 25% SRI and API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 4 | 5 | 4 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$133 | \$154 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -0.2 | +0.4 | -1.2 | +3.0 | +41 | +79 | +93 | +77 | +19 | +2.1 | -1.5 | +57 | +10.2 | +0.3 | -0.4 | +0.4 | +3.1 |
| Acc | 51% | 43% | 84% | 75% | 71% | 71% | 74% | 69% | 61% | 73% | 39% | 63% | 62% | 65% | 62% | 58% | 61% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot: 18 TWIN OAKS N114 Society Ident: 20149017N114

DOB: 29/08/17 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) ATAHUA 434-08

SIRE: KAKAHU KEYSTONE 14468 DAM: TWIN OAKS UNVEIL J023

LAWSONS ANGUS NZ 08345 531 OF NARBOROUGH



Used as a yearling at Twin Oaks.
TOP 1% Scrotal. TOP 5% SRI
TOP 10% Rump Fat and API. TOP 15% 200 and 400 days
TOP 25% Calving Ease Direct



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$162 | \$180 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +2.0 | +1.7 | -3.3 | +6.0 | +52 | +95 | +115 | +110 | +10 | +4.3 | -5.3 | +63 | +5.4 | +0.2 | +1.5 | +0.0 | +1.8 |
| Acc | 43% | 34% | 72% | 74% | 70% | 70% | 73% | 66% | 56% | 72% | 35% | 60% | 59% | 63% | 60% | 56% | 58% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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: 19 TWIN OAKS N070 Society Ident: 20149017N070

DOB: 26/08/17 AMFU NHFU CAFU DDFU

G A R PROGRESS (IMP USA) IRELANDS GAPSTED G25 (IMP AUS)

SIRE: G A R MOMENTUM (IMP USA) DAM: TWIN OAKS DELI L002

G A R BIG EYE 1770 TWIN OAKS DELI J128



Used as a yearling at Twin Oaks.
Heifers first Calf
TOP 5% EMA. TOP 10% RBY
TOP 15% SRI and API. TOP 20% 200 and 400 days



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 5 | 6 | 6 | 5 | 5 | 4 | 2.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$145 | \$169 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.3 | +0.2 | -4.3 | +5.4 | +51 | +91 | +115 | +104 | +16 | +1.3 | -0.9 | +66 | +10.7 | -0.2 | -1.2 | +1.5 | +1.7 |
| Acc | 59% | 44% | 84% | 74% | 71% | 70% | 73% | 69% | 60% | 73% | 38% | 63% | 62% | 64% | 61% | 58% | 61% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot: 20 TWIN OAKS N187 Society Ident: 20149017N187

DOB: 6/09/17 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: KAKAHU KEYSTONE 14468 DAM: TWIN OAKS K060

LAWSONS ANGUS NZ 08345 TWIN OAKS BRONNIE 728



Used as a yearling at Twin Oaks.
TOP 1% Rump Fat. TOP 5% SRI
TOP 10% Calving Ease Direct and Daughters, Gest Length, Days to Calving, API
TOP 15% Scrotal, Rib Fat and IMF



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 5 | 6 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$156 | \$179 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +3.7 | +3.3 | -7.0 | +3.2 | +44 | +77 | +97 | +91 | +15 | +2.6 | -6.8 | +51 | +4.5 | +1.4 | +3.5 | -0.7 | +2.8 |
| Acc | 46% | 38% | 71% | 74% | 70% | 70% | 73% | 67% | 56% | 72% | 39% | 61% | 60% | 63% | 61% | 56% | 59% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:21 TWIN OAKS N162

Society Ident: 20149017N162

DOB: 4/09/17

AMFU NHFU CAFU DDFU

CONNELY EARNAN 076E

VERMONT DRAMBUIE D057(AI)(ET) (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: GOLDWYN G104

S A V PRIMROSE 7861

GOLDWYN 446



Used as a yearling at Twin Oaks.
TOP 5% EMA, SRI and API
TOP 10% 400 days and Rump Fat.
TOP 15% 600 days. TOP 20% Calving Ease Daughters, 200 days, Scrotal



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 6 | 7 | 6 | 7 | 7 | 5 | 7 | 4 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$166 | \$193 |

A+

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -1.3 | +2.2 | -5.2 | +5.7 | +51 | +99 | +126 | +102 | +14 | +2.4 | -3.7 | +63 | +9.0 | +0.8 | +1.5 | +0.8 | +1.7 |
| Acc | 55% | 49% | 85% | 75% | 72% | 72% | 74% | 69% | 65% | 74% | 41% | 64% | 63% | 65% | 63% | 58% | 62% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:22 TWIN OAKS N060

Society Ident: 20149017N060

DOB: 23/08/2017

AMFU NHFU CAFU DDFU

G A R PROGRESS (IMP USA)

KAIWARA 546

SIRE: G A R MOMENTUM (IMP USA)

DAM: TWIN OAKS BRAID H39

G A R BIG EYE 1770

TWIN OAKS BRAID 911



Used as a yearling at Twin Oaks.
TOP 10% 400 days, SRI and API
TOP 20% IMF. TOP 25% EMA



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$147 | \$174 |

A+

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.5 | -0.4 | -3.3 | +5.6 | +47 | +97 | +114 | +121 | +14 | +2.0 | -2.1 | +66 | +6.6 | -0.7 | -0.7 | +0.5 | +2.6 |
| Acc | 51% | 43% | 70% | 75% | 71% | 71% | 74% | 69% | 62% | 73% | 38% | 62% | 62% | 64% | 62% | 58% | 61% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:23 TWIN OAKS N043

Society Ident: 20149017N043

DOB: 24/08/2017

AMFU NHFU CAFU DDFU

MUSGRAVE AVIATOR

BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: MUSGRAVE MEDIATOR (IMP USA)

DAM: TWIN OAKS J003 (ET)

MUSGRAVE BARBARA LASS 273

OAKVIEW ALICE 222



Used as a yearling at Twin Oaks.
TOP 15% SRI. TOP 20% Rump Fat



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$144 | \$148 |

A

| NZ ANGUS BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +0.4 | +0.1 | -4.7 | +4.1 | +45 | +84 | +96 | +81 | +15 | +1.6 | -5.4 | +66 | +2.6 | -0.5 | +1.1 | +0.5 | +1.5 |
| Acc | 44% | 32% | 84% | 75% | 71% | 70% | 72% | 66% | 58% | 73% | 37% | 62% | 61% | 64% | 60% | 57% | 60% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics



Lot:24 TWIN OAKS N120

Society Ident: 20149017N120

DOB: 30/08/17

AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E

VERMILLION NEW DESIGN L805 (IMP USA)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: GOLDWYN E333

S A V PRIMROSE 7861

GOLDWYN 619



TOP 5% 200 and 400 days
TOP 10% 600 days, SRI and API
TOP 15% RBV. TOP 20% Carcase Weight and EMA



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 4 | 6 | 6 | 5 | 6 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$150 | \$178 |

A

| NZ ANGUS BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------|--------------------------|--------|------|------|--------|------|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | -2.4 | -2.7 | -2.9 | +5.8 | +56 | +100 | +131 | +123 | +3 | +2.1 | -2.7 | +70 | +7.1 | -1.3 | -1.8 | +1.3 | +0.9 |
| Acc | 54% | 46% | 85% | 75% | 72% | 72% | 74% | 70% | 64% | 74% | 38% | 63% | 62% | 65% | 63% | 58% | 61% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:25 TWIN OAKS N062

Society Ident: 20149017N062

DOB: 24/08/2017

AMFU NHFU CAFU DDFU

CONNELY EARNAN 076E

VERMONT DRAMBUIE D057(AI)(ET) (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: GOLDWYN G113

S A V PRIMROSE 7861

GOLDWYN 256



TOP 5% Gestation Length, EMA
TOP 10% Calving Ease Daughters. TOP 15% SRI
TOP 20% RBY and API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 5 | 5 | 6 | 5 | 6 | 4 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$140 | \$158 |

A

| NZ ANGUS 2019 BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +1.0 | +2.9 | -8.0 | +4.1 | +44 | +82 | +101 | +82 | +7 | +0.5 | -1.5 | +59 | +9.0 | -0.4 | -1.3 | +1.2 | +1.1 |
| Acc | 62% | 50% | 84% | 75% | 72% | 72% | 74% | 70% | 65% | 74% | 41% | 64% | 63% | 66% | 63% | 59% | 62% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:26 TWIN OAKS N243

Society Ident: 20149017N243

DOB: 14/09/17

AMFU NHFU CAFU DDFU

TUWHARETOA REGENT D145(AI)(ET) (IMP AUS)

STERN CHIEF 09418

SIRE: TE MANIA 11 465

DAM: TWIN OAKS BETH

TE MANIA 05 019

TWIN OAKS BELL 934



TOP 15% Gestation Length
TOP 20% Rump Fat. TOP 25% Carcase Weight



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 4 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$84 | \$116 |

| NZ ANGUS 2019 BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -5.0 | -7.0 | -6.3 | +4.8 | +44 | +78 | +110 | +115 | +12 | +0.0 | -1.8 | +68 | +2.5 | +0.6 | +1.1 | -0.8 | +1.6 |
| Acc | 51% | 44% | 70% | 75% | 71% | 74% | 69% | 62% | 73% | 42% | 62% | 62% | 65% | 62% | 58% | 60% | |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:27 TWIN OAKS N084

Society Ident: 20149017N084

DOB: 27/08/17

AMFU NHFU CAFU DDFU

CONNELY EARNAN 076E

TWIN OAKS H61

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: TWIN OAKS L212

S A V PRIMROSE 7861

GOLDWYN G185



Heifers first Calf
TOP 5% SRI. TOP 10% Calving Ease Daughters, EMA and API
TOP 15% 400 day. TOP 20% 200 and 600 days and Rump Fat



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$163 | \$173 |

A

| NZ ANGUS 2019 BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.2 | +3.3 | -1.9 | +3.5 | +51 | +95 | +119 | +88 | +14 | +1.3 | -4.4 | +59 | +8.6 | +0.2 | +0.9 | +0.6 | +0.4 |
| Acc | 50% | 44% | 84% | 74% | 71% | 70% | 73% | 67% | 62% | 73% | 36% | 62% | 62% | 64% | 61% | 57% | 60% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:28 TWIN OAKS N116

Society Ident: 20149017N116

DOB: 29/08/17

AMFU NHFU CAFU DDFU

CONNELY EARNAN 076E

BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: TWIN OAKS BRAID K009

S A V PRIMROSE 7861

TWIN OAKS BRAID H39



TOP 10% Rump Fat. TOP 15% Days to Calving
TOP 20% Calving Ease Daughters. TOP 25% IMF



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 4 | 4 | 5 | 5 | 5 | 6 | 4 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$130 | \$147 |

A

| NZ ANGUS 2019 BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -2.5 | +2.4 | -3.5 | +3.8 | +46 | +82 | +101 | +84 | +9 | +1.1 | -6.4 | +54 | +1.1 | -0.1 | +1.8 | -1.5 | +2.3 |
| Acc | 61% | 50% | 84% | 75% | 71% | 71% | 74% | 70% | 63% | 73% | 39% | 63% | 63% | 65% | 63% | 58% | 62% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:29 TWIN OAKS N085 Society Ident: 20149017N085

DOB: 27/08/17 AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E IRELANDS GAPSTED G25 (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA) DAM: TWIN OAKS L43

S A V PRIMROSE 7861 TWIN OAKS J121 (P)



Heifers first Calf
TOP 5% 200, 400 and 600 day and API
TOP 10% Carcase Weight and SRI. TOP 15% Calving Ease Daughters, Scrotal and EMA



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 4 | 5 | 6 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$146 | \$181 |

A

| NZ ANGUS BLOOD BREEDING | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|------|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -2.9 | +2.5 | -1.5 | +6.4 | +59 | +103 | +140 | +124 | +9 | +2.6 | -0.8 | +75 | +7.5 | -0.4 | +0.4 | +0.2 | +1.4 |
| Acc | 51% | 44% | 84% | 74% | 71% | 70% | 73% | 68% | 62% | 73% | 38% | 63% | 62% | 65% | 61% | 57% | 61% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:30 TWIN OAKS N088 Society Ident: 20149017N088

DOB: 27/08/17 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) GOLDWYN 863

SIRE: KAKAHU KEYSTONE 14468 DAM: GOLDWYN F471

LAWSONS ANGUS NZ 08345 GOLDWYN D215



TOP 5% Calving Ease Direct and Daughters and Birth Weight
TOP 10% Gest Length, Scrotal, IMF and API
TOP 15% Rib Fat, Rump Fat and SRI



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$144 | \$177 |

A+

| NZ ANGUS BLOOD BREEDING | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +4.2 | +3.6 | -7.3 | +1.1 | +39 | +73 | +94 | +80 | +14 | +2.9 | -5.1 | +49 | +3.3 | +1.2 | +1.2 | -0.7 | +3.2 |
| Acc | 45% | 36% | 71% | 74% | 71% | 70% | 73% | 67% | 58% | 72% | 36% | 60% | 60% | 63% | 61% | 56% | 59% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:31 TWIN OAKS N176 Society Ident: 20149017N176

DOB: 6/09/17 AMFU NHFU CAFU DDFU

CARABAR DOCKLANDS D62 (IMP AUS) FLORIDALE YEOMAN

SIRE: WATTLETOP KIWI K15 (AI) (IMP AUS) DAM: GOLDWYN F433

WATTLETOP ANN H66(AI) GOLDWYN B4



TOP 25% 600 days
TOP 30% API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 4 | 6 | 5 | 6 | 6 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$117 | \$149 |

A

| NZ ANGUS BLOOD BREEDING | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.4 | +1.5 | -5.3 | +6.2 | +46 | +84 | +118 | +130 | +14 | +1.0 | -4.2 | +62 | +1.5 | -1.1 | +0.2 | +0.0 | +0.5 |
| Acc | 48% | 40% | 84% | 74% | 71% | 70% | 69% | 65% | 59% | 73% | 38% | 62% | 60% | 64% | 61% | 57% | 60% |

Traits Observed: GL,BWT,200WT,400WT,SS,FAT,EMA,IMF,Genomics

Lot:32 TWIN OAKS N034 Society Ident: 20149017N034

DOB: 22/08/2017 AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E TWIN OAKS J049

SIRE: MUSGRAVE BIG SKY (IMP USA) DAM: TWIN OAKS UNVEIL L90

S A V PRIMROSE 7861 TWIN OAKS UNVIEL G67



Heifers first Calf
TOP 5% 400 days, SRI and API
TOP 10% Calving Ease Daughters, 200 days and 600 Days.
TOP 25% Gest Length



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 5 | 4 | 5 | 6 | 5 | 5 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$164 | \$184 |

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| NZ ANGUS BLOOD BREEDING | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------|--------|------|------|--------|------|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -0.2 | +3.2 | -5.5 | +5.5 | +55 | +102 | +129 | +110 | +11 | +1.2 | -4.8 | +66 | +5.8 | -0.6 | -0.7 | +0.9 | +0.7 |
| Acc | 51% | 44% | 84% | 74% | 71% | 70% | 73% | 69% | 62% | 73% | 37% | 63% | 62% | 64% | 61% | 57% | 60% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:33 TWIN OAKS N011

Society Ident: 20149017N011

DOB: 19/08/17

AMFU NHFU CAFU DDFU

CONNELY EARNAN 076E

GOLDWYN 0671

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: GOLDWYN D284

S A V PRIMROSE 7861

GOLDWYN B40



TOP 5% Calving Ease Daughters and Gestation Length
TOP 25% SRI
TOP 30% EMA AND API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 4 | 6 | 6 | 5 | 6 | 5 | 2 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$135 | \$148 |

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.8 | +4.0 | -8.0 | +4.0 | +39 | +72 | +86 | +60 | +6 | +0.8 | -4.4 | +46 | +6.2 | +0.1 | -0.1 | +0.4 | +1.4 |
| Acc | 61% | 48% | 84% | 76% | 73% | 72% | 74% | 70% | 66% | 74% | 37% | 64% | 63% | 66% | 63% | 59% | 62% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:34 TWIN OAKS N271

Society Ident: 20149017N271

DOB: 23/09/17

AMFU NHFU CAFU DDFU

TE MANIA 11 465

200 OF KAWATIRI

SIRE: TWIN OAKS L132

DAM: TWIN OAKS BELL J068

TWIN OAKS BETTY 62

TWIN OAKS BETH 942



TOP 25% Rump Fat
TOP 40% Scrotal and Rib Fat



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 5 | 6 | 5 | 6 | 3 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$97 | \$131 |

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -1.1 | -2.8 | -3.6 | +4.9 | +40 | +77 | +109 | +103 | +15 | +2.0 | -1.0 | +57 | +2.2 | +0.2 | +0.8 | -0.3 | +1.2 |
| Acc | 52% | 33% | 65% | 72% | 67% | 67% | 71% | 63% | 54% | 70% | 34% | 58% | 56% | 61% | 58% | 53% | 55% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:35 TWIN OAKS N300

Society Ident: 20149017N300

DOB: 30/09/17

AMFU NHFU CAFU DDFU

TE MANIA 11 465

ATAHUA 434-08

SIRE: TWIN OAKS L132

DAM: TWIN OAKS EVEREST H12

TWIN OAKS BETTY 62

81 OF KAWATIRI (ET)



TOP 35% IMF
TOP 40% RBY and API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 5 | 6 | 4 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$105 | \$140 |

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +0.0 | -1.3 | -2.5 | +5.5 | +41 | +72 | +99 | +82 | +11 | -0.2 | +0.6 | +48 | +6.4 | -1.2 | -1.5 | +0.7 | +2.0 |
| Acc | 39% | 31% | 65% | 72% | 67% | 67% | 71% | 64% | 55% | 70% | 35% | 57% | 56% | 60% | 58% | 53% | 55% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:36 TWIN OAKS N207

Society Ident: 20149017N207

DOB: 9/09/17

AMFU NHFU CAFU DDFU

IRELANDS GAPSTED G25 (IMP AUS)

MATAURI COMPLETE F010 (ET)

SIRE: TWIN OAKS L21

DAM: TWIN OAKS K250

TWIN OAKS J003 (ET)

GOLDWYN E381



TOP 10% Scrotal. TOP 15% RBY
TOP 20% 200 days. TOP 25% SRI and API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| | | | | | | | | |
| 5 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 1 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$135 | \$152 |

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -2.4 | +1.1 | -3.1 | +6.2 | +51 | +87 | +112 | +102 | +11 | +2.9 | -4.2 | +65 | +6.4 | -0.1 | -1.0 | +1.4 | +0.9 |
| Acc | 38% | 28% | 65% | 71% | 66% | 67% | 71% | 64% | 53% | 70% | 34% | 58% | 56% | 61% | 58% | 53% | 56% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:37 TWIN OAKS N165 Society Ident: 20149017N165

DOB: 4/09/17 AMFU NHFU CAFU DDFU

CARABAR DOCKLANDS D62 (IMP AUS) ATAHUA 434-08

SIRE: WATTLETOP KIWI K15 (AI) (IMP AUS) DAM: TWIN OAKS VALENTINE G59

WATTLETOP ANN H66(AI) TWIN OAKS VALENTINE 810



TOP 10% RBY
TOP 15% Gest Length. TOP 25% API



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API |
| 5 | 6 | 4 | 5 | 5 | 4 | 6 | 3 | 2 | \$123 | \$153 |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -0.1 | +0.0 | -6.5 | +6.9 | +46 | +78 | +112 | +103 | +11 | +1.8 | -2.7 | +53 | +6.2 | -1.3 | +0.0 | +1.6 | +0.4 |
| Acc | 46% | 38% | 84% | 75% | 70% | 70% | 72% | 66% | 57% | 73% | 37% | 60% | 59% | 63% | 61% | 56% | 58% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:38 TWIN OAKS N044 Society Ident: 20149017N044

DOB: 24/08/2017 AMFU NHFU CAFU DDFU

MUSGRAVE AVIATOR BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: MUSGRAVE MEDIATOR (IMP USA) DAM: TWIN OAKS DELI K042

MUSGRAVE BARBARA LASS 273 TWIN OAKS DELI 812



TOP 10% Birth Weight. TOP 15% SRI and API
TOP 25% Milk, Days to Calving and IMF



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API |
| 5 | 6 | 5 | 5 | 6 | 5 | 6 | 5 | 1.5 | \$145 | \$166 |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +1.2 | +0.7 | -3.7 | +2.3 | +43 | +83 | +102 | +76 | +18 | +1.3 | -5.6 | +60 | +4.0 | -0.6 | -0.3 | +0.0 | +2.3 |
| Acc | 42% | 30% | 84% | 74% | 70% | 70% | 72% | 66% | 57% | 72% | 35% | 61% | 60% | 64% | 60% | 56% | 59% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:39 TWIN OAKS N181 Society Ident: 20149017N181

DOB: 6/09/17 AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E IRELANDS GAPSTED G25 (IMP AUS)

SIRE: MUSGRAVE BIG SKY (IMP USA) DAM: TWIN OAKS KOWKA K106

S A V PRIMROSE 7861 TWIN OAKS KOWKA 856

TOP 10% Rump Fat. TOP 15% Calving Ease Daughters.
TOP 25% Gest Length, 400 days and SRI



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API |
| 5 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 1.5 | \$134 | \$151 |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | -2.3 | +2.8 | -5.4 | +5.4 | +48 | +89 | +115 | +100 | +11 | +1.8 | -5.5 | +52 | +3.2 | +0.7 | +2.0 | -0.6 | +0.6 |
| Acc | 52% | 45% | 84% | 75% | 71% | 71% | 74% | 69% | 62% | 73% | 38% | 63% | 62% | 65% | 62% | 58% | 61% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:40 TWIN OAKS N083 Society Ident: 20149017N083

DOB: 27/08/17 AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA) S A V ANGUS VALLEY 1867 (IMP USA)

SIRE: KAKAHU KEYSTONE 14468 DAM: TWIN OAKS ZODIAC L184

LAWSONS ANGUS NZ 08345 GOLDWYN F410



Heifers first Calf
TOP 5% Calving Ease Direct and Daughters, Scrotal
TOP 10% Birth Weight, Rump Fat.
TOP 15% Rib Fat, SRI and API



| Structural Assessment | | | | | | | | | \$ INDEX VALUES | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|-----------------|-------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility | SRI | API |
| 5 | 6 | 6 | 6 | 7 | 5 | 6 | 5 | 1 | \$144 | \$168 |

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF |
| EBV | +4.0 | +3.6 | -4.0 | +1.6 | +41 | +76 | +100 | +87 | +17 | +3.1 | -4.0 | +59 | +6.3 | +1.3 | +1.6 | +0.1 | +1.6 |
| Acc | 45% | 37% | 84% | 74% | 70% | 70% | 73% | 66% | 55% | 72% | 37% | 60% | 60% | 63% | 60% | 55% | 59% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:41 TWIN OAKS N208

Society Ident: 20149017N208

DOB: 9/09/17

AMFU NHFU CAFU DDFU

KC HAAS GPS (IMP USA)

BOOROOMOOKA INSPIRED E124 (IMP AUS)

SIRE: KAKAHU KEYSTONE 14468

DAM: TWIN OAKS J059

LAWSONS ANGUS NZ 08345

TWIN OAKS CHRISTA G114



TOP 5% Scrotal, SRI and API
TOP 10% Days to Calving. TOP 15% Gest Length, Rump Fat
TOP 25% Calving Ease Daughters and Rib Fat



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$159 | \$182 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|---------|------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASE | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +1.4 | +1.9 | -6.4 | +4.5 | +48 | +86 | +109 | +109 | +11 | +3.7 | -7.4 | +61 | +6.0 | +0.8 | +1.3 | +0.5 | +1.9 |
| Acc | 46% | 38% | 73% | 74% | 70% | 70% | 73% | 66% | 56% | 72% | 39% | 61% | 60% | 63% | 61% | 57% | 59% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:42 TWIN OAKS N010

Society Ident: 20149017N010

DOB: 19/08/17

AMFU NHFU CAFU DDFU

CONNELLY EARNAN 076E

GOLDWYN H817

SIRE: MUSGRAVE BIG SKY (IMP USA)

DAM: TWIN OAKS COTTY K120

S A V PRIMROSE 7861

GOLDWYN G111



TOP 5% Calving Ease Daughters, SRI
TOP 10% Gest Length TOP 15% 200 days and EMA
TOP 20% Rump Fat and API



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 5 | 4 | 5 | 6 | 5 | 5 | 5 | 2.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$155 | \$158 |

A

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|---------|------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASE | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +0.7 | +4.0 | -7.6 | +5.1 | +52 | +87 | +103 | +80 | +9 | +0.4 | -4.3 | +58 | +7.6 | +0.7 | +0.9 | +0.3 | +1.0 |
| Acc | 60% | 48% | 84% | 75% | 71% | 71% | 74% | 69% | 62% | 73% | 37% | 63% | 62% | 64% | 62% | 58% | 61% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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:43 TWIN OAKS N092

Society Ident: 20149017N092

DOB: 28/08/2017

AMFU NHFU CAFU DDFU

CARABAR DOCKLANDS D62 (IMP AUS)

GOLDWYN 0671

SIRE: WATTLETOP KIWI K15 (AI) (IMP AUS)

DAM: GOLDWYN G147

WATTLETOP ANN H66(AI)

GOLDWYN B59



TOP 5% Calving Ease Direct and Daughters
TOP 10% BW. TOP 15% Gest Length, SRI and API
TOP 20% Milk, Scotal, Rump Fat



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 6 | 4 | 5 | 5 | 5 | 5 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$142 | \$165 |

A

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|---------|------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASE | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +4.8 | +3.6 | -6.4 | +2.2 | +40 | +80 | +106 | +88 | +19 | +2.5 | -4.2 | +58 | +3.5 | -0.3 | +0.9 | +0.3 | +0.6 |
| Acc | 46% | 39% | 64% | 73% | 63% | 63% | 61% | 59% | 53% | 59% | 35% | 54% | 54% | 57% | 55% | 52% | 53% |

Traits Observed: GL,BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF,Genomics

Lot:44 TWIN OAKS N078

Society Ident: 20149017N078

DOB: 27/08/17

AMFU NHFU CAF DDFU

KC HAAS GPS (IMP USA)

MATAURI KAROO 808

SIRE: KAKAHU KEYSTONE 14468

DAM: GOLDWYN G189

LAWSONS ANGUS NZ 08345

GOLDWYN E328



TOP 5% Calving Ease Direct and Daughters
TOP 10% Rib and Rump Fat, BW. TOP 15% IMF and API
TOP 20% SRI



| Structural Assessment | | | | | | | | |
|-----------------------|------------|------------|-----------|------------|-----------|----------|----------|----------|
| Sheath | Front View | Front Claw | Rear Claw | Front Feet | Rear Feet | Leg Side | Leg Hind | Docility |
| 5 | 7 | 6 | 6 | 6 | 5 | 6 | 5 | 1.5 |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$137 | \$164 |

A+

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|------|------|---------|------|------|------|------|------|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASE | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF |
| EBV | +4.5 | +3.6 | -5.2 | +2.1 | +35 | +69 | +85 | +77 | +11 | +1.3 | -5.5 | +48 | +5.3 | +1.7 | +1.9 | -1.4 | +2.9 |
| Acc | 45% | 37% | 84% | 75% | 70% | 70% | 73% | 67% | 57% | 72% | 37% | 60% | 60% | 63% | 61% | 56% | 59% |

Traits Observed: BWT,200WT,400WT,600WT,SS,FAT,EMA,IMF

| CALVING EASE | | GROWTH & MATERNAL | | | | FERTILITY | | CARCASE | | | | INDEXES | | | | | | | |
|--------------|--------|-------------------|------|-----|-----|-----------|-----|---------|------|------|-----|---------|-----|------|------|------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBV | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

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.

| | NAME/ID | CALVING EASE | | | | GROWTH & MATERNAL | | | | |
|----|------------------------|--------------|------|------|------|-------------------|------|------|------|------|
| | | DIR | DTRS | GL | BW | 200 | 400 | 600 | MCW | MILK |
| 1 | TWIN OAKS N106 | +0.6 | -1.0 | -1.6 | +2.0 | +44 | +85 | +107 | +68 | +21 |
| 2 | TWIN OAKS PATRIOT N008 | +4.5 | +4.1 | -9.8 | +4.7 | +60 | +106 | +146 | +139 | +16 |
| 3 | TWIN OAKS N104 | -0.3 | +1.0 | -0.6 | +5.1 | +54 | +102 | +133 | +113 | +17 |
| 4 | TWIN OAKS N017 | +4.5 | +4.4 | -7.6 | +2.7 | +47 | +88 | +112 | +93 | +15 |
| 5 | TWIN OAKS N030 | +4.9 | +4.4 | -7.2 | +3.5 | +48 | +84 | +101 | +88 | +14 |
| 6 | TWIN OAKS N141 | -1.1 | +2.4 | -2.1 | +4.5 | +54 | +103 | +131 | +97 | +18 |
| 7 | TWIN OAKS N016 | +4.7 | +4.8 | -6.5 | +3.1 | +46 | +85 | +104 | +86 | +16 |
| 8 | TWIN OAKS N091 | +3.3 | +3.2 | -4.4 | +3.1 | +44 | +77 | +96 | +82 | +15 |
| 9 | TWIN OAKS N103 | +2.9 | +1.1 | -5.2 | +2.9 | +44 | +79 | +94 | +78 | +14 |
| 10 | TWIN OAKS N014 | +1.6 | +3.1 | -7.6 | +3.9 | +55 | +97 | +127 | +107 | +10 |
| 11 | TWIN OAKS N218 | -1.2 | -0.5 | -1.5 | +7.1 | +49 | +88 | +113 | +109 | +9 |
| 12 | TWIN OAKS N293 | +0.1 | -2.5 | -4.4 | +6.2 | +48 | +86 | +118 | +109 | +9 |
| 13 | TWIN OAKS N150 | -0.5 | +0.4 | -0.9 | +4.1 | +48 | +91 | +119 | +104 | +18 |
| 14 | TWIN OAKS N249 | +0.7 | +1.6 | -6.2 | +4.1 | +44 | +82 | +104 | +91 | +15 |
| 15 | TWIN OAKS N020 | -1.4 | +3.4 | -4.3 | +4.6 | +47 | +77 | +102 | +82 | +6 |
| 16 | TWIN OAKS N277 | +0.0 | -0.6 | -3.2 | +4.8 | +48 | +93 | +122 | +112 | +13 |
| 17 | TWIN OAKS N115 | -0.2 | +0.4 | -1.2 | +3.0 | +41 | +79 | +93 | +77 | +19 |
| 18 | TWIN OAKS N114 | +2.0 | +1.7 | -3.3 | +6.0 | +52 | +95 | +115 | +110 | +10 |
| 19 | TWIN OAKS N070 | +0.3 | +0.2 | -4.3 | +5.4 | +51 | +91 | +115 | +104 | +16 |
| 20 | TWIN OAKS N187 | +3.7 | +3.3 | -7.0 | +3.2 | +44 | +77 | +97 | +91 | +15 |
| 21 | TWIN OAKS N162 | -1.3 | +2.2 | -5.2 | +5.7 | +51 | +99 | +126 | +102 | +14 |
| 22 | TWIN OAKS N060 | +0.5 | -0.4 | -3.3 | +5.6 | +47 | +97 | +114 | +121 | +14 |
| 23 | TWIN OAKS N043 | +0.4 | +0.1 | -4.7 | +4.1 | +45 | +84 | +96 | +81 | +15 |
| 24 | TWIN OAKS N120 | -2.4 | -2.7 | -2.9 | +5.8 | +56 | +100 | +131 | +123 | +3 |
| 25 | TWIN OAKS N062 | +1.0 | +2.9 | -8.0 | +4.1 | +44 | +82 | +101 | +82 | +7 |
| 26 | TWIN OAKS N243 | -5.0 | -7.0 | -6.3 | +4.8 | +44 | +78 | +110 | +115 | +12 |
| 27 | TWIN OAKS N084 | +0.2 | +3.3 | -1.9 | +3.5 | +51 | +95 | +119 | +88 | +14 |
| 28 | TWIN OAKS N116 | -2.5 | +2.4 | -3.5 | +3.8 | +46 | +82 | +101 | +84 | +9 |
| 29 | TWIN OAKS N085 | -2.9 | +2.5 | -1.5 | +6.4 | +59 | +103 | +140 | +124 | +9 |
| 30 | TWIN OAKS N088 | +4.2 | +3.6 | -7.3 | +1.1 | +39 | +73 | +94 | +80 | +14 |
| 31 | TWIN OAKS N176 | +0.4 | +1.5 | -5.3 | +6.2 | +46 | +84 | +118 | +130 | +14 |
| 32 | TWIN OAKS N034 | -0.2 | +3.2 | -5.5 | +5.5 | +55 | +102 | +129 | +110 | +11 |
| 33 | TWIN OAKS N011 | +0.8 | +4.0 | -8.0 | +4.0 | +39 | +72 | +86 | +60 | +6 |
| 34 | TWIN OAKS N271 | -1.1 | -2.8 | -3.6 | +4.9 | +40 | +77 | +109 | +103 | +15 |
| 35 | TWIN OAKS N300 | +0.0 | -1.3 | -2.5 | +5.5 | +41 | +72 | +99 | +82 | +11 |
| 36 | TWIN OAKS N207 | -2.4 | +1.1 | -3.1 | +6.2 | +51 | +87 | +112 | +102 | +11 |
| 37 | TWIN OAKS N165 | -0.1 | +0.0 | -6.5 | +6.9 | +46 | +78 | +112 | +103 | +11 |
| 38 | TWIN OAKS N044 | +1.2 | +0.7 | -3.7 | +2.3 | +43 | +83 | +102 | +76 | +18 |
| 39 | TWIN OAKS N181 | -2.3 | +2.8 | -5.4 | +5.4 | +48 | +89 | +115 | +100 | +11 |
| 40 | TWIN OAKS N083 | +4.0 | +3.6 | -4.0 | +1.6 | +41 | +76 | +100 | +87 | +17 |
| 41 | TWIN OAKS N208 | +1.4 | +1.9 | -6.4 | +4.5 | +48 | +86 | +109 | +109 | +11 |
| 42 | TWIN OAKS N010 | +0.7 | +4.0 | -7.6 | +5.1 | +52 | +87 | +103 | +80 | +9 |
| 43 | TWIN OAKS N092 | +4.8 | +3.6 | -6.4 | +2.2 | +40 | +80 | +106 | +88 | +19 |
| 44 | TWIN OAKS N078 | +4.5 | +3.6 | -5.2 | +2.1 | +35 | +69 | +85 | +77 | +11 |

| | FERTILITY | | CWT | CARCASE | | | | | SRI | API | |
|--|-----------|------|-----|---------|------|------|------|------|-------|-------|----|
| | SS | DC | | EMA | RIB | RUMP | RBY | IMF | | | |
| | +2.2 | -3.8 | +68 | +1.3 | +0.1 | +0.3 | -0.8 | +2.5 | \$134 | \$157 | A+ |
| | +4.1 | -6.3 | +78 | +5.8 | +0.6 | +0.7 | -0.3 | +3.4 | \$190 | \$245 | A+ |
| | +2.8 | -4.9 | +74 | +4.4 | -0.7 | +0.3 | +0.4 | +1.5 | \$160 | \$189 | A |
| | +3.4 | -7.0 | +68 | +7.9 | +3.4 | +3.4 | -0.9 | +2.2 | \$175 | \$200 | A+ |
| | +3.7 | -6.7 | +61 | +9.5 | +2.3 | +2.8 | -0.6 | +2.8 | \$175 | \$194 | A+ |
| | +3.4 | -7.7 | +69 | +2.9 | +0.2 | +0.1 | +0.2 | +1.7 | \$171 | \$195 | A+ |
| | +3.3 | -6.9 | +61 | +5.5 | +0.7 | +1.8 | +0.0 | +2.2 | \$172 | \$192 | A+ |
| | +2.7 | -6.6 | +58 | +4.5 | +0.7 | +1.4 | -0.1 | +2.3 | \$151 | \$171 | A+ |
| | +2.3 | -7.3 | +57 | +7.5 | +2.1 | +2.7 | -1.0 | +3.4 | \$159 | \$179 | A+ |
| | +2.5 | -5.8 | +72 | +6.4 | -0.4 | -0.1 | +0.7 | +0.8 | \$168 | \$191 | A |
| | +3.2 | -6.4 | +61 | +3.8 | -1.0 | +0.4 | +0.8 | +0.8 | \$139 | \$158 | A |
| | +0.5 | -1.4 | +69 | +4.7 | -0.3 | -0.8 | -0.7 | +2.6 | \$118 | \$162 | A+ |
| | +2.2 | -3.5 | +66 | +0.8 | +0.7 | +1.0 | -1.3 | +1.6 | \$126 | \$151 | A |
| | +1.7 | -4.3 | +54 | +4.1 | -0.5 | +0.7 | +0.5 | +1.1 | \$136 | \$154 | A |
| | +1.1 | -4.6 | +52 | +6.8 | -0.1 | -0.3 | +0.2 | +1.2 | \$129 | \$150 | A |
| | +2.2 | -5.4 | +68 | +3.9 | +0.0 | +0.0 | +0.4 | +1.7 | \$147 | \$180 | A |
| | +2.1 | -1.5 | +57 | +10.2 | +0.3 | -0.4 | +0.4 | +3.1 | \$133 | \$154 | A+ |
| | +4.3 | -5.3 | +63 | +5.4 | +0.2 | +1.5 | +0.0 | +1.8 | \$162 | \$180 | A+ |
| | +1.3 | -0.9 | +66 | +10.7 | -0.2 | -1.2 | +1.5 | +1.7 | \$145 | \$169 | A+ |
| | +2.6 | -6.8 | +51 | +4.5 | +1.4 | +3.5 | -0.7 | +2.8 | \$156 | \$179 | A+ |
| | +2.4 | -3.7 | +63 | +9.0 | +0.8 | +1.5 | +0.8 | +1.7 | \$166 | \$193 | A+ |
| | +2.0 | -2.1 | +66 | +6.6 | -0.7 | -0.7 | +0.5 | +2.6 | \$147 | \$174 | A+ |
| | +1.6 | -5.4 | +66 | +2.6 | -0.5 | +1.1 | +0.5 | +1.5 | \$144 | \$148 | A |
| | +2.1 | -2.7 | +70 | +7.1 | -1.3 | -1.8 | +1.3 | +0.9 | \$150 | \$178 | A |
| | +0.5 | -1.5 | +59 | +9.0 | -0.4 | -1.3 | +1.2 | +1.1 | \$140 | \$158 | A |
| | +0.0 | -1.8 | +68 | +2.5 | +0.6 | +1.1 | -0.8 | +1.6 | \$84 | \$116 | |
| | +1.3 | -4.4 | +59 | +8.6 | +0.2 | +0.9 | +0.6 | +0.4 | \$163 | \$173 | A |
| | +1.1 | -6.4 | +54 | +1.1 | -0.1 | +1.8 | -1.5 | +2.3 | \$130 | \$147 | A |
| | +2.6 | -0.8 | +75 | +7.5 | -0.4 | +0.4 | +0.2 | +1.4 | \$146 | \$181 | A |
| | +2.9 | -5.1 | +49 | +3.3 | +1.2 | +1.2 | -0.7 | +3.2 | \$144 | \$177 | A+ |
| | +1.0 | -4.2 | +62 | +1.5 | -1.1 | +0.2 | +0.0 | +0.5 | \$117 | \$149 | A |
| | +1.2 | -4.8 | +66 | +5.8 | -0.6 | -0.7 | +0.9 | +0.7 | \$164 | \$184 | A |
| | +0.8 | -4.4 | +46 | +6.2 | +0.1 | -0.1 | +0.4 | +1.4 | \$135 | \$148 | A |
| | +2.0 | -1.0 | +57 | +2.2 | +0.2 | +0.8 | -0.3 | +1.2 | \$97 | \$131 | |
| | -0.2 | +0.6 | +48 | +6.4 | -1.2 | -1.5 | +0.7 | +2.0 | \$105 | \$140 | A |
| | +2.9 | -4.2 | +65 | +6.4 | -0.1 | -1.0 | +1.4 | +0.9 | \$135 | \$152 | A |
| | +1.8 | -2.7 | +53 | +6.2 | -1.3 | +0.0 | +1.6 | +0.4 | \$123 | \$153 | A |
| | +1.3 | -5.6 | +60 | +4.0 | -0.6 | -0.3 | +0.0 | +2.3 | \$145 | \$166 | A+ |
| | +1.8 | -5.5 | +52 | +3.2 | +0.7 | +2.0 | -0.6 | +0.6 | \$134 | \$151 | A |
| | +3.1 | -4.0 | +59 | +6.3 | +1.3 | +1.6 | +0.1 | +1.6 | \$144 | \$168 | A |
| | +3.7 | -7.4 | +61 | +6.0 | +0.8 | +1.3 | +0.5 | +1.9 | \$159 | \$182 | A+ |
| | +0.4 | -4.3 | +58 | +7.6 | +0.7 | +0.9 | +0.3 | +1.0 | \$155 | \$158 | A |
| | +2.5 | -4.2 | +58 | +3.5 | -0.3 | +0.9 | +0.3 | +0.6 | \$142 | \$165 | A |
| | +1.3 | -5.5 | +48 | +5.3 | +1.7 | +1.9 | -1.4 | +2.9 | \$137 | \$164 | 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.



2019 REFERENCE SIRES



MUSGRAVE BIG SKY

Reference Sire **MUSGRAVE BIG SKY (IMP USA)** Society Ident: US17614813

DOB: 16/01/13 AMF NHF CAF DDF

CONNEALY CONSENSUS

S A F 598 BANDO 5175

SIRE: CONNEALY EARNAN 076E

DAM: S A V PRIMROSE 7861

BRAZILA OF CONANGA 3991 839A

S A V PRIMROSE 8244

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|---------|------|------|------|------|------|-----|--|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASS | | | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | |
| EBV | -1.0 | +4.5 | -5.1 | +3.8 | +54 | +96 | +121 | +96 | +7 | +1.5 | -5.3 | +63 | +5.7 | -0.7 | +0.1 | +0.1 | +1.2 | +1 | |
| Acc | 90% | 81% | 99% | 99% | 98% | 98% | 98% | 95% | 93% | 98% | 53% | 89% | 89% | 89% | 85% | 82% | 87% | 93% | |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$161 | \$179 |

A

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | CARCASS | | | | | | | | INDEXES | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|---------|------|-----|------|------|------|-----|-------|---------|--|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API | |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 | |



Reference Sire **WATTLETOP KIWI K15 (AI) (IMP AUS)** Society Ident: AUNWPK15

DOB: 25/06/14 AMF NHF CAF DDF

KAROO W109 DIRECTION Z181 (IMP AUS)

TC FRANKLIN 619

SIRE: CARABAR DOCKLANDS D62 (IMP AUS)

DAM: WATTLETOP ANN H66(AI)

CARABAR BLACKCAP MARY B12

WATTLETOP ANN E172

| NZ ANGUS Breed Breeder | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | | |
|------------------------------|--------------------------|--------|------|------|--------|-----|------|------|-----------|------|------|---------|------|------|------|------|------|-----|--|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | CARCASS | | | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | |
| EBV | +3.2 | +3.0 | -8.1 | +5.6 | +51 | +94 | +138 | +131 | +17 | +3.3 | -4.5 | +72 | +2.7 | -1.9 | +0.0 | +1.1 | +0.4 | | |
| Acc | 76% | 66% | 95% | 96% | 91% | 92% | 88% | 81% | 71% | 91% | 54% | 78% | 80% | 81% | 79% | 75% | 78% | | |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$151 | \$195 |

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.

Reference Sire KAKAHU KEYSTONE 14468 Society Ident: 13300014468

DOB: 2/09/14 AMFU NHFU CAFU DDFU

GARDENS PRIME STAR MYTTY IN FOCUS (IMP USA)
 SIRE: KC HAAS GPS (IMP USA) DAM: LAWSONS ANGUS NZ 08345
 KCH ELINE 549 LAWSONS FSB NEW DESIGN 1407 Y1925 (IMP AUS)

| 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | |
|--------------------------|--------|------|------|--------|-----|-----|------|-----------|-----|------|------|---------|------|------|------|------|------|
| CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC |
| EBV | +6.3 | +5.4 | -6.9 | +2.8 | +51 | +92 | +119 | +118 | +12 | +4.4 | -7.6 | +68 | +6.3 | +1.6 | +1.8 | -0.6 | +3.4 |
| Acc | 74% | 58% | 96% | 96% | 94% | 94% | 94% | 83% | 71% | 92% | 52% | 78% | 81% | 82% | 80% | 76% | 80% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$186 | \$225 |

A+

Reference Sire TWIN OAKS L21 Society Ident: 20149015L021

DOB: 26/08/15 AMF NHF CAF DDF

KAROO W109 DIRECTION Z181 (IMP AUS) BOOROOMOOKA INSPIRED E124 (IMP AUS)
 SIRE: IRELANDS GAPSTED G25 (IMP AUS) DAM: TWIN OAKS J003 (ET)
 IRELANDS WARGOONA C52 OAKVIEW ALICE 222

| 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | |
|--------------------------|--------|------|------|--------|-----|-----|------|-----------|-----|------|------|---------|------|------|------|------|------|
| CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC |
| EBV | -2.3 | +0.8 | -4.5 | +6.5 | +51 | +92 | +123 | +115 | +14 | +3.6 | -5.5 | +63 | +8.4 | +0.3 | +1.3 | +1.3 | +0.6 |
| Acc | 58% | 44% | 72% | 84% | 80% | 81% | 80% | 75% | 66% | 78% | 48% | 72% | 70% | 74% | 72% | 68% | 70% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$149 | \$172 |

Reference Sire TWIN OAKS L82 Society Ident: 20149015L082

DOB: 4/09/15 AMFU NHFU CAFU DDFU

BOOROOMOOKA UNDERTAKEN Y145 (IMP AUS) STEVENSON CATTLEMAN R142 (IMP USA)
 SIRE: RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET) DAM: GOLDWYN D252
 LAWSONS HENRY VIII Y5(AI) GOLDWYN 05-551

| 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | |
|--------------------------|--------|------|------|--------|-----|-----|------|-----------|-----|------|------|---------|------|------|------|------|------|
| CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC |
| EBV | -0.4 | -0.6 | -2.8 | +3.8 | +46 | +90 | +113 | +100 | +14 | +1.6 | -9.0 | +67 | +3.0 | +1.0 | -0.2 | +0.0 | +2.5 |
| Acc | 64% | 55% | 74% | 86% | 82% | 82% | 81% | 76% | 69% | 82% | 55% | 73% | 72% | 75% | 73% | 70% | 71% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$154 | \$183 |

A+

| INDEXES | | | | | | | | | | | | | | | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-------|
| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASE | | | | INDEXES | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 |
| | | | | | | | | | | | | | | | | \$113 | \$131 |

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.



Reference Sire G A R MOMENTUM (IMP USA) Society Ident: US17354145

DOB: 31/08/2012 AMF NHF CAF DDF

G A R PREDESTINED (IMP USA) ALC BIG EYE D09N (IMP)
 SIRE: G A R PROGRESS (IMP USA) DAM: G A R BIG EYE 1770
 G A R OBJECTIVE 2345 G A R OBJECTIVE 3387

| 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | | |
|--------------------------|--------|------|------|--------|-----|-----|-----|-----------|-----|------|------|---------|-------|------|------|------|------|-----|
| CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | | | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | |
| EBV | +2.5 | -0.4 | -2.6 | +2.7 | +48 | +88 | +98 | +67 | +24 | +0.1 | -0.6 | +69 | +13.2 | -0.7 | -2.2 | +0.7 | +4.7 | +19 |
| Acc | 87% | 76% | 98% | 98% | 97% | 97% | 97% | 93% | 90% | 96% | 56% | 88% | 89% | 89% | 86% | 84% | 87% | 89% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$159 | \$184 |

A+

Reference Sire TE MANIA 11 465 Society Ident: 16932011465

DOB: 27/08/2012

TE MANIA AMBASSADOR A134 (AI) (IMP AUS) TE MANIA UNLIMITED U3271 (IMP AUS)
 SIRE: TUWHARETOA REGENT D145(AI)(ET) (IMP AUS) DAM: TE MANIA 05 019
 LAWSONS HENRY VIII Y5(AI) TE MANIA 03 116

| 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | | |
|--------------------------|--------|-------|------|--------|-----|-----|------|-----------|-----|------|------|---------|------|------|------|------|------|-----|
| CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | | | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | |
| EBV | -1.8 | -10.7 | -4.7 | +4.6 | +46 | +82 | +110 | +96 | +17 | +1.3 | -6.2 | +72 | +6.5 | +2.4 | +1.5 | -1.7 | +4.3 | +8 |
| Acc | 87% | 78% | 98% | 98% | 96% | 97% | 96% | 93% | 89% | 96% | 63% | 85% | 87% | 87% | 86% | 82% | 85% | 83% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$120 | \$162 |

A+

Reference Sire MUSGRAVE MEDIATOR (IMP USA) Society Ident: US18129638

DOB: 22/01/15 AMF NHF CAF DDF

KOUPALS B&B IDENTITY (IMP USA) MUSGRAVE BOULDER
 SIRE: MUSGRAVE AVIATOR DAM: MUSGRAVE BARBARA LASS 273
 MCATL FOREVER LADY 1429-138 MCATL BARBARA LASS 931-719

| 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | | |
|--------------------------|--------|------|------|--------|-----|-----|------|-----------|-----|------|------|---------|------|------|------|------|------|-----|
| CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASE | | | | | | |
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | |
| EBV | +3.2 | +2.3 | -0.6 | +0.4 | +44 | +85 | +100 | +63 | +23 | +2.1 | -3.2 | +64 | +4.0 | -1.1 | -0.8 | +0.6 | +2.2 | -5 |
| Acc | 66% | 36% | 97% | 97% | 93% | 93% | 87% | 79% | 73% | 91% | 39% | 80% | 80% | 82% | 77% | 74% | 79% | 82% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$154 | \$167 |

A+

Reference Sire TWIN OAKS L132

Society Ident: 20149015L132

DOB: 11/09/15

AMFU NHFU CAFU DDFU

TUWHARETOA REGENT D145(AI)(ET) (IMP AUS)

MT MABLE 274

SIRE: TE MANIA 11 465

DAM: TWIN OAKS BETTY 62

TE MANIA 05 019

TWIN OAKS BETTY 871

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|-----|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC |
| EBV | -0.5 | -4.8 | -4.8 | +5.4 | +40 | +74 | +106 | +97 | +13 | +1.7 | -3.2 | +53 | +3.0 | +1.9 | +1.7 | -1.0 | +1.7 | |
| Acc | 55% | 44% | 69% | 81% | 76% | 77% | 78% | 73% | 63% | 77% | 43% | 67% | 65% | 68% | 66% | 62% | 64% | |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$100 | \$136 |

A

| CALVING EASE | | | | GROWTH & MATERNAL | | | | FERTILITY | | | | CARCASS | | | | INDEXES | | | |
|--------------|--------|------|------|-------------------|-----|------|-----|-----------|------|------|-----|---------|-----|------|------|---------|-----|-------|-------|
| CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC | SRI | API |
| +0.2 | +0.5 | -4.0 | +4.3 | +45 | +81 | +106 | +91 | +15 | +1.8 | -4.2 | +59 | +5.1 | 0.0 | -0.2 | +0.5 | +1.7 | 4 | \$113 | \$131 |

Reference Sire S A V ANGUS VALLEY 1867 (IMP USA)

Society Ident: US17016630

DOB: 5/01/11

AMF NHF CAF DDF

TC GRIDIRON 258

S A F 598 BANDO 5175

SIRE: S A V IRON MOUNTAIN 8066 (IMP USA)

DAM: S A V MAY 2397

S A V MADAME PRIDE 3249

S A V MAY 7238

| NZ ANGUS GROUP BREEDPLAN | 2019 May Angus BREEDPLAN | | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------|--------|------|------|--------|-----|------|-----|-----------|------|------|-----|---------|------|------|------|------|-----|
| | CALVING EASE | | | | GROWTH | | | | FERTILITY | | | | CARCASS | | | | | |
| | CE Dir | CE DTR | GL | BW | 200 | 400 | 600 | MCW | MILK | SS | DTC | CW | EMA | RIB | RUMP | RBY | IMF | DOC |
| EBV | +4.6 | +3.5 | -8.1 | +2.7 | +47 | +87 | +115 | +83 | +14 | +1.6 | -6.8 | +64 | +4.3 | +1.7 | +2.3 | -0.3 | +1.1 | -13 |
| Acc | 82% | 65% | 98% | 97% | 95% | 95% | 95% | 92% | 88% | 94% | 52% | 86% | 86% | 86% | 83% | 81% | 84% | 66% |

| \$ INDEX VALUES | |
|-----------------|-------|
| SRI | API |
| \$168 | \$190 |

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.



BUYERS INSTRUCTION SLIP

To be completed and handed to Agents before leaving the Sale

No verbal instructions can be accepted

Name

Address

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).....

Insurance Company: FMG Aon

Transport is paid by Twin Oaks Angus –
please leave details of any special instructions.

Signed:..... Date:.....



AonAgri brokers have worked with farmers, buyers and industry members at bull sales across New Zealand, for a number of years. Our dedicated local teams understand the value and importance of making sure your bull is properly covered - right from the sale.

Aon offers our clients full insurance packages, based on an agreed value, up front. Having negotiated the best policies and terms, our easy claims process and local service also give bull farmers security, protection and peace of mind when it comes to insuring one of their biggest assets.

For more information on AonAgri's Bull Insurance, please speak to Tanya Pretorius at the booking table. A special 6% rate is available exclusively for the Twin Oaks bull sale on June 7th 2019. See you there!

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Twin Oaks
ANGUS STUD - TE AKAU NZ

Waipapa Station
163 Clemett Road
Te Akau

