

PRIVATE TREATY SALE

SALE BULLS BY:

OREGON PERMIT 1437

WOODBANK 2314

PUKE-NUI 12/389

TURIROA 009575

110 YEARS of ANGUS BREEDING

1908 - 2018



MOANAROA ANGUS

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www.moanaroaangus.co.nz



MOANAROA BULL SALE

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STUD PRINCIPAL: DAN RAMSDEN

STUD MASTER: HUGH RAMSDEN

Stud Information: Moanaroa Angus was established in 1908, by the Smith and Humphries families. The bloodlines derived from the original Marainanga Angus Stud, which has the first recorded landings of Angus cattle in the North Island. Dropped off a boat in 1886 to swim through the surf on to Akitio Beach.

The Moanaroa Stud today consists of 100 registered females run on typical Wairarapa coastal hill country. Droughts in the summer with heavy wet winters. In today's environment a lot of emphasis is being put on the quality of the product.

We hope we can provide our clients with a flow on affect, through using AI sires that have performed well in Angus carcass programmes. We look for good structurally sound bulls that stand well on their feet and are going to provide us with an economic productive unit. We hope you are looking for these same points.

Our door is always open for you to give us a call to inspect our cattle or for me to come and see you.

OSH

Under the Occupational Health and Safety Act 1992, we are required to inform people of any potential hazards:

Cattle can occasionally be unpredictable, particularly if stressed, mobbed up or in a new environment.

Please exercise all reasonable care and attention, when viewing bulls.

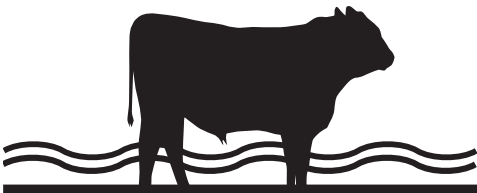
NOTES

Looking after your new 2 year bull

1. Run with one or two in calf cows or heifers
2. Preferably in an easy paddock with no tin, wire or rubbish.
3. Plenty of fresh feed and a little hay will help to settle him in.
4. Never put him in with mixed age bulls. The result can be disastrous and your insurance company may not pay out.

**Remember he is your investment
in your future prosperity.**

WE HOPE YOU WILL PURCHASE AGAIN.



MOANAROA

ANGUS EST. 1908 ▲ ▲ ▲

EBVS EXPLAINED

Understanding the EBVs, Selection Indexes 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 purebred females calving at two years of age.

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

Gestation Length EBV (days) is an estimate of the time from conception to the birth of the calf and is based on 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.

Carcase 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 carcasse. 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 carcasse. 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”).

SELECTION INDEXES

There are currently two different selection indexes calculated for New Zealand Angus animals. These are Self-Replacing and AngusPure. 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.

Index values are reported as EBVs, in units of relative earning capacity (\$'s) for a given market. 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. More information is available on selecting animals using a selection index.

The Index values are derived using BreedObject technology. More information is available from the BreedObject web site.

Self-Replacing Index (\$) - Estimates 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 carcasse weight and 10 mm fat depth) at 16 months of age.

AngusPure Index (\$) – Estimates 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 carcasse weight and 10 mm fat depth) at 18 months of age with a significant premium paid for marbling.

Note that \$Index values for individual animals are sensitive to the assumptions used in the BreedObject analysis to calculate the selection index. More information is available on the weightings used in the New Zealand Angus Selection Indexes.

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%.

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

For further information please contact NZ Angus or BREEDPLAN.

PERCENTILE BANDS FOR ALL 2016 BORN ANIMALS

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

	Calv-Ease				Birth				Growth				Fert				Carcase				Index	
	Dir	Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBV	IMF	SRI	API			
	%	%	days	days	kg	kg	kg	kg	cm	cm	days	kg	sq.cm	mm	mm	%	%	\$	\$			
Top 1%	+5.1	+4.6	-9.5	+0.7	+59	+105	+141	+135	+25	+3.7	-8.6	+82	+10.4	+3.0	+3.1	+2.4	+3.9	+165	+193			
Top 5%	+4.0	+3.5	-7.5	+1.8	+54	+97	+129	+120	+22	+3.0	-7.3	+75	+8.3	+2.0	+2.1	+1.7	+3.3	+151	+173			
Top 10%	+3.3	+2.9	-6.6	+2.4	+52	+93	+124	+113	+20	+2.7	-6.6	+72	+7.4	+1.5	+1.5	+1.4	+2.9	+142	+164			
Top 20%	+2.4	+2.1	-5.6	+3.1	+49	+89	+117	+104	+18	+2.4	-5.8	+67	+6.5	+0.9	+1.0	+1.0	+2.5	+131	+151			
Top 30%	+1.7	+1.5	-4.9	+3.6	+47	+85	+112	+99	+17	+2.1	-5.1	+64	+5.8	+0.5	+0.5	+0.8	+2.1	+122	+141			
Top 40%	+1.0	+1.0	-4.3	+4.0	+46	+83	+108	+94	+16	+1.9	-4.6	+62	+5.3	+0.2	+0.2	+0.5	+1.9	+115	+133			
Top 50%	+0.3	+0.4	-3.8	+4.3	+44	+80	+104	+89	+15	+1.7	-4.1	+59	+4.8	-0.1	-0.1	+0.3	+1.6	+107	+125			
Top 60%	-0.3	-0.1	-3.4	+4.7	+42	+77	+100	+85	+14	+1.6	-3.6	+56	+4.3	-0.3	-0.5	+0.1	+1.3	+100	+118			
Top 70%	-1.1	-0.7	-2.9	+5.1	+40	+74	+96	+80	+13	+1.4	-3.1	+53	+3.7	-0.6	-0.8	-0.1	+1.1	+93	+110			
Top 80%	-2.0	-1.4	-2.3	+5.6	+38	+70	+91	+75	+12	+1.1	-2.5	+48	+3.0	-1.0	-1.2	-0.4	+0.8	+86	+102			
Top 90%	-3.4	-2.5	-1.4	+6.2	+34	+65	+83	+67	+10	+0.8	-1.6	+41	+2.1	-1.5	-1.8	-0.8	+0.4	+76	+91			
Top 95%	-4.7	-3.4	-0.6	+6.8	+31	+60	+76	+59	+8	+0.5	-0.7	+34	+1.2	-1.9	-2.3	-1.1	+0.1	+68	+82			
Top 99%	-7.5	-5.4	+1.3	+7.9	+23	+49	+59	+49	+6	-0.2	+1.6	+24	-0.2	-2.7	-3.3	-1.8	-0.3	+56	+67			

Based on the results of the May 2018 Angus Group BREEDPLAN analysis

LOT 1**MOANAROA 602**

HB no.# 16586016602

TATTOO: 602

BORN: 14/08/16

OREGON FINTEL

OREGON JUNIOR

OREGON ELLE

SIRE: OREGON PERMIT

WAIWERA N042

OREGON MOLLY

OREGON ELLA

MERCHISTON PEDRO 254

MERCHISTON PARTON 452

MERCHISTON TIME 6099

DAM: MOANAROA 054

TE MANIA 380

MOANAROA 413

MOANAROA 98817

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.0	--	-2.1	+5.6	+34	+66	+91
29%		34%	52%	59%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+99	+10	+1.0	-0.4	+40	+0.3	-0.2
53%	43%	42%	32%	53%	54%	54%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
-0.2	+0.3	-0.1	SRI	+\$77	API	+\$99
56%	50%	47%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	92	2	417 kgs	638 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 2**MOANAROA 603**

HB no.# 16586016603

TATTOO: 603

BORN: 10/08/16

OREGON FINTEL

OREGON JUNIOR

OREGON ELLE

SIRE: OREGON PERMIT

WAIWERA N042

OREGON MOLLY

OREGON ELLA

MERCHISTON PEDRO 254

MERCHISTON PARTON 452

MERCHISTON TIME 6099

DAM: MOANAROA 859

TE MANIA 369

MOANAROA 228

MOANAROA 98815

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-0.4	--	-1.9	+5.4	+33	+62	+84
29%		34%	53%	60%	66%	62%
MWT	MILK	SS	DC	CWT	EMA	RIB
+95	+9	+1.1	+0.3	+35	-0.8	+0.0
54%	44%	42%	34%	53%	55%	54%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.2	-0.4	+0.5	SRI	+\$68	API	+\$88
56%	50%	47%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
2	2	94	1.9	407 kgs	606 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 3

MOANAROA 604

HB no.# 16586016604

TATTOO: 604

BORN: 10/08/16

SIRE: OREGON PERMIT
 OREGON JUNIOR
 OREGON FINTEL
 OREGON ELLE
 WAIWERA N042
 OREGON MOLLY
 OREGON ELLA
 MERCHISTON PEDRO 254
 MERCHISTON PARTON 452
 MERCHISTON TIME 6099

DAM: MOANAROA 725
 TE MANIA 305
 MOANAROA 318
 MOANAROA 3

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
-0.4	--	-2.4	+5.9	+37	+69	+93
29%		34%	53%	60%	66%	62%
MWT	MILK	SS	DC	CWT	EMA	RIB
+101	+8	+1.4	-1.4	+43	+0.8	+0.2
54%	45%	43%	34%	54%	55%	54%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.3	+0.1	+0.1	SRI	+\$86	API	+\$105
56%	50%	47%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
5	3	97	5	441 kgs	724 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 4

MOANAROA 605

HB no.# 16586016605

TATTOO: 605

BORN: 10/08/16

SIRE: OREGON PERMIT
 OREGON JUNIOR
 OREGON ELLE
 WAIWERA N042
 OREGON MOLLY
 OREGON ELLA
 MERCHISTON VISION 346
 MERCHISTON VISION 564
 893 OF SHIAN

DAM: MERCHISTON PRIDE 795
 ATAHUA TITIAN 715-01
 MERCHISTON PRIDE 275
 MERCHISTON PRIDE 1004

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
-1.9	-2.2	-1.8	+7.0	+44	+85	+116
36%	28%	39%	58%	62%	68%	65%
MWT	MILK	SS	DC	CWT	EMA	RIB
+119	+13	+1.8	+0.8	+53	+2.4	-0.8
58%	47%	48%	32%	56%	57%	58%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
-0.5	+1.0	+0.0	SRI	+\$98	API	+\$125
59%	53%	51%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
4	3	91	3.5	469 kgs	680 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 5**MOANAROA 607**

HB no.# 16586016607

TATTOO: 607

BORN: 13/08/16

OREGON FINTEL

OREGON JUNIOR

OREGON ELLE

SIRE: OREGON PERMIT

WAIWERA N042

OREGON MOLLY

OREGON ELLA

TURIHAUA TROJAN A146

TURIROA 07417

TURIROA 04322

DAM: MOANAROA 046

STERN 965

MOANAROA 504

MOANAROA 98818

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-0.3	--	-2.9	+5.6	+35	+67	+94
28%		31%	52%	59%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+97	+7	+1.4	-0.4	+40	+4.3	+1.0
53%	40%	42%	30%	53%	54%	53%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.9	+0.2	+0.0	SRI	+\$88	API	+\$112
55%	49%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
2	2	91	1.3	422 kgs	616 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 6**MOANAROA 609**

HB no.# 16586016609

TATTOO: 609

BORN: 14/08/16

OREGON FINTEL

OREGON JUNIOR

OREGON ELLE

SIRE: OREGON PERMIT

WAIWERA N042

OREGON MOLLY

OREGON ELLA

TURIHAUA TROJAN A146

TURIROA 07417

TURIROA 04322

DAM: MOANAROA 43

TE MANIA 380

MOANAROA 535

MOANAROA 98801

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.2	--	-3.4	+5.3	+32	+62	+84
28%		32%	52%	60%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+94	+7	+1.0	-1.4	+37	+0.7	+0.1
53%	38%	41%	30%	53%	54%	54%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.0	+0.1	+0.3	SRI	+\$79	API	+\$100
55%	49%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	3	96	2.6	380 kgs	600 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 7

MOANAROA 611

HB no.# 16586016611

TATTOO: 611

BORN: 15/08/16

BRAVEHEART OF STERN
 WOODBANK 0110
 WOODBANK 6001

SIRE: WOODBANK 2314

G A R PREDESTINED (IMP USA)
 WOODBANK 6063
 WOODBANK 353
 YTHANBRAE HENRY VIII U8 (IMP USA)
 17 OF KAWATIRI
 133 OF KAWATIRI

DAM: MOANAROA 849

STERN RAMBO 699
 MOANAROA 206
 63 OF WARE WARE

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-1.5	-0.6	-2.6	+5.1	+37	+63	+89
34%	28%	44%	55%	60%	65%	62%
MWT	MILK	SS	DC	CWT	EMA	RIB
+80	+13	+1.5	-2.7	+43	+4.4	-0.1
54%	45%	48%	34%	53%	54%	54%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
-0.6	+0.9	+1.0	SRI	+\$94	API	+\$119
55%	49%	47%	Breed Avg	+\$108	Breed Avg	+\$126

ACTUAL MEASUREMENTS

ACTUAL WEIGHT

RUMP	RIB	EMA	IMF	10/09/17	09/04/18
4	3	101	4.4	443 kgs	686 kgs

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 8

MOANAROA 614

HB no.# 16586016614

TATTOO: 614

BORN: 22/08/16

SIRE: OREGON PERMIT
 OREGON JUNIOR
 OREGON ELLE
 WAIWERA N042
 OREGON MOLLY
 OREGON ELLA
 TE MANIA 372
 STERN 965
 STERN 6220
DAM: MOANAROA 555
 TE MANIA 369
 MOANAROA 211
 MOANAROA QUEST 754

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.2	--	-3.3	+5.6	+37	+70	+93
28%		33%	53%	60%	66%	63%
MWT	MILK	SS	DC	CWT	EMA	RIB
+98	+7	+1.3	-1.1	+45	+4.2	+0.2
54%	44%	43%	35%	54%	55%	55%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
+0.2	+0.5	+0.1	SRI	+\$97	API	+\$117
56%	50%	47%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
6	3	103	4.2	417 kgs	656 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 9**MOANAROA 618**

HB no.# 16586016618

TATTOO: 618

BORN: 22/08/16

TURIHAUA DREDGE V126

TURIHAUA DIGGER C49

TURIHAUA Y30

SIRE: TURIROA 009575

WAIMATA J791

TURIROA FAITH 471

103242 OF TURIROA

17 OF KAWATIRI

MOANAROA HAMISH 900

TURIHAUA Z237

DAM: MOANAROA 231

TE MANIA 380

MOANAROA 413

MOANAROA 98817

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-1.8	--	-2.6	+5.7	+35	+69	+91
25%		32%	51%	60%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+10	+1.1	-3.3	+40	+1.9	+0.1
53%	37%	45%	29%	53%	54%	52%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.7	+0.2	+0.0	SRI	+\$93	API	+\$109
55%	48%	44%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
5	4	104	3.4	400 kgs	658 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 10**MOANAROA 625**

HB no.# 16586016625

TATTOO: 625

BORN: 24/08/16

OREGON FINTEL

OREGON JUNIOR

OREGON ELLE

SIRE: OREGON PERMIT

WAIWERA N042

OREGON MOLLY

OREGON ELLA

YTHANBRAE HENRY VIII U8 (IMP USA)

17 OF KAWATIRI

133 OF KAWATIRI

DAM: MOANAROA 951

TE MANIA 380

MOANAROA 549

MOANAROA PIX

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	--	-3.4	+5.6	+42	+79	+106
31%		38%	53%	60%	66%	62%
MWT	MILK	SS	DC	CWT	EMA	RIB
+105	+13	+1.6	-1.0	+55	+2.6	+0.1
54%	43%	44%	33%	54%	55%	55%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
-0.3	+0.3	+0.7	SRI	+\$104	API	+\$130
57%	50%	48%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
2	2	98	1.4	473 kgs	700 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 11**MOANAROA 627**

HB no.# 16586016627

TATTOO: 627

BORN: 27/08/16

BRAVEHEART OF STERN

WOODBANK 0110

WOODBANK 6001

SIRE: WOODBANK 2314

G A R PREDESTINED (IMP USA)

WOODBANK 6063

WOODBANK 353

TE MANIA POWERPLAY 355

TE MANIA 380

TE MANIA 99 09

DAM: MOANAROA 749

STERN RAMBO 699

MOANAROA 984

MOANAROA KEEPSAKE 502

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-0.1	-0.6	-3.6	+4.5	+30	+52	+73
34%	28%	42%	55%	60%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+71	+10	+0.5	-2.2	+32	+2.3	+0.3
54%	45%	46%	35%	53%	54%	54%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.2	+0.6	+0.6	SRI	+\$78	API	+\$97
55%	49%	47%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	96	2.2	355 kgs	632 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126





LOT 12**MOANAROA 630**

HB no.# 16586016630

TATTOO: 630

BORN: 30/08/16

TURIHAUA DREDGE V126

TURIHAUA DIGGER C49

TURIHAUA Y30

SIRE: TURIROA 009575

WAIMATA J791

TURIROA FAITH 471

103242 OF TURIROA

17 OF KAWATIRI

MOANAROA HAMISH 900

TURIHAUA Z237

DAM: MOANAROA 235

STERN 965

MOANAROA 555

MOANAROA 211

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
--	--	-2.8	+5.8	+34	+65	+86
		31%	51%	60%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+86	+7	+1.2	-2.9	+37	+2.3	+0.1
52%	36%	45%	28%	52%	53%	52%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.8	+0.2	+0.0	SRI	+\$87	API	+\$101
55%	48%	44%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
6	4	94	6	407 kgs	596 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 13**MOANAROA 632**

HB no.# 16586016632

TATTOO: 632

BORN: 30/08/16

TURIHAUA DREDGE V126

TURIHAUA DIGGER C49

TURIHAUA Y30

SIRE: TURIROA 009575

WAIMATA J791

TURIROA FAITH 471

103242 OF TURIROA

17 OF KAWATIRI

MOANAROA HAMISH 900

TURIHAUA Z237

DAM: MOANAROA 233

TE MANIA 305

MOANAROA 308

MOANAROA 10

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-2.4	--	-2.9	+5.3	+31	+60	+80
25%		32%	51%	60%	65%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+81	+8	+1.1	-2.6	+33	+1.2	+0.2
52%	36%	45%	28%	52%	53%	52%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.9	+0.0	+0.0	SRI	+\$77	API	+\$90
54%	48%	43%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	89	1.9	381 kgs	582 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 14

MOANAROA 633

HB no.# 16586016633

TATTOO: 633

BORN: 25/08/16

BRAVEHEART OF STERN
 WOODBANK 0110
 WOODBANK 6001

SIRE: WOODBANK 2314

G A R PREDESTINED (IMP USA)
 WOODBANK 6063
 WOODBANK 353
 YTHANBRAE HENRY VIII U8 (IMP USA)
 17 OF KAWATIRI
 133 OF KAWATIRI

DAM: MOANAROA 953

STERN RAMBO 699
 MOANAROA 15
 MOANAROA 406

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-1.6	-0.6	-2.4	+5.9	+40	+70	+100
34%	28%	45%	55%	60%	65%	61%
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+12	+1.7	-2.2	+49	+6.4	-0.3
54%	42%	47%	32%	53%	54%	54%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
-0.6	+1.0	+0.9	SRI	+\$102	API	+\$133
55%	49%	47%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
5	3	100	5	423 kgs	682 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 15**MOANAROA 638**

HB no.# 16586016638

TATTOO: 638

BORN: 21/08/16

KAHARAU 05-61

KAHARAU 09-265

KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265

PUKE-NUI 07 36

WAIMATA L1233

TURIHAUA TROJAN A146

TURIROA 07417

TURIROA 04322

DAM: MOANAROA 31

STERN RAMBO 699

MOANAROA 234

MOANAROA MELODY

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.4	--	-2.8	+5.1	+30	+56	+75
27%		28%	51%	58%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+80	+5	+0.8	-1.2	+27	+2.2	+0.8
51%	36%	42%	28%	51%	53%	53%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+1.2	-0.1	+0.2	SRI	+\$78	API	+\$94
54%	48%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	89	1.7	382 kgs	608 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 16**MOANAROA 639 (COM)**

HB no.# 16586016639

TATTOO: 639

BORN: 25/08/16

KAHARAU 05-61

KAHARAU 09-265

KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265

PUKE-NUI 07 36

WAIMATA L1233

DAM: MOANAROA 368

ACTUAL MEASUREMENTS				ACTUAL WEIGHT	
RUMP	RIB	EMA	IMF	10/09/17	09/04/18
6	3	96	4.6	337 kgs	586 kgs

PURCHASER..... PRICE

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 17**MOANAROA 641**

HB no.# 16586016641

TATTOO: 641

BORN: 10/09/16

KAHARAU 05-61

KAHARAU 09-265

KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265

PUKE-NUI 07 36

WAIMATA L1233

TURIHAUA TROJAN A146

TURIROA 07417

TURIROA 04322

DAM: MOANAROA 57

STERN 965

MOANAROA 630

MOANAROA 236

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.3	--	-3.3	+5.4	+33	+64	+85
26%		27%	50%	58%	64%	59%
MWT	MILK	SS	DC	CWT	EMA	RIB
+87	+5	+1.0	-0.9	+35	+3.4	+0.0
51%	35%	41%	27%	51%	53%	52%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.2	+0.1	+0.4	SRI	+\$88	API	+\$109
54%	48%	45%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
6	3	95	2.6	394 kgs	620 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 18**MOANAROA 643**

HB no.# 16586016643

TATTOO: 643

BORN: 25/08/16

KAHARAU 05-61

KAHARAU 09-265

KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265

PUKE-NUI 07 36

WAIMATA L1233

TURIHAUA DIGGER C49

TURIROA 009575

TURIROA FAITH 471

DAM: MOANAROA 60

MERCHISTON PARTON 452

MOANAROA 948

MOANAROA 604

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.0	--	-2.9	+5.9	+35	+68	+89
25%		30%	51%	59%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+93	+8	+0.8	-1.4	+36	-0.1	-0.1
51%	34%	43%	26%	51%	53%	53%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+0.6	-0.2	-0.1	SRI	+\$85	API	+\$100
54%	48%	45%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	102	2.4	427 kgs	662 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 19

MOANAROA 644

HB no.# 16586016644

TATTOO: 644

BORN: 10/08/16

KAHARAU 05-61
 KAHARAU 09-265
 KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265
 PUKE-NUI 07 36
 WAIMATA L1233

TURIHAUA DIGGER C49
 TURIROA 009575
 TURIROA FAITH 471

DAM: MOANAROA 75

17 OF KAWATIRI
 MOANAROA 856
 MOANAROA 211

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
-0.2	--	-3.6	+5.3	+34	+64	+86
25%		31%	51%	58%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+87	+8	+0.9	-2.5	+34	+0.2	+0.9
51%	35%	43%	27%	51%	53%	53%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
+1.7	-0.6	+0.2	SRI	+\$86	API	+\$102
54%	48%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
8	4	92	4.9	422 kgs	662 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 20

MOANAROA 645

HB no.# 16586016645

TATTOO: 645

BORN: 19/08/16

KAHARAU 05-61
 KAHARAU 09-265
 KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265
 PUKE-NUI 07 36
 WAIMATA L1233

TURIHAUA DIGGER C49
 TURIROA 009575
 TURIROA FAITH 471

DAM: MOANAROA 29

MERCHISTON PARTON 452
 MOANAROA 706
 MOANAROA 331

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-0.1	--	-3.2	+5.3	+31	+60	+79
25%		30%	51%	58%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+83	+7	+0.6	-1.4	+29	+0.2	+0.1
51%	34%	43%	27%	51%	53%	53%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
+0.8	-0.2	-0.1	SRI	+\$77	API	+\$90
55%	48%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
5	3	98	3.9	400 kgs	634 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 21**MOANAROA 647**

HB no.# 16586016647

TATTOO: 647

BORN: 10/08/16

KAHARAU 05-61

KAHARAU 09-265

KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265

PUKE-NUI 07 36

WAIMATA L1233

TURIHAUA TROJAN A146

TURIROA 07417

TURIROA 04322

DAM: MOANAROA 39

TE MANIA 380

MOANAROA 729

MOANAROA 101

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.6	--	-3.8	+5.5	+32	+65	+84
26%		30%	51%	59%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+89	+7	+0.8	-2.6	+33	+0.1	+0.7
52%	35%	42%	27%	52%	53%	53%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
+1.7	-0.8	+0.5	SRI	+\$89	API	+\$107
55%	48%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	99	1.6	447 kgs	656 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 22

MOANAROA 661

HB no.# 16586016661

TATTOO: 661

BORN: 05/09/16

BRAVEHEART OF STERN
 WOODBANK 0110
 WOODBANK 6001

SIRE: WOODBANK 2314

G A R PREDESTINED (IMP USA)
 WOODBANK 6063
 WOODBANK 353

TURIHAUA TROJAN A146
 TURIROA 07417
 TURIROA 04322

DAM: MOANAROA 052

TE MANIA 369
 MOANAROA 228
 MOANAROA 98815

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
-1.3	-0.1	-2.6	+5.3	+33	+59	+82
31%	25%	40%	53%	58%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+81	+7	+1.4	-2.0	+34	+5.0	+0.2
52%	39%	44%	30%	51%	53%	53%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
+0.1	+0.7	+1.0	SRI	+\$89	API	+\$114
55%	48%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
7	5	99	5.5	380 kgs	650 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 23**MOANAROA 671**

HB no.# 16586016671

TATTOO: 671

BORN: 12/09/16

BRAVEHEART OF STERN

WOODBANK 0110

WOODBANK 6001

SIRE: WOODBANK 2314

G A R PREDESTINED (IMP USA)

WOODBANK 6063

WOODBANK 353

YTHANBRAE HENRY VIII U8 (IMP USA)

17 OF KAWATIRI

133 OF KAWATIRI

DAM: MOANAROA 855

STERN RAMBO 699

MOANAROA 230

MOANAROA KEEPSAKE 502

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
-1.7	-1.0	-2.8	+5.7	+41	+70	+98
35%	29%	45%	55%	60%	65%	62%
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+11	+1.7	-2.6	+50	+6.1	-0.7
55%	46%	47%	34%	53%	54%	54%
RUMP	RBY	IMF	INDEXES BREED AVERAGES (\$)			
-1.3	+1.2	+1.1	SRI	+\$104	API	+\$132
56%	50%	48%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
3	2	107	1.3	408 kgs	696 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBY	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 24**MOANAROA M015**

HB no.# 16586016M015

TATTOO: M015

BORN: 08/10/16

KAHARAU 05-61

KAHARAU 09-265

KAHARAU 06-7996

SIRE: PUKE-NUI 12/389

WAIMATA IMPACT E265

PUKE-NUI 07 36

WAIMATA L1233

TURIHAUA TROJAN A146

TURIROA 07417

TURIROA 04322

DAM: MOANAROA 03

TE MANIA 305

MOANAROA 318

MOANAROA 3

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.5	--	-3.9	+5.1	+30	+61	+78
26%		31%	51%	59%	64%	60%
MWT	MILK	SS	DC	CWT	EMA	RIB
+82	+7	+1.0	-3.9	+31	-0.1	+1.2
52%	36%	42%	28%	52%	53%	53%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
+2.6	-1.3	+0.6	SRI	+\$88	API	+\$102
55%	49%	46%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS				ACTUAL WEIGHT		
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
4	3	96	1.9	363 kgs	650 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126



LOT 25

MOANAROA M019

HB no.# 16586016M019

TATTOO: M019

BORN: 14/10/16

BRAVEHEART OF STERN
 WOODBANK 0110
 WOODBANK 6001

SIRE: WOODBANK 2314

G A R PREDESTINED (IMP USA)
 WOODBANK 6063
 WOODBANK 353

MERCHISTON PEDRO 254
 MERCHISTON PARTON 452
 MERCHISTON TIME 6099

DAM: MOANAROA 861

TE MANIA 380
 MOANAROA 557
 MOANAROA 98817

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
-1.2	-0.5	-2.0	+5.6	+34	+62	+87
33%	26%	41%	52%	53%	55%	55%
MWT	MILK	SS	DC	CWT	EMA	RIB
+83	+11	+1.1	-2.1	+39	+3.7	-0.1
50%	44%	44%	32%	46%	45%	46%
RUMP	RBV	IMF	INDEXES BREED AVERAGES (\$)			
-0.4	+1.0	+0.5	SRI	+\$89	API	+\$112
46%	42%	42%	Breed Avg	+\$108	Breed Avg	+\$126
ACTUAL MEASUREMENTS			ACTUAL WEIGHT			
RUMP	RIB	EMA	IMF	10/09/17	09/04/18	
5	3	93	3.7	353 kgs	642 kgs	

PURCHASER..... PRICE.....

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES						
DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

LOT 26**MOANAROA M024 (COM)**

HB no.# 16586016M024

TATTOO: M024

BORN:

SIRE:**DAM:**

ACTUAL MEASUREMENTS				ACTUAL WEIGHT	
RUMP	RIB	EMA	IMF	10/09/17	09/04/18
2	2	95	1.5	370 kgs	632 kgs

PURCHASER PRICE

LOT 27**MOANAROA M005 (COM)**

HB no.# 16586016M005

TATTOO: M005

BORN:

TURIHAUA DREDGE V126
 TURIHAUA DIGGER C49
 TURIHAUA Y30

SIRE: TURIROA 009575

WAIMATA J791
 TURIROA FAITH 471
 103242 OF TURIROA

DAM:

ACTUAL MEASUREMENTS				ACTUAL WEIGHT	
RUMP	RIB	EMA	IMF	10/09/17	09/04/18
2	2	87	1.4	369 kgs	626 kgs

PURCHASER PRICE

2018 BREED AVERAGE EBVS FOR 2016 BORN CALVES

DIR	DTRS	GL	BW	200W	400W	600W
+0.1	+0.3	-3.9	+4.3	+43	+79	+103
MWT	MILK	SS	DC	CWT	EMA	RIB
+90	+15	+1.7	-4.1	+58	+4.8	+0.0
RUMP	RBV	IMF	INDEXES BREED AVERAGES			
-0.1	+0.3	+1.6	SRI	+\$108	API	+\$126

INDEX

LOT	HERDBOOK NO#	ANIMAL NAME	TAG NO#
1	16586016602	MOANAROA 602	602
2	16586016603	MOANAROA 603	603
3	16586016604	MOANAROA 604	604
4	16586016605	MOANAROA 605	605
5	16586016607	MOANAROA 607	607
6	16586016609	MOANAROA 609	609
7	16586016611	MOANAROA 611	611
8	16586016614	MOANAROA 614	614
9	16586016618	MOANAROA 618	618
10	16586016625	MOANAROA 625	625
11	16586016627	MOANAROA 627	627
12	16586016630	MOANAROA 630	630
13	16586016632	MOANAROA 632	632
14	16586016633	MOANAROA 633	633
15	16586016638	MOANAROA 638	638
16	Commercial	MOANAROA 639	639
17	16586016641	MOANAROA 641	641
18	16586016643	MOANAROA 643	643
19	16586016644	MOANAROA 644	644
20	16586016645	MOANAROA 645	645
21	16586016647	MOANAROA 647	647
22	16586016661	MOANAROA 661	661
23	16586016671	MOANAROA 671	671
24	16586016M015	MOANAROA M015	M015
25	16586016M019	MOANAROA M019	M019
26	Commercial	MOANAROA M024	M024
27	Commercial	MOANAROA M005	M005

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