KILBURNIE ANGUS

KILBURNIE ANGUS

FINAL DISPERSAL SALE

Friday, 21 August, 2020

1:00 PM START TIME

3	**OLDER BULLS**	3
25	**YEARLING BULLS**	25
50	**YEARLING HEIFERS**	50

AuctionsPlus Sale
with on-property viewing pre-sale

www.kilburnieangus.com.au

KILBURNIE ANGUS

EARLY HISTORY

Kilburnie Angus was established in the early 1980s and was one of the first herds to be performance recorded on the National Beef Recording Scheme.

From the earliest days the emphasis was on selection for performance. Once the Angus Society provided $indices we used these as a basis for selection. We did not ignore those important attributes (such as temperament, feet, legs, udders and longevity) which are not included in the indices. This is still our policy – though advances in breeding technology have changed the way in which we make mating decisions.

RECENT INTRODUCTIONS

In 2010 we introduced a small number of select cows into our programme. These included an outstanding maiden heifer, Te Mania Queanbeyan D113. She appears in many of our pedigrees. We also bought selected heifers from Prime Angus that have shown exceptional longevity and structural soundness. Other purchases included a small number of cows at the Tuwharetoa dispersal, including Tuwharetoa E105 by B/R Ambush 28. She has had 11 calves, the latest is an exceptional male calf, lot 16, by Rennylea H708 with a marbling EBV of 5.4. We would seriously be considering flushing her if we were not selling her.

Increasingly we have sourced semen from a small number of breeders. You will see prefixes on the sires from some of the largest herds placing a heavy emphasis on performance. Major contributors have been Gardiner Angus Ranch, Rennylea and Te Mania.

BREEDING RULES

Most maiden heifers and ALL first calf heifers are naturally joined. No cow or heifer that is empty is given a second chance. Annual culling decisions are based on structure, temperament and lateness of calving. We make joining decisions to get maximum performance (based on index values) taking into account inbreeding and EBVs on important items not in the indices.

MEASURING OUR SUCCESS

We monitor some EBVs to keep them within reasonable bounds – temperament, docility, structure and birth weight are examples. Subject to these constraints we compare the index values of our animals with those in other herds.

We are happy that we are producing some of the highest performance animals in the breed and furthermore that the Kilburnie herd has a very high proportion of high indexing animals.

In addition to monitoring our level of performance we try to monitor our rate of genetic progress. Our rate of genetic gain is generally higher than the average of all Australian seedstock producers despite our already high level of genetic performance.

KILBURNIE ANGUS

SALE PROCEDURE

These animals will be sold by simultaneous auction on AuctionsPlus on Friday, August 21, starting at 1.00 pm.

INSPECTION OF ANIMALS

Subject to requests and appointments being made animals will be yarded and available for inspection on:

WEDNESDAY, AUGUST 12   **FROM 9.30 AM TO 2.30 PM**

MONDAY, AUGUST 17   **FROM 9.30 AM TO 2.30 PM**

THURSDAY, AUGUST 20   **FROM 9.30 AM TO 2.30 PM**

Animals will **NOT** be routinely yarded unless a request has been received by Andy Burwell (02 6777 8182 or 0457 025 399 – please ***DO NOT*** leave texts or messages on the mobile) no later than the evening before the scheduled viewing.

Social distancing requirements will be observed at these events. Hand sanitiser will be available. We will keep a record of all persons who attend them.

We will **NOT** have bidding facilities at Straban on the day of the sale. You or your agent will have to communicate directly with AuctionsPlus.

DELIVERY OF ANIMALS

We would like all animals to be shipped from Straban by the evening of Thursday, August 27.

Please contact Andy Burwell as soon as possible after the sale to inform him of your transport arrangements on 02 6777 8182 or 0457 025 399 (please ***DO NOT*** leave texts or messages on the mobile). If it is not possible to contact Andy please contact Simon Newton 0467 660 320 or 02 6777 2044 and leave a message with him.

Normally these arrangements would be made at the sale – but with AuctionsPlus this does not happen. It is useful if your deliveries can be co-ordinated with others. We can assist with this but you need to let us know.

INCOMPLETE INFORMATION

Complete EBV and pedigree information on lots 2, 45, 46 and 71 will be available on our website and in the catalogue on the Angus Australia website before sale day.

KILBURNIE ANGUS

Final Dispersal Sale
Bulls and Weaners Heifers

To be sold on AuctionsPlus from 1.00pm
Friday, 21 August, 2020

- All animals vaccinated with 7 in 1 and bulls vaccinated for pestivirus.
- Light refreshments will be available at the pre-sale inspections.
- Animals are available for inspection before the sale at scheduled times by prior arrangement.
- A complete video of all sale animals will be available in late August.

Nutrien
Feeding the Future ™

David Murray
Ph: 02 4471 3675
Mobile: 0427 775 902

CONTACTS

The agents for this sale are
Nutrien Boultons Walcha
Phone 02 6777 2044

The contact for the sale is
Simon Newton
Mobile 0467 660 320

Andy Burwell
Ph: 02 6777 8182
Mobile: 0457 025 399

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KILBURNIE ANGUS

THE HIGH PERFORMANCE ANIMALS BEING OFFERED FOR SALE

We have been selecting animals for performance for the last thirty five years. The table below gives an indication of what we have achieved and the quality and type of animals being offered to you.

These are high indexing animals. The average of the indices of these animals ranks in the top 15% of the Angus breed. A number of animals are in the top 1% of the breed on all four indices and many are in the top 5%. You do not have many opportunities to buy animals of this calibre.

The strength of this performance is because we have continuously selected for:

    (1)   growth with calving ease,

    (2)   early growth but not excessive mature weight,

    (3)   fertility and retail beef yield,

    (4)   marbling and retail beef yield.

Individual animals on offer have different combinations of these valuable attributes.

AVERAGE OF SALE ANIMALS

Percentile Rankings

ABI DOM GRN GRS CE Dir BWT 600 MCW DTC CWT P8 RBY IMF
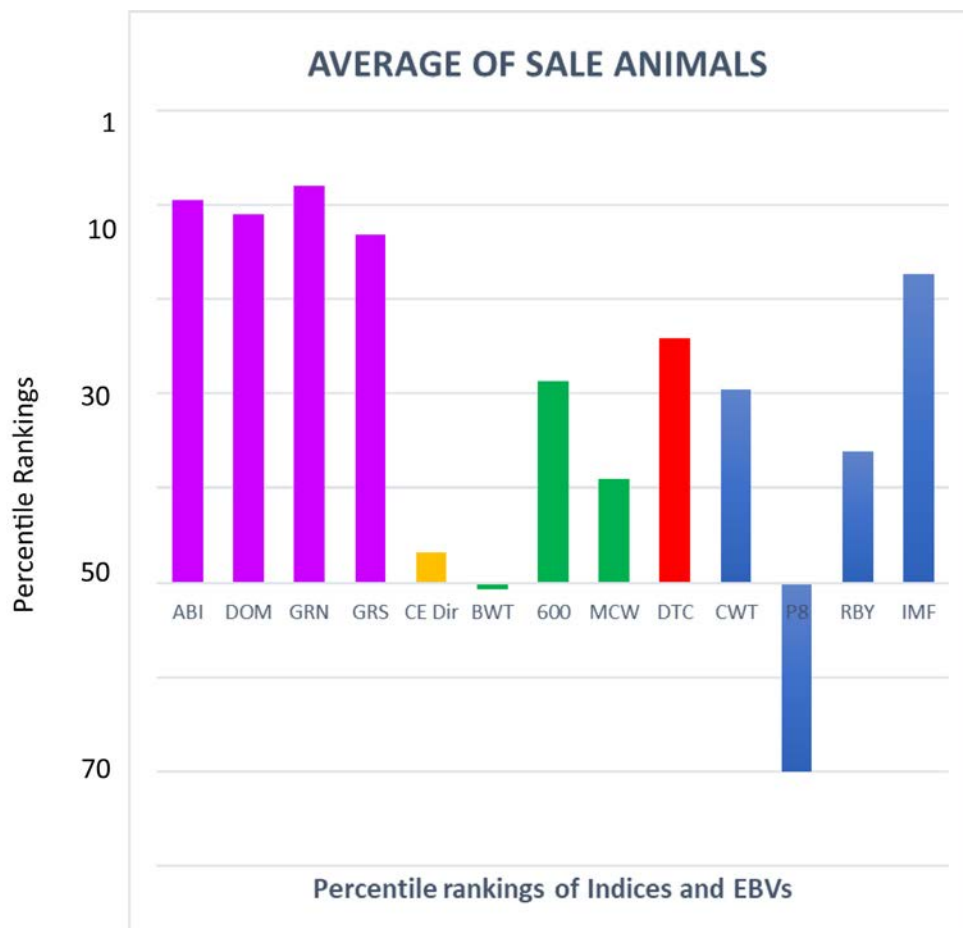
Percentile rankings of Indices and EBVs

PRE SALE INDEPENDENT ASSESSMENT AND MEASUREMENT

The bulls being offered for sale will all have undergone a full physical examination by Dr. Joanna Bacon of the Walcha Veterinary Clinic. This examination will not include semen testing. Certificates are available from the Veterinary Clinic on request.

Roger Evans, of Bovine Scanning Services, scanned Lots 4 to 81 for P8 and rib fat, eye muscle area and intramuscular fat on July 1, 2020. Information is included in the EBVs published.

He also structurally scored all of these animals. This raw data has been submitted to the Angus Society and structural EBVs should be available by sale day.

GENOMIC EVALUATION

As of December 2017 EBVs for Angus cattle have been calculated using information from DNA analysis – where it is available.

ALL animals on Straban have had tail hairs submitted to the Angus Society for DNA extraction. This DNA is analysed and the resulting information is used in two ways. Firstly it is used to verify the parents of the animal. Secondly it is used to provide more accurate EBVs for all animals. The Highrent bulls in the catalogue have also had DNA extraction and paternity verification.

COMPLETENESS OF INFORMATION

In addition to the externally collected information we weigh animals at birth and regularly thereafter, including mature weights. We collect docility scores at weaning. We record joining and pregnancy testing results to underpin our fertility EBVs. We also record male scrotal size.

FURTHER DATA

The scanning information from the young bulls will be processed in the mid July run of TACE. Updated EBVs will be available on the Angus Australia website in mid July. We will have scrotal measurements on bulls and sale day weight information available for you.

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HOW WE EVALUATE ANIMALS WITH THE AVAILABLE OBJECTIVE INFORMATION

Where possible we evaluate our animals using objective measurements and the breeding values derived from them. For some attributes we have to use other information.

We use the standard $indices as our first guide in evaluating animals. The EBVs and the approximate index weightings are shown below. These reflect the relative emphasis that we put on different traits. The comments below are only intended to provide guidance on how we have made our decisions.

Calving Ease (weighting about 10%).

Dead calves are not very useful and calving problems in the middle of the night in July are not pleasant. We select for calving ease but also want our animals to grow rapidly.

Rapid Growth to Sale (Slaughter) Age (weighting more than 20%).

We want animals to be born easily and to grow very rapidly until we sell them. In particular we want easily born calves, with male calves that weigh heavily on sale day but with retained heifers that do not grow into enormous cows.

Mature weight (weighting about 5%).

We call the combination of calving ease, rapid growth and reasonable mature size 'the growth curve'. Getting this right is a first step. There is some discussion about Angus cows becoming too large. We think that in some environments this may be important but we know that there are penalties (reduced prices/kg) applied to smaller animals under some circumstances

Fertility – Days to Calving (weighting about another 20%.Yes, it is very important).

Most of our clients join their cows naturally. Their major fertility problems are to get maiden heifers pregnant to a bull in 42 days and to get heifers on their first calf back into calf as fast as possible. For the last ten years we have joined all our first calf heifers and most of our weaner heifers naturally. We think this a better method of selection to breed productive fertile cows than by breeding them to be fat.

Intramuscular Fat (IMF%) (weighting around 10%, up to 20% for the Heavy Grain Fed Market).

Meat quality is heavily influenced by Intramuscular Fat. Putting emphasis on IMF is expected to lead to fatter animals with lower meat yield.

Retail Beef Yield (RBY%) (weighting another 10% or so).

It is now inevitable that value-based marketing will be implemented in Australia in the next five to ten years. Low yielding carcases will be penalised.

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HOW WE PRESENT THE OBJECTIVE INFORMATION TO MAKE IT EASIER TO UNDERSTAND

To make it easier to grasp this information we find it useful to present the data in a diagrammatic form as below.

The important parts of the indices are calving ease (**yellow**), the growth curve (**green**), fertility (**red**) and carcase characteristics (**blue**). The four $indices are also shown (**purple**). The percentile rankings for the EBVs are shown as the lengths of the bars above and below the 50% ranking.

For this animal all indices are in the top 1% of the breed. Calving ease and birth weight EBVs are in the top (preferred) 40% of the breed. For this animal all indices are in the top 1% of the breed. Calving ease and birth weight are better than average. Growth EBVs are in the top 10% of the breed but Mature Cow Weight EBV is relatively modest. Days to Calving is better than breed average. Retail beef yield and IMF% EBVs are both in the top 5% of the breed. Fats are very much below breed average.

We find these diagrams help us to assess each animal. We have published them in this catalogue to aid your selection.

We also take into account other attributes. Docility and structural EBVs are not included in the indices. We do not have EBVs for some very important traits such as longevity and coat score.

MURRAY SCALEHOUSE Q10												
Index/EBV	ABI	DOM	GRN	GRS	CE Dir	BWT	600	MCW	DTC	CWT	P8	RBY	IMF
Value	167	148	200	151	4.0	3.5	132	107	-5.3	77	-3.0	2.0	3.9
Percentile	1	1	1	1	38	31	10	31	40	8	97	4	3

LOT 13 MURRAY SCALEHOUSE Q10

Percentile rankings of Indices and EBVs
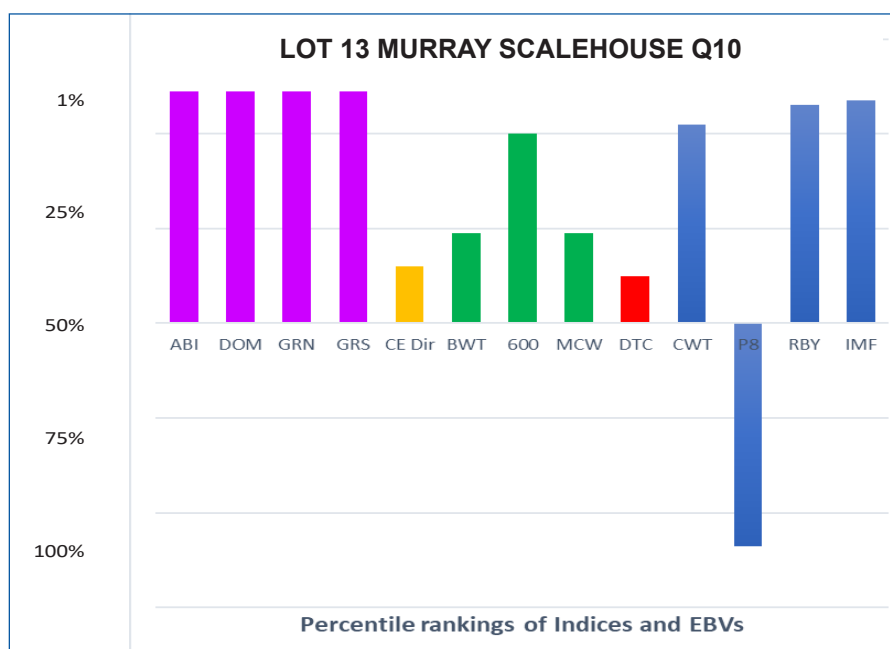
KILBURNIE ANGUS

TWO IMPORTANT EBVS THAT WE HAVE TREATED WITH CAUTION

FERTILITY

We are strongly of the opinion that fertility is one of the most important determinants of the profitability of a cattle operation. Therefore over the years we have consistently put pressure on our cow herd to help us to identify and cull the low fertility animals.

We have always run the cows on some of the harder country in our district, also on the harder paddocks on the property. We have never grown our heifers out to very heavy weights prior to joining. These two practices have allowed us to identify the relatively low fertility animals in our herd and to cull them. We think that if we are trying to breed high fertility seedstock it is necessary to do this.

In recent years there has been a fair amount of controversy about the measurement of fertility in the Breedplan system. The current ruling is that only natural matings are used to estimate fertility EBVs. The reality is that the majority of matings in seedstock herds are by artificial insemination. By contrast few commercial herds use AI intensively. The reason for excluding AI matings is that most of these programmes can induce non-cycling animals to cycle. So including them in the analysis would produce an EBV for Days to Calving **after** a Drug Induced Cycle. This is probably not a useful measure of fertility for commercial producers.

In most of our commercial clients' herds the major fertility challenge is to get their heifers with their first calf back into calf naturally in a short period.

For these two reasons we have for the last ten years joined all our heifers with their first calves to a bull.

Genetic fertility in the Kilburnie herd is high and is the result of the actions mentioned above. We think this result is pleasing because the fat levels (Rib and P8) in our herd are low despite the popular view that Fat and Fertility are positively related.

We have argued elsewhere that the number of days from Bull In to Conception would provide a more meaningful measure of fertility than the number of days from Bull In to Calving. The latter, which we all currently use, includes the gestation length.

STRUCTURAL EBVs

Visual appraisal of animals is an important part of the process of breeding. This assessment can be strengthened by measuring important traits and calculating breeding values for them. We understand that the use of structural and related EBVs in dairy cattle has had a major impact on those animals. There seems to be no reason why the same should not be true for beef cattle.

Structural EBVs were first generally reported in 2016. We had been recording and accumulating data for some years before that. Recently we have been collecting information on all our bull calves prior to sale and on our heifers at 18 to 21 months of age. The animals in this catalogue were all structurally scored on July 1st, 2020. The raw scores have been submitted to Breedplan.

In practice there are issues with these measurements that concern us and other breeders. Despite this we have tried to use them in our breeding programme. This has been difficult as until recently there were few sources of bulls or semen with structural EBVs that we could access.

Along with feet and leg scores we have collected teat and udder scores for a number of years. If you want to see very functional udders you should visit a dairy where the animals have been scored for udder characteristics and selected on the resulting EBVs.

Only a small number of animals in the breed have been measured for all of these traits. Fortunately they are being measured in the Angus Sire Benchmarking Program.

2020 KILBURNIE FINAL DISPERSAL SALE
BREEDPLAN EBV SUMMARY
BULLS: LOTS 1 – 26

GREEN, BLUE, RED AND BLACK

We use Green, Red, Blue and Black in the following table to indicate where these animals are relative to the Angus breed.

INDICES are shaded with the **black** numbers in the top half (**50%**) of the breed. The red figures are in the top **20%** of the breed. The blue figures are in the top **5%** of the breed.
The green figures are in the top **1%** of the breed.

EBVs are shaded with the red numbers in the top half (**50%**) of the breed. The blue figures are in the top **25%** of the breed and the green figures are in the top **10%** of the breed.
In both cases the unshaded (plain black) numbers are in the bottom half of the breed.

We show all four $indices and all EBVs. In addition we show the birthweight EBV since some people see it as a more accurate predictor of calving ease than the calving ease EBV. The Indices and EBVs for these animals were extracted from information derived from an Angus Database Search between June 1 and June 15, 2020. Note that the information on pages 14 – 43 was extracted by the Angus Society mid July 2020.

Lot	Ident	Register	Sire ID	Dam ID	ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
					$ Index				**Calv Ease**		**Birth**		**Growth**					**Fertility**		**Other**				**Carcase**			
1	NURN70	HBR	NORK522	NURJ53	159	133	185	143	4.9	4.9	-5.5	3.9	55	93	127	128	14	-8.4	5.6	11	0.43	78	7.6	-0.3	-1.2	1.6	2.8
2	*Information not currently available.*																										
3	NURP92	HBR	VTML107	NURM81	161	134	190	146	10.7	7.3	-5.4	0.5	54	101	132	87	24	-6.7	0.2	8	0.35	79	5.3	0.3	-0.8	-1.2	4.4
4	NURQ4	HBR	USA17354047	NURJ53	163	150	180	152	3.3	7.4	-6.8	3.6	61	103	129	103	13	-7.1	2.8	6	-0.01	76	11.2	-2.3	-4.2	3.8	1.7
5	NURQ8	HBR	USA17354047	NURM3	159	139	184	147	3.2	6.0	-7.1	4.0	62	110	146	134	17	-4.4	2.3	8	0.19	83	7.6	-2.1	-2.9	1.7	2.8
6	NURQ12	HBR	USA17354047	NURJ53	158	144	178	146	1.8	4.0	-5.7	2.8	60	105	130	121	13	-6.2	3.6	-3	0.00	80	10.6	-1.6	-2.5	2.7	2.4
	Kilburnie Sale Bull Average EBVs & Indices				151	132	175	138	4.1	5.3	-5.0	3.5	53	95	123	102	17	-6.4	2.6	4.3	0.4	72	8.1	-0.7	-1.7	1.0	3.2
				1%	160	136	187	147																			
				5%	148	129	170	138																			
	Colour coding for Percentile Distribution of Indices and EBVs			1%					8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
				20%	134	121	149	127																			
				25%					5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
				50%	119	111	125	116	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

Lot 1 note: We have used this bull in our herd for the last two years. He has progeny in the Angus Sire Benchmarking Program. He is not only a high performance bull but he is also a relatively high accuracy bull.

Lot 3 note: We have preached the importance of marbling to you for some years now. We have gradually been putting more emphasis on it and last year used this high marbling young bull in our programme. In addition the very marked growth curve and the Days to Calving EBVs are important.

Lot 4 note: A calving ease bull with all indices in the top 5% of the breed. As with all the Scale House sons you should note the fertility, the EMA and RBY% EBVs.

Lot 5 note: A very high growth rate bull but with breed average birthweight. He should be safe to use over well grown heifers and the calves will be stand outs. The mother is by the very high marbling American sire HPCA Proceed.

Lot 6 note: One of four flush brothers in this sale. Scale House had a major impact on our breeding programme. The mother of these calves bred very well for us over the years. The calves have growth, calving ease and the very good carcase EBVs we would expect from the Gardiner Angus Program.

Kilburnie Angus Final Dispersal Sale 2020

Lot	Ident	Register	Sire ID	Dam ID	ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
							$ Index		**Calv Ease**		**Birth**		**Growth**					**Fertility**			**Other**			**Carcase**			
7	NURQ16	HBR	USA17354047	NURJ53	181	157	209	165	-0.3	5.4	-4.3	4.4	64	113	142	117	13	-8.2	3.7	9	0.16	84	12.3	-1.3	-2.1	2.9	2.7
8	NURQ18	HBR	USA17354047	NURM17	171	150	194	160	3.2	5.4	-4.8	4.5	71	118	155	138	17	-5.8	2.3	7	0.01	86	9.4	-2.8	-3.5	2.8	2.2
9	NURQ26	HBR	USA17354047	NURJ105	179	146	210	162	2.9	7.4	-6.4	4.3	61	107	146	139	19	-10.1	4.4	-4	0.16	79	8.6	-0.5	-1.6	2.0	2.6
10	NURQ30	HBR	USA17354047	NURM3	160	143	189	146	-8.0	0.4	-0.7	6.4	68	118	149	113	21	-4.2	2.8	6	0.27	86	10.3	-3.7	-3.9	3.1	3.2
11	NURQ50	APR	NORH708	NURJ93	162	138	194	147	-4.1	2.7	-3.3	4.7	56	108	141	113	18	-4.2	2.3	11	0.75	75	9.5	-1.5	-1.6	1.6	3.7
12	NURQ52	HBR	DBLL292	NURL33	155	130	185	141	4.1	5.0	-4.1	7.7	65	115	155	144	18	-6.3	1.3	19	0.21	90	3.2	-1.6	-3.6	0.0	3.0
13	NURQ10	HBR	USA17354047	NURM3	167	148	200	151	4.0	7.6	-4.9	3.5	60	105	132	107	22	-5.3	3.1	6	0.43	77	9.8	-1.8	-3.0	2.0	3.9
14	NURQ36	HBR	USA17328461	NURN65	157	139	174	146	9.3	6.7	-4.9	2.2	51	91	115	83	22	-7.8	4.6	-9	0.08	64	9.1	-0.6	0.3	1.6	2.7
15	NURQ44	HBR	DGJG10	NURN47	148	130	175	132	7.5	8.8	-3.6	0.7	40	76	94	69	17	-5.9	0.8	-5	0.61	57	12.8	-0.3	-0.4	0.2	4.5
16	NURQ48	APR	NORH708	BNAE105	140	121	183	119	-0.6	3.8	-3.4	4.3	44	82	106	87	10	-4.5	0.8	-8	0.54	60	6.3	-1.5	-4.0	0.3	5.3
17	NURQ56	HBR	WWEL115	NURN97	153	135	174	142	6.6	5.3	-7.8	3.4	50	94	125	83	24	-5.8	2.5	-12	0.37	69	8.0	-2.9	-3.1	2.0	2.6
18	NURQ60	HBR	USA17354047	NURN111	158	141	177	147	5.4	6.8	-8.9	3.4	58	105	132	112	19	-7.9	2.5	-2	0.00	77	5.5	-1.1	-1.2	1.4	2.3
19	NURQ76	HBR	NURN68	NURM205	155	132	173	143	9.4	7.5	-5.5	1.5	48	90	115	76	27	-9.4	3.1	24	0.86	69	7.4	1.1	2.0	-0.6	3.3
20	NURQ160	HBR	VTMM1425	NURG49	124	115	129	118	10.9	9.0	-5.3	1.3	40	77	95	67	24	-8.7	-0.1	25	0.18	51	4.8	0.4	1.2	-0.6	2.2
21	DOJQ8	APR	NHZF1023	DOJN157	132	118	150	124	6.2	4.9	-5.6	4.0	47	85	110	90	14	-5.0	2.2	-	0.82	69	8.8	1.2	-0.6	-0.4	3.3
22	DOJQ16	APR	NHZF1023	DOJN13	125	112	144	117	7.9	5.3	-3.8	2.2	42	74	98	61	18	-3.2	1.6	-	0.61	55	9.1	1.1	-0.7	-0.8	4.2
23	DOJQ88	APR	NHZF1023	DOJL66	128	108	156	114	-5.2	3.3	-2.5	6.3	52	93	122	115	11	-5.1	4.2	-	0.89	71	4.9	1.7	0.3	-1.6	4.4
24	DOJQ96	APR	NHZF1023	DOJL3	118	114	138	108	7.8	7.9	-6.6	1.6	41	76	90	75	14	-5.9	2.4	-	0.57	62	5.3	0.5	-2.5	-0.3	3.6
25	DOJQ98	APR	NHZF1023	DOJL149	118	108	142	104	4.7	1.8	-4.3	2.7	35	69	82	84	9	-6.0	3.1	-	0.90	52	8.4	2.2	0.0	-1.1	4.3
26	DOJQ100	APR	NHZF1023	DOJL24	137	124	161	124	5.4	5.8	-4.2	4.0	44	81	102	86	13	-6.3	4.3	-	0.75	64	7.3	-1.1	-1.5	0.8	3.4
Kilburnie Sale Bull Average EBVs & Indices					151	132	175	138	4.1	5.3	-5.0	3.5	53	95	123	102	17	-6.4	2.6	4.3	0.4	72	8.1	-0.7	-1.7	1.0	3.2

Breed percentile distribution ($ Index):

	ABI	DOM	GRN	GRS
1%	160	136	187	147
5%	148	129	170	138
20%	134	121	149	127
50%	119	111	125	116

Breed percentile distribution (EBVs):

	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
1%	8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
25%	5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
50%	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

Colour coding for Percentile Distribution of Indices and EBVs

Lot descriptions:

- **7 (NURQ16):** A full brother to the previous bull. More growth and a little bit less calving ease. The combination of marbling, meat yield and fertility is another example of the resolution of the antagonisms between fertility and carcase traits.
- **8 (NURQ18):** The mother of this bull is one of our highest performing Bartel E7 daughters. The waste (body) fat has been stripped off BUT the taste fat (IMF%) and the fat required for fertility (DTC) seem to still be there.
- **9 (NURQ26):** Grando J105 is a cow that made a major contribution to our herd. This son of hers by Scale House has an impeccable set of figures. We would particularly want you to notice the Days to Calving EBV - it is exceptional.
- **10 (NURQ30):** The combination of IMF% and RBY EBVs makes this a very special bull. It has taken us many years to get this combination into our animals. You can get there in one step with this outcross pedigree.
- **11 (NURQ50):** This bull has exceptional indices and EBVs. The combination of meat yield and IMF% should be noted. When producers are paid for carcase quality and meat yield you will appreciate the value of this bull and his progeny.
- **12 (NURQ52):** This bull has a very high growth rate and should produce calves that grow well. His marbling is in the top 5% of the breed and his calves will command a premium when marbling is paid for.
- **13 (NURQ10):** In the top 1% of the breed on all four indices. A full brother to Lot 10. He has an exceptional combination of IMF% and meat yield with growth and calving ease.
- **14 (NURQ36):** This son of a maiden heifer is ideally suited to be used over your heifers. They should be your genetically most advanced animals and when joined to this high performance bull will produce some very valuable daughters.
- **15 (NURQ44):** A very high IMF% bull with a very low birthweight. Suitable over heifers and will put marbling into your herd.
- **16 (NURQ48):** This is the highest IMF% bull that we have bred. His mother is an older B/R Ambush 28 daughter that we bought at the Tuwharetoa dispersal sale. She bred very well for us producing 9 natural and 2 embryo calves.
- **17 (NURQ56):** We have been very happy with the progeny of L115. This son of his has all indices in the top 5% of the breed with moderate birth weight plus high growth and carcase weight EBVs. Strongly recommended for heifers.
- **18 (NURQ60):** A very high fertility Scale House son ideally suited for use over heifers. The mother goes back to a line of low birth weight bulls.
- **19 (NURQ76):** His father was by the very high marbling HPAC Proceed out of our cow J105 that bred so well for us.
- **20 (NURQ160):** A red bull. His father is one of the highest indexing bulls with a red gene. His mother (also black with a red gene) bred very well for us over the years.
- **21 (DOJQ8):** A good balance of marbling with the other traits. Safe to use over heifers.
- **22 (DOJQ16):** An extreme calving ease bull with all indices in the top 5% of the breed. Note the high growth EBV but low mature weight. His mother was by our P A Power Play son, NURK22, that is currently being evaluated in the Angus Sire Benchmarking programme, cohort 9. Although not a big bull K22 had one of the more remarkable growth curves that I have seen.
- **23 (DOJQ88):** The mother of this bull (a daughter of our El Grando) had exceptional growth and solid marbling. With the Hazeldean marbling bull as his father he is a very sensible way to introduce marbling into your herd.
- **24 (DOJQ96):** An exceptionally low birthweight bull with IMF% in the top 10% of the breed.
- **25 (DOJQ98):** Very high marbling with moderate birth weight. Ideal to use over your maiden heifers. His mother was by a very good Kilburnie bull out of a very sound older Kilburnie cow going back to Bon View New Design 1407.
- **26 (DOJQ100):** On his mother's side of the pedigree this bull goes back to G A R Twinhearts. He has a good combination of IMF% and meat yield combined with a very short days to calving EBV and breed average birthweight.

KILBURNIE ANGUS

2020 KILBURNIE FINAL DISPERSAL SALE
BREEDPLAN EBV SUMMARY
HEIFERS: LOTS 27 - 81

GREEN, BLUE, RED AND BLACK

We use Green, Red, Blue and Black in the following table to indicate where these animals are relative to the Angus breed.

INDICES are shaded with the black numbers in the top half (50%) of the breed. The blue figures are in the top 5% of the breed. The green figures are in the top 1% of the breed.

EBVs are shaded with the red numbers in the top half (50%) of the breed. The blue figures are in the top 25% of the breed and the green figures are in the top 10% of the breed.

In both cases the unshaded (plain black) numbers are in the bottom half of the breed.

We show all four $indices and all EBVs. In addition we show the birthweight EBV since some people see it as a more accurate predictor of calving ease than the calving ease EBV. The Indices and EBVs for these animals were extracted from information derived from an Angus Database Search between June 1 and June 15, 2020. Note that the information on pages 14 - 43 was extracted by the Angus Society mid July 2020.

Lot	Ident	Register	Sire ID	Dam ID	$ Index				Calv Ease		Birth		Growth					Fertility			Other			Carcase			
					ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
27	NURQ3	HBR	USA17354047	NURJ53	179	156	202	167	0.6	5.7	-5.6	4.1	68	116	151	139	15	-6.3	3.4	7	0.01	91	14.0	-2.2	-3.0	3.9	2.0
	The mating of Scale House and our J53 cow has produced an impeccable set of EBVs and Indices in this heifer. The pedigree is such that it should not be difficult to find matings for her that can retain this outstanding performance in the progeny. Consider this heifer and the way in which she could transform your herd.																										
28	NURQ7	HBR	USA17354047	NURM17	158	138	177	147	10.8	9.4	-4.6	0.3	56	97	123	86	20	-7.5	1.3	8	0.50	74	8.4	0.7	-0.5	0.1	3.3
	This is an exceptional heifer. Notice the calving ease and birth weight, the 600 day growth and the mature weight.																										
29	NURQ9	HBR	USA17354047	NURJ53	163	144	185	150	-0.9	3.1	-4.3	3.8	66	116	146	131	15	-7.6	2.8	7	-0.24	89	7.7	-1.3	-2.6	2.0	2.3
	A full flush sister to Q3 - and some of the exceptional bull calves being offered for sale today. Examine these calves carefully.																										
30	NURQ11	HBR	USA17354047	NURJ105	166	136	200	148	0.4	2.9	-4.9	4.3	57	98	133	108	20	-8.2	2.5	6	0.40	78	8.8	-1.3	-2.4	1.4	3.7
	The mating of Scale House and J105 worked very well. The flush produced Q11, Q17, Q19, Q27 and Q29. You can choose any one of these very good heifers to make a positive impact on your breeding programme.																										
31	NURQ17	HBR	USA17354047	NURJ105	173	143	205	155	3.9	5.5	-4.0	3.7	57	102	138	108	23	-8.2	3.0	6	0.50	77	9.3	-1.1	-3.0	1.7	3.3
	This is a heifer with a truly oustanding combination of fertility, IMF% and RBY% EBVs.																										
32	NURQ19	HBR	USA17354047	NURJ105	162	133	192	146	-3.7	-0.3	-3.4	5.8	66	110	151	138	18	-7.6	3.1	-4	0.16	87	7.4	-1.9	-3.2	1.9	2.9
	As stated above the Scale House mating to J105 produced some outstanding calves including this heifer.																										
	Kilburnie Heifer Average EBVs & Indices				149	129	173	137	1.9	3.3	-4.9	4.6	54	97	127	109	17	-6.8	2.7	4.9	0.28	72	7.5	-1.0	-1.5	1.0	3.0
				1%	160	136	187	147																			
				5%	148	129	170	138																			
	Colour coding for Percentile Distribution of Indices and EBVs			1%					8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
				20%	134	121	149	127																			
				25%					5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
				50%	119	111	125	116	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

Lot	Ident	Register	Sire ID	Dam ID	$ Index				Calv Ease		Birth		Growth					Fertility		Other			Carcase				
					ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
33	NURQ21	HBR	USA17354047	NURM3	159	137	191	144	-9.6	-5.4	-0.4	6.3	72	124	162	135	20	-3.9	3.4	16	0.27	94	9.4	-4.6	-4.7	2.8	3.3
34	NURQ27	HBR	USA17354047	NURJ105	161	130	194	143	-7.4	-0.5	-2.0	7.3	63	109	146	133	12	-8.0	3.5	-4	0.38	80	8.5	-0.5	-1.7	1.0	3.5
35	NURQ37	HBR	USA1806037	NURL43	155	137	180	143	2.7	2.1	-8.2	6.1	63	110	144	138	15	-5.0	2.0	-11	-0.09	81	6.9	-2.8	-3.4	2.0	2.6
36	NURQ39	HBR	USA1806037	NURH107	150	130	174	139	8.8	5.7	-7.4	2.9	52	100	135	136	17	-4.8	2.2	-11	0.35	69	5.9	-1.9	-2.1	1.4	2.6
37	NURQ47	HBR	NURN70	NURM189	157	129	186	141	-0.8	1.0	-3.2	5.4	61	105	142	130	19	-8.1	4.6	19	0.23	83	5.0	-1.2	-1.2	0.5	3.3
38	NURQ51	APR	NORH708	NURG132	145	121	176	129	-7.9	1.3	-3.5	6.4	50	91	123	96	16	-4.6	2.7	9	0.82	60	8.6	-2.0	-0.8	1.3	4.1
39	NURQ55	APR	NORH708	NURK59	149	124	182	134	-10.3	-3.9	-1.0	6.8	57	109	142	102	19	-5.0	2.6	14	0.60	72	6.7	-1.5	-0.8	0.3	4.2
40	NURQ61	APR	NORH708	NURK47	139	126	160	129	-1.5	3.6	-0.7	4.6	54	99	127	105	16	-3.4	0.9	3	-0.10	70	9.1	-2.0	-2.8	1.2	3.1
41	NURQ65	HBR	QMUM13	NURN17	171	150	202	153	11.6	6.4	-12.5	2.4	56	102	125	101	21	-8.3	0.6	-10	0.07	78	10.1	-2.2	-2.5	1.9	3.5
42	NURQ23	HBR	NURN70	NURN127	139	117	156	130	5.2	3.7	-5.7	4.1	53	93	127	113	11	-8.2	2.4	22	0.12	77	1.9	1.4	0.3	-1.1	2.6
43	NURQ25	HBR	NURN70	NURN61	157	136	183	142	4.2	-1.5	-0.6	4.0	58	104	135	122	21	-7.7	4.7	1	0.01	80	7.9	-1.4	-3.2	1.9	2.7
44	NURQ29	HBR	USA17354047	NURJ105	165	138	190	151	-4.8	0.0	-2.4	6.1	66	112	147	126	19	-8.2	3.3	-4	0.08	87	10.3	-0.6	-0.9	1.6	2.8
45	NURQ31	HBR	VTMM1425	NURN51																							
46	NURQ33	APR	NHZF1023	NURN87																							
47	NURQ35	HBR	VTMM1425	NURN75	134	125	153	125	10.3	8.8	-8.1	2.7	49	89	110	102	19	-6.1	0.9	2	0.51	68	7.8	-2.3	-2.4	0.8	2.8
48	NURQ41	HBR	QMUM13	NURN109	146	135	156	140	9.1	6.9	-6.8	2.2	50	94	118	67	26	-5.3	1.4	3	0.35	68	9.5	-0.9	-0.9	1.3	2.3
49	NURQ45	HBR	NJWJ53	NURN79	124	116	130	123	1.8	2.4	-4.8	5.3	61	109	145	149	16	-4.2	2.9	5	-0.34	79	2.5	-1.1	-1.9	0.6	1.1
	Kilburnie Heifer Average EBVs & Indices				149	129	173	137	1.9	3.3	-4.9	4.6	54	97	127	109	17	-6.8	2.7	4.9	0.28	72	7.5	-1.0	-1.5	1.0	3.0

Lot notes:

- **33 – NURQ21:** A full flush sister to Lot 13, Q10. More growth (and birth weight) than her brother but with an equally exceptional combination of IMF% and Retail Beef Yield.
- **34 – NURQ27:** Q27 was the last born of these five flush sisters. She has a higher birth weight EBV than the other heifers. My experience is that of all the EBVs for embryo calves the birth weight EBV is the most likely to change and so this heifer's Birth Weight EBV just might fall. Also be aware that these EBVs have included 50k genetic information. In the past I have observed that this genetic information usually spreads the EBVs more than has happened in this case.
- **35 – NURQ37:** All indices in the top 5% of the breed. A very high growth rate daughter of V A R Legend with an acceptable birth weight EBV. Legend appears to have thrown the combination of IMF% and RBY% that we have been striving for.
- **36 – NURQ39:** Another heifer with all the indices in the top 5% of the breed. Very similar to the preceding heifer but with a lower birth weight. Berkley is in the pedigree to make a good combination of the best American and Australian genetics.
- **37 – NURQ47:** The mother, NURM189, is an outstanding Bartel E7 daughter that we sold in March. The father, our Kodak N70, has bred well for us. This heifer has the potential to breed very superior progeny.
- **38 – NURQ51:** Rennylea H708 is one of the outstanding carcase bulls in the breed with very high IMF% and Retail Beef Yield. Q51 is the seventh natural calf of G132 that was sold in March. This mating resulted in a sound set of indices and EBVs with a particularly strong combination of IMF% and Retail Beef Yield.
- **39 – NURQ55:** We have been trying to breed animals with both growth and marbling. This heifer fits that description. She should breed well if joined to some of the very high marbling bulls in the breed.
- **40 – NURQ61:** The lower birth weight of this H708 daughter comes from P A Power Tool in the mother's pedigree. The combination of IMF% and Retail Beef Yield is an important feature of the animals that we are selling.
- **41 – NURQ65:** This heifer is one of those rare animals that is in the top 1% of the breed for all indices. She (like the Scale House daughter Q17) is one of a small number of females with IMF%, Retail Beef Yield and Days to Calving all in the top 10% of the breed. We would expect her to breed very well.
- **42 – NURQ23:** Q23 was an early calf from a maiden heifer. Better than breed average growth and lower than breed average birth weight combined with a top 10% fertility EBV make her the sort of animal that could be the foundation of a solid breeding programme.
- **43 – NURQ25:** High growth, a moderate birthweight and a desirable combination of IMF and Retail Beef Yield should make this heifer an attractive breeding proposition for most herds. The Days to Calving EBV is in the top 10% of the breed.
- **44 – NURQ29:** The last born of the Scale House/J105 daughters.
- **45 – NURQ31:** *Information not currently available.* A black heifer that has a red gene.
- **46 – NURQ33:** *Information not currently available.*
- **47 – NURQ35:** This heifer carries a red gene. She has extreme calving ease and a very moderate birth weight. You could breed some very useful calving ease bulls from her.
- **48 – NURQ41:** With the calving ease and growth that this heifer has you should be able to breed some very useful animals. Note the exceptional growth curve with the low mature weight in the lowest 5% of the breed. We think it is important to constrain the mature size of our cows while still having rapid growth to 600 days. This is why we put such emphasis on the growth curve.
- **49 – NURQ45:** A red heifer with very high growth EBVs which are exceptional for a red Angus.

Colour coding for Percentile Distribution of Indices and EBVs

Percentile	ABI	DOM	GRN	GRS
1%	160	136	187	147
5%	148	129	170	138
20%	134	121	149	127
50%	119	111	125	116

Percentile	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
1%	8.5	7.4	-7.3		56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
25%	5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
50%	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

Lot	Ident	Register	Sire ID	Dam ID	ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
					\$ Index				Calv Ease		Birth		Growth				Milk	Fertility		Other			EMA	Carcase			
					ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW		DTC	SS	DOC	NFI-F	CWT		RIB	P8	RBY	IMF
50	NURQ49	HBR	DGJG10	NURN25	137	123	163	121	11.2	8.2	-4.9	0.6	39	78	91	87	18	-8.9	1.4	-3	0.43	50	8.4	1.1	0.0	-0.8	4.1
51	NURQ59	APR	NHZF1023	NURN95	133	113	155	121	3.3	2.9	-0.1	4.6	49	91	119	99	18	-6.8	2.8	14	0.69	79	5.1	2.2	-0.1	-1.8	3.7
52	NURQ71	HBR	USA17328461	NURN43	169	135	196	153	1.8	-3.9	-3.4	5.1	59	108	145	131	20	-8.7	4.4	-3	0.13	80	7.1	0.1	1.8	0.1	3.3
53	NURQ73	HBR	QMUM13	NURN13	145	127	161	138	2.9	2.1	-7.2	6.6	56	102	137	115	18	-4.8	1.2	-15	-0.01	74	8.6	-0.9	-1.9	1.2	2.1
54	NURQ75	HBR	QMUM13	NURN13	153	128	183	138	-4.2	1.6	-6.2	8.5	62	107	145	130	15	-5.7	0.8	-13	0.03	82	7.8	-2.1	-3.7	1.6	3.1
55	NURQ77	HBR	NURM98	NURM33	128	117	136	123	-3.8	0.1	-5.6	5.9	54	93	123	82	22	-6.0	3.1	30	0.00	69	4.4	-1.0	-1.0	1.4	1.9
56	NURQ85	APR	NORH708	NURG34	147	127	178	131	-5.0	3.6	-2.9	5.3	49	93	123	100	17	-4.7	2.2	6	0.54	68	10.1	-2.4	-3.4	2.1	3.6
57	NURQ87	HBR	USA17328461	NURN43	157	137	173	147	7.1	0.6	-3.3	2.8	54	96	124	103	19	-7.3	3.7	-3	-0.10	69	9.5	-0.1	1.3	1.4	2.5
58	NURQ99	APR	NORH708	NURG115	141	122	181	120	-6.8	-7.4	-1.3	6.2	47	92	114	99	15	-7.0	3.1	-9	0.25	65	7.6	-2.2	-3.2	1.4	4.4
59	NURQ171	HBR	VTMM1425	NURG49	143	124	162	133	7.6	7.0	-5.2	4.3	56	95	127	112	23	-7.6	2.0	16	0.06	73	6.5	-1.2	-1.8	0.2	2.7
60	NURQ175	HBR	VTMM1425	NURN29	154	132	172	144	9.7	8.5	-7.5	3.0	53	96	127	116	22	-8.4	2.6	-6	0.26	69	8.6	-0.3	0.0	0.6	2.4
61	NURQ177	HBR	VTMM1425	NURG49	143	123	161	132	4.2	3.3	-4.7	5.6	55	96	123	110	16	-8.9	1.4	26	0.02	65	3.6	0.5	1.4	-1.0	2.9
62	NURQ81	HBR	NURN68	NURM131	165	130	206	144	-5.3	1.7	-6.1	6.8	58	103	143	133	19	-7.3	4.2	-1	0.92	79	8.1	-1.5	-1.2	1.0	4.2
63	NURQ89	HBR	NURN70	NURN101	145	128	172	129	-0.5	2.9	-5.9	5.2	50	86	109	106	9	-8.8	3.2	36	0.57	69	8.1	-0.6	-2.1	1.8	3.0
64	NURQ91	HBR	DGJG10	NURN23	148	128	177	132	1.6	4.2	-2.4	5.0	55	95	121	109	14	-7.0	2.0	-14	-0.03	69	8.7	-1.1	-1.7	0.0	3.9
65	NURQ101	APR	NORH708	NURL133	137	128	163	123	-2.9	0.9	-0.2	3.5	41	81	95	68	16	-5.0	2.8	8	0.82	49	12.6	-1.0	-2.0	2.1	3.8
66	NURQ107	HBR	NURN44	NURM107	142	124	157	134	3.1	1.3	-4.5	4.5	54	93	125	101	17	-6.9	2.0	0	-0.17	64	4.3	-0.3	0.2	0.6	2.4
	Kilburnie Heifer Average EBVs & Indices				149	129	173	137	1.9	3.3	-4.9	4.6	54	97	127	109	17	-6.8	2.7	4.9	0.28	72	7.5	-1.0	-1.5	1.0	3.0
	1%				160	136	187	147																			
	5%				148	129	170	138																			
	20%				134	121	149	127	1%		8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
	50%				119	111	125	116	25%		5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
									50%		2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

Colour coding for Percentile Distribution of Indices and EBVs

Lot notes:

50 — An impressively high IMF% EBV. If you are breeding bulls to sell then you should be putting more marbling in them. We doubled up on Berkley in this pedigree as he has a very high IMF% EBV.

51 — Again we emphasise the importance of IMF% in any breeding programme. This heifer has the potential to breed progeny with good all round performance.

52 — One of the best Sure Fire calves that we have bred. Very high growth and carcase weight with high marbling to produce bulls to breed the high quality steers that are needed in the long fed market.

53 — The father of this heifer, Clunes Crossing Dusty, has bred very well. This heifer (and her flush sister NURQ75 immediately below) exhibit his best features. Top 20% for all indices. Very high growth with a restrained mature weight. The combination of IMF%, Retail Beef Yield and Days to Calving is pleasing.

54 — This daughter of Dusty has a very good combination of yield and marbling. The growth is such that you will be able to use a lower birth weight bull to produce very well rounded progeny.

55 — This heifer was intentionally bred to combine the exceptional growth coming from Pathfinder Genesis with the low mature weight coming from P A Power Tool. She has early growth in the top quarter of the breed with a mature weight EBV in the bottom quarter of the breed. We need to breed small cows which have small calves that grow very rapidly to sale age.

56 — All indices in the top 20% of the breed. The mother of this heifer bred well for us. She was a seven year old cow when sold PTIC. The mating to the Rennylea bull gave growth and carcase strength. This heifer provides you with the foundation for breeding high performance modern Angus cattle with longevity.

57 — A Sure Fire daughter with all indices in the top 5% of the breed. She has calving ease, growth and fertility. Heifers of this calibre are important if you are to breed progeny with the performance that is being demanded of Angus cattle. A full flush sister to Q71, Lot 52, so that the mating between Sure Fire and NURN43 seems to have worked well.

58 — An absolute delight if you are wanting to breed Angus cattle to meet the highest market standards. There are only 15 other females in the breed with the same or better combination of IMF% and RBY% EBVs. The mother is an older cow that was sold PTIC earlier this year.

59 — Te Mania Morell is a black bull with a red gene. His indices are in the top 1% of the Angus breed. He gave us the opportunity to breed a very high indexing line of red heifers.

60 — This is a very interesting heifer. She is a black animal. Her father is a red gene carrier and her mother is a red cow but she does **not** carry a red gene. She carries a black coat gene and a wild type coat gene and there is a small probability that she may have a red calf. For more detail please contact David Murray in the first instance.

61 — There are only three active red females in the Angus breed with all four indices in the top 20% of the Angus breed. They include this heifer and Q171, (Lot 59) above.

62 — This heifer has El Grando, H P A C Proceed and G A R Prophet in her pedigree. You could breed very high performance progeny from her with the IMF% needed to meet the meat quality standards for the export market.

63 — This grand daughter of Kodak is in the top quarter of the breed on all indices. We would again like to draw your attention to the very special combination of IMF%, RBY% and fertility that we have been breeding into our animals and which you can now access.

64 — Alloura Get Cracking is a high marbling Berkley son. Murray N23 is a Grando daughter. This heifer has the marbling and the growth that we were looking for. Her EBVs are a sound foundation from which to breed high performing progeny.

65 — An absolute delight if you are wanting to breed Angus cattle to meet the highest market standards. There are only 15 females in the breed with the same or higher IMF% and RBY% EBVs.

66 — A grand daughter of the very popular G A R Sure Fire. Indices are all in the top 20% of the breed. Above average growth with moderate birth weight and mature size EBVs.

Lot	Ident	Register	Sire ID	Dam ID	$ Index				Calv Ease		Birth			Growth					Fertility			Other			Carcase			
					ABI	DOM	GRN	GRS	Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
67	NURQ111	HBR	NURN70	NURL119	148	124	171	138	-0.6	3.5	-1.5	5.9	60	106	149	132	19	-4.6	5.1	24	0.16	88	4.7	-1.9	-1.8	0.9	2.7
68	NURQ115	HBR	NURJ136	NURK45	148	130	166	137	2.2	4.3	-5.5	4.5	49	87	116	94	17	-6.7	1.7	-14	0.63	66	11.3	-2.3	-2.5	2.4	2.3
69	NURQ165	HBR	QMUM13	NURK51	170	144	202	151	4.0	7.0	-7.9	5.0	56	94	120	89	20	-9.5	1.8	-5	0.52	68	9.0	-0.9	-1.5	1.4	3.8
70	NURQ169	APR	NXOL99	CXBE63	142	129	159	132	4.9	7.3	-6.3	5.6	51	87	112	83	14	-5.6	1.7	3	0.15	61	9.4	-2.3	-2.4	1.6	2.6
71	NURQ179																										
72	NURQ15	HBR	NURM112	NURN19	150	129	164	139	2.0	7.9	-4.4	5.3	53	88	115	96	13	-9.2	3.2	20	0.16	64	8.0	1.2	1.5	0.7	2.4
73	NURQ67	HBR	NURN44	NURN35	142	123	160	132	9.1	7.2	-5.5	2.2	46	85	114	90	14	-8.8	3.7	14	-0.02	56	1.3	0.8	0.4	-0.1	2.6
74	NURQ79	HBR	WWEL115	NURN97	140	123	160	129	2.2	0.0	-3.8	4.6	46	87	113	73	23	-6.5	4.1	-12	0.75	53	6.4	-0.8	-0.3	0.6	3.2
75	NURQ93	HBR	NURN70	NURN63	139	117	165	124	10.4	7.7	-5.7	2.4	42	80	106	95	14	-8.3	3.7	9	0.56	64	2.9	1.8	0.5	-1.1	3.8
76	NURQ109	HBR	NURN70	NURN29	150	133	167	141	-0.3	3.9	-5.9	5.5	62	103	141	140	15	-5.3	5.2	5	0.14	86	10.1	-2.8	-4.0	3.7	1.4
77	NURQ113	HBR	NURN70	NURN71	160	139	187	146	5.3	3.4	-7.7	3.5	53	95	123	101	16	-6.7	3.5	24	0.91	77	9.9	-0.7	-1.6	1.6	3.3
78	NURQ123	HBR	NURJ136	NURL1	140	126	160	128	1.5	8.8	-5.9	4.8	47	84	111	89	14	-6.8	2.2	18	-0.09	60	5.7	-3.0	-2.9	2.1	2.4
79	NURQ125	HBR	NURN68	NURH99	146	123	175	128	1.0	4.8	-6.6	3.1	48	83	108	97	18	-8.7	3.2	-	0.87	67	7.7	0.2	-0.4	0.0	4.1
80	NURQ163	HBR	VTMZ1023	NURH51	130	116	147	121	1.5	2.4	-10.9	5.5	48	89	114	114	12	-7.3	3.1	11	0.19	55	4.4	0.3	0.9	-0.2	2.6
81	NURQ173	HBR	VTMZ1023	NURH51	122	111	140	111	5.5	4.2	-4.6	1.8	33	72	88	62	22	-6.5	2.7	11	0.79	43	5.2	1.3	1.1	-1.0	3.7
	Kilburnie Heifer Average EBVs & Indices				149	129	173	137	1.9	3.3	-4.9	4.6	54	97	127	109	17	-6.8	2.7	4.9	0.28	72	7.5	-1.0	-1.5	1.0	3.0

Lot 67 — Top 20% for all indices. Very high growth but not an excessive birth weight EBV. Carcase EBVs that provide the foundation for breeding high carcase quality animals.

Lot 68 — Out of a cow that bred very well for us by our own Grando son, NUR J136, that performed so well in Cohort 6 of the Angus Sire Benchmark Programme. Moderate birth weight and mature size with better than average growth. A useful combination of yield and IMF%

Lot 69 — This heifer is the succesful result of a very intentional mating. Look at the growth curve, the fertility and carcase EBVs. A foundation from which to breed very good progeny.

Lot 70 — A heifer that could make a contribution to most breeding programmes. She has an outcross pedigree that would give you a lot of choice in your mating decisions.

Lot 71 — *Information not currently available.*

Lot 72 — Natural first calf out of a maiden heifer with an exceptional days to calving EBV. Out of a Rennylea Kodak daughter going back to a very productive older cow. In the top 10% of the breed on all indices. This heifer could be a very useful addition to most programmes.

Lot 73 — This heifer has the sort of growth curve that you should be breeding into your cattle. The IMF% EBV provides the foundation for you to add carcase performance to this package. Again the first calf of a very sound heifer.

Lot 74 — This heifer has the exceptional growth curve that we associate with the grandfather Ayrvale General G18. IMF% in the top 10 % of the breed. All indices in the top 20% of the Angus breed.

Lot 75 — Marbling, calving ease and fertility. Join to a bull with growth and you get a very saleable product.

Lot 76 — A very high performance pedigree going back to our Grando and Rennylea Kodak. High growth EBVs together with carcase weight, eye muscle area and meat yield.

Lot 77 — Another heifer from a natural mating of a maiden heifer. Calving ease, growth and superior carcase EBVs.

Lot 78 — Top 20% all indices. Extreme calving ease and good carcase EBVs. A sound heifer to add to a breeding programme.

Lot 79 — The mother of this heifer bred very well for us. The father, N68, is a Proceed son out of a Grando daughter. A high marbling heifer that could be expected to breed marbling into her progeny.

Lot 80 — A red heifer. A full flush sister to Q173 with the same Te Mania breeding.

Lot 81 — This red heifer is by Te Mania Red Label out of a Te Mania Daiquiri daughter. She has an exceptionally high IMF% EBV for a red Angus.

Colour coding for Percentile Distribution of Indices and EBVs

	ABI	DOM	GRN	GRS			Dir	Dtrs	GL	BWT	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
1%	160	136	187	147		1%	8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
5%	148	129	170	138																					
20%	134	121	149	127		25%	5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
50%	119	111	125	116		50%	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

Lot 1 - 3: Three Older Bulls

The three bulls listed as Lots 1, 2 and 3 have been used by us in our breeding programme. The two Kilburnie bulls were our selection from our 2017 and 2018 calf drops. NURN70 had calves born in 2019 and all three will have calves born this year from cows that we have sold. We were satisfied that they had the combination of performance and other attributes to justify their use.

Lot 2 is an outside bred, rising three year old bull that we purchased for his very high structural EBVs (also actual structure) and his outcross pedigree.

LOT 1   MURRAY KODAK N70^{PV}   **IDENT: NURN70   GRADE: HBR   BORN: 18/08/2017**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA EDMUND E11^{PV}
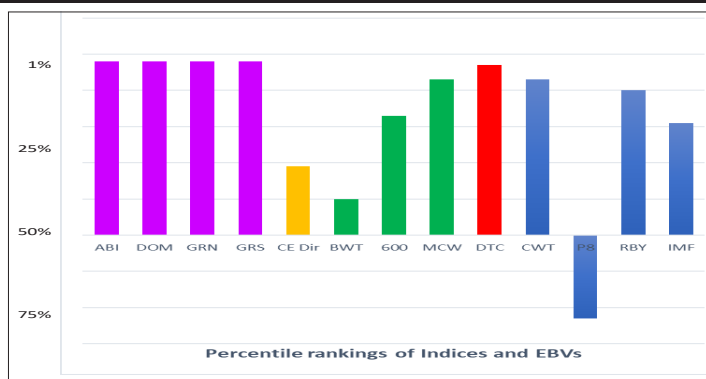**SIRE: RENNYLEA KODAK K522^{SV}**
RENNYLEA EISA ERICA F810$^{#}$

GARDENS WAVE#
DAM: MURRAY WAVE J53^{PV}
TE MANIA QUEANBEYAN D113^{PV}

Traits observed: *BWT,200WT(x2),400WT(x2),600WT,SC,Scan(EMA,Rib,Rump,IMF),DOC, Structure(FA,FC,RA,RH,RS),Genomics*

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$159	Domestic Index +$133	Heavy Grain Index +$186	Heavy Grass Index +$144
Percentile	2	2	2	2

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.8	+5.2	-5.6	+4.0	+54	+93	+127	+127	+15
Acc	67%	55%	80%	85%	80%	77%	77%	73%	65%
Percentile	32	26	29	43	15	24	17	8	66

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.5	+5.5	+12	+0.36	+79	+7.6	-0.3	-1.2	+1.6	+2.8
47%	74%	77%	59%	71%	65%	69%	66%	67%	65%
3	1	29	76	7	18	54	73	10	19

Notes: We have used this bull in our herd for the last two years. He has progeny in the Angus Sire Benchmarking Program. He is not only a high performance bull but he is also a relatively high accuracy bull.

Purchaser ....$...................................

LOT 2

SIRE:

DAM:

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
Percentile				

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV									
Acc									
Percentile									

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF

Notes: Information not currently available.

Purchaser ....$...................................

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET SV
SIRE: TE MANIA LONGSHOT L107 SV
TE MANIA BARUNAH J1125 #

MURRAY POWER TOOL K22PV
DAM: MURRAY M POWERTOOL M81 PV
MURRAY REGENT K31 PV

SELECTION INDEXES

Selection Index	Angus Breeding Index +$163	Domestic Index +$135	Heavy Grain Index +$193	Heavy Grass Index +$147
Percentile	1	2	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.6	+7.3	-5.4	+0.6	+54	+101	+133	+89	+24
Acc	55%	49%	84%	73%	67%	67%	68%	66%	57%
Percentile	4	11	32	2	17	9	10	68	5

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.8	+0.2	+8	+0.44	+78	+5.5	+0.2	-0.8	-1.1	+4.4
	41%	61%	53%	49%	61%	57%	62%	59%	60%	57%
	16	98	39	84	8	52	37	61	96	1

Percentile rankings of Indices and EBVs
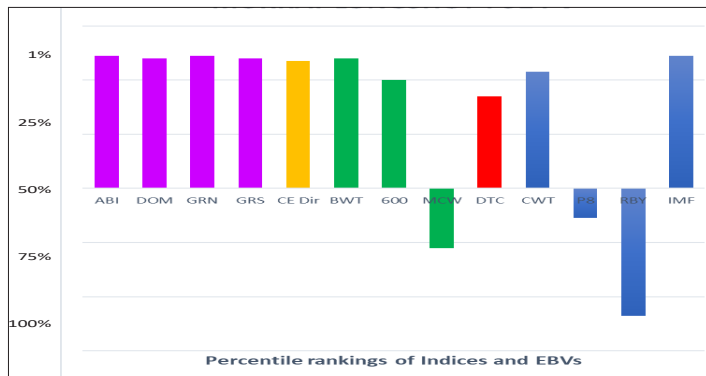
Traits observed: GL,CE,BWT,200WT(x2),400WT,DOC,Genomics

Notes: We have preached the importance of marbling to you for some years now. We have gradually been putting more emphasis on it and last year used this high marbling young bull in our pogramme. In addition the very marked growth curve and the Days to Calving EBVs are important.

Purchaser .... $ ....

Lot 4 - 26: Yearling Bulls

In recent years we have retained and sold more than 50 bulls each year, mostly from the Kilburnie herd at Straban. For a variety of reasons we reduced the number of yearling bulls that we retained from our 2019 drop of calves. As compared to previous years we placed more emphasis on calving ease, birth weight and marbling. We retained some outstanding high performance bulls.

We anticipated that with the restocking that will occur this year, and in the next few years, there would be a significant need for bulls with high performance and calving ease.

We had already decided that there will be an inevitable move to payment on carcase merit (in addition to weight) and believe that the MSA Index will be used as a basis for calculating premiums. For this reason the bulls have (on average) very high IMF% EBVs.

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK #
SIRE: G A R SCALE HOUSE PV
G A R 5050 NEW DESIGN 1039 #

GARDENS WAVE #
DAM: MURRAY WAVE J53 PV
TE MANIA QUEANBEYAN D113 PV

SELECTION INDEXES

Selection Index	Angus Breeding Index +$162	Domestic Index +$150	Heavy Grain Index +$181	Heavy Grass Index +$152
Percentile	1	1	2	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.8	+7.5	-7.0	+3.7	+60	+103	+129	+105	+14
Acc	55%	46%	66%	73%	67%	66%	66%	64%	60%
Percentile	39	10	13	35	3	7	14	35	75

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.8	+2.8	+7	-0.01	+76	+11.1	-2.4	-4.4	+3.8	+1.8
	38%	60%	53%	46%	61%	57%	60%	57%	57%	57%
	16	14	43	27	11	2	97	99	1	52

Percentile rankings of Indices and EBVs
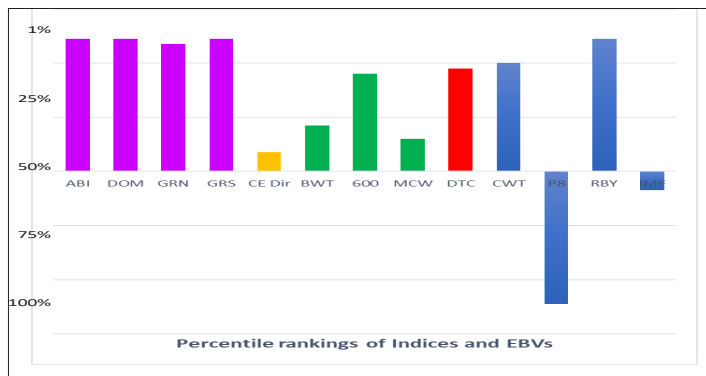
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A calving ease bull with all indices in the top 5% of the breed. As with all the Scale House sons you should note the fertility, the EMA and RBY% EBVs.

Purchaser .... $ ....

LOT 5   MURRAY SCALEHOUSE Q8^{PV}   IDENT: NURQ8   GRADE: HBR   BORN: 8/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
**SIRE: G A R SCALE HOUSE^{PV}**
    G A R 5050 NEW DESIGN 1039#
    H P C A PROCEED^{PV}
DAM: MURRAY PROCEED M3^{PV}
    MURRAY WAVE J43^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$159	Domestic Index +$139	Heavy Grain Index +$184	Heavy Grass Index +$148
Percentile	2	1	2	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.8	+6.3	-7.2	+4.0	+62	+110	+146	+133	+17
Acc	55%	46%	65%	72%	67%	65%	65%	63%	59%
Percentile	39	18	11	43	2	2	3	5	50

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.1	+2.3	+9	+0.20	+83	+7.5	-2.2	-3.1	+1.8	+2.8
	35%	59%	51%	47%	61%	56%	60%	56%	57%	56%
	64	29	36	55	3	19	96	97	7	19

Percentile rankings of Indices and EBVs
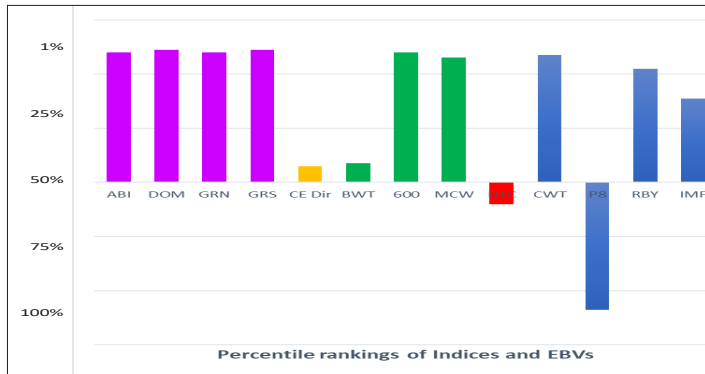
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A very high growth rate bull but with breed average birthweight. He should be safe to use over well grown heifers and the calves will be stand outs. The mother is by the very high marbling American sire HPCA Proceed.
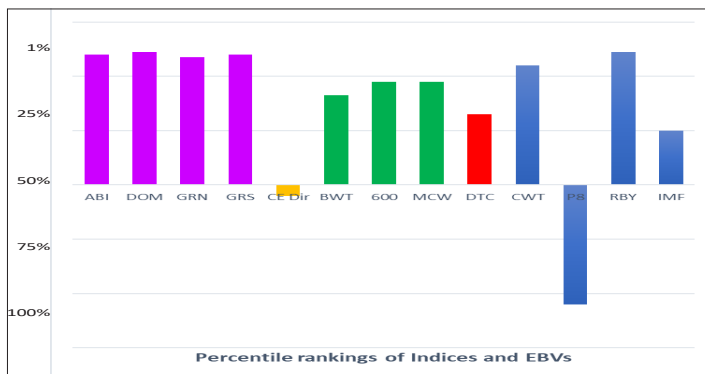
Purchaser .... $ ....

LOT 6   MURRAY SCALEHOUSE Q12^{PV}   IDENT: NURQ12   GRADE: HBR   BORN: 12/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
    G A R 5050 NEW DESIGN 1039#
    GARDENS WAVE#
DAM: MURRAY WAVE J53^{PV}
    TE MANIA QUEANBEYAN D113^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$157	Domestic Index +$144	Heavy Grain Index +$178	Heavy Grass Index +$146
Percentile	2	1	3	2

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.2	+4.1	-5.7	+2.8	+61	+105	+130	+121	+13
Acc	55%	46%	66%	73%	67%	66%	66%	64%	60%
Percentile	51	37	28	17	3	5	12	12	78

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.2	+3.5	-3	-0.06	+80	+10.4	-1.7	-2.7	+2.7	+2.4
	38%	60%	53%	46%	61%	57%	60%	57%	57%	57%
	25	4	76	22	6	3	91	95	1	29

Percentile rankings of Indices and EBVs

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: One of four flush brothers in this sale. Scale House had a major impact on our breeding programme. The mother of these calves bred very well for us over the years. The calves have growth, calving ease and the very good carcase EBVs we would expect from the Gardiner Angus Program.
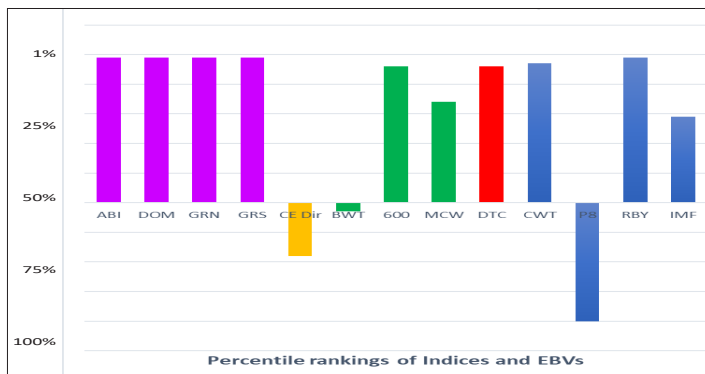
Purchaser .... $ ....

LOT 7   MURRAY SCALEHOUSE Q16^{PV}   IDENT: NURQ16   GRADE: HBR   BORN: 13/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
    G A R 5050 NEW DESIGN 1039#
    GARDENS WAVE#
DAM: MURRAY WAVE J53^{PV}
    TE MANIA QUEANBEYAN D113^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$182	Domestic Index +$157	Heavy Grain Index +$211	Heavy Grass Index +$165
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.2	+5.6	-4.2	+4.4	+64	+114	+143	+119	+14
Acc	55%	46%	66%	73%	67%	66%	66%	64%	59%
Percentile	67	23	53	53	1	1	3	15	77

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.2	+3.8	+10	+0.17	+84	+12.1	-1.4	-2.3	+3.0	+2.7
	38%	60%	52%	46%	61%	56%	60%	57%	57%	56%
	5	2	34	51	3	1	86	92	1	21

Percentile rankings of Indices and EBVs

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A full brother to the previous bull. More growth and a little bit less calving ease. The combination of marbling, meat yield and fertility is another example of the resolution of the antagonisms between fertility and carcase traits.
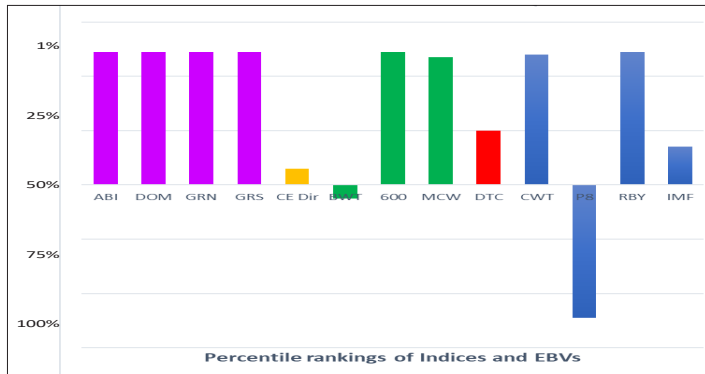
Purchaser .... $ ....

LOT 8   MURRAY SCALEHOUSE Q18^{PV}   IDENT: NURQ18   GRADE: HBR   BORN: 14/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
    G A R 5050 NEW DESIGN 1039#

    AYRVALE BARTEL E7PV
DAM: MURRAY BARTEL M17^{PV}
    MURRAY OBJECTIVE G81^{PV}

Traits observed: BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES

Selection Index	Angus Breeding Index +$172	Domestic Index +$150	Heavy Grain Index +$195	Heavy Grass Index +$161
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.4	+5.4	-5.1	+4.5	+71	+118	+156	+138	+17
Acc	56%	48%	66%	73%	67%	66%	66%	64%	60%
Percentile	42	25	37	55	1	1	1	3	44

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-5.5	+2.3	+8	+0.12	+86	+9.3	-2.9	-3.6	+2.9	+2.2
	40%	60%	52%	48%	62%	58%	62%	58%	59%	58%
	37	29	40	44	2	6	99	99	1	36

Notes: The mother of this bull is one of our highest performing Bartel E7 daughters. The waste (body) fat has been stripped off BUT the taste fat (IMF%) and the fat required for ferility (DTC) seem to still be there.
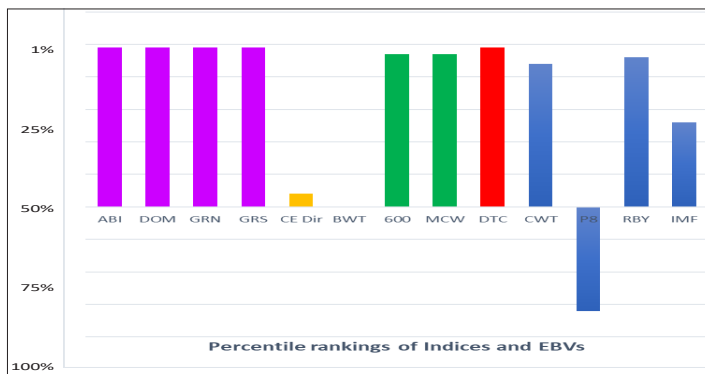
Purchaser ....$......................................

LOT 9   MURRAY SCALEHOUSE Q26^{PV}   IDENT: NURQ26   GRADE: HBR   BORN: 15/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
    G A R 5050 NEW DESIGN 1039#

    MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO J105^{SV}
    MURRAY REGENT G101#

Traits observed: BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES

Selection Index	Angus Breeding Index +$178	Domestic Index +$145	Heavy Grain Index +$208	Heavy Grass Index +$160
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.1	+7.1	-6.1	+4.3	+62	+107	+146	+141	+19
Acc	55%	47%	66%	74%	68%	66%	66%	64%	60%
Percentile	44	12	22	50	2	3	3	3	28

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-10.0	+4.4	-3	+0.08	+79	+8.5	-0.6	-1.8	+2.0	+2.6
	38%	60%	53%	47%	62%	57%	61%	57%	58%	57%
	1	1	78	39	7	10	64	85	5	24

Notes: Grando J105 is a cow that made a major contribution to our herd. This son of hers by Scale House has an impeccable set of figures. We would particularly want you to notice the Days to Calving EBV - it is exceptional.

Purchaser ....$......................................

LOT 10   MURRAY SCALEHOUSE Q30^{PV}   IDENT: NURQ30   GRADE: HBR   BORN: 20/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
    G A R 5050 NEW DESIGN 1039#

    H P C A PROCEEDPV
DAM: MURRAY PROCEED M3^{PV}
    MURRAY WAVE J43^{PV}

Traits observed: BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES

Selection Index	Angus Breeding Index +$162	Domestic Index +$145	Heavy Grain Index +$192	Heavy Grass Index +$148
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-7.3	+0.8	-0.6	+6.4	+68	+119	+149	+112	+20
Acc	55%	47%	66%	72%	67%	65%	65%	63%	59%
Percentile	94	67	95	91	1	1	2	22	20

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-3.9	+2.9	+7	+0.22	+86	+10.2	-3.9	-4.2	+3.2	+3.3
	35%	60%	52%	47%	61%	57%	61%	57%	58%	57%
	68	11	44	58	2	3	99	99	1	9
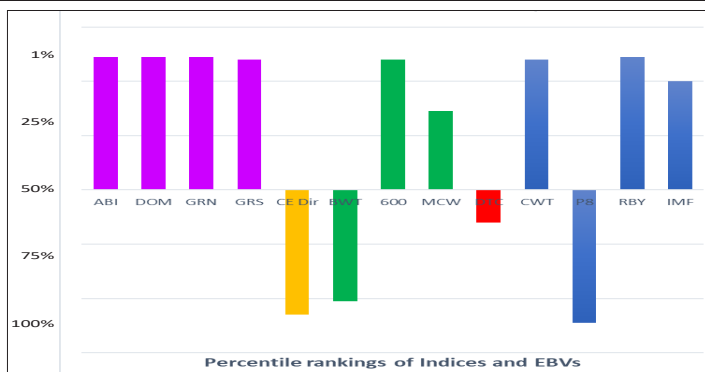
Notes: The combination of IMF% and RBY EBVs makes this a very special bull. It has taken us many years to get this combination into our animals. You can get there in one step with this outcross pedigree.

Purchaser ....$......................................

Lots 5, 10 and 13, NURQ8, Q30 and Q10 (and Lot 33, NURQ21 - their flush sister).

The father of these animals is G A R Scale House. Their donor mother is a daughter of H P C A Proceed. Scale House and Proceed are two very high performance bulls.

Scale House has a very desirable growth curve (moderate birth weight, extreme growth and moderate mature weight for his early growth). His EBVs for carcase weight and meat yield are very high. Proceed has been one of the highest IMF% (EBV of 4.9 currently) animals in Australia for some time.

Yield from Scale House and IMF% from Proceed has produced some remarkable combinations of retail beef yield and IMF%. In particular, Q10 and Q21 are exceptional animals.


LOT 11   MURRAY H708 Q50^{PV} → **LOT 11   MURRAY H708 Q50**^{PV} **IDENT: NURQ50   GRADE: APR   BORN: 3/08/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511^{PV}
SIRE: RENNYLEA H708^{PV}
RENNYLEA E176^{PV}
A A R TEN X 7008 S ASV
DAM: MURRAY TEN X J93^{SV}
MURRAY DIPLOMAT G114$^{\#}$

Traits observed: GL,BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$161	Domestic Index +$137	Heavy Grain Index +$192	Heavy Grass Index +$147
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-4.5	+1.9	-3.4	+4.7	+56	+108	+141	+114	+18
Acc	58%	52%	83%	74%	69%	69%	70%	69%	64%
Percentile	87	58	67	60	11	3	4	21	34

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.3	+2.3	+11	+0.74	+75	+9.8	-1.5	-1.6	+1.7	+3.6
	48%	64%	60%	59%	66%	64%	68%	65%	66%	64%
	60	29	31	98	14	4	88	82	8	5
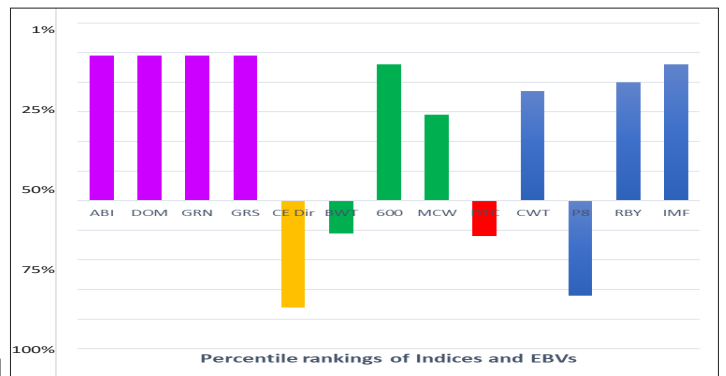
Notes: This bull has exceptional indices and EBVs. The combination of meat yield and IMF% should be noted. When producers are paid for carcase quality and meat yield you will appreciate the value of this bull and his progeny.
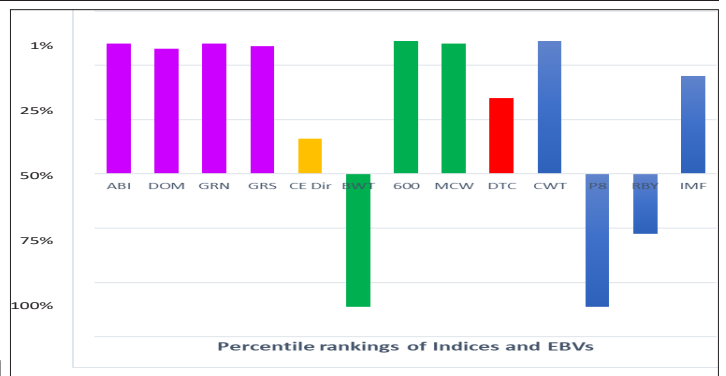
Purchaser .... $ ....

LOT 12   MURRAY LEADING EDGE Q52^{PV} **IDENT: NURQ52   GRADE: HBR   BORN: 5/08/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET^{SV}
SIRE: TOPBOS LEADING EDGE L292^{PV}
STRATHEWEN BERKLY BLACKBIRD F04^{PV}
WK REPLAY$^{\#}$
DAM: MURRAY REPLAY L33^{PV}
MURRAY BERKLEY G32^{SV}

Traits observed: GL,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$155	Domestic Index +$131	Heavy Grain Index +$185	Heavy Grass Index +$141
Percentile	2	3	2	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.5	+5.0	-4.0	+7.8	+66	+115	+154	+141	+17
Acc	57%	51%	83%	71%	70%	69%	70%	67%	60%
Percentile	41	28	56	99	1	1	1	3	44

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.7	+1.4	+20	+0.23	+90	+3.2	-1.6	-3.6	+0.0	+3.0
	44%	66%	59%	58%	63%	62%	66%	63%	63%	62%
	18	73	11	60	1	88	89	99	72	14

Notes: This bull has a very high growth rate and should produce calves that grow well. His marbling is in the top 5% of the breed and his calves will command a premium when marbling is paid for.
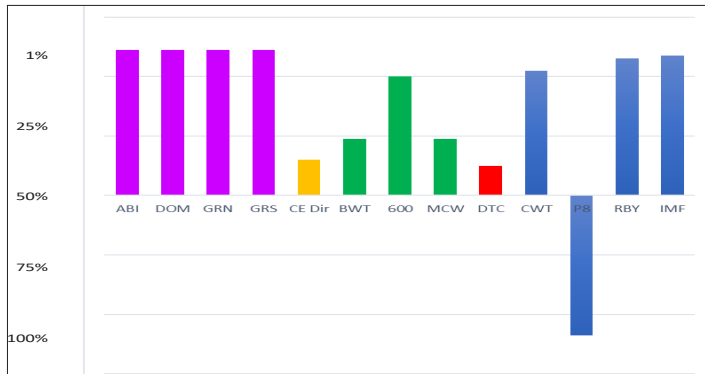
Purchaser .... $ ....

LOT 13   MURRAY SCALEHOUSE Q10^PV   IDENT: NURQ10   GRADE: HBR   BORN: 11/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK^#
SIRE: G A R SCALE HOUSE^PV
    G A R 5050 NEW DESIGN 1039^#

H P C A PROCEED^PV
DAM: MURRAY PROCEED M3^PV
    MURRAY WAVE J43^PV

SELECTION INDEXES

Selection Index	Angus Breeding Index +$168	Domestic Index +$148	Heavy Grain Index +$201	Heavy Grass Index +$151
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.0	+7.9	-4.8	+3.5	+60	+105	+132	+106	+21
Acc	55%	47%	66%	72%	67%	65%	66%	63%	59%
Percentile	38	8	42	30	4	5	10	33	13

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-5.3	+3.1	+7	+0.42	+78	+9.7	-1.9	-3.2	+2.1	+3.9
	35%	60%	52%	47%	61%	57%	61%	57%	58%	57%
	41	8	44	82	8	5	93	98	4	3

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: In the top 1% of the breed on all four indices. A full brother to Lot 10. He has an exceptional combination of IMF% and meat yield with growth and calving ease.

Purchaser ....$.....................................

LOT 14   MURRAY SURE FIRE Q36^PV   IDENT: NURQ36   GRADE: HBR   BORN: 1/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

CONNEALY IN SURE 8524^#
SIRE: G A R SURE FIRE^SV
    CHAIR ROCK 5050 G A R 8086^#

MURRAY GRANDO J136PV
DAM: MURRAY M GRANDO N65^PV
    MURRAY THUNDERBIRD K17^PV

Percentile rankings of Indices and EBVs

SELECTION INDEXES

Selection Index	Angus Breeding Index +$156	Domestic Index +$139	Heavy Grain Index +$173	Heavy Grass Index +$145
Percentile	2	1	4	2

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.4	+6.8	-4.7	+2.3	+52	+92	+115	+87	+22
Acc	59%	51%	82%	73%	69%	69%	70%	67%	63%
Percentile	7	14	44	11	27	29	42	71	10

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.7	+4.6	-8	-0.03	+64	+9.1	-0.6	+0.4	+1.6	+2.7
	43%	64%	56%	58%	66%	64%	68%	65%	67%	64%
	8	1	89	25	49	7	64	26	10	21
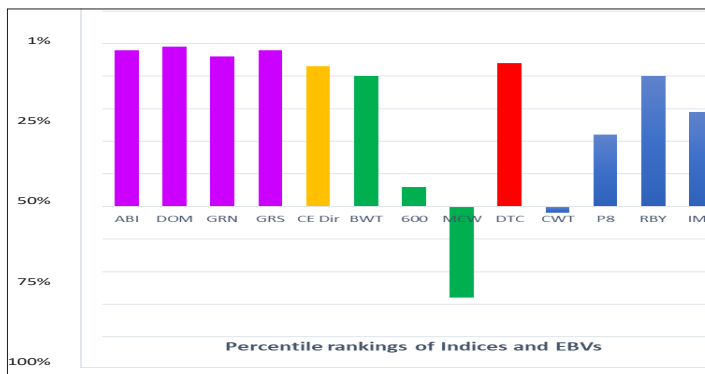
Traits observed: GL,CE,BWT,200WT(x2),DOC,Genomics

Notes: This son of a maiden heifer is ideally suited to be used over your heifers. They should be your genetically most advanced animals and when joined to this high performance bull will produce some very valuable daughters.

Purchaser ....$.....................................

LOT 15   MURRAY GET CRACKING G10 Q44^PV   IDENT: NURQ44   GRADE: HBR   BORN: 2/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1^SV
SIRE: ALLOURA GET CRACKING G10^SV
    ALLOURA JEDDA Z15^#

MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO N47^PV
    MURRAY OBJECTIVE G81^PV

Percentile rankings of Indices and EBVs

SELECTION INDEXES

Selection Index	Angus Breeding Index +$147	Domestic Index +$129	Heavy Grain Index +$175	Heavy Grass Index +$132
Percentile	6	5	4	11

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.5	+9.3	-3.6	+0.8	+40	+76	+93	+70	+16
Acc	59%	52%	82%	73%	69%	69%	69%	67%	62%
Percentile	15	4	64	2	88	84	90	93	53

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.2	+0.8	-5	+0.56	+57	+12.9	-0.4	-0.5	+0.1	+4.5
	46%	65%	59%	58%	66%	63%	68%	64%	64%	64%
	25	91	82	92	78	1	58	52	68	1
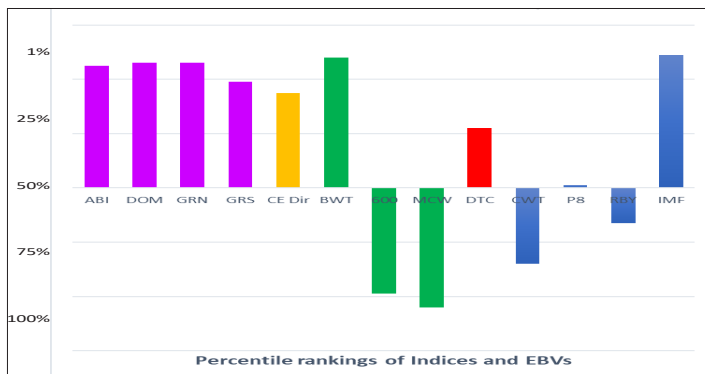
Traits observed: GL,CE,BWT,200WT(x2),DOC,Genomics

Notes: A very high IMF% bull with a very low birthweight. Suitable over heifers and will put marbling into your herd.

Purchaser ....$.....................................

LOT 16   MURRAY H708 Q48^{PV}   IDENT: NURQ48   GRADE: APR   BORN: 3/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511^{PV}
SIRE: RENNYLEA H708^{PV}
RENNYLEA E176^{PV}

B/R AMBUSH 28#
DAM: TUWHARETOA E105^{SV}
TUWHARETOA A52^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$141	Domestic Index +$121	Heavy Grain Index +$184	Heavy Grass Index +$120
Percentile	11	18	2	36

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.3	+3.7	-3.4	+4.3	+44	+81	+106	+86	+10
Acc	60%	55%	83%	75%	71%	70%	71%	70%	66%
Percentile	68	41	67	50	72	67	68	74	94

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.6	+0.7	-8	+0.60	+60	+6.3	-1.4	-3.9	+0.2	+5.4
	51%	66%	61%	61%	68%	65%	70%	66%	68%	66%
	54	93	88	94	67	37	86	99	63	1

Percentile rankings of Indices and EBVs
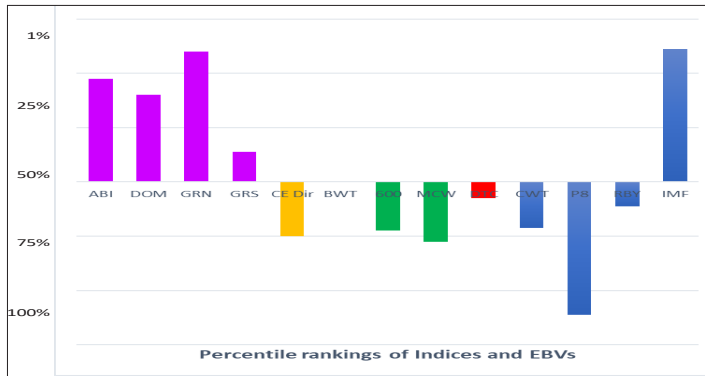
Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: This is the highest IMF% bull that we have bred. His mother is an older B/R Ambush 28 daughter that we bought at the Tuwharetoa dispersal sale. She bred very well for us producing 9 natural and 2 embryo calves.

Purchaser ....$...

LOT 17   MURRAY GENERAL L115 Q56^{PV}   IDENT: NURQ56   GRADE: HBR   BORN: 14/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE GENERAL G18^{PV}
SIRE: ESSLEMONT GENERAL L115^{PV}
ESSLEMONT HAYLEY H4^{SV}

MURRAY G24 K118PV
DAM: MURRAY K118 N97^{PV}
MURRAY POWER TOOL K65^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$153	Domestic Index +$135	Heavy Grain Index +$174	Heavy Grass Index +$142
Percentile	3	2	4	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.1	+5.4	-7.6	+3.3	+50	+94	+125	+82	+24
Acc	54%	47%	65%	73%	67%	66%	67%	63%	57%
Percentile	17	25	8	26	36	23	20	80	4

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-5.9	+2.6	-12	+0.44	+69	+7.9	-2.8	-3.1	+2.0	+2.6
	38%	58%	53%	48%	60%	55%	61%	58%	58%	56%
	30	19	95	84	29	15	99	97	5	24

Percentile rankings of Indices and EBVs
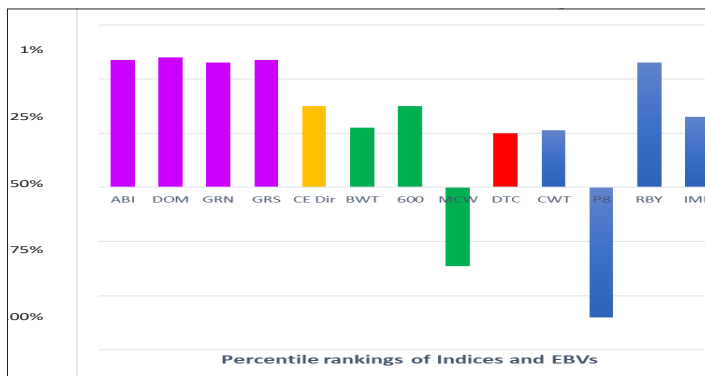
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: We have been very happy with the progeny of L115. This son of his has all indices in the top 5% of the breed with moderate birth weight plus high growth and carcase weight EBVs. Strongly recommended for heifers.

Purchaser ....$...

LOT 18   MURRAY SCALEHOUSE Q60^{PV}   IDENT: NURQ60   GRADE: HBR   BORN: 17/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
G A R 5050 NEW DESIGN 1039#

MURRAY G24 K118PV
DAM: MURRAY K118 N111^{PV}
MURRAY M TEN X L145^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$159	Domestic Index +$142	Heavy Grain Index +$179	Heavy Grass Index +$147
Percentile	2	1	3	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.8	+7.2	-8.9	+3.3	+58	+105	+132	+111	+19
Acc	52%	43%	64%	72%	64%	63%	64%	61%	55%
Percentile	25	12	3	26	6	5	11	24	31

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.7	+2.6	-2	-0.06	+77	+5.4	-1.2	-1.4	+1.5	+2.4
	34%	56%	44%	43%	58%	53%	58%	54%	55%	54%
	8	19	74	22	9	54	81	77	12	29

Percentile rankings of Indices and EBVs
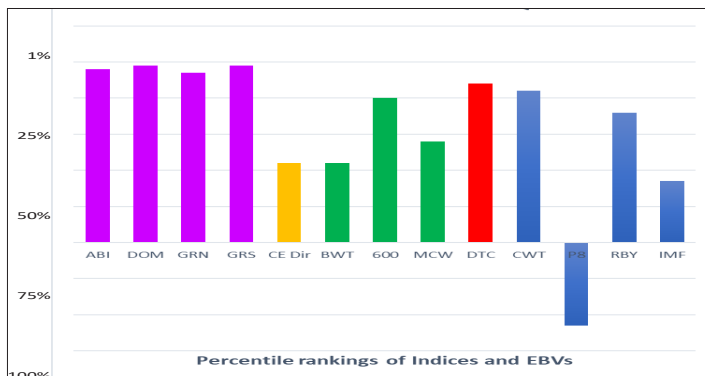
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A very high fertility Scale House son ideally suited for use over heifers. The mother goes back to a line of low birth weight bulls.

Purchaser ....$...

LOT 19   MURRAY PROCEED N68 Q76^{PV}   IDENT: NURQ76   GRADE: HBR   BORN: 2/09/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

H P C A PROCEED^{PV}
**SIRE: MURRAY PROCEED N68^{PV}**
   MURRAY GRANDO J105^{SV}

   AYRVALE BARTEL E7PV
DAM: MURRAY BARTEL M205^{PV}
   MURRAY G24 K1^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$154	Domestic Index +$131	Heavy Grain Index +$173	Heavy Grass Index +$142
Percentile	3	3	4	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.5	+7.7	-5.1	+1.5	+47	+90	+114	+77	+27
Acc	53%	48%	60%	70%	64%	63%	64%	63%	57%
Percentile	6	9	37	4	52	36	45	87	1

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-9.2	+3.1	+24	+0.78	+70	+7.3	+1.2	+2.1	-0.7	+3.4
	40%	58%	50%	49%	59%	55%	61%	57%	58%	56%
	2	8	6	98	25	22	13	4	91	7
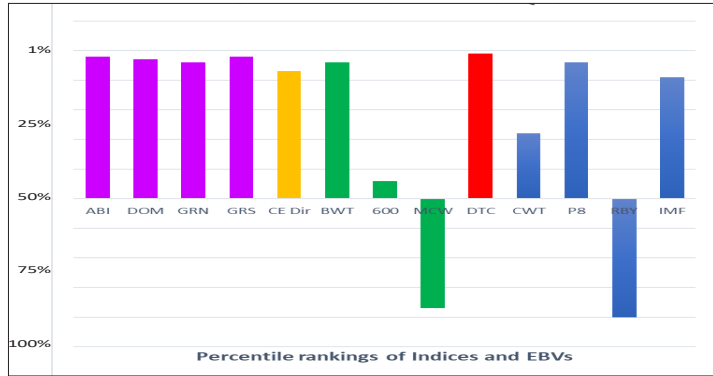
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: An extreme calving ease bull with all indices in the top 5% of the breed. Note the high growth EBV but low mature weight. His father was by the very high marbling HPAC Proceed out of our cow J105 that bred so well for us.

Purchaser ....$...

LOT 20   MURRAY MORELL RED Q160 (RED)^{SV}   IDENT: NURQ160   GRADE: HBR   BORN: 12/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU,RGA

   AYRVALE BARTEL E7^{PV}
SIRE: TE MANIA MORELL M1425^{PV}
   TE MANIA MITTAGONG J124^{SV}

   TE MANIA RED LABEL Z1023 (RED)PV
DAM: MURRAY BLACK LABEL G49^{SV}
   MURRAY 1407 Y6^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$125	Domestic Index +$115	Heavy Grain Index +$130	Heavy Grass Index +$119
Percentile	37	36	43	39

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+11.2	+9.1	-5.3	+1.3	+40	+77	+96	+68	+23
Acc	55%	50%	66%	67%	65%	65%	65%	63%	59%
Percentile	3	4	34	4	89	80	86	94	6

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.6	-0.1	+25	+0.39	+51	+4.8	+0.5	+1.2	-0.6	+2.2
	41%	62%	54%	52%	60%	57%	62%	59%	59%	57%
	3	99	5	79	91	65	28	11	90	36
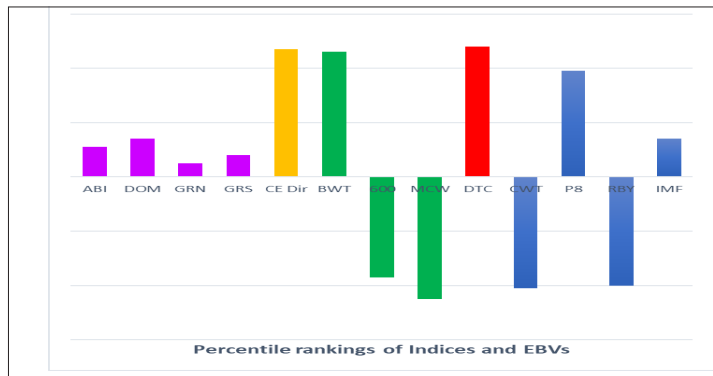
Traits observed: 200WT,400WT,DOC,Genomics

Notes: A red bull. His father is one of the highest indexing bulls with a red gene. His mother (also black with a red gene) bred very well for us over the years.

Purchaser ....$...

LOT 21   HIGHRENT F1023 Q8^{SV}   IDENT: DOJQ8   GRADE: APR   BORN: 20/07/2019

GENETIC STATUS: AMF,CAF,DDF,NHF

   TE MANIA BERKLEY B1^{SV}
SIRE: HAZELDEAN F1023^{SV}
   HAZELDEAN B723[#]

   MURRAY M TEN X L114#
DAM: HIGHRENT L114 N157[#]
   HIGHRENT K228[#]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$132	Domestic Index +$118	Heavy Grain Index +$149	Heavy Grass Index +$124
Percentile	24	26	20	26

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+6.5	+4.7	-5.8	+3.9	+47	+85	+111	+90	+15
Acc	52%	46%	83%	71%	66%	65%	67%	62%	55%
Percentile	21	31	26	40	55	53	55	66	69

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.8	+2.2	-	+0.83	+69	+9.0	+1.3	-0.7	-0.3	+3.2
	40%	58%	-	53%	62%	58%	64%	60%	60%	59%
	50	33	-	99	29	7	12	58	82	10
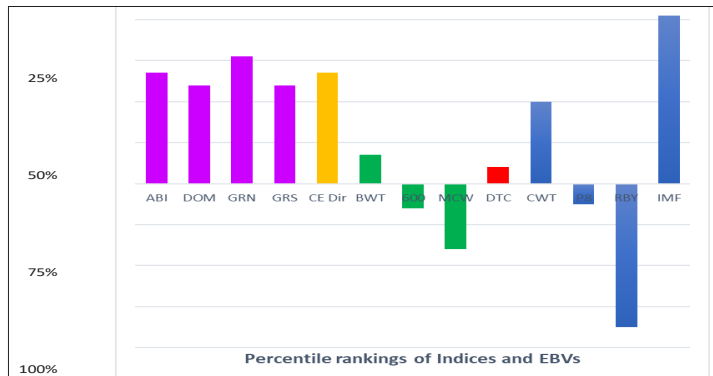
Traits observed: GL,BWT,200WT,Genomics

Notes: A good balance of marbling with the other traits. Safe to use over heifers.

Purchaser ....$...

Six Highrent Bulls

Lots 21 to 27 are bulls that we had bred for us to specifically meet the demand for low birthweight, high marbling bulls. These bulls are out of selected Highrent cows that are daughters of Kilburnie bulls or recognized AI sires. Lot 23 is perhaps the only one of these six bulls that you might hesitate to use over smaller heifers.

Highrent have retained the sisters of these bulls and these will form a nucleus of high marbling animals for them.

LOT 22   HIGHRENT F1023 Q16 SV   **IDENT: DOJQ16   GRADE: APR   BORN: 23/07/2019**

GENETIC STATUS: AM2%,CA2%,DDFU,NH2%

TE MANIA BERKLEY B1 SV
**SIRE: HAZELDEAN F1023** SV
    HAZELDEAN B723 #

    MURRAY POWER TOOL K22PV
**DAM: HIGHRENT K22 N13** #
    HIGHRENT H32 L101 #

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$123	Domestic Index +$112	Heavy Grain Index +$142	Heavy Grass Index +$115
Percentile	41	46	28	50

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+8.1	+5.7	-4.0	+2.1	+41	+74	+97	+60	+18
Acc	53%	45%	84%	73%	66%	66%	67%	63%	56%
Percentile	12	22	56	9	85	88	84	98	41

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-2.9	+1.5	-	+0.63	+54	+8.9	+1.1	-0.6	-0.9	+4.2
	41%	60%	-	53%	62%	59%	64%	61%	60%	59%
	83	68	-	95	86	8	15	55	94	2
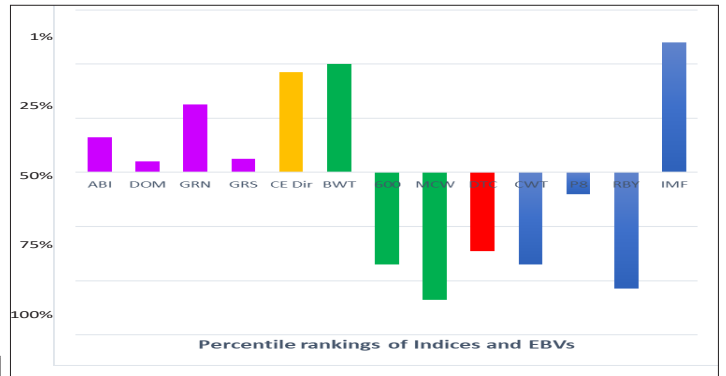
Traits observed: GL,BWT,200WT,Genomics

Notes: Very high marbling and exceptional calving ease. His mother was by our P A Power Play son, NURK22, that is currently being evaluated in the Angus Sire Benchmarking programme, cohort 9. Although not a big bull K22 had one of the more remarkable growth curves that I have seen.

Purchaser ....$..

LOT 23   HIGHRENT F1023 Q88 SV   **IDENT: DOJQ88   GRADE: APR   BORN: 27/07/2019**

GENETIC STATUS: AMF,CAF,DDF,NHF

TE MANIA BERKLEY B1 SV
SIRE: HAZELDEAN F1023 SV
    HAZELDEAN B723 #

    MURRAY EL GRANDO G20SV
DAM: HIGHRENT G20 L66 #
    HIGHRENT D18 #

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$128	Domestic Index +$108	Heavy Grain Index +$156	Heavy Grass Index +$114
Percentile	31	60	14	53

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-5.0	+3.5	-2.5	+6.3	+52	+92	+121	+114	+11
Acc	54%	47%	83%	73%	67%	66%	68%	65%	58%
Percentile	89	43	80	90	27	27	28	20	89

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-5.3	+4.1	-	+0.89	+71	+4.8	+1.6	+0.3	-1.6	+4.4
	44%	60%	-	55%	63%	60%	65%	62%	61%	61%
	41	1	-	99	24	65	8	28	99	1
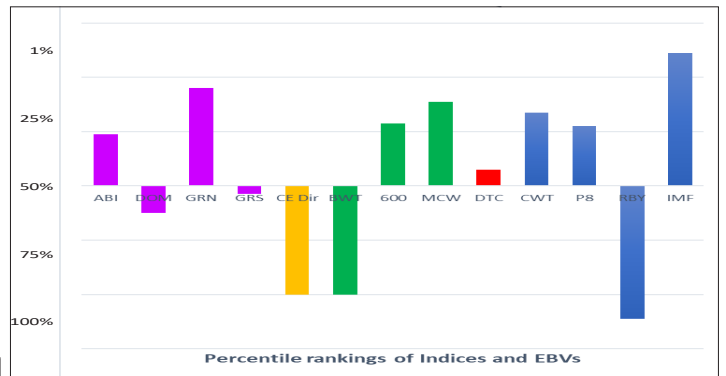
Traits observed: GL,BWT,200WT,Genomics

Notes: The mother of this bull (a daughter of our El Grando) had exceptional growth and solid marbling. With the Hazeldean marbling bull as his father he is a very sensible way to introduce marbling into your herd.

Purchaser ....$..

LOT 24 HIGHRENT F1023 Q96^{SV} IDENT: DOJQ96 GRADE: APR BORN: 25/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1^{SV}
SIRE: HAZELDEAN F1023^{SV}
    HAZELDEAN B723[#]
    A A R TEN X 7008 S A^{SV}
DAM: HIGHRENT 10X L3[#]
   HIGHRENT G47 J86[#]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$116	Domestic Index +$113	Heavy Grain Index +$136	Heavy Grass Index +$106
Percentile	56	43	35	73

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.6	+7.9	-6.5	+1.6	+40	+75	+88	+73	+14
Acc	56%	49%	84%	73%	68%	67%	69%	66%	59%
Percentile	14	8	17	5	88	85	94	91	77

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.0	+2.4	-	+0.53	+62	+5.3	+0.4	-2.5	-0.4	+3.6
46%	62%	-	56%	64%	61%	66%	63%	62%	62%
28	25	-	90	61	56	31	94	85	5
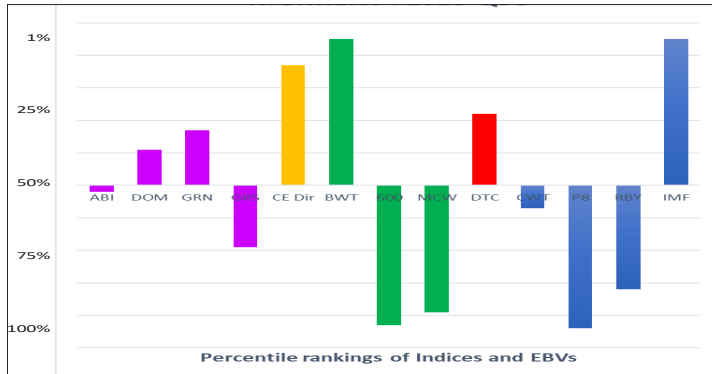
Traits observed: GL,BWT,200WT,Genomics

**Notes:** An exceptionally low birthweight bull with IMF% in the top 10% of the breed.

Purchaser ....$.......................................

LOT 25 HIGHRENT F1023 Q98^{SV} IDENT: DOJQ98 GRADE: APR BORN: 28/07/2019

GENETIC STATUS: AMFU,CAFU,DDF,NHFU

TE MANIA BERKLEY B1^{SV}
SIRE: HAZELDEAN F1023^{SV}
    HAZELDEAN B723[#]
    MURRAY TOTAL H102SV
DAM: HIGHRENT H102 L149[#]
    MURRAY YV965 Z299[#]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$116	Domestic Index +$107	Heavy Grain Index +$139	Heavy Grass Index +$102
Percentile	56	63	31	80

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.5	+1.9	-4.2	+2.7	+35	+68	+80	+83	+10
Acc	54%	47%	84%	72%	67%	66%	67%	65%	58%
Percentile	34	58	53	16	98	96	98	78	96

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.1	+3.1	-	+0.83	+51	+8.5	+2.1	+0.0	-1.1	+4.3
44%	60%	-	54%	63%	59%	64%	61%	60%	59%
26	8	-	99	91	10	4	37	96	1
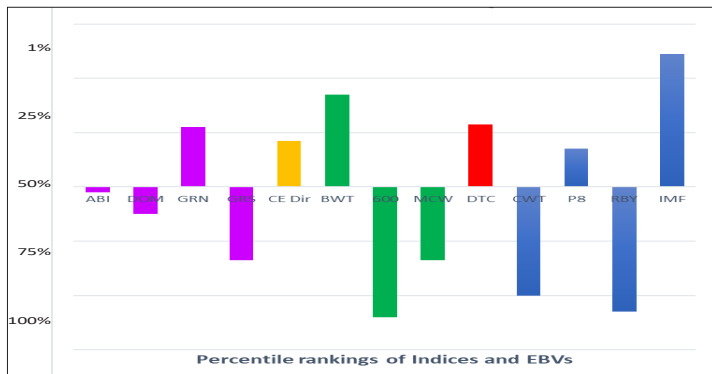
Traits observed: GL,BWT,200WT,Genomics

Notes: Very high marbling with moderate birth weight. Ideal to use over your maiden heifers. His mother was by a very good Kilburnie bull out of a very sound older Kilburnie cow going back to Bon View New Design 1407.

Purchaser ....$.......................................

LOT 26 HIGHRENT F1023 Q100^{SV} IDENT: DOJQ100 GRADE: APR BORN: 28/07/2019

GENETIC STATUS: AMF,CAF,DDF,NHF

TE MANIA BERKLEY B1^{SV}
SIRE: HAZELDEAN F1023^{SV}
    HAZELDEAN B723[#]
    MURRAY TWINHEARTS H100SV
DAM: HIGHRENT H100 L24[#]
    HIGHRENT J176[#]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$136	Domestic Index +$123	Heavy Grain Index +$160	Heavy Grass Index +$123
Percentile	17	14	11	29

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.2	+6.0	-3.9	+4.0	+44	+81	+102	+87	+13
Acc	52%	44%	83%	72%	66%	65%	67%	62%	56%
Percentile	29	20	58	43	72	68	77	72	80

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.2	+4.3	-	+0.89	+64	+7.5	-1.1	-1.5	+0.7	+3.4
42%	58%	-	53%	61%	58%	64%	60%	59%	58%
25	1	-	99	51	19	79	80	39	7
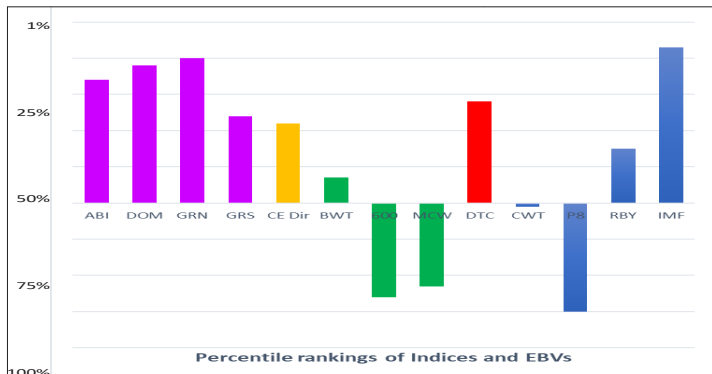
Traits observed: GL,BWT,200WT,Genomics

Notes: On his mother's side of the pedigree this bull goes back to G A R Twinhearts. He has a good combination of IMF% and meat yield combined with a very short days to calving EBV and breed average birthweight.

Purchaser ....$.......................................

Lots 27 - 81: Heifers

We had 83 heifer calves born in 2019 and are offering the best 55 for sale here. We will not retain any heifers for our own use. We have already sold all bar 12 of our older cows and do not intend to retain any of them for our own use.

The quality of these animals is evident from the information provided in this catalogue.

In the normal course of events we would not have been willing to sell any of these heifers.

These heifers were early weaned in December 2019 at low weights. We have had to feed them since then, initially to keep them alive and subsequently to ensure that they got to a joinable weight by October 2020. The average weight of the heifers two hours off feed on July 1st was 315 kilos. The average weight of the lower half of the group was 280 kilos.

The heavier heifers are currently being fed on pasture with intermittent silage. The lighter heifers are being fed grain to ensure that they reach target joining weights.

We will publish weights of these heifers on our website before the sale. They will also be displayed on the AuctionsPlus information about individual animals.
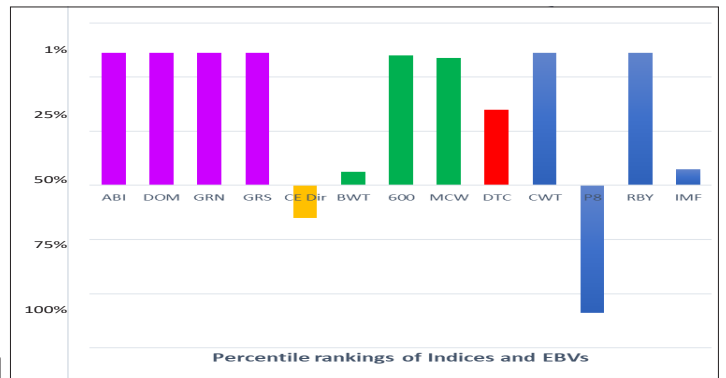

LOT 27 **MURRAY SCALEHOUSE Q3**^{PV} **IDENT: NURQ3** **GRADE: HBR** **BORN: 12/07/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
   G A R 5050 NEW DESIGN 1039#

   GARDENS WAVE#
DAM: MURRAY WAVE J53^{PV}
   TE MANIA QUEANBEYAN D113^{PV}

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$179	Domestic Index +$157	Heavy Grain Index +$202	Heavy Grass Index +$167
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.0	+6.0	-5.6	+4.0	+68	+116	+150	+138	+15
Acc	55%	47%	67%	74%	68%	66%	66%	64%	60%
Percentile	59	20	29	43	1	1	2	3	61

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.2	+3.3	+7	-0.02	+91	+13.8	-2.3	-3.1	+4.0	+2.0
	39%	61%	53%	46%	61%	57%	61%	57%	58%	57%
	25	6	42	26	1	1	97	97	1	44

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: The mating of Scale House and our J53 cow has produced an impeccable set of EBVs and Indices in this heifer. The pedigree is such that it should not be difficult to find matings for this heifer that can retain this outstanding performance in the progeny. Consider this heifer and the way in which she could transform your herd.

Purchaser ....$......................................

LOT 28 **MURRAY SCALEHOUSE Q7**^{PV} **IDENT: NURQ7** **GRADE: HBR** **BORN: 14/07/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
   G A R 5050 NEW DESIGN 1039#

   AYRVALE BARTEL E7PV
DAM: MURRAY BARTEL M17^{PV}
   MURRAY OBJECTIVE G81^{PV}

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$158	Domestic Index +$139	Heavy Grain Index +$177	Heavy Grass Index +$147
Percentile	2	1	3	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.7	+9.5	-5.0	+0.4	+57	+98	+124	+86	+20
Acc	57%	50%	66%	73%	68%	67%	67%	65%	61%
Percentile	3	3	39	1	8	13	22	73	20

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.2	+1.3	+8	+0.57	+74	+8.5	+0.7	-0.6	+0.2	+3.3
	40%	61%	52%	49%	63%	58%	63%	59%	60%	59%
	12	77	39	92	14	10	23	55	63	9

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This is an exceptional heifer. Notice the calving ease and birth weight, the 600 day growth and the mature weight.

Purchaser ....$......................................
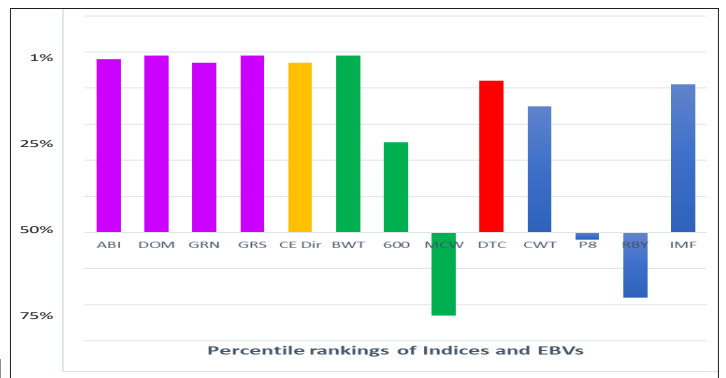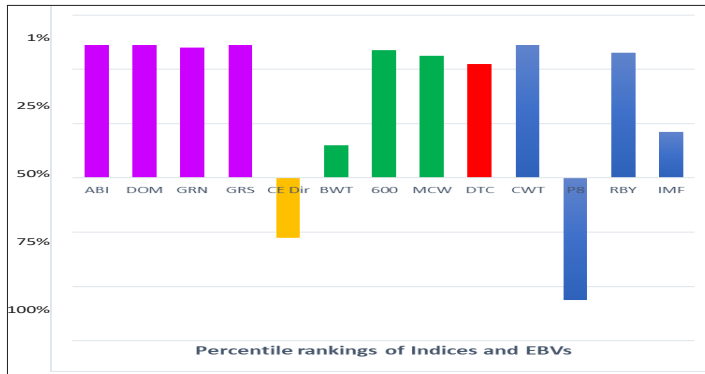
LOT 29   MURRAY SCALEHOUSE Q9^{PV}

IDENT: NURQ9   GRADE: HBR   BORN: 15/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
  G A R 5050 NEW DESIGN 1039#
  GARDENS WAVE#
DAM: MURRAY WAVE J53^{PV}
  TE MANIA QUEANBEYAN D113^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$164	Domestic Index +$145	Heavy Grain Index +$187	Heavy Grass Index +$151
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.5	+3.6	-4.1	+3.7	+66	+116	+146	+131	+14
Acc	55%	47%	66%	74%	67%	66%	66%	64%	60%
Percentile	69	42	55	35	1	1	3	6	70

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.7	+2.8	+7	-0.25	+89	+7.6	-1.4	-2.9	+2.1	+2.3
	38%	60%	53%	46%	61%	57%	61%	57%	58%	57%
	8	14	42	8	1	18	86	96	4	33

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A full flush sister to Q3 - and some of the exceptional bull calves being offered for sale today. Examine these calves carefully.
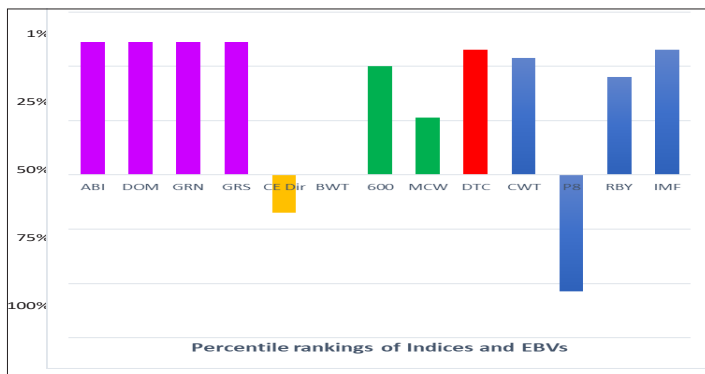
Purchaser .... $ ....

LOT 30   MURRAY SCALEHOUSE Q11^{PV}

IDENT: NURQ11   GRADE: HBR   BORN: 15/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
  G A R 5050 NEW DESIGN 1039#
  MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO J105^{SV}
  MURRAY REGENT G101#

SELECTION INDEXES

Selection Index	Angus Breeding Index +$168	Domestic Index +$138	Heavy Grain Index +$203	Heavy Grass Index +$149
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+0.7	+3.4	-4.9	+4.3	+57	+99	+134	+110	+20
Acc	55%	47%	66%	73%	67%	66%	66%	64%	60%
Percentile	61	43	40	50	7	12	9	26	19

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.9	+2.6	+7	+0.29	+79	+8.7	-1.4	-2.5	+1.5	+3.8
	38%	60%	53%	48%	62%	57%	61%	58%	59%	57%
	6	19	45	68	6	9	86	94	12	3

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: The mating of Scale House and J105 worked very well. The flush produced Q11, Q17, Q19, Q27 and Q29. You can choose any one of these very good heifers to make a positive impact on your breeding programme.

Purchaser .... $ ....

LOT 31   MURRAY SCALEHOUSE Q17^{PV}

IDENT: NURQ17   GRADE: HBR   BORN: 17/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
  G A R 5050 NEW DESIGN 1039#
  MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO J105^{SV}
  MURRAY REGENT G101#

SELECTION INDEXES

Selection Index	Angus Breeding Index +$173	Domestic Index +$143	Heavy Grain Index +$206	Heavy Grass Index +$155
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.7	+5.4	-4.0	+3.8	+57	+102	+138	+107	+23
Acc	54%	46%	65%	73%	67%	65%	66%	63%	59%
Percentile	40	25	56	38	8	8	6	31	6

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.0	+3.1	+7	+0.36	+77	+9.3	-1.3	-3.2	+1.9	+3.3
	38%	60%	53%	47%	61%	56%	61%	57%	58%	56%
	6	8	45	76	9	6	84	98	6	9

Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This is a heifer with a truly oustanding combination of fertility, IMF% and RBY% EBVs.

Purchaser .... $ ....

LOT 32   MURRAY SCALEHOUSE Q19^{PV}   IDENT: NURQ19   GRADE: HBR   BORN: 18/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
G A R 5050 NEW DESIGN 1039#
MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO J105^{SV}
MURRAY REGENT G101#

SELECTION INDEXES

Selection Index	Angus Breeding Index +$160	Domestic Index +$132	Heavy Grain Index +$189	Heavy Grass Index +$144
Percentile	1	3	1	2

Traits observed: BWT,200WT(x2),DOC,Genomics

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-3.8	-0.3	-3.3	+5.8	+66	+109	+150	+138	+18
Acc	55%	47%	66%	73%	67%	66%	66%	64%	60%
Percentile	85	76	69	83	1	3	2	3	34

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.4	+3.0	-3	+0.14	+86	+7.2	-1.9	-3.3	+1.9	+2.9
	38%	60%	53%	47%	61%	57%	61%	57%	58%	57%
	10	10	77	47	2	23	93	98	6	16

Notes: As stated above the Scale House mating to J105 produced some outstanding calves including this heifer.

Purchaser .... $ ....
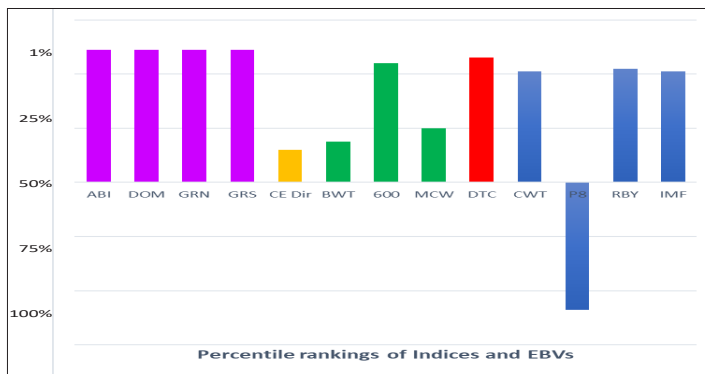
LOT 33   MURRAY SCALEHOUSE Q21^{PV}   IDENT: NURQ21   GRADE: HBR   BORN: 18/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
G A R 5050 NEW DESIGN 1039#
H P C A PROCEED^{PV}
DAM: MURRAY PROCEED M3^{PV}
MURRAY WAVE J43^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$160	Domestic Index +$139	Heavy Grain Index +$193	Heavy Grass Index +$145
Percentile	1	1	1	2

Traits observed: BWT,200WT,DOC,Genomics

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-9.0	-4.7	-0.7	+6.2	+72	+125	+162	+135	+20
Acc	56%	47%	66%	73%	68%	66%	66%	64%	60%
Percentile	97	94	95	89	1	1	1	4	22

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-3.6	+3.4	+17	+0.21	+95	+9.5	-4.7	-4.9	+2.8	+3.4
	36%	60%	52%	48%	62%	57%	61%	57%	58%	57%
	73	5	15	57	1	5	99	99	1	7

Notes: A full flush sister to Lot 13, Q10. More growth (and birth weight) than her brother but with an equally exceptional combination of IMF% and Retail Beef Yield.

Purchaser .... $ ....

LOT 34   MURRAY SCALEHOUSE Q27^{PV}   IDENT: NURQ27   GRADE: HBR   BORN: 19/07/2019
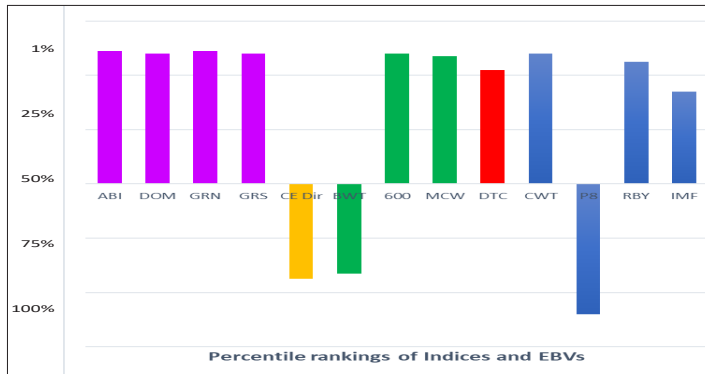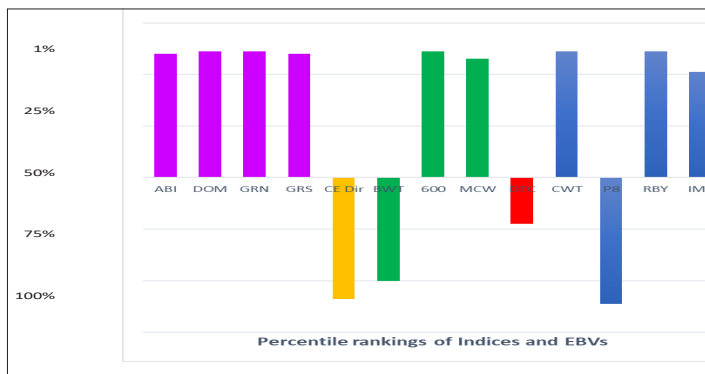
GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
MCC DAYBREAK#
SIRE: G A R SCALE HOUSE^{PV}
G A R 5050 NEW DESIGN 1039#
MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO J105^{SV}
MURRAY REGENT G101#

SELECTION INDEXES

Selection Index	Angus Breeding Index +$161	Domestic Index +$130	Heavy Grain Index +$195	Heavy Grass Index +$143
Percentile	1	4	1	2

Traits observed: BWT,200WT(x2),DOC,Genomics

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-7.6	-0.5	-2.1	+7.4	+64	+109	+147	+135	+13
Acc	55%	46%	65%	73%	67%	66%	66%	64%	59%
Percentile	95	77	85	97	2	3	2	4	84

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.8	+3.5	-3	+0.43	+80	+8.5	-0.6	-1.9	+1.1	+3.6
	38%	60%	53%	47%	61%	57%	61%	57%	58%	57%
	7	4	77	83	5	10	64	87	23	5
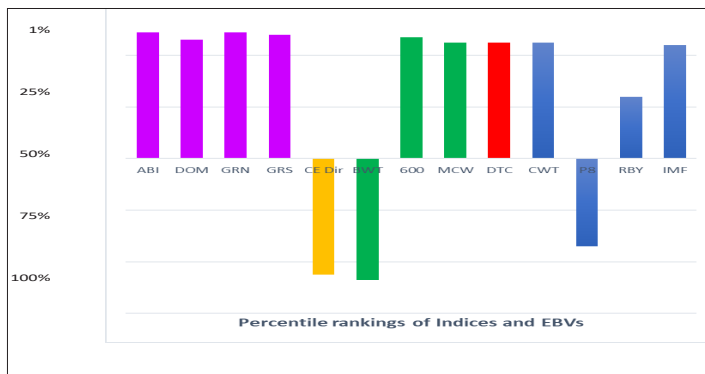
Notes: Q27 was the last born of these five flush sisters. She has a higher birth weight EBV than the other heifers. My experience is that of all the EBVs for embryo calves the birth weight EBV is the most likely to change and so this heifer's Birth Weight EBV just might fall. Also be aware that these EBVs have included 50k genetic information. In the past I have observed that this genetic information usually spreads the EBVs more than has happened in this case.

Purchaser .... $ ....

LOT 35   MURRAY LEGEND Q37^{PV}   IDENT: NURQ37   GRADE: HBR   BORN: 27/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
     V A R DISCOVERY 2240^{PV}
SIRE: V A R LEGEND 5019^{SV}
     PF CC&7 HENRIETTA PRIDE 1044[#]

     WK REPLAY#
DAM: MURRAY REPLAY L43^{PV}
     MURRAY BERKLEY G32^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$154	Domestic Index +$134	Heavy Grain Index +$180	Heavy Grass Index +$142
Percentile	3	2	3	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.2	+1.3	-8.4	+6.2	+63	+109	+146	+142	+15
Acc	54%	46%	84%	72%	65%	64%	65%	64%	58%
Percentile	51	63	5	89	2	3	3	2	64

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.9	+2.1	-11	-0.12	+81	+6.9	-3.0	-3.5	+2.0	+2.6
	38%	58%	50%	46%	60%	56%	61%	57%	58%	56%
	48	38	93	16	4	27	99	99	5	24

Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: All indices in the top 5% of the breed. A very high growth rate daughter of V A R Legend with an acceptable birth weight EBV. Legend appears to have thrown the combination of IMF% and RBY% that we have been striving for.

Purchaser ....$..

LOT 36   MURRAY LEGEND Q39^{PV}   IDENT: NURQ39   GRADE: HBR   BORN: 28/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
     V A R DISCOVERY 2240^{PV}
SIRE: V A R LEGEND 5019^{SV}
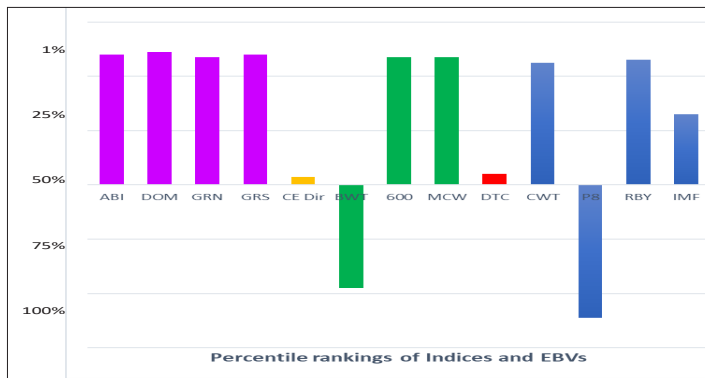   PF CC&7 HENRIETTA PRIDE 1044[#]

     CIRCLE A INCENTIVE#
DAM: MURRAY INCENTIVE H107^{PV}
     MURRAY BERKLEY F11^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$151	Domestic Index +$130	Heavy Grain Index +$175	Heavy Grass Index +$139
Percentile	4	4	4	4

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+8.4	+5.8	-7.4	+3.0	+52	+100	+136	+136	+17
Acc	53%	45%	84%	73%	65%	65%	65%	64%	59%
Percentile	11	22	10	21	23	11	7	4	45

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.7	+2.2	-11	+0.29	+69	+6.1	-2.0	-2.2	+1.4	+2.6
	37%	60%	52%	44%	59%	56%	60%	56%	57%	55%
	52	33	93	68	29	41	94	91	14	24
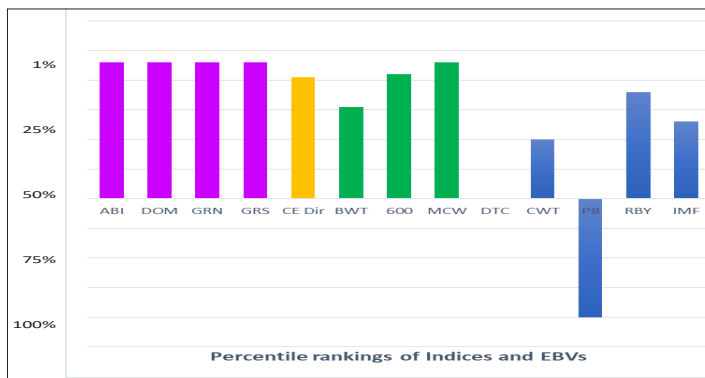
Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: Another heifer with all the indices in the top 5% of the breed. Very similar to the preceding heifer but with a lower birth weight. Berkley is in the pedigree to make a good combination of the best American and Australian genetics.

Purchaser ....$..

LOT 37   MURRAY KODAK N70 Q47^{PV}   IDENT: NURQ47   GRADE: HBR   BORN: 1/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
     RENNYLEA KODAK K522^{SV}
SIRE: MURRAY KODAK N70^{PV}
     MURRAY WAVE J53^{PV}

     AYRVALE BARTEL E7PV
DAM: MURRAY BARTEL M189^{PV}
     MURRAY OBJECTIVE G81^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$157	Domestic Index +$129	Heavy Grain Index +$186	Heavy Grass Index +$141
Percentile	2	5	2	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.9	+1.5	-3.4	+5.5	+61	+105	+142	+131	+20
Acc	54%	49%	62%	67%	64%	63%	64%	62%	56%
Percentile	71	61	67	78	3	5	4	6	22

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.2	+4.6	+19	+0.24	+84	+5.2	-1.2	-1.2	+0.5	+3.3
	40%	59%	53%	50%	60%	56%	61%	57%	58%	56%
	5	1	12	61	3	58	81	73	49	9
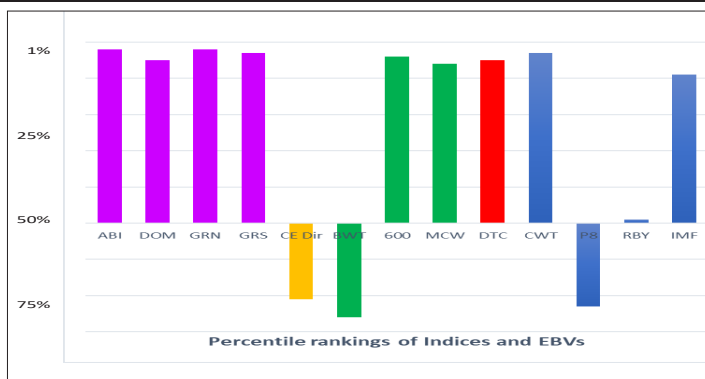
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: The mother, NURM189, is an outstanding Bartel E7 daughter that we sold in March. The father, our Kodak N70, has bred well for us. This heifer has the potential to breed very superior progeny.

Purchaser ....$..

How the diagrams can help you

The five lots on these two pages display some very different animals.

Simply on index numbers Lot 41, the Clune's Crossing Dusty calf, stands out. But she has a very negative EBV for P8 fat. Some people would see this as a cause of below normal fertility. However we note that she has a days to calving (DTC or DC) EBV in the top 4% of the breed.

Are you looking for fertility? Look for the red bars in the diagram and you will note that the last two animals (Lot 41 and Lot 42) have the most desirable values.

If you are you looking for fat – then Lot 38, Lot 39 and Lot 42 on the next page are obvious candidates.

If marbling is an important consideration for you then Lot 38 and Lot 39 will certainly stand out.

LOT 38   MURRAY H708 Q51^PV   IDENT: NURQ51   GRADE: APR   BORN: 1/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
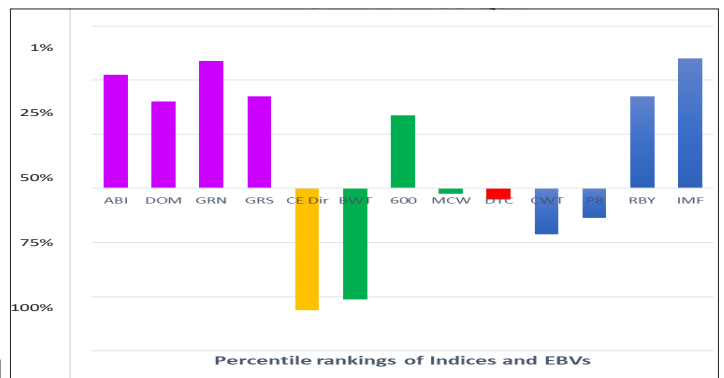
RENNYLEA C511^PV
SIRE: RENNYLEA H708^PV
RENNYLEA E176^PV

TE MANIA DEEGAN D309PV
DAM: MURRAY DEEGAN G132^PV
MURRAY Y3 A38^#

Traits observed: GL,BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$147	Domestic Index +$122	Heavy Grain Index +$179	Heavy Grass Index +$131
Percentile	6	16	3	13

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-7.6	+1.7	-3.5	+6.4	+50	+91	+124	+97	+17
Acc	59%	53%	84%	75%	70%	70%	71%	70%	65%
Percentile	95	60	65	91	36	30	22	52	49

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
EBV	-4.7	+2.8	+9	+0.84	+60	+8.8	-2.0	-0.9	+1.4	+4.1
Acc	50%	64%	61%	60%	67%	65%	69%	66%	67%	65%
	52	14	37	99	66	8	94	64	14	2

Notes: Rennylea H708 is one of the outstanding carcase bulls in the breed with very high IMF% and Retail Beef Yield. Q51 is the seventh natural calf of G132 that was sold in March. This mating resulted in a sound set of indices and EBVs with a particularly strong combination of IMF% and Retail Beef Yield.

Purchaser .... $ ....

LOT 39   MURRAY H708 Q55^PV   IDENT: NURQ55   GRADE: APR   BORN: 3/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511^PV
SIRE: RENNYLEA H708^PV
RENNYLEA E176^PV

PA POWER TOOL 9108SV
DAM: MURRAY POWER TOOL K59^PV
MURRAY DEEGAN H57^PV

Traits observed: GL,BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$150	Domestic Index +$124	Heavy Grain Index +$182	Heavy Grass Index +$134
Percentile	4	12	2	9

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-10.3	-4.1	-0.9	+6.9	+58	+109	+142	+102	+19
Acc	59%	54%	84%	75%	70%	70%	71%	70%	65%
Percentile	98	93	94	95	7	3	4	40	31

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
EBV	-5.4	+2.6	+14	+0.64	+72	+6.6	-1.5	-0.8	+0.3	+4.2
Acc	51%	66%	61%	60%	68%	65%	70%	67%	68%	66%
	39	19	22	95	20	32	88	61	59	2
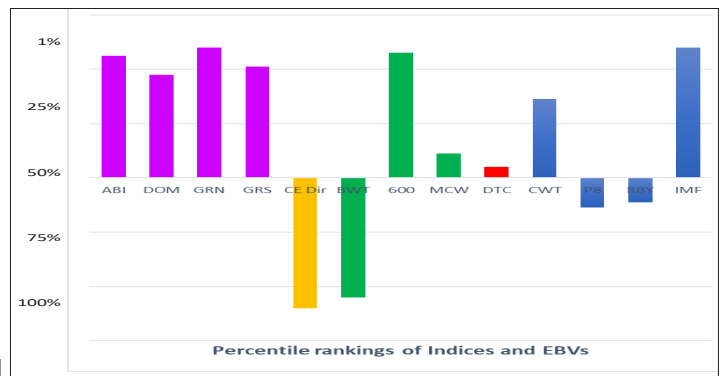
Notes: We have been trying to breed animals with both growth and marbling. This heifer fits that description. She should breed well if joined to some of the very high marbling bulls in the breed.

Purchaser .... $ ....

LOT 40 MURRAY H708 Q61^{PV}

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511^{PV}
SIRE: RENNYLEA H708^{PV}
RENNYLEA E176^{PV}

ALCOA NEW STANDARD 427#
DAM: MURRAY NEW STANDARD K47^{PV}
MURRAY DEEGAN H115^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$139	Domestic Index +$126	Heavy Grain Index +$161	Heavy Grass Index +$130
Percentile	14	9	10	14

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-1.7	+3.9	-0.7	+4.5	+54	+99	+128	+106	+16
Acc	57%	52%	85%	74%	69%	69%	70%	69%	63%
Percentile	76	39	95	55	16	11	16	33	58

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-3.3	+0.9	+3	-0.06	+70	+9.2	-2.0	-2.7	+1.2	+3.1
	48%	64%	58%	58%	66%	63%	68%	65%	66%	64%
	77	89	57	22	26	6	94	95	20	12

Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: The lower birth weight of this H708 daughter comes from P A Power Tool in the mother's pedigree. The combination of IMF% and Retail Beef Yield is an important feature of the animals that we are selling.

Purchaser ....$.......................................

LOT 41 MURRAY DUSTY M13 Q65^{PV}

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET^{SV}
SIRE: CLUNES CROSSING DUSTY M13^{PV}
CLUNES CROSSING GLORIOUS G1^{SV}

AYRVALE LEGACY L21PV
DAM: MURRAY LEGEND N17^{PV}
MURRAY M INGENUITY L55^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$172	Domestic Index +$150	Heavy Grain Index +$203	Heavy Grass Index +$154
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+11.7	+6.0	-12.5	+2.4	+57	+102	+126	+101	+21
Acc	56%	47%	71%	73%	68%	66%	66%	62%	55%
Percentile	2	20	1	12	9	7	19	42	14

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.4	+0.6	-5	+0.14	+78	+10.2	-2.2	-2.5	+1.9	+3.5
	38%	59%	53%	49%	60%	56%	61%	58%	59%	57%
	4	95	83	47	8	3	96	94	6	6
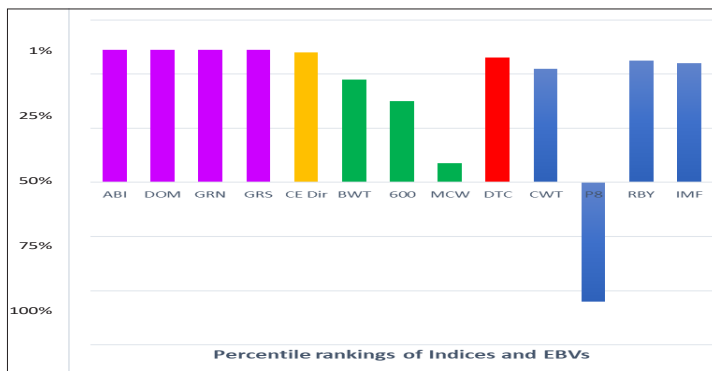
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This heifer is one of those rare animals that is in the top 1% of the breed for all indices. She (like the Scale House daughter Q17) is one of a small number of females with IMF%, Retail Beef Yield and Days to Calving all in the top 10% of the breed. We would expect her to breed very well.

Purchaser ....$.......................................

LOT 42 MURRAY KODAK N70 Q23^{PV}

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^{SV}
SIRE: MURRAY KODAK N70^{PV}
MURRAY WAVE J53^{PV}

MURRAY EMPEROR L52SV
DAM: MURRAY M EMPEROR N127^{PV}
MURRAY FEDERAL L69^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$140	Domestic Index +$117	Heavy Grain Index +$156	Heavy Grass Index +$130
Percentile	12	29	14	14

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.1	+3.9	-6.0	+4.2	+53	+93	+127	+112	+11
Acc	55%	46%	61%	70%	64%	63%	64%	61%	54%
Percentile	30	39	23	47	20	24	17	23	91

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.3	+2.4	+22	+0.25	+78	+1.9	+1.4	+0.3	-1.1	+2.6
	37%	57%	50%	50%	58%	54%	60%	56%	57%	55%
	4	25	8	62	8	97	10	28	96	24

Traits observed: CE,BWT,200WT(x2),DOC,Genomics

Notes: Q23 was an early calf from a maiden heifer. Better than breed average growth and lower than breed average birth weight combined with a top 10% fertility EBV make her the sort of animal that could be the foundation of a solid breeding programme.

Purchaser ....$.......................................
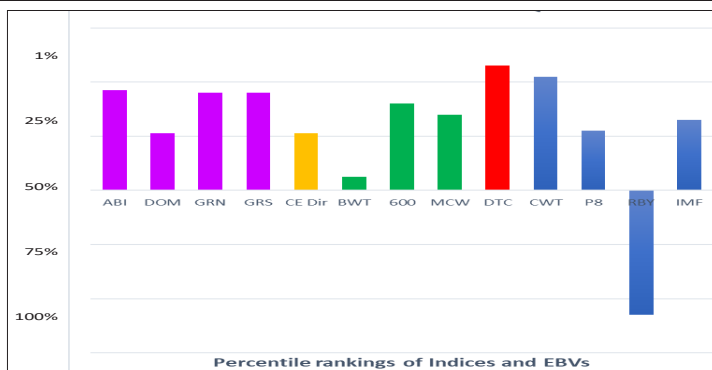
LOT 43 — MURRAY KODAK N70 Q25^{PV}

IDENT: NURQ25   GRADE: HBR   BORN: 19/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^{SV}
**SIRE: MURRAY KODAK N70^{PV}**
MURRAY WAVE J53^{PV}

G A R SURE FIRE^{SV}
DAM: MURRAY SURE FIRE N61^{PV}
MURRAY M TEN X L143^{PV}

Traits observed: CE,BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$156	Domestic Index +$136	Heavy Grain Index +$183	Heavy Grass Index +$142
Percentile	2	1	2	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.2	-1.7	-0.8	+4.0	+57	+104	+135	+123	+21
Acc	57%	47%	65%	71%	64%	63%	64%	61%	55%
Percentile	36	84	94	43	7	5	8	10	13

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.5	+4.7	+1	-0.01	+80	+7.9	-1.4	-3.2	+1.9	+2.7
37%	58%	50%	49%	60%	56%	61%	57%	60%	56%
9	1	64	27	6	15	86	98	6	21
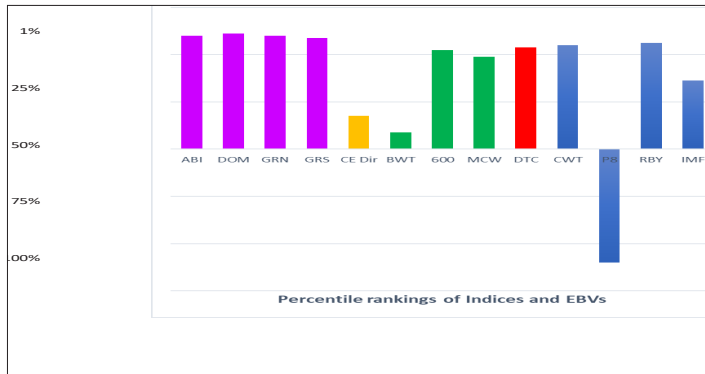
Notes: High growth, a moderate birthweight and a desirable combination of IMF and Retail Beef Yield should make this heifer an attractive breeding proposition for most herds. The Days to Calving EBV is in the top 10% of the breed.

Purchaser ....$......................................

LOT 44 — MURRAY SCALEHOUSE Q29^{PV}

IDENT: NURQ29   GRADE: HBR   BORN: 22/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MCC DAYBREAK[#]
SIRE: G A R SCALE HOUSE^{PV}
G A R 5050 NEW DESIGN 1039[#]

MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO J105^{SV}
MURRAY REGENT G101[#]

Traits observed: BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$163	Domestic Index +$137	Heavy Grain Index +$187	Heavy Grass Index +$149
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-4.9	-0.1	-2.1	+6.1	+67	+113	+148	+129	+19
Acc	55%	47%	66%	73%	67%	66%	66%	64%	60%
Percentile	89	74	85	88	1	2	2	7	27

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-7.8	+3.4	-3	+0.00	+88	+10.2	-0.7	-1.2	+1.6	+2.8
38%	60%	53%	47%	61%	57%	61%	57%	58%	57%
7	5	77	29	2	3	68	73	10	19
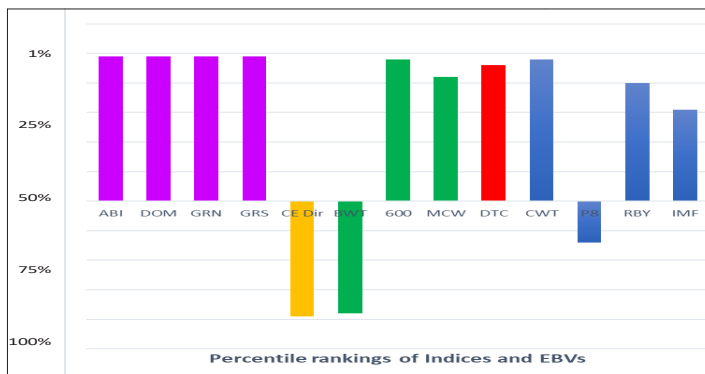
Notes: The last born of the Scale House/J105 daughters.

Purchaser ....$......................................

LOT 45 — MURRAY MORELL M1425 Q31

IDENT: NURQ31   GRADE: BORN:

GENETIC STATUS:

AYRVALE BARTEL E7^{PV}
SIRE: TE MANIA MORELL M1425^{PV}
TE MANIA MITTAGONG J124^{SV}

DAM: NURN51

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
Percentile				

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV									
Acc									
Percentile									

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF

Notes: Information not currently available. A black heifer that has a red gene.

Purchaser ....$......................................

LOT 46   MURRAY F1023 Q33   IDENT: NURQ33   GRADE: BORN:

GENETIC STATUS:

TE MANIA BERKLEY B1^{SV}

SIRE: HAZELDEAN F1023^{SV}

HAZELDEAN B723[#]

DAM: NURN87

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
Percentile				

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV Acc									
Percentile									

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF

Notes: Information not currently available.

Purchaser .... $ ....

LOT 47   MURRAY MORELL Q35^{PV}   IDENT: NURQ35   GRADE: HBR   BORN: 25/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU,RGC

AYRVALE BARTEL E7^{PV}

SIRE: TE MANIA MORELL M1425^{PV}

TE MANIA MITTAGONG J124^{SV}

BROWN BLW LEGEND A1965 (RED)[#]

DAM: MURRAY LEGEND M75^{PV}

MURRAY STEAKHOUSE K97 (RED)[#]

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+$135	+$125	+$153	+$125
Percentile	19	10	16	24

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.2	+8.7	-8.3	+2.9	+49	+88	+110	+103	+18
Acc	50%	45%	82%	69%	61%	60%	61%	61%	54%
Percentile	5	5	5	19	42	41	57	38	37

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.0	+1.0	+2	+0.46	+68	+7.9	-2.5	-2.4	+0.9	+2.8
33%	54%	44%	42%	54%	50%	56%	53%	53%	50%
28	87	63	85	34	15	98	93	31	19
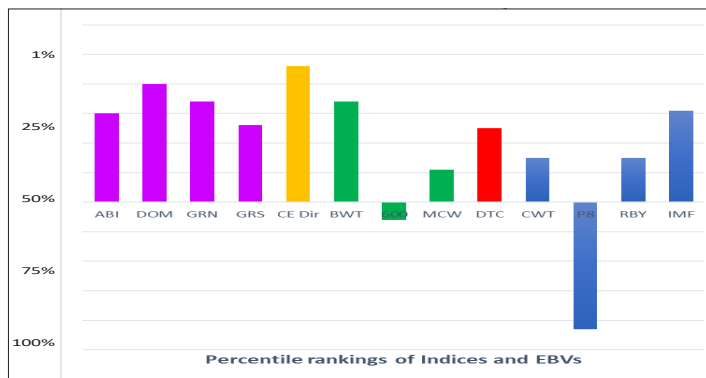
Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: This heifer carries a red gene. She has extreme calving ease and a very moderate birth weight. You could breed some very useful calving ease bulls from her.

Purchaser .... $ ....

LOT 48   MURRAY DUSTY M13 Q41^{PV}   IDENT: NURQ41   GRADE: HBR   BORN: 29/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET^{SV}

SIRE: CLUNES CROSSING DUSTY M13^{PV}

CLUNES CROSSING GLORIOUS G1^{SV}

MURRAY EMPEROR L52SV

DAM: MURRAY M EMPEROR N109^{PV}

MURRAY RESERVE L155^{PV}

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
	+$144	+$133	+$153	+$139
Percentile	8	2	16	4

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.7	+6.5	-7.0	+2.0	+50	+93	+117	+66	+26
Acc	57%	48%	84%	73%	68%	66%	66%	63%	55%
Percentile	6	16	13	8	36	24	37	95	2

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.3	+1.4	+7	+0.61	+67	+9.7	+0.4	-0.8	+1.2	+2.3
39%	59%	54%	51%	60%	56%	61%	58%	59%	56%
41	73	42	94	37	5	31	61	20	33
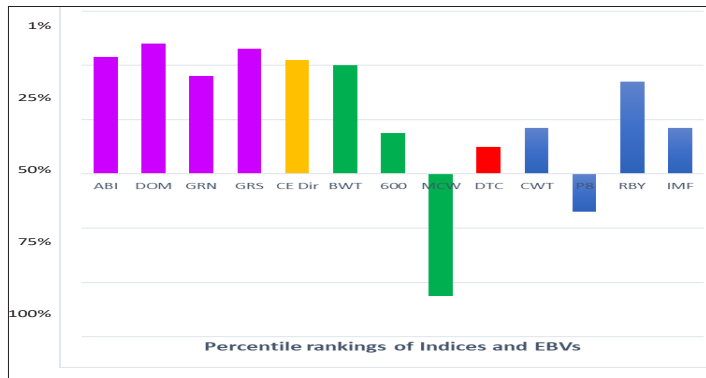
Traits observed: GL,CE,BWT,200WT(x2),DOC,Genomics

Notes: With the calving ease and growth that this heifer has you should be able to breed some very useful animals. Note the exceptional growth curve with the low mature weight in the lowest 5% of the breed. We think it is important to constrain the mature size of our cows while still having rapid growth to 600 days. This is why we put such emphasis on the growth curve.

Purchaser .... $ ....

LOT 49   MURRAY MARBLE BAR Q45^{PV}   IDENT: NURQ45   GRADE: HBR   BORN: 29/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU,RGA

MILWILLAH FEVOLA F37^{PV}
SIRE: MILWILLAH MARBLE BAR J53 (RED)^{PV}
MILWILLAH LOWAN G291^{SV}

BROWN JYJ REDEMPTION Y1334 (RED)#
DAM: MURRAY REDEMPTION N79 (RED)^{PV}
MURRAY RED ENDORSEMENT L153 (RED)^{DV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$124	Domestic Index +$115	Heavy Grain Index +$130	Heavy Grass Index +$122
Percentile	39	36	43	31

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.9	+2.4	-4.8	+5.3	+61	+108	+145	+149	+16
Acc	52%	42%	84%	71%	64%	63%	63%	59%	52%
Percentile	53	53	42	74	2	3	3	1	59

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.2	+2.9	+5	-0.36	+80	+2.4	-1.2	-2.0	+0.6	+1.1
	30%	54%	44%	39%	55%	50%	56%	53%	52%	50%
	62	11	52	4	6	95	81	88	44	81

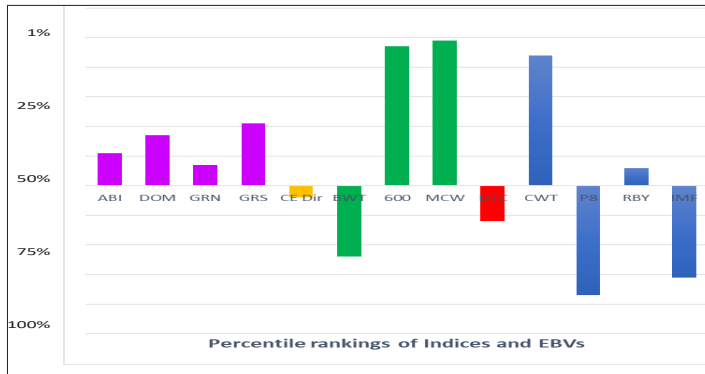*Traits observed: GL,CE,BWT,200WT(x2),DOC,Genomics*

Notes: A red heifer with very high growth EBVs which are exceptional for a red Angus.

Purchaser .... $ ....

LOT 50   MURRAY GET CRACKING G10 Q49^{PV}   IDENT: NURQ49   GRADE: HBR   BORN: 31/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1^{SV}
SIRE: ALLOURA GET CRACKING G10^{SV}
ALLOURA JEDDA Z15#

V A R DISCOVERY 2240PV
DAM: MURRAY DISCOVERY N25^{PV}
MURRAY BERKLEY F4^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$136	Domestic Index +$122	Heavy Grain Index +$162	Heavy Grass Index +$120
Percentile	17	16	10	36

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+11.0	+8.2	-5.0	+0.7	+39	+78	+90	+89	+18
Acc	59%	53%	83%	74%	70%	70%	71%	68%	63%
Percentile	3	7	39	2	90	79	93	67	39

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-9.0	+1.4	-3	+0.43	+50	+8.5	+1.1	-0.1	-0.8	+4.1
	46%	66%	59%	59%	67%	64%	69%	66%	65%	65%
	2	73	76	83	92	10	15	40	93	2
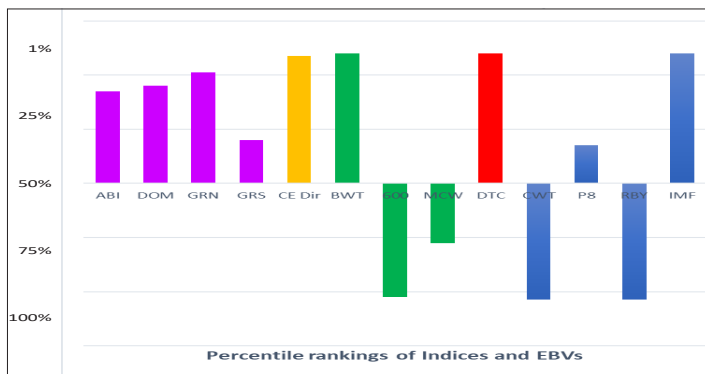
Traits observed: GL,CE,BWT,200WT(x2),DOC,Genomics

Notes: An impressively high IMF% EBV. If you are breeding bulls to sell then you should be putting more marbling in them. We doubled up on Berkley in this pedigree as he has a very high IMF% EBV.

Purchaser .... $ ....

LOT 51   MURRAY F1023 Q59^{PV}   IDENT: NURQ59   GRADE: APR   BORN: 4/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1^{SV}
SIRE: HAZELDEAN F1023^{SV}
HAZELDEAN B723#

MURRAY EMPEROR L52SV
DAM: MURRAY M EMPEROR N95^{PV}
MURRAY FEDERAL L77^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$134	Domestic Index +$114	Heavy Grain Index +$156	Heavy Grass Index +$122
Percentile	20	39	14	31

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.3	+2.7	-0.2	+4.6	+50	+92	+120	+100	+17
Acc	56%	50%	84%	73%	68%	68%	69%	65%	59%
Percentile	43	51	97	58	37	29	30	44	50

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.8	+2.8	+14	+0.93	+79	+5.1	+2.4	+0.0	-1.8	+3.7
	44%	63%	56%	59%	65%	62%	67%	63%	63%	63%
	16	14	23	99	6	59	3	37	99	4
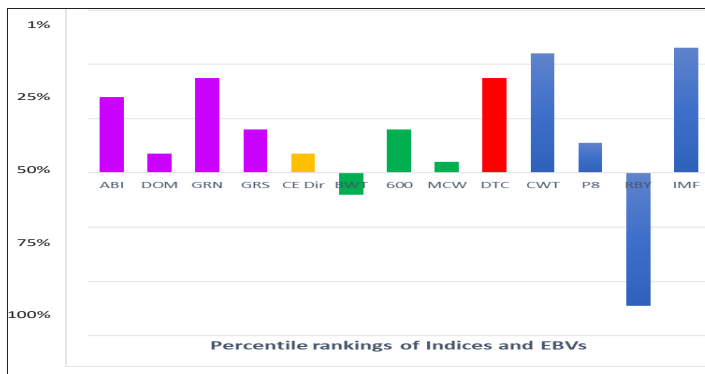
Traits observed: GL,CE,BWT,200WT(x2),DOC,Genomics

Notes: Again we emphasise the importance of IMF% in any breeding programme. This heifer has the potential to breed progeny with good all round performance..

Purchaser .... $ ....

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

CONNEALY IN SURE 8524#

SIRE: G A R SURE FIRE^{SV}

CHAIR ROCK 5050 G A R 8086#

DENHOLM GLEN G10 BARTEL J41PV

DAM: MURRAY DG BARTEL N43^{PV}

MURRAY REGENT H43^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$167	Domestic Index +$135	Heavy Grain Index +$193	Heavy Grass Index +$151
Percentile	1	2	1	1

Traits observed: BWT,200WT(x2),DOC,Genomics

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.8	-4.6	-3.5	+5.1	+59	+108	+144	+130	+21
Acc	60%	52%	71%	73%	69%	69%	69%	67%	63%
Percentile	54	94	65	70	5	3	3	6	16

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.6	+4.3	-2	+0.05	+80	+7.0	+0.1	+1.9	+0.2	+3.2
	43%	64%	56%	59%	66%	64%	68%	65%	67%	64%
	3	1	75	35	6	26	40	5	63	10
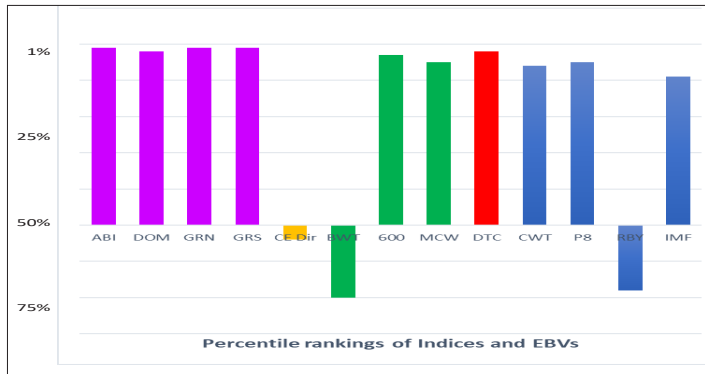
Notes: One of the best Sure Fire calves that we have bred. Very high growth and carcase weight with high marbling to produce bulls to breed the high quality steers that are needed in the long fed market.

Purchaser .... $ ....

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET^{SV}

SIRE: CLUNES CROSSING DUSTY M13^{PV}

CLUNES CROSSING GLORIOUS G1^{SV}

MURDEDUKE HUSSAR H211PV

DAM: MURRAY HUSSAR N13^{PV}

MURRAY OBJECTIVE G93^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$147	Domestic Index +$129	Heavy Grain Index +$163	Heavy Grass Index +$140
Percentile	6	5	9	4

Traits observed: BWT,200WT(x2),DOC,Genomics

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.1	+2.2	-7.1	+6.5	+57	+103	+138	+115	+18
Acc	58%	49%	68%	73%	70%	68%	68%	64%	58%
Percentile	44	55	12	92	9	7	6	19	41

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.9	+1.2	-11	+0.17	+74	+8.8	-0.7	-1.7	+1.2	+2.1
	41%	61%	56%	51%	62%	58%	63%	60%	61%	58%
	48	81	93	51	15	8	68	84	20	40
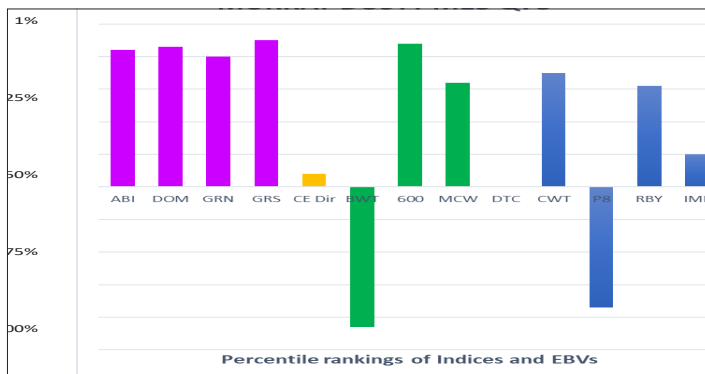
Notes: The father of this heifer, Clunes Crossing Dusty, has bred very well. This heifer (and her flush sister NURQ75 immediately below) exhibit his best features. Top 20% for all indices. Very high growth with a restrained mature weight. The combination of IMF%, Retail Beef Yield and Days to Calving is pleasing.

Purchaser .... $ ....

The heifers on this page demonstrate our rapid generation turnover.

All the animals on this page were out of maiden heifers. Three were natural calves and two were embryos.

Of the 55 heifers being offered 23 are from N heifers and another 12 are from M heifers.

Our heifers are our most valuable genetic resource and we have made full use of them over the years. By doing this we have ensured that you will be able to buy some of the most modern genetics available in Australia.

LOT 54 — MURRAY DUSTY M13 Q75[PV]

IDENT: NURQ75   GRADE: HBR   BORN: 18/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHET[SV]
SIRE: CLUNES CROSSING DUSTY M13[PV]
CLUNES CROSSING GLORIOUS G1[SV]

MURDEDUKE HUSSAR H211PV
DAM: MURRAY HUSSAR N13[PV]
MURRAY OBJECTIVE G93[PV]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$154	Domestic Index +$129	Heavy Grain Index +$184	Heavy Grass Index +$139
Percentile	3	5	2	4

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-3.8	+1.9	-6.2	+8.4	+62	+107	+145	+132	+15
Acc	58%	49%	68%	73%	69%	67%	67%	64%	58%
Percentile	85	58	21	99	2	4	3	5	62

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.7	+0.9	-9	+0.17	+82	+8.0	-2.1	-3.6	+1.6	+3.1
41%	61%	55%	51%	62%	58%	63%	60%	60%	58%
33	89	91	51	4	14	95	99	10	12
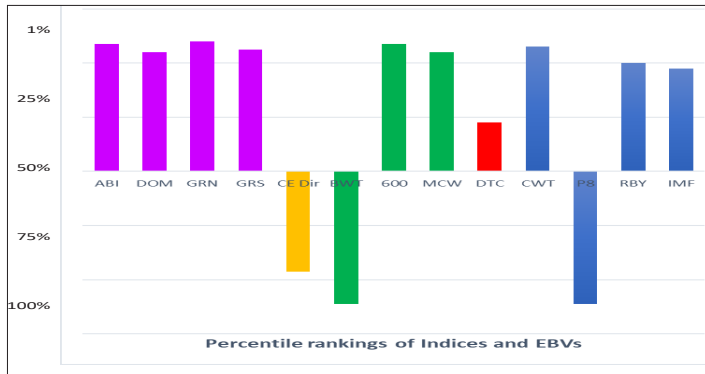
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This daughter of Dusty has a very good combination of yield and marbling. The growth is such that you will be able to use a lower birth weight bull to produce very well rounded progeny.

Purchaser ....$..

LOT 55 — MURRAY POWER TOOL M98 Q77[PV]

IDENT: NURQ77   GRADE: HBR   BORN: 19/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY POWER TOOL K22[PV]
SIRE: MURRAY M POWER TOOL M98[SV]
MURRAY H20 K129[#]

PATHFINDER GENESIS G357PV
DAM: MURRAY GENESIS M33[PV]
MURRAY AMBUSH 28 G34[PV]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$127	Domestic Index +$116	Heavy Grain Index +$136	Heavy Grass Index +$122
Percentile	33	33	35	31

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-4.4	-0.1	-5.6	+6.0	+55	+93	+124	+84	+21
Acc	52%	45%	59%	70%	62%	61%	63%	61%	54%
Percentile	87	74	29	86	13	24	23	77	13

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.0	+3.1	+30	-0.03	+70	+4.4	-1.1	-1.1	+1.4	+1.9
38%	58%	46%	46%	57%	53%	59%	55%	56%	54%
28	8	2	25	27	72	79	70	14	48
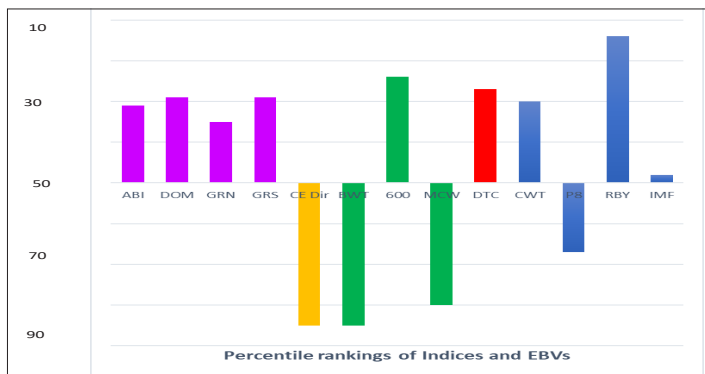
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This heifer was intentionally bred to combine the exceptional growth coming from Pathfinder Genesis with the low mature weight coming from P A Power Tool. She has early growth in the top quarter of the breed with a mature weight EBV in the bottom quarter of the breed. We need to breed small cows which have small calves that grow very rapidly to sale age.

Purchaser ....$..

LOT 56 — MURRAY H708 Q85[PV]

IDENT: NURQ85   GRADE: APR   BORN: 21/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511[PV]
SIRE: RENNYLEA H708[PV]
RENNYLEA E176[PV]

B/R AMBUSH 28[#]
DAM: MURRAY AMBUSH 28 G34[PV]
TE MANIA QUEANBEYAN D113[PV]

SELECTION INDEXES

Selection Index	Angus Breeding Index +$147	Domestic Index +$127	Heavy Grain Index +$178	Heavy Grass Index +$131
Percentile	6	7	3	13

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-5.4	+3.5	-2.8	+5.3	+49	+94	+124	+102	+18
Acc	61%	55%	71%	75%	72%	72%	72%	70%	66%
Percentile	90	43	76	74	40	23	22	41	40

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-4.7	+2.2	+6	+0.48	+69	+10.2	-2.4	-3.4	+2.1	+3.6
52%	68%	65%	62%	69%	67%	71%	68%	69%	67%
52	33	49	87	31	3	97	98	4	5
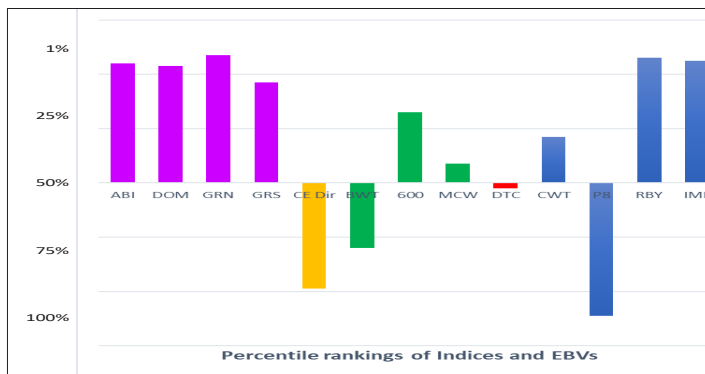
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: All indices in the top 20% of the breed. The mother of this heifer bred well for us. She was a seven year old cow when sold PTIC. The mating to the Rennylea bull gave growth and carcase strength. This heifer provides you with the foundation for breeding high performance modern Angus cattle with longevity.

Purchaser ....$..

LOT 57   MURRAY SURE FIRE Q87^{PV}   IDENT: NURQ87   GRADE: HBR   BORN: 21/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

CONNEALY IN SURE 8524#

SIRE: G A R SURE FIRE^{SV}

CHAIR ROCK 5050 G A R 8086#

DENHOLM GLEN G10 BARTEL J41PV

DAM: MURRAY DG BARTEL N43^{PV}

MURRAY REGENT H43^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$158	Domestic Index +$138	Heavy Grain Index +$174	Heavy Grass Index +$148
Percentile	2	1	4	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+7.3	+0.1	-3.4	+2.9	+54	+97	+125	+104	+19
Acc	59%	51%	70%	73%	68%	68%	69%	66%	62%
Percentile	16	73	67	19	15	16	21	37	32

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.4	+3.7	-2	-0.18	+70	+9.5	-0.1	+1.4	+1.4	+2.5
	43%	63%	56%	58%	66%	64%	68%	64%	67%	64%
	10	3	75	12	27	5	47	9	14	26
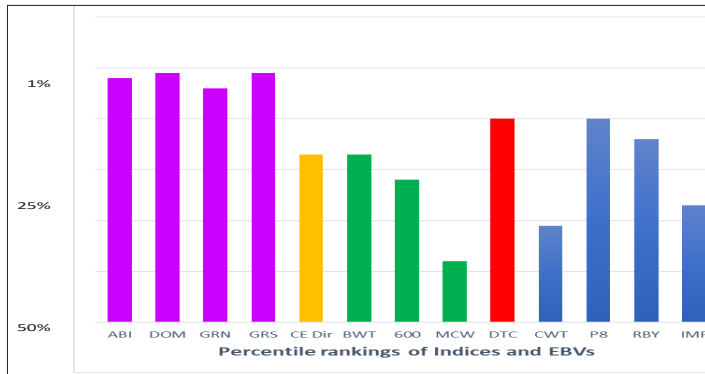
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A Sure Fire daughter with all indices in the top 5% of the breed. She has calving ease, growth and fertility. Heifers of this calibre are important if you are to breed progeny with the performance that is being demanded of Angus cattle. A full flush sister to Q71 so that the mating between Sure Fire and NURN43 seems to have worked well.

Purchaser ....$.......................................

LOT 58   MURRAY H708 Q99^{PV}   IDENT: NURQ99   GRADE: APR   BORN: 24/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511^{PV}

SIRE: RENNYLEA H708^{PV}

RENNYLEA E176^{PV}

TUWHARETOA DIPLOMAT D106PV

DAM: MURRAY DIPLOMAT G115^{SV}

MURRAY SANDY A81#

SELECTION INDEXES

Selection Index	Angus Breeding Index +$143	Domestic Index +$123	Heavy Grain Index +$183	Heavy Grass Index +$121
Percentile	9	14	2	34

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-6.8	-7.1	-1.1	+6.1	+47	+92	+114	+100	+15
Acc	58%	53%	70%	74%	70%	70%	71%	70%	65%
Percentile	93	98	93	88	53	29	45	45	67

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.2	+3.1	-9	+0.27	+64	+7.6	-2.2	-3.2	+1.5	+4.4
	49%	65%	60%	60%	67%	65%	69%	66%	67%	65%
	12	8	90	65	48	18	96	98	12	1
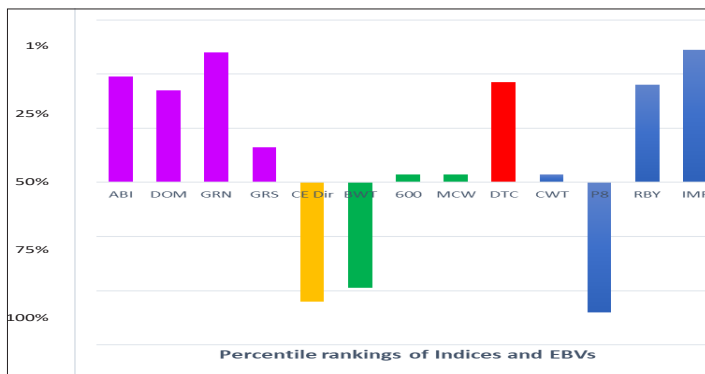
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: An absolute delight if you are wanting to breed Angus cattle to meet the highest market standards. There are only 15 other females in the breed with the same or better combination of IMF% and RBY% EBVs. The mother is an older cow that was sold PTIC earlier this year.

Purchaser ....$.......................................

LOT 59   MURRAY MORELL RED Q171 (RED)^{PV}   IDENT: NURQ171   GRADE: HBR   BORN: 12/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU,RGA

AYRVALE BARTEL E7^{PV}

SIRE: TE MANIA MORELL M1425^{PV}

TE MANIA MITTAGONG J124^{SV}

TE MANIA RED LABEL Z1023 (RED)PV

DAM: MURRAY BLACK LABEL G49^{SV}

MURRAY 1407 Y6^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$145	Domestic Index +$125	Heavy Grain Index +$164	Heavy Grass Index +$134
Percentile	8	10	9	9

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+8.2	+7.2	-5.4	+4.3	+56	+95	+128	+113	+22
Acc	55%	50%	66%	67%	65%	65%	65%	63%	59%
Percentile	12	12	32	50	10	19	16	22	9

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.6	+2.0	+16	+0.28	+73	+6.4	-1.1	-1.7	+0.2	+2.7
	41%	61%	54%	51%	60%	57%	62%	59%	59%	57%
	8	43	19	66	16	35	79	84	63	21
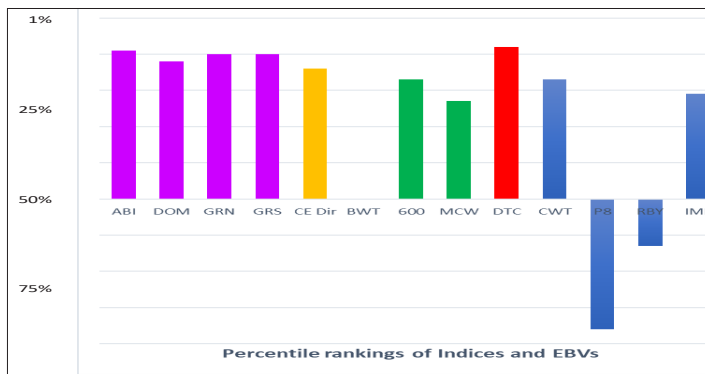
Traits observed: 200WT(x2),DOC,Genomics

Notes: Te Mania Morell is a black bull with a red gene. His indices are in the top 1% of the Angus breed. He gave us the opportunity to breed a very high indexing line of red heifers.

Purchaser ....$.......................................

LOT 60 MURRAY MORELL Q175^{PV} IDENT: NURQ175 GRADE: HBR BORN: 13/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU,RGF

AYRVALE BARTEL E7^{PV}
SIRE: TE MANIA MORELL M1425^{PV}
TE MANIA MITTAGONG J124^{SV}

BIEBER STEAKHOUSE Y165 (RED)#
DAM: MURRAY RED STEAKHOUSE L29 (RED)^{PV}
MURRAY RED STATEMENT J7 (RED)^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$153	Domestic Index +$131	Heavy Grain Index +$170	Heavy Grass Index +$142
Percentile	3	3	6	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.7	+8.6	-7.4	+3.0	+53	+96	+126	+115	+21
Acc	49%	44%	60%	63%	60%	60%	61%	59%	54%
Percentile	6	5	10	21	20	17	19	18	13

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.3	+2.6	-6	+0.21	+69	+8.5	-0.3	+0.0	+0.5	+2.4
	33%	53%	46%	42%	54%	51%	57%	54%	53%	51%
	4	19	85	57	31	10	54	37	49	29
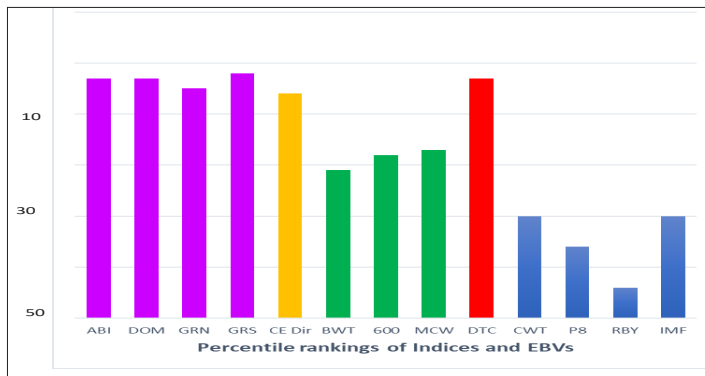
Traits observed: 200WT(x2),DOC,Genomics

Notes: This is a very interesting heifer. She is a black animal. Her father is a red gene carrier and her mother is a red cow but she does not carry a red gene. She carries a black coat gene and a wild type coat gene and there is a small probability that she may have a red calf. For more detail please contact David Murray in the first instance.

Purchaser ....$.......................................

LOT 61 MURRAY MORELL RED Q177 (RED)^{PV} IDENT: NURQ177 GRADE: HBR BORN: 15/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU,RGA

AYRVALE BARTEL E7^{PV}
SIRE: TE MANIA MORELL M1425^{PV}
TE MANIA MITTAGONG J124^{SV}

TE MANIA RED LABEL Z1023 (RED)PV
DAM: MURRAY BLACK LABEL G49^{SV}
MURRAY 1407 Y6^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$146	Domestic Index +$125	Heavy Grain Index +$166	Heavy Grass Index +$134
Percentile	7	10	7	9

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.7	+3.6	-4.9	+5.6	+55	+97	+124	+111	+15
Acc	55%	49%	65%	67%	65%	64%	65%	63%	59%
Percentile	33	42	40	80	12	16	22	24	62

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-9.0	+1.5	+26	+0.28	+66	+3.6	+0.5	+1.4	-1.0	+3.0
	41%	61%	54%	51%	59%	57%	61%	59%	59%	57%
	2	68	5	66	43	84	28	9	95	14
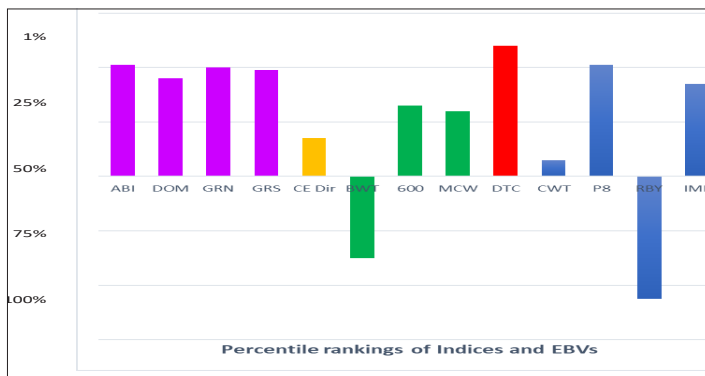
Traits observed: 200WT(x2),DOC,Genomics

Notes: There are only three active red females in the Angus breed with all four indices in the top 20% of the Angus breed. They are this heifer, Q171 above and Q167 below.

Purchaser ....$.......................................

LOT 62 MURRAY PROCEED N68 Q81^{PV} IDENT: NURQ81 GRADE: HBR BORN: 20/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

H P C A PROCEED^{PV}
SIRE: MURRAY PROCEED N68^{PV}
MURRAY GRANDO J105^{SV}

MURRAY PROPHET K76PV
DAM: MURRAY M PROPHET M131^{PV}
MURRAY GRANDO J105^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$165	Domestic Index +$129	Heavy Grain Index +$206	Heavy Grass Index +$144
Percentile	1	5	1	2

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-5.8	+2.1	-6.0	+6.9	+59	+103	+144	+134	+19
Acc	55%	50%	63%	72%	67%	66%	68%	67%	59%
Percentile	91	56	23	95	5	6	3	5	31

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.0	+4.2	-1	+0.91	+80	+8.1	-1.6	-1.3	+1.0	+4.3
	38%	61%	50%	49%	61%	56%	63%	59%	59%	57%
	14	1	70	99	6	13	89	75	27	1
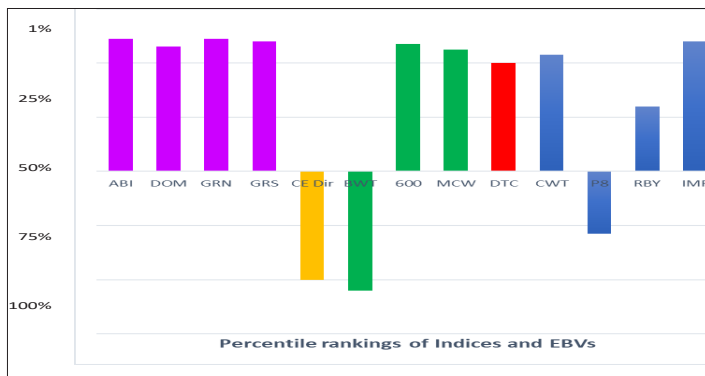
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This heifer has El Grando, H P A C Proceed and G A R Prophet in her pedigree. You could breed very high performance progeny from her with the IMF% needed to meet the meat quality standards for the export market.

Purchaser ....$.......................................

LOT 63 — MURRAY KODAK N70 Q89^{PV}

IDENT: NURQ89   GRADE: HBR   BORN: 22/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^{SV}
SIRE: MURRAY KODAK N70^{PV}
MURRAY WAVE J53^{PV}

MURRAY EMPEROR L52SV
DAM: MURRAY M EMPEROR N101^{PV}
MURRAY DOWNLOAD L1^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$146	Domestic Index +$127	Heavy Grain Index +$173	Heavy Grass Index +$129
Percentile	7	7	4	16

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-1.2	+3.4	-5.6	+5.3	+49	+86	+109	+105	+10
Acc	52%	45%	61%	70%	64%	63%	64%	60%	54%
Percentile	73	43	29	74	39	49	59	34	96

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.9	+3.3	+36	+0.66	+68	+8.1	-0.5	-2.0	+1.7	+3.1
	36%	57%	51%	49%	58%	54%	60%	56%	57%	54%
	2	6	1	96	33	13	61	88	8	12
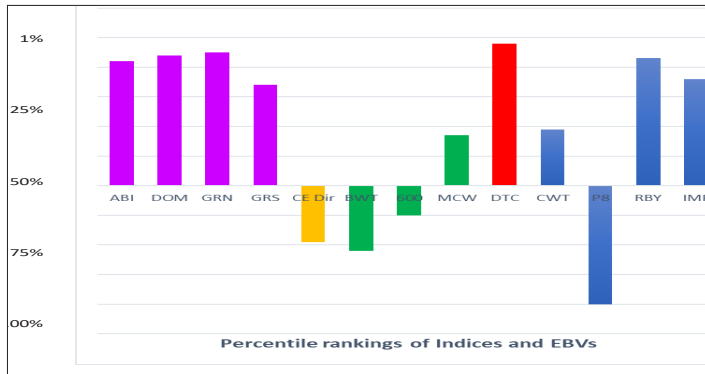
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: This grand daughter of Kodak is in the top quarter of the breed on all indices. We would again like to draw your attention to the very special combination of IMF%, RBY% and fertility that we have been breeding into our animals and which you can now access.

Purchaser .... $ ....

LOT 64 — MURRAY GET CRACKING G10 Q91^{PV}

IDENT: NURQ91   GRADE: HBR   BORN: 23/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA BERKLEY B1^{SV}
SIRE: ALLOURA GET CRACKING G10^{SV}
ALLOURA JEDDA Z15[#]

MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO N23^{PV}
MURRAY OBJECTIVE G81^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$147	Domestic Index +$127	Heavy Grain Index +$177	Heavy Grass Index +$131
Percentile	6	7	3	13

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.4	+4.8	-2.5	+5.0	+54	+94	+119	+109	+14
Acc	57%	51%	82%	73%	69%	69%	70%	67%	62%
Percentile	57	30	80	68	15	22	32	27	76

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.2	+2.0	-14	-0.09	+68	+8.7	-1.0	-1.6	-0.1	+4.0
	46%	65%	59%	58%	66%	63%	67%	64%	63%	63%
	12	43	97	19	33	9	76	82	76	2
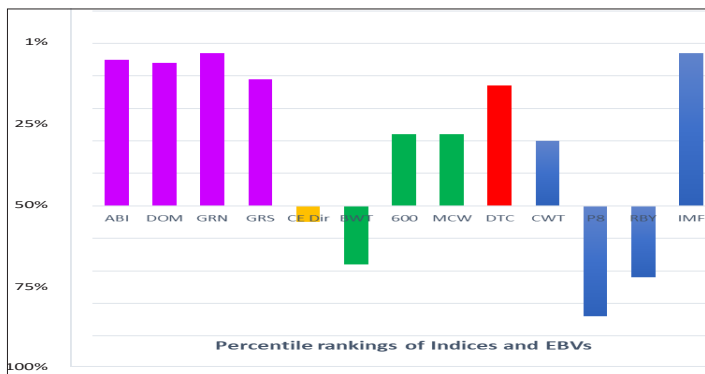
Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: Alloura Get Cracking is a high marbling Berkley son. Murray N23 is a Grando daughter. This heifer has the marbling and the growth that we were looking for. Her EBVs are a sound foundation from which to breed high performing progeny.

Purchaser .... $ ....

LOT 65 — MURRAY H708 Q101^{PV}

IDENT: NURQ101   GRADE: APR   BORN: 28/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA C511^{PV}
SIRE: RENNYLEA H708^{PV}
RENNYLEA E176^{PV}

MURRAY INGENUITY J94PV
DAM: MURRAY M INGENUITY L133^{PV}
MURRAY JACKSON J13^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$136	Domestic Index +$127	Heavy Grain Index +$162	Heavy Grass Index +$122
Percentile	17	7	10	31

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-2.9	+0.6	-0.3	+3.5	+41	+81	+95	+70	+16
Acc	58%	52%	84%	74%	69%	69%	70%	69%	63%
Percentile	81	69	96	30	86	70	88	93	57

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-5.0	+2.7	+8	+0.72	+49	+12.7	-1.1	-2.1	+2.1	+3.8
	49%	64%	59%	59%	67%	64%	68%	65%	66%	64%
	46	16	40	97	93	1	79	90	4	3
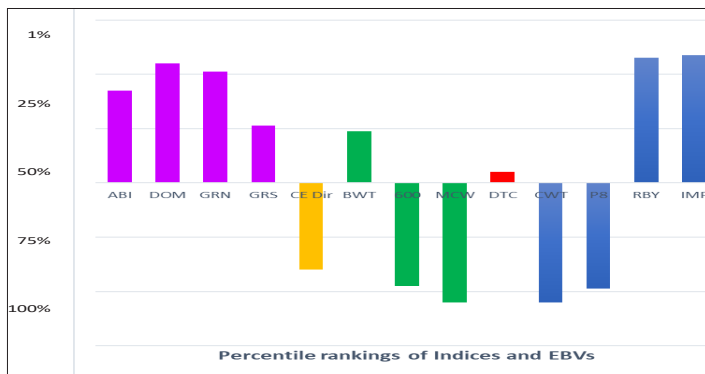
Traits observed: GL,BWT,200WT(x2),DOC,Genomics

Notes: An absolute delight if you are wanting to breed Angus cattle to meet the highest market standards. There are only 15 females in the breed with the same or higher IMF% and RBY% EBVs.

Purchaser .... $ ....

LOT 66   MURRAY SURE FIRE N44 Q107^{PV} → MURRAY SURE FIRE N44 Q107^PV

IDENT: NURQ107   **GRADE: HBR**   **BORN: 3/09/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R SURE FIRE^SV

SIRE: MURRAY SURE FIRE N44^PV

MURRAY EMPEROR L85^PV

MURRAY THUNDERBIRD K30PV

DAM: MURRAY M THUNDERBIRD M107^PV

MURRAY NEW STANDARD K53^PV

SELECTION INDEXES

Selection Index	Angus Breeding Index +$142	Domestic Index +$124	Heavy Grain Index +$156	Heavy Grass Index +$134
Percentile	10	12	14	9

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+3.2	+1.2	-4.2	+4.5	+54	+93	+125	+100	+17
Acc	51%	44%	63%	70%	62%	61%	63%	62%	53%
Percentile	43	64	53	55	15	27	21	44	44

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.6	+1.9	+0	-0.23	+64	+4.5	-0.3	+0.2	+0.6	+2.4
	34%	55%	46%	45%	56%	52%	58%	55%	56%	53%
	19	48	68	9	51	71	54	31	44	29
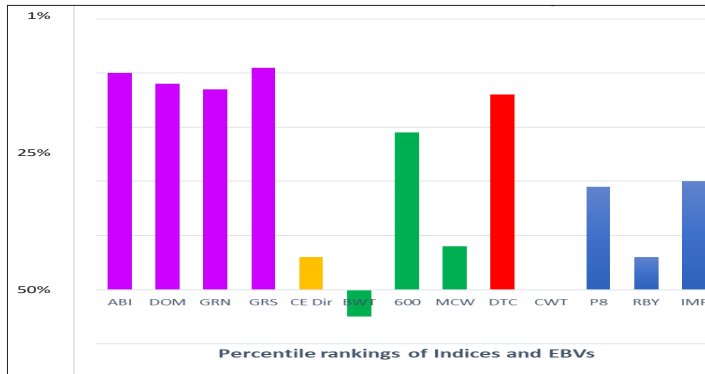
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A daughter of the very popular G A R Sure Fire. Indices are all in the top 20% of the breed. Above average growth with moderate birth weight and mature size EBVs.

Purchaser .... $ ....

LOT 67   MURRAY N70 Q111^PV

IDENT: NURQ111   **GRADE: HBR**   **BORN: 7/09/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^SV

SIRE: MURRAY KODAK N70^PV

MURRAY WAVE J53^PV

ARDROSSAN EXACT E162PV

DAM: MURRAY EXACT L119^PV

MURRAY TEN X J93^SV

SELECTION INDEXES

Selection Index	Angus Breeding Index +$148	Domestic Index +$124	Heavy Grain Index +$171	Heavy Grass Index +$138
Percentile	5	12	5	5

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.5	+3.4	-1.6	+5.9	+59	+106	+148	+131	+20
Acc	52%	45%	65%	71%	64%	62%	64%	62%	54%
Percentile	69	43	89	85	4	4	2	6	20

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-4.7	+5.0	+24	+0.13	+88	+4.8	-1.8	-1.8	+0.9	+2.7
	36%	56%	50%	48%	58%	54%	60%	56%	57%	55%
	52	1	6	46	2	65	92	85	31	21
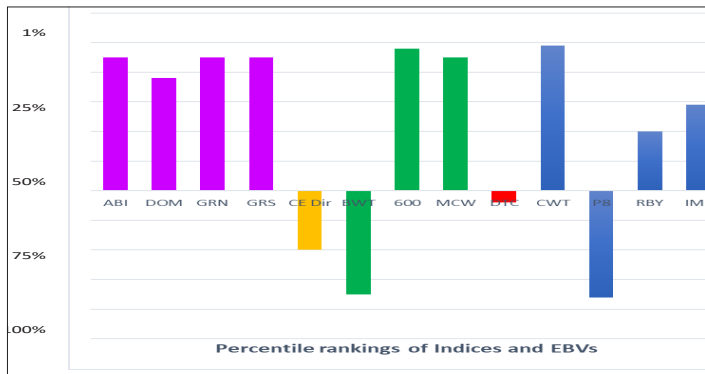
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: Top 20% for all indices. Very high growth but not an excessive birth weight EBV. Carcase EBVs that provide the foundation for breeding high carcase quality animals.

Purchaser .... $ ....

LOT 68   MURRAY GRANDO J136 Q115^PV

IDENT: NURQ115   **GRADE: HBR**   **BORN: 13/09/2019**

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY EL GRANDO G20^SV

SIRE: MURRAY GRANDO J136^PV

MURRAY PREDESTINED F22^PV

EXAR EXPAND 1241#

DAM: MURRAY EXPAND K45^DV

MURRAY UPSHOT H37^PV

SELECTION INDEXES

Selection Index	Angus Breeding Index +$147	Domestic Index +$130	Heavy Grain Index +$165	Heavy Grass Index +$136
Percentile	6	4	8	7

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.5	+3.8	-5.3	+4.6	+50	+88	+116	+94	+17
Acc	56%	49%	70%	73%	69%	68%	69%	67%	61%
Percentile	56	40	34	58	38	43	40	57	46

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.7	+1.7	-13	+0.62	+67	+11.3	-2.3	-2.5	+2.4	+2.3
	46%	62%	59%	57%	65%	63%	67%	63%	65%	63%
	18	58	96	95	38	2	97	94	2	33
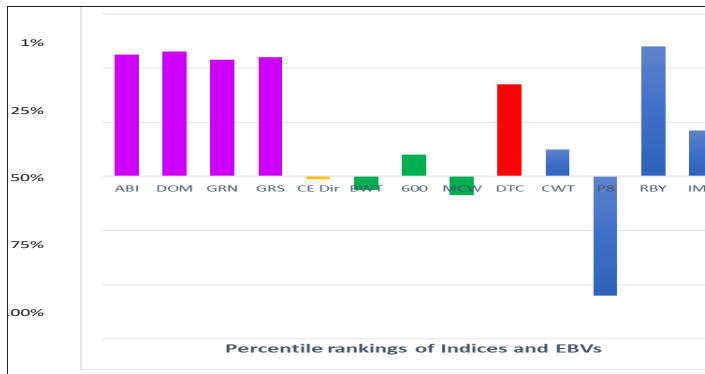
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: Out of a cow that bred very well for us by our own Grando son, NUR J136, that performed so well in Cohort 6 of the Angus Sire Benchmark Programme. Moderate birth weight and mature size with better than average growth. A useful combination of yield and IMF%

Purchaser .... $ ....

LOT 69 — MURRAY DUSTY M13 Q165ᴾⱽ   IDENT: NURQ165   GRADE: HBR   BORN: 8/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

G A R PROPHETˢⱽ
SIRE: CLUNES CROSSING DUSTY M13ᴾⱽ
CLUNES CROSSING GLORIOUS G1ˢⱽ

MURRAY EL GRANDO G20SV
DAM: MURRAY G20 K51ˢⱽ
MURRAY OBJECTIVE G102ᴾⱽ

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$170	Domestic Index +$144	Heavy Grain Index +$202	Heavy Grass Index +$150
Percentile	1	1	1	1

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.3	+6.8	-8.0	+5.1	+56	+94	+119	+89	+21
Acc	57%	49%	67%	71%	69%	67%	67%	65%	58%
Percentile	36	14	6	70	9	22	32	68	16

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-9.4	+1.8	-1	+0.60	+67	+9.2	-0.9	-1.4	+1.4	+3.9
42%	60%	56%	50%	61%	57%	62%	59%	59%	57%
1	53	70	94	36	6	74	77	14	3
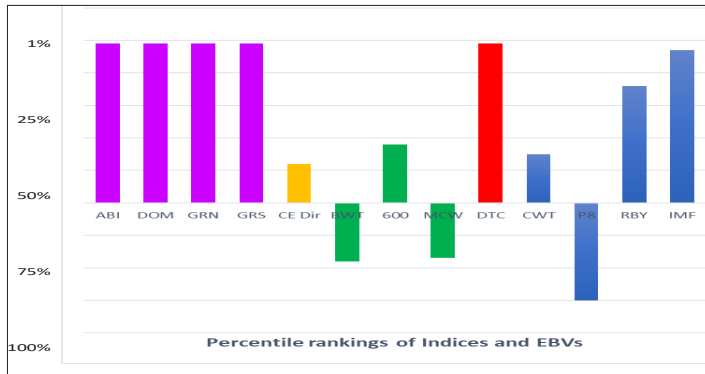
Traits observed: 200WT,400WT,DOC,Genomics

Notes: This heifer is the succesful result of a very intentional mating. Look at the growth curve, the fertility and carcase EBVs. A foundation from which to breed very good progeny.

Purchaser ....$.......................................

LOT 70 — MURRAY NXOL99 Q169ᴾⱽ   IDENT: NURQ169   GRADE: APR   BORN: 12/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

W H S LIMELIGHT 64V#
SIRE: AJC L99ᴾⱽ
AJC J112ˢⱽ

BONGONGO BULLETPROOF Z3PV
DAM: PRIME JAPARA E63ˢⱽ
PRIME JAPARA B43#

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$141	Domestic Index +$128	Heavy Grain Index +$158	Heavy Grass Index +$132
Percentile	11	6	12	11

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+4.9	+7.2	-6.5	+5.7	+51	+87	+113	+85	+14
Acc	53%	46%	70%	70%	68%	66%	68%	65%	59%
Percentile	31	12	17	82	28	46	49	75	73

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.6	+1.7	+2	+0.17	+65	+9.4	-2.1	-2.2	+1.4	+2.6
40%	60%	55%	46%	61%	53%	59%	57%	56%	55%
35	58	62	51	47	6	95	91	14	24
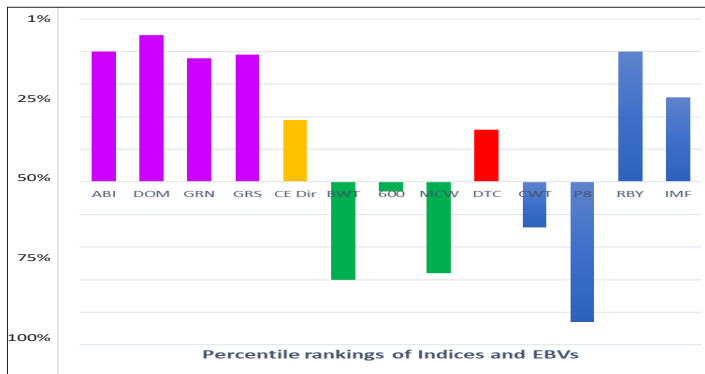
Traits observed: 200WT(x2),DOC,Genomics

Notes: A heifer that could make a contribution to most breeding programmes. She has an outcross pedigree that would give you a lot of choice in your mating decisions.

Purchaser ....$.......................................

LOT 71 — MURRAY MORELL Q179ᴾⱽ   IDENT: NURQ179   GRADE: APR   BORN: 15/07/2019

SIRE:

DAM:

SELECTION INDEXES				
Selection Index	Angus Breeding Index	Domestic Index	Heavy Grain Index	Heavy Grass Index
Percentile				

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV									
Acc									
Percentile									

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF

Notes: Information not currently available.

Purchaser ....$.......................................

LOT 72 — MURRAY GRANDO M112 Q15^PV   IDENT: NURQ15   GRADE: HBR   BORN: 17/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY GRANDO J136^PV
SIRE: MURRAY M GRANDO J136 M112^PV
MURRAY OBJECTIVE G81^PV

RENNYLEA KODAK K522SV
DAM: MURRAY KODAK N19^PV
MURRAY DEEGAN G132^PV

Traits observed: CE,BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$151	Domestic Index +$129	Heavy Grain Index +$165	Heavy Grass Index +$141
Percentile	4	5	8	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.3	+8.1	-4.4	+5.3	+53	+88	+116	+97	+13
Acc	53%	45%	65%	70%	63%	63%	64%	61%	55%
Percentile	50	7	49	74	21	42	41	51	83

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-9.4	+3.3	+20	+0.15	+64	+8.0	+1.3	+1.6	+0.7	+2.3
	38%	58%	50%	49%	59%	56%	61%	57%	59%	56%
	1	6	10	48	52	14	12	7	39	33

Notes: Natural first calf out of a maiden heifer with an exceptional days to calving EBV. Out of a Rennylea Kodak daughter going back to a very productive older cow. In the top 10% of the breed on all indices. This heifer could be a very useful addition to most programmes.

Purchaser .... $ ....

LOT 73 — MURRAY SURE FIRE N44 Q67^PV   IDENT: NURQ67   GRADE: HBR   BORN: 11/08/2019

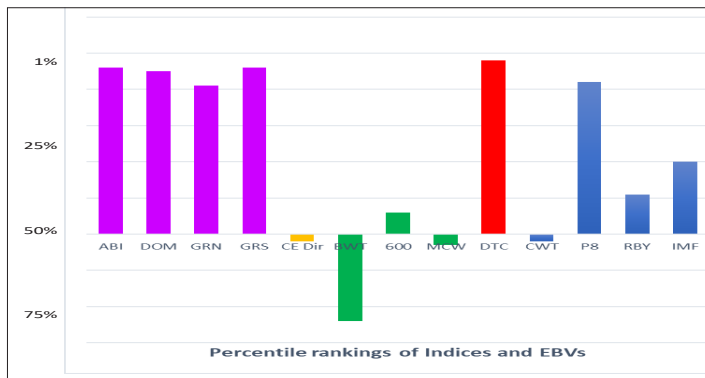**GENETIC STATUS:** AMFU,CAFU,DDFU,NHFU

G A R SURE FIRE^SV
SIRE: MURRAY SURE FIRE N44^PV
MURRAY EMPEROR L85^PV

RENNYLEA KODAK K522SV
DAM: MURRAY KODAK N35^PV
MURRAY M AFRICA L105^PV

Traits observed: CE,BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$142	Domestic Index +$123	Heavy Grain Index +$159	Heavy Grass Index +$131
Percentile	10	14	12	13

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+9.1	+7.5	-5.3	+2.2	+46	+85	+114	+92	+14
Acc	53%	45%	66%	70%	62%	62%	63%	60%	53%
Percentile	8	10	34	10	62	55	45	62	76

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.7	+3.7	+14	-0.04	+56	+1.2	+0.8	+0.5	-0.1	+2.6
	36%	57%	48%	48%	58%	55%	60%	56%	58%	55%
	3	3	22	24	80	99	21	23	76	24
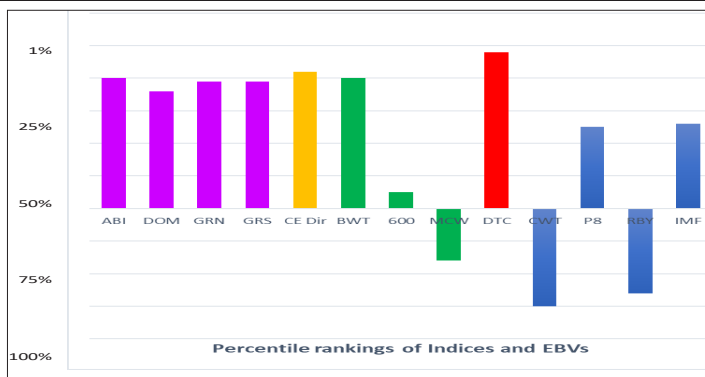
Notes: This heifer has the sort of growth curve that you should be breeding into your cattle. The IMF% EBV provides the foundation for you to add carcase performance to this package. Again the first calf of a very sound heifer.

Purchaser .... $ ....

LOT 74 — MURRAY GENERAL L115 Q79^PV   IDENT: NURQ79   GRADE: HBR   BORN: 19/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

AYRVALE GENERAL G18^PV
SIRE: ESSLEMONT GENERAL L115^PV
ESSLEMONT HAYLEY H4^SV

MURRAY G24 K118PV
DAM: MURRAY K118 N97^PV
MURRAY POWER TOOL K65^PV

Traits observed: BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$140	Domestic Index +$122	Heavy Grain Index +$159	Heavy Grass Index +$129
Percentile	12	16	12	16

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION									
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+2.6	+0.0	-3.8	+4.5	+46	+86	+113	+72	+23
Acc	54%	47%	65%	73%	66%	66%	66%	63%	57%
Percentile	48	73	60	55	60	50	49	91	6

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.3	+4.2	-12	+0.72	+53	+6.3	-0.9	-0.4	+0.6	+3.2
	38%	58%	52%	47%	60%	55%	61%	57%	58%	56%
	23	1	94	97	88	37	74	49	44	10
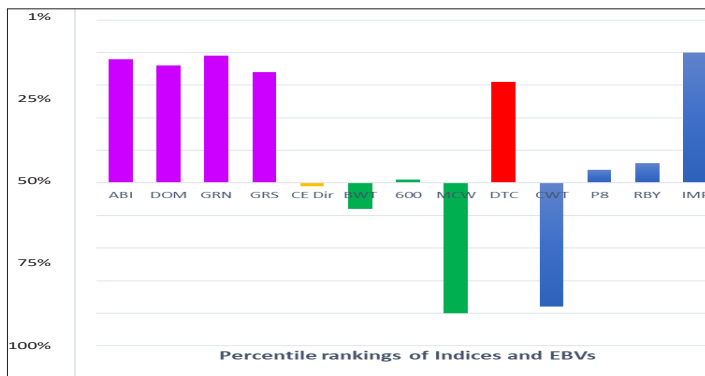
Notes: This heifer has the exceptional growth curve that we associate with the grandfather Ayrvale General G18. IMF% in the top 10 % of the breed. All indices in the top 20% of the Angus breed.

Purchaser .... $ ....

LOT 75 MURRAY KODAK N70 Q93^{PV}

IDENT: NURQ93   GRADE: HBR   BORN: 23/08/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^{SV}
SIRE: MURRAY KODAK N70^{PV}
MURRAY WAVE J53^{PV}

MURDEDUKE HUSSAR H211PV
DAM: MURRAY HUSSAR N63^{PV}
TUWHARETOA E105^{SV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$140	Domestic Index +$117	Heavy Grain Index +$166	Heavy Grass Index +$125
Percentile	12	29	7	24

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+10.3	+8.1	-5.7	+2.5	+42	+79	+107	+95	+14
Acc	52%	46%	62%	70%	64%	63%	64%	61%	55%
Percentile	4	7	28	13	82	74	65	56	71

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-8.4	+3.6	+9	+0.58	+64	+2.8	+1.9	+0.7	-1.2	+3.8
38%	58%	51%	49%	59%	55%	61%	57%	59%	56%
4	3	37	93	50	92	5	19	97	3
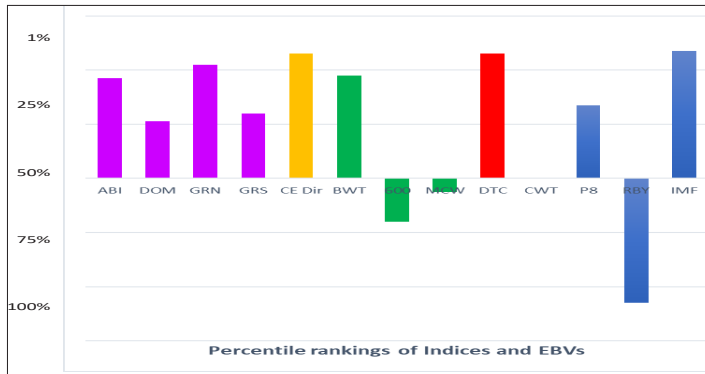
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: Marbling, calving ease and fertility. Join to a bull with growth and you get a very saleable product.

Purchaser .... $ ....

LOT 76 MURRAY KODAK N70 Q109^{PV}

IDENT: NURQ109   GRADE: HBR   BORN: 3/09/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^{SV}
SIRE: MURRAY KODAK N70^{PV}
MURRAY WAVE J53^{PV}

MURRAY EL GRANDO G20SV
DAM: MURRAY GRANDO N29^{PV}
MURRAY OBJECTIVE G81^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$150	Domestic Index +$132	Heavy Grain Index +$167	Heavy Grass Index +$141
Percentile	4	3	7	3

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	-0.6	+4.0	-6.0	+5.6	+61	+102	+141	+139	+15
Acc	54%	48%	63%	70%	65%	64%	65%	62%	57%
Percentile	70	38	23	80	3	7	4	3	60

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-5.4	+5.2	+5	+0.02	+86	+10.2	-2.8	-4.0	+3.6	+1.4
40%	59%	52%	50%	61%	57%	62%	58%	60%	57%
39	1	50	31	2	3	99	99	1	70
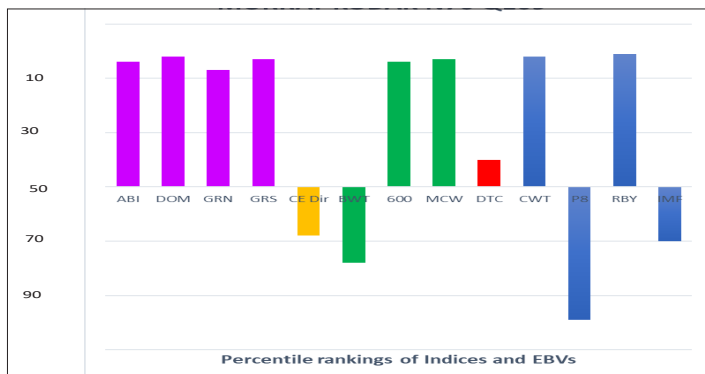
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: A very high performance pedigree going back to our Grando and Rennylea Kodak. High growth EBVs together with carcase weight, eye muscle area and meat yield.

Purchaser .... $ ....

LOT 77 MURRAY KODAK N70 Q113^{PV}

IDENT: NURQ113   GRADE: HBR   BORN: 7/09/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

RENNYLEA KODAK K522^{SV}
SIRE: MURRAY KODAK N70^{PV}
MURRAY WAVE J53^{PV}

G A R MOMENTUMPV
DAM: MURRAY MOMENTUM N71^{PV}
MURRAY WAVE J43^{PV}

SELECTION INDEXES

Selection Index	Angus Breeding Index +$161	Domestic Index +$139	Heavy Grain Index +$189	Heavy Grass Index +$146
Percentile	1	1	1	2

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.3	+3.3	-8.0	+3.6	+53	+96	+124	+102	+16
Acc	55%	48%	63%	71%	66%	65%	66%	63%	58%
Percentile	29	45	6	33	21	18	22	40	52

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.6	+3.4	+24	+0.85	+78	+9.8	-0.7	-1.6	+1.5	+3.4
38%	60%	53%	49%	60%	57%	62%	59%	59%	57%
19	5	6	99	8	4	68	82	12	7
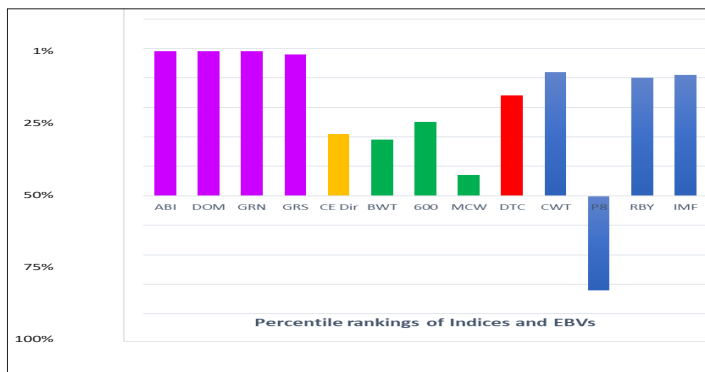
Traits observed: BWT,200WT(x2),DOC,Genomics

Notes: Another heifer from a natural mating of a maiden heifer. Calving ease, growth and superior carcase EBVs.

Purchaser .... $ ....

LOT 78 — MURRAY GRANDO J136 Q123^{PV}

IDENT: NURQ123 GRADE: HBR BORN: 24/09/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

MURRAY EL GRANDO G20^{SV}
SIRE: MURRAY GRANDO J136^{PV}
MURRAY PREDESTINED F22^{PV}
BALDRIDGE DOWNLOAD Z013#
DAM: MURRAY DOWNLOAD L1^{PV}
MURRAY AMBUSH 28 G34^{PV}

Traits observed: BWT,200WT(x2),DOC,Genomics

SELECTION INDEXES

Selection Index	Angus Breeding Index +$137	Domestic Index +$124	Heavy Grain Index +$156	Heavy Grass Index +$126
Percentile	16	12	14	22

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.0	+8.8	-5.8	+4.8	+47	+83	+110	+88	+14
Acc	55%	47%	66%	72%	68%	68%	69%	66%	61%
Percentile	59	5	26	63	58	60	56	70	73

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-6.8	+2.1	+18	-0.13	+59	+5.5	-3.0	-2.9	+2.0	+2.4
	44%	62%	58%	56%	65%	62%	67%	63%	65%	63%
	16	38	13	16	69	52	99	96	5	29
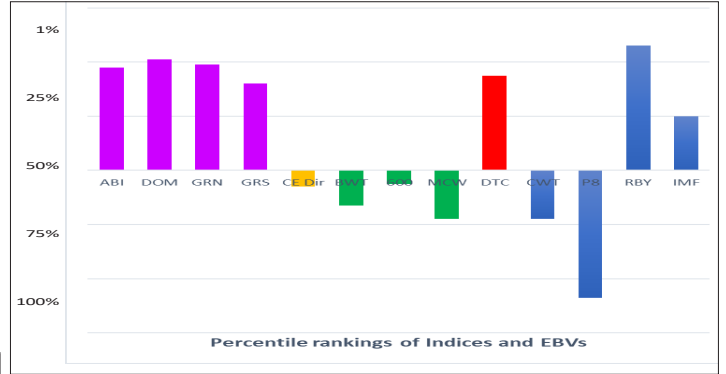
Notes: Top 20% all indices. Extreme calving ease and good carcase EBVs. A sound heifer to add to a breeding programme.

Purchaser .... $ ....

LOT 79 — MURRAY PROCEED N68 Q125^{PV}

IDENT: NURQ125 GRADE: HBR BORN: 24/09/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

H P C A PROCEED^{PV}
SIRE: MURRAY PROCEED N68^{PV}
MURRAY GRANDO J105^{SV}
CIRCLE A INCENTIVE#
DAM: MURRAY INCENTIVE H99^{PV}
TE MANIA QUEANBEYAN D113^{PV}

Traits observed: BWT,200WT,Genomics

SELECTION INDEXES

Selection Index	Angus Breeding Index +$144	Domestic Index +$122	Heavy Grain Index +$173	Heavy Grass Index +$127
Percentile	8	16	4	20

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.0	+4.7	-6.4	+3.1	+48	+83	+107	+98	+18
Acc	55%	49%	62%	70%	66%	65%	66%	64%	60%
Percentile	59	31	19	22	51	62	64	49	37

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-8.6	+3.2	-	+0.73	+68	+7.6	+0.2	-0.2	-0.1	+4.1
	41%	62%	-	48%	60%	57%	61%	59%	58%	57%
	3	7	-	98	34	18	37	43	76	2

Notes: The mother of this heifer bred very well for us. The father, N68, is a Proceed son out of a Grando daughter. A high marbling heifer that could be expected to breed marbling into her progeny.

Purchaser .... $ ....

LOT 80 — MURRAY RED LABEL RED Q163 (RED)^{PV}

IDENT: NURQ163 GRADE: HBR BORN: 6/07/2019

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU

TE MANIA VICEROY V342^{SV}
SIRE: TE MANIA RED LABEL Z1023 (RED)^{PV}
TE MANIA MITTAGONG V254#
TE MANIA DAIQUIRI D19PV
DAM: MURRAY RED DAIQUIRI H51 (RED)^{SV}
STRATHEWEN YORKSHIRE DREAM C85^{PV}

Traits observed: 200WT(x2),DOC,Genomics

SELECTION INDEXES

Selection Index	Angus Breeding Index +$131	Domestic Index +$116	Heavy Grain Index +$148	Heavy Grass Index +$121
Percentile	25	33	21	34

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION

	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+1.1	+1.8	-10.9	+5.6	+48	+89	+114	+113	+12
Acc	59%	54%	68%	70%	68%	68%	68%	67%	64%
Percentile	59	59	1	80	50	38	46	22	88

	DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
	-7.3	+3.2	+11	+0.31	+54	+4.4	+0.4	+1.0	-0.2	+2.7
	46%	65%	58%	53%	63%	61%	64%	62%	62%	61%
	11	7	30	70	85	72	31	14	79	21
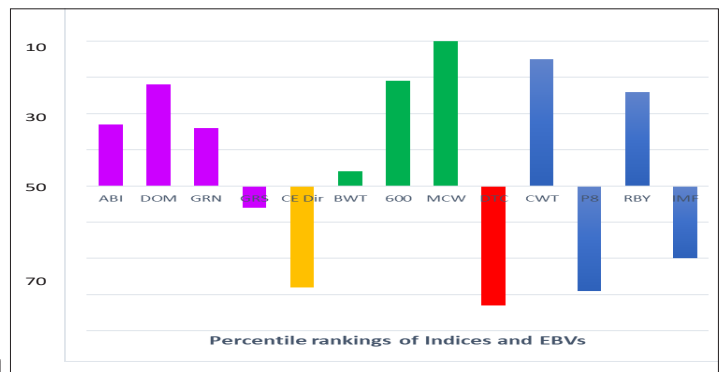
Notes: A red heifer. A full flush sister to Q173 with the same Te Mania breeding.

Purchaser .... $ ....

GENETIC STATUS: AMFU,CAFU,DDFU,NHFU
TE MANIA VICEROY V342[SV]
SIRE: TE MANIA RED LABEL Z1023 (RED)[PV]
TE MANIA MITTAGONG V254[#]

TE MANIA DAIQUIRI D19PV
DAM: MURRAY RED DAIQUIRI H51 (RED)[SV]
STRATHEWEN YORKSHIRE DREAM C85[PV]

SELECTION INDEXES				
Selection Index	Angus Breeding Index +$124	Domestic Index +$112	Heavy Grain Index +$143	Heavy Grass Index +$113
Percentile	39	46	27	56

JULY 2020 TRANSTASMAN ANGUS CATTLE EVALUATION								
	CED	CEM	GL	BWT	200	400	600	MCW	MILK
EBV	+5.3	+4.1	-4.6	+1.7	+32	+72	+88	+61	+22
Acc	59%	54%	68%	70%	68%	68%	68%	67%	64%
Percentile	29	37	46	6	99	91	95	97	8

DC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
-6.8	+2.7	+11	+0.95	+41	+5.1	+1.5	+1.3	-1.1	+3.8
46%	65%	58%	53%	63%	61%	65%	62%	62%	61%
16	16	30	99	99	59	9	10	96	3
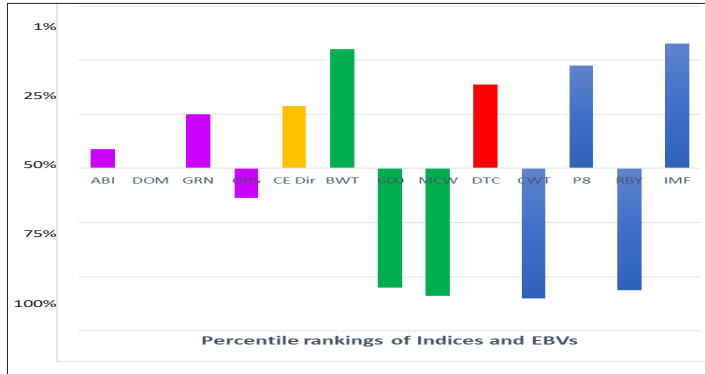
Traits observed: 200WT(x2),DOC,Genomics

Notes: This red heifer is by Te Mania Red Label out of a Te Mania Daiquiri daughter. She has an exceptionally high IMF% EBV for a red Angus.

Purchaser ....$...

KILBURNIE ANGUS

REFERENCE SIRE
BREEDPLAN EBV SUMMARY

GREEN, BLUE, RED AND BLACK

We use Green, Red, Blue and Black in the following table to indicate where these animals are relative to the Angus breed.

INDICES are shaded with the **black** numbers in the top half (**50%**) of the breed. The **red** figures are in the top **20%** of the breed. The **blue** figures are in the top **5%** of the breed. The **green** figures are in the top 1% of the breed.

EBVs are shaded with the **red** numbers in the top half (**50%**) of the breed. The **blue** figures are in the top half (**50%**) of the breed and the **green** figures are in the top **25%** of the breed.

In both cases the unshaded (plain black) numbers are in the bottom half of the breed.

We show all four $indices and all EBVs. In addition we show the birthweight EBV since some people see it as a more accurate predictor of calving ease than the calving ease EBV. The Indices and EBVs for these animals were extracted from information derived from an Angus Database Search between June 1 and June 15, 2020. Note that the information on pages 14 - 43 was extracted by the Angus Society mid July 2020.

ID	Name	Sire Ident	Dam Ident	ABI	DOM	GRN	GRS	Dir	Dtrs	GL	Bwt	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
				\$ Index				Calv Ease		Birth		Growth				Milk	Fertility			Other		Carcase				
DBLL292	TOPBOS LEADING EDGE L292 PV	HBR USA16295688	VSNF04	165	139	187	154	-0.3	4.0	-5.4	6.9	75	131	174	163	23	-6.5	2.0	18	0.12	91	4.5	-0.7	-2.2	0.7	2.2
DGJG10	ALLOURA GET CRACKING G10 SV	HBR VTMB1	DGJZ15	148	132	180	130	9.8	10.2	-3.7	2.8	44	81	89	78	13	-8.5	-0.1	-18	0.77	56	13.6	1.4	0.1	-1.1	5.0
NHZF1023	HAZELDEAN F1023 SV	APR VTMB1	NHZB723	131	108	170	111	6.5	3.5	-3.4	3.6	39	73	93	84	11	-7.3	3.5	-2	1.44	65	6.9	3.2	0.0	-3.1	5.9
NJWJ53	MILWILLAH MARBLE BAR J53 (RED) HBR	NJWF37	NJWG291	133	114	149	124	3.6	5.9	-7.6	5.8	55	96	131	137	14	-7.1	2.9	15	0.05	68	1.3	0.2	0.1	-0.6	2.3
NORH708	RENNYLEA H708 PV	APR NORC511	NORE176	166	137	222	139	-7.6	-0.9	1.3	4.8	50	102	131	113	13	-4.4	2.8	9	0.81	73	10.1	-3.3	-4.7	1.9	5.7

We used this very high growth rate son of G A R Prophet as an outcross sire. He has better than breed average carcase (Retail Beef Yield and IMF%) and high fertility EBVs.

This son of Berkley was tested in cohort 4 of the ASBP and that progeny test revealed his very high IMF% EBV. His progeny also indexed very highly on the MSA Index compared to those of other bulls. The MSA index is the measurement that will almost certainly be used to determine premiums for meat quality in the future. We used him to put marbling genes into our herd. The progeny have inherited this very valuable trait - Q044 and Q049 have particularly high marbling.

This son of Berkley was tested in cohort 3 of the ASBP and the progeny test confirmed his very high IMF% EBV. Again this high marbling meant that the progeny also indexed very highly on the MSA Index. He now has more than 400 recorded progeny. We are offering five sons for sale. We used him over selected APR cows in the Highrent herd. Note that these bulls have a combination of calving ease and very high IMF%. If you are trying to improve the meat quality in your herd you can start by joining these bulls to your heifers and retaining the female progeny as breeders. Additionally you might note that Highrent now has some very high IMF% animals in their herd.

Marble Bar is one of the highest performing red Angus bulls in Australia. We used him over some of our red animals to put this performance into their offspring.

The Angus Sire Benchmark Program confirmed the very high performance of this bull. He was the bull with the highest IMF% in cohort 5 and his progeny, as a group, had the highest performance on the MSA Index. He now has 349 progeny including some in the country's most prestigious herds. I suspect that had he been an HBR bull he would have many more progeny.

Colour coding for Percentile — Distribution of Indices and EBVs

Percentile	ABI	DOM	GRN	GRS		Percentile	Dir	Dtrs	GL	Bwt	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
1%	160	136	187	147																					
5%	148	129	170	138		10%	8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
20%	134	121	149	127		25%	5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
50%	119	111	125	116		50%	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

ID	Name	Sire Ident	Dam Ident	$ Index ABI	DOM	GRN	GRS	Calv Ease Dir	Dtrs	Birth GL	Bwt	Growth 200	400	600	MCW	Fertility Milk	DTC	SS	Other DOC	NFI-F	CWT	Carcase EMA	RIB	P8	RBY	IMF
NORK522	RENNYLEA KODAK K522 SV	HBR NORE11	NORF810	159	129	192	141	11.7	10.4	-6.4	1.7	48	90	121	116	10	-8.7	4.7	-5	0.87	68	3.6	3.2	1.3	-1.2	4.2
NURJ136	MURRAY GRANDO J136 PV	HBR NURG20	NURF22	167	139	196	152	7.1	10.6	-9.3	3.7	48	87	122	78	26	-6.4	3.9	4	0.78	69	11.1	-1.5	-1.6	1.9	3.5
NURL154	MURRAY RED ENDORSEMENT L154	HBR USA1331520	NURJ19	112	115	111	113	3.0	5.5	-2.9	2.9	49	87	109	93	15	-2.9	1.7	-3	0.17	58	8.7	-0.8	-2.4	1.5	1.3
NURM98	MURRAY M POWER TOOL M98 SV	HBR NURK22	NURK129	114	111	124	109	0.3	-1.5	-2.6	3.3	47	79	97	57	15	-5.1	1.3	35	0.19	52	4.0	-0.7	-0.8	0.2	3.0
NURM112	MURRAY M GRANDO J136 M112 PV	HBR NURJ136	NURG81	153.0	127.0	174.0	143.0	6	10	-6	2	53.0	94.0	134	104.00	20	-5.3	2.6	19.0	0.3	71.0	5.8	-0.3	-0.7	0.3	3.0
NURN44	MURRAY SURE FIRE N44 PV	HBR USA17328461	NURL85	144	124	157	135	1.6	2.3	-2.1	4.5	54	95	127	114	15	-8.9	3.4	6	-0.36	70	3.6	0.5	0.8	0.6	1.9
NURN68	MURRAY PROCEED N68 PV	HBR USA16956101	NURJ105	164	130	202	144	0.4	2.0	-8.6	5.1	54	98	132	115	24	-8.3	4.1	0	1.14	78	7.7	0.8	0.2	-0.3	4.6
NURN70	MURRAY KODAK N70 PV	HBR NORK522	NURJ53	156	132	182	141	4.0	4.7	-3.3	4.0	54	93	126	126	15	-8.5	5.6	12	0.43	78	7.5	-0.4	-1.4	1.5	2.8
NXOL99	AJC L99 PV	APR USA16073564	NXOJ112	175	147	203	160	5.3	5.2	-6.1	5.7	67	115	150	130	17	-8.2	3.7	-3	0.53	92	7.0	-0.6	-0.6	0.7	3.1
QMUM13	CLUNES CROSSING DUSTY M13 PV	HBR USA16295688	QMUG1	185	160	211	170	4.4	6.1	-8.6	5.5	68	114	143	101	19	-8.5	1.3	-21	0.34	85	12.8	-0.7	-2.1	2.4	2.8
USA17354047	G A R SCALE HOUSE PV	HBR USA14777016	USA16496696	179	159	204	167	-1.2	2.9	-2.9	4.8	75	128	161	136	16	-5.4	2.3	6	-0.02	88	12.1	-2.1	-3.7	3.3	2.4
USA18066037	V A R LEGEND 5019 SV	HBR USA17262835	USA16924432	158	149	182	148	-2.1	2.1	-6.6	4.9	69	127	156	141	18	-2.3	2.6	1	-0.08	92	8.1	-3.6	-5.3	3.6	2.3
USA17328461	G A R SURE FIRE SV	HBR USA16205036	USA16431932	154	138	173	140	6.4	-0.6	-3.5	2.2	51	91	109	94	18	-9.8	4.0	12	-0.24	65	7.8	-1.0	0.8	1.5	2.8
VTMJ678	TE MANIA JUDD J678 PV	HBR USA15738589	VTME480	130	113	146	124	5.4	1.5	-5.2	5.0	59	99	142	146	17	-3.3	0.1	-19	-0.12	83	4.6	-1.5	-3.4	0.7	2.1
USA17623660	G A R PROPHECY SV	HBR USA16295688	USA17056736	142	123	165	131	1.9	5.5	-3.4	3.3	60	101	132	106	24	-5.9	2.0	16	0.16	70	5.2	-0.9	-1.2	-0.9	3.8
VTML107	TE MANIA LONGSHOT L107 SV	HBR USA16295688	VTMJ1125	139	122	151	130	10.6	6.0	-4.9	1.6	51	85	101	54	20	-9.3	0.4	1	0.76	55	6.3	3.4	4.1	-2.8	4.0
VTMM1425	TE MANIA MORELL M1425 PV	HBR HIOE7	VTMJ124	173	146	207	155	11.4	10.8	-8.5	3.0	61	110	140	127	22	-8.2	1.8	-6	0.15	80	7.5	-1.8	-1.5	0.2	3.9
VTMZ1023	TE MANIA RED LABEL Z1023 (RED) F	HBR VTMV342	VTMV254	121	110	136	111	2.6	2.0	-3.6	4.0	39	79	93	50	17	-8.7	1.3	12	0.65	58	0.8	1.3	1.9	-2.3	3.6
WWEL115	ESSLEMONT GENERAL L115 PV	HBR HIOG18	WWEH4	172	146	205	156	7.3	3.4	-4.9	3.8	52	101	135	97	27	-6.6	3.5	1	0.50	62	10.8	-4.1	-4.2	2.9	3.1

Breeder comments

- **NORK522** — We used Kodak intensively in 2016 when we first made a comprehensive effort to increase the IMF% in our herd. We felt that Kodak could combine marbling with calving ease, reasonable growth and fertility. We have been happy with his performance and have used a son, NURN70, as one of our main natural joining sires. Kodak was tested in cohort 7 of the ASBP.
- **NURJ136** — J136 is a son of El Grando that performed so well in cohort 3 of the ASBP. J136 was tested in Cohort 6 of the ASBP and was the second highest performing bull in that cohort for IMF% and the MSA index of his progeny. His attraction to us has been that he has very good carcase EBVs, adequate growth and a moderate birth weight. His mother was a very moderate framed high marbling daughter of G A R Predestined.
- **NURL154** — A red bull that we used as a back up over our red females. His father, Brown Endorsement, is a high performance American Red Angus bull.
- **NURM98** — We are one of the few herds in the country that has been collecting structural scores for all our animals and submitting them to the Angus Society for inclusion in Breedplan (now TACE). M98 and his father, K22, were animals with exceptional structural EBVs and we have seen fit to keep that line of animals in our herd. Their pedigree traces back to P A Power Tool, that in turn goes back to G A R Predestined that is in the pedigree of J136.
- **NURM112** — We used this bull lightly in our programme. His pattern of EBVs with low birth weight, adequate growth, relatively light mature weight and sound carcase EBVs fitted our objectives.
- **NURN44** — We used this son of G A R Sure Fire (out of a Te Mania Emperor daughter) lightly, as an outcross bull, over some of our first calf heifers and as a back up to our AI programme.
- **NURN68** — This bull is the result of a very succesful flush of our Grando daughter, NURJ105, to H P C A Proceed. N68 was one of the first bulls with high growth and high marbling that we could access for natural use. His calving ease was such that we used him over maiden heifers.
- **NURN70** — This bull was our choice of the calves born in 2017 to use over our heifers in 2018. We used him again in 2019. He will also have calves born in the ASBP this year and will, in due course, have progeny tested in that program. Every year we have had bulls tested in the program and feel that it is a very valuable tool in that it allows us to have head to head comparisons with some of the outstanding young animals in the breed. The increased accuracy which this gives us has been important. He could be an ideal link bull in a smaller seedstock herd.
- **NXOL99** — We were fortunate to be able to obtain semen of this very impressive son of W H S Limelight from Arthur Cox. His pedigree goes back very strongly to G A R Predestined and his EBVs speak for themselves. On inspection he was one of the quietest bulls that I have seen and also one of the soundest. He was born in 2015 and is still in the elite offering of bulls that are in the top 1% of the breed on all the indices.
- **QMUM13** — An exceptional young sire with very high performance coming from his father, G A R Prophet, and Berkley on his mother's side. He has the combination of EBVs that we look for. We have been very impressed by the progeny we have seen.
- **USA17354047** — We used Scale House intensively and have no regrets for having done so. He has a moderate birth weight, high growth rate, a relatively low mature weight EBV and has good carcase figures. He has a days to calving EBV that is good for such a high growth animal carrying very little body fat. We have been very happy with his calves and leave you to make your judgement of them.
- **USA18066037** — We used Legend lightly in our breeding programme. He has a set of EBVs that are very similar to Scale House. His calves are visually very attractive.
- **USA17328461** — Sure Fire has produced some very good looking progeny. He has calving ease and early growth. We used a very good son of his (NURN44) in 2018 over some of our maiden heifers.
- **VTMJ678** — This bull is the father of Te Mania Norvel, lot 2 in the catalogue.
- **USA17623660** — We used this son of G A R Prophet lightly. On the mother's side of the pedigree there is a link to B/R Ambush 28 that bred very well for us. We got the lift in IMF% that we expected and wanted from this joining.
- **VTML107** — We were fortunate to be able to buy a share of this Te Mania bull. He is a son of G A R Prophet that has performed so well in Australia. He is the father of NURP92, Lot 3 in the catalogue.
- **VTMM1425** — This black bull carries a red gene. Used over our red cows we have been able to obtain some exceptional red Angus animals. The father of this bull is Ayrvale Bartel E7 and the mother is a G A R Twinhearts daughter. If you wish to breed red Angus cattle with the performance of black Angus cattle the red (red carrier) progeny of Morell should be looked at carefully. We are very grateful to Ian McLeod who made it possible for us to access this semen.
- **VTMZ1023** — Over the years we have had a number of calves from Red Label. He provided the base from which we introduced red genes into our animals. We still regard him as one the safest bulls to breed from.
- **WWEL115** — The father of this bull, Ayrvale General, has bred very well for a lot of herds. Lindsey Wolrige bred Lotto and now he has bred L115. Had we been breeding cows this year we would have joined a number of them to this bull. So thank you to Richard and to Lindsey.

Colour coding for Percentile / Distribution of Indices and EBVs

	ABI	DOM	GRN	GRS	Dir	Dtrs	GL	Bwt	200	400	600	MCW	Milk	DTC	SS	DOC	NFI-F	CWT	EMA	RIB	P8	RBY	IMF
1%	160	136	187	147																			
5%	148	129	170	138																			
10%					8.5	7.4	-7.3	2.2	56	100	132	123	22	-7.3	3.0	20	-0.19	76	8.5	1.4	1.3	1.6	3.2
20%	134	121	149	127																			
25%					5.8	5.4	-5.9	3.2	52	93	122	110	19	-6.1	2.4	13	-0.01	70	7.1	0.6	0.4	1.1	2.6
50%	119	111	125	116	2.3	2.8	-4.4	4.3	48	86	112	97	17	-4.8	1.9	5	0.17	64	5.6	-0.1	-0.4	0.5	1.9

TransTasman Angus Cattle Evaluation - July 2020 Reference Tables

BREED AVERAGE EBVs

	Calving Ease		Birth		Growth					Fertility		Carcase						Other							Selection Indexes			
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DTC	CWT	EMA	RIB	P8	RBY	IMF	NFI-F	DOC	FA	FC	RA	RH	RS	ABI	DOM	GRN	GRS
Brd Avg	+1.8	+2.4	-4.4	+4.3	+48	+86	+112	+98	+17	+1.9	-4.8	+64	+5.7	-0.1	-0.4	+0.5	+2.0	+0.16	+5	+1	+0	-1	-0.5	-0.3	+117	+110	+124	+114

* Breed average represents the average EBV of all 2018 drop Australian Angus and Angus-influenced seedstock animals analysed in the July 2020 TransTasman Angus Cattle Evaluation .

PERCENTILE BANDS TABLE

% Band	Calving Ease		Birth		Growth					Fertility		Carcase						Other							Selection Indexes			
	CEDir	CEDtrs	GL	BW	200	400	600	MCW	Milk	SS	DTC	CWT	EMA	RIB	P8	RBY	IMF	NFI-F	DOC	FA	FC	RA	RH	RS	ABI	DOM	GRN	GRS
1%	+12.1	+10.6	-10.2	+0.4	+64	+113	+152	+149	+27	+4.1	-9.4	+88	+11.6	+3.0	+3.0	+2.6	+4.3	-0.53	+33	+22	+24	+15	+4.6	+0.3	+160	+136	+187	+147
5%	+9.9	+8.6	-8.3	+1.6	+58	+104	+139	+131	+24	+3.4	-8.1	+80	+9.5	+1.9	+1.8	+2.0	+3.6	-0.32	+25	+16	+19	+11	+2.9	+0.3	+148	+129	+171	+138
10%	+8.5	+7.5	-7.3	+2.2	+56	+100	+132	+123	+22	+3.0	-7.4	+76	+8.5	+1.4	+1.3	+1.6	+3.2	-0.21	+20	+14	+17	+9	+2.1	+0.3	+142	+125	+161	+133
15%	+7.5	+6.7	-6.7	+2.6	+54	+97	+128	+118	+21	+2.8	-6.9	+74	+7.9	+1.1	+0.9	+1.4	+3.0	-0.14	+17	+11	+14	+7	+1.7	+0.3	+138	+123	+155	+130
20%	+6.6	+6.0	-6.3	+2.9	+53	+95	+125	+114	+20	+2.6	-6.5	+72	+7.4	+0.9	+0.7	+1.2	+2.8	-0.08	+15	+10	+12	+6	+1.5	+0.3	+134	+121	+149	+127
25%	+5.8	+5.4	-5.9	+3.2	+52	+93	+122	+110	+19	+2.4	-6.2	+70	+7.1	+0.6	+0.5	+1.1	+2.6	-0.03	+13	+8	+11	+5	+1.1	+0.2	+131	+119	+144	+125
30%	+5.1	+4.8	-5.6	+3.5	+51	+91	+120	+107	+19	+2.3	-5.9	+69	+6.7	+0.5	+0.3	+1.0	+2.4	-0.01	+11	+7	+9	+4	+0.9	+0.2	+129	+117	+140	+123
35%	+4.4	+4.3	-5.2	+3.7	+50	+90	+118	+105	+18	+2.2	-5.6	+68	+6.4	+0.3	+0.1	+0.8	+2.3	-0.05	+10	+6	+7	+3	+0.7	+0.2	+126	+116	+136	+121
40%	+3.7	+3.8	-4.9	+3.9	+49	+89	+116	+102	+18	+2.1	-5.3	+66	+6.2	+0.1	-0.1	+0.7	+2.1	-0.09	+8	+5	+6	+2	+0.4	+0.2	+124	+114	+132	+119
45%	+3.0	+3.3	-4.6	+4.1	+49	+87	+114	+100	+17	+2.0	-5.1	+65	+5.9	+0.0	-0.2	+0.6	+2.0	-0.12	+7	+4	+4	+1	+0.2	+0.1	+121	+113	+129	+117
50%	+2.3	+2.8	-4.4	+4.3	+48	+86	+112	+97	+17	+1.9	-4.8	+64	+5.6	-0.2	-0.4	+0.5	+1.9	-0.16	+5	+3	+2	+0	+0.0	+0.1	+119	+111	+125	+115
55%	+1.6	+2.2	-4.1	+4.5	+47	+85	+110	+95	+16	+1.8	-4.6	+63	+5.4	-0.3	-0.6	+0.4	+1.8	-0.20	+4	+2	+1	-1	-0.3	+0.0	+117	+110	+122	+114
60%	+0.9	+1.7	-3.8	+4.7	+46	+83	+109	+92	+15	+1.7	-4.3	+62	+5.1	-0.4	-0.7	+0.3	+1.7	-0.23	+2	+0	-1	-2	-0.5	-0.1	+114	+108	+118	+112
65%	+0.1	+1.1	-3.5	+4.9	+45	+82	+107	+90	+15	+1.6	-4.1	+60	+4.8	-0.6	-0.9	+0.2	+1.6	-0.27	+1	-1	-4	-3	-0.7	-0.2	+111	+107	+114	+110
70%	-0.7	+0.4	-3.2	+5.1	+44	+80	+104	+87	+14	+1.5	-3.8	+59	+4.6	-0.7	-1.1	+0.1	+1.4	-0.31	-1	-3	-6	-4	-1.1	-0.3	+109	+105	+110	+108
75%	-1.6	-0.2	-2.9	+5.3	+43	+79	+102	+85	+13	+1.4	-3.5	+58	+4.3	-0.9	-1.3	+0.0	+1.3	-0.35	-2	-5	-9	-5	-1.7	-0.5	+105	+103	+105	+105
80%	-2.7	-1.0	-2.5	+5.6	+42	+77	+100	+82	+13	+1.3	-3.1	+56	+3.9	-1.1	-1.5	-0.2	+1.2	-0.40	-4	-8	-12	-7	-2.1	-0.7	+102	+101	+100	+102
85%	-3.9	-2.0	-2.1	+5.9	+41	+75	+97	+78	+12	+1.1	-2.7	+54	+3.5	-1.3	-1.8	-0.4	+1.0	-0.46	-6	-12	-15	-10	-2.9	-0.9	+97	+98	+94	+99
90%	-5.5	-3.3	-1.5	+6.3	+39	+72	+93	+73	+11	+0.9	-2.2	+51	+3.0	-1.6	-2.1	-0.6	+0.8	-0.53	-9	-17	-19	-12	-4.1	-1.4	+91	+94	+85	+94
95%	-8.0	-5.3	-0.6	+6.9	+37	+68	+86	+65	+10	+0.6	-1.2	+47	+2.3	-2.1	-2.7	-1.0	+0.5	-0.64	-13	-23	-24	-17	-5.6	-2.2	+81	+88	+72	+86
99%	-13.4	-9.3	+1.4	+8.2	+30	+58	+71	+49	+7	-0.1	+1.1	+38	+0.5	-3.0	-3.8	-1.8	+0.0	-0.89	-21	-31	-31	-25	-9.6	-4.5	+59	+74	+42	+69

* The percentile bands represent the distribution of EBVs across the 2018 drop Australian Angus and Angus-influenced seedstock animals analysed in the July 2020 TransTasman Angus Cattle Evaluation .

UNDERSTANDING THE TRANSTASMAN ANGUS CATTLE EVALUATION (TACE)

What is the TransTasman Angus Cattle Evaluation?

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

TACE includes pedigree, performance and genomic information from the Angus Australia and New Zealand Angus Association databases to evaluate the genetics of animals across Australia and New Zealand.

TACE analyses are conducted by the Agricultural Business Research Institute (ABRI), using beef genetic evaluation software developed by the Animal Genetics and Breeding Unit (AGBU), a joint institute of NSW Agriculture and the University of New England, and Meat and Livestock Australia Limited (MLA).

What is an EBV?

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

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

Using EBVs to Compare the Genetics of Two Animals

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

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

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

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

EBVs can also be used to benchmark an animal's genetics relative to the genetics of other Angus or Angus infused animals in Australia and New Zealand.

To benchmark an animal's genetics relative to other Angus animals, an animal's EBV can be compared to the EBV reference tables, which provide:
- the breed average EBV
- the percentile bands table

The current breed average EBV is listed on the bottom of each page in this publication, while the current EBV reference tables are included at the end of these introductory notes.

For easy reference, the percentile band in which an animal's EBV ranks is also published in association with the EBV.

Considering Accuracy

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

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

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

Description of TACE EBVs

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

UNDERSTANDING ESTIMATED BREEDING VALUES (EBVS)

BIRTH			
Calving Ease Direct	%	Genetic differences in the ability of a sire's calves to be born unassisted from 2 year old heifers.	Higher EBVs indicate fewer calving difficulties in 2 year old heifers.
Calving Ease Daughters	%	Genetic differences in the ability of a sire's daughters to calve unassisted at 2 years of age.	Higher EBVs indicate fewer calving difficulties in 2 year old heifers.
Gestation Length	days	Genetic differences between animals in the length of time from the date of conception to the birth of the calf.	Lower EBVs indicate shorter gestation length.
Birth Weight	kg	Genetic differences between animals in calf weight at birth.	Lower EBVs indicate lighter birth weight.

GROWTH			
200 Day Growth	kg	Genetic differences between animals in live weight at 200 days of age due to genetics for growth.	Higher EBVs indicate heavier live weight.
400 Day Weight	kg	Genetic differences between animals in live weight at 400 days of age.	Higher EBVs indicate heavier live weight.
600 Day Weight	kg	Genetic differences between animals in live weight at 600 days of age.	Higher EBVs indicate heavier live weight.
Mature Cow Weight	kg	Genetic differences between animals in live weight of cows at 5 years of age.	Higher EBVs indicate heavier mature weight.
Milk	kg	Genetic differences between animals in live weight at 200 days of age due to the maternal contribution of its dam.	Higher EBVs indicate heavier live weight.

FERTILITY			
Days to Calving	days	Genetic differences between animals in the time from the start of the joining period (i.e. when the female is introduced to a bull) until subsequent calving.	Lower EBVs indicate shorter time to calving.
Scrotal Size	cm	Genetic differences between animals in scrotal circumference at 400 days of age.	Higher EBVs indicate larger scrotal circumference.

CARCASE			
Carcase Weight	kg	Genetic differences between animals in hot standard carcase weight at 750 days of age.	Higher EBVs indicate heavier carcase weight.
Eye Muscle Area	cm^2	Genetic differences between animals in eye muscle area at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate larger eye muscle area.
Rib Fat	mm	Genetic differences between animals in fat depth at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate more fat.
Rump Fat	mm	Genetic differences between animals in fat depth at the P8 rump site in a 400 kg carcase.	Higher EBVs indicate more fat.
Retail Beef Yield	%	Genetic differences between animals in boned out saleable meat from a 400 kg carcase.	Higher EBVs indicate higher yield.
Intramuscular Fat	%	Genetic differences between animals in intramuscular fat (marbling) at the 12/13th rib site in a 400 kg carcase.	Higher EBVs indicate more intramuscular fat.

FEED EFFICIENCY			
Net Feed Intake (Feedlot)	kg/day	Genetic differences between animals in feed intake at a standard weight and rate of weight gain when animals are in a feedlot finishing phase.	Lower EBVs indicate more feed efficiency.
TEMPERAMENT			
Docility	%	Genetic differences between animals in temperament.	Higher EBVs indicate better temperament.
STRUCTURE			
Front Feet Angle	%	Genetic differences between animals in desirable front feet angle (strength of pastern, depth of heel).	Higher EBVs indicate more desirable structure.
Front Feet Claw Set	%	Genetic differences between animals in desirable front feet claw set structure (shape and evenness of claw).	Higher EBVs indicate more desirable structure.
Rear Feet Angle	%	Genetic differences between animals in desirable rear feet angle (strength of pastern, depth of heel).	Higher EBVs indicate more desirable structure.
Rear Leg Hind View	%	Genetic differences between animals in desirable rear leg structure when viewed from behind.	Higher EBVs indicate more desirable structure.
Rear Leg Side View	%	Genetic differences between animals in desirable rear leg structure when viewed from the side.	Higher EBVs indicate more desirable structure.
SELECTION INDEXES			
Angus Breeding Index	$	Genetic differences between animals in net profitability per cow joined in a typical commercial self replacing herd using Angus bulls. This selection index is not specific to a particular production system or market end-point, but identifies animals that will improve overall profitability in the majority of commercial grass and grain finishing beef production systems.	Higher selection index values indicate greater profitability.
Domestic Index	$	Genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting the domestic supermarket trade.	Higher selection index values indicate greater profitability.
Heavy Grain Index	$	Genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture grown steers with a 200 day feedlot finishing period for the grain fed high quality, highly marbled markets.	Higher selection index values indicate greater profitability.
Heavy Grass Index	$	Genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture finished steers.	Higher selection index values indicate greater profitability.

KILBURNIE ANGUS

HEALTH STATUS

Straban has J-Bas 7 rating.
We will provide all purchasers of animals with a National Cattle Health Declaration. Some of the animals being offered for sale spent part of their early lives on properties other than Straban. We have National Health Declarations for all these animals for the period prior to being on Straban.

DATA SOURCES

The information on animals in the two summary tables on pages 8 to 13 and pages 49 to 50 is based on information extracted by us from the Angus Database in early June, 2020. That information has been manipulated by us in order to present it in a way which we think is most helpful to you. EBVs were taken directly from that source. The colour coding in these tables was made by us.

The information on pages 14 - 43 was derived from a Data Extract from the Angus Society in early July, 2020.

PARENT VERIFICATION

For a number of years we have had all animals born into the herd 50k tested and parent verified.

DISCLAIMER

Animal details included in this catalogue, including but not limited to pedigree, DNA information, Estimated Breeding Values (EBVs) and Index values, are based on information provided by the breeder or owner of the animal.

While all reasonable care has been taken to ensure that the information provided in this catalogue was correct at the time of publication, neither the vendor, Angus Australia nor the selling agents assume any responsibility for the accuracy or the completeness of the information, nor the outcome (including consequential loss) of any action based on this information.

SOME FINAL THOUGHTS .....

For the last ten years Andy and Jo Burwell have managed Straban. Without their help and assistance this operation could not have survived and we are very grateful to them for their efforts which went well beyond the call of duty. In particular, the last five years have been very trying for all livestock producers on the Northern Tablelands. Andy has dealt with these issues on a day to day basis and his dedication is greatly appreciated.

We worked particularly closely with two local producers, Jo Bacon and Joanne Gowen. This allowed us to get valuable feedback on the performance of our animals as they used our bulls and recorded progeny through Breedplan. We are grateful to them for their co-operation.

The Angus Society provides a solid foundation for performance recording of our animals. We have had a long relationship with many of the office staff and we appreciate their help and assistance. In recent years most direct contact has been with Andrew Byrne and Christian Duff. Working with Christian on the ASBP Advisory Committee has been a particular pleasure.

We have appreciated the specialist services provided by many people. Mick Duncan first assisted us at Kelly's Plains and continues to provide us with advice on matters agronomic. He introduced us to Bruce Coxhead. Bruce, and now his son Ben, have always helped us find feed when it was scarce. Kristy Campion has been producing catalogues for us for at least the last twenty years. Jo Bacon has provided us with veterinary services and guidance on animal health matters for even more years impressing us with her unfailingly cheerful approach to life. Roger Evans (structural assessment and scanning) and Doug Fowler (ultrasound pregnancy testing and foetal ageing) have provided technical assistance over many years. Recently Udo Mahne has helped us directly with our embryo programmes and with many other areas of bovine reproduction. Lachlan Ayoub at Zoetis helped guide us through the genomic revolution and the ins and outs of 50k chips. Dave Healey has helped with a number of photographic and information technology matters over latter years. Landmark Boultons have run all our on-property sales at Straban and we have worked closely with Bruce Rutherford and Simon Newton over the years.

Breeding 'better' animals and plants has always been a fascination. Changes in our understanding of Heritability, Genomics and Information Processing provide challenges for all animal and plant breeders. The most important task in any seedstock operation is to take decisions about the mating of animals. We can use new ideas and technologies to make better decisions. Brian Kinghorn created the earliest form of Matesel and has controlled its evolution into a very sophisticated decision support system. We are very grateful to Brian for sharing his deep understanding of the details of mate selection with us. It has been especially interesting and valuable to be able to access the most recent advanced form of Matesel. Thank you, Brian.

Last, but not least, we recall the many people whom we have bought from or sold animals to and with whom we have had many conversations about animals. Without you our farming endeavours would not have succeeded but, more importantly, we have enjoyed your friendship, often over many long years. Thank you.

KILBURNIE ANGUS

INSURANCE

We always recommend that you insure your bulls. Accidents happen.

TRANSPORT

Please contact Andy Burwell as soon as possible after the sale to inform him of your transport arrangements on 02 6777 8182 or 0457 025 399 (please *DO NOT* leave texts or messages on the mobile). If it is not possible to contact Andy please contact Simon Newton 0467 660 320 or 02 6777 2044 and leave a message with him. Normally this contact would be made at the sale – but with AuctionsPlus this does not happen. It is useful if your deliveries can be co-ordinated with others. We can assist with this but you need to let us know.

REFRESHMENTS

Light refreshments (Tea and Coffee and Biscuits) will be available at the three inspections.

DIRECTIONS TO STRABAN
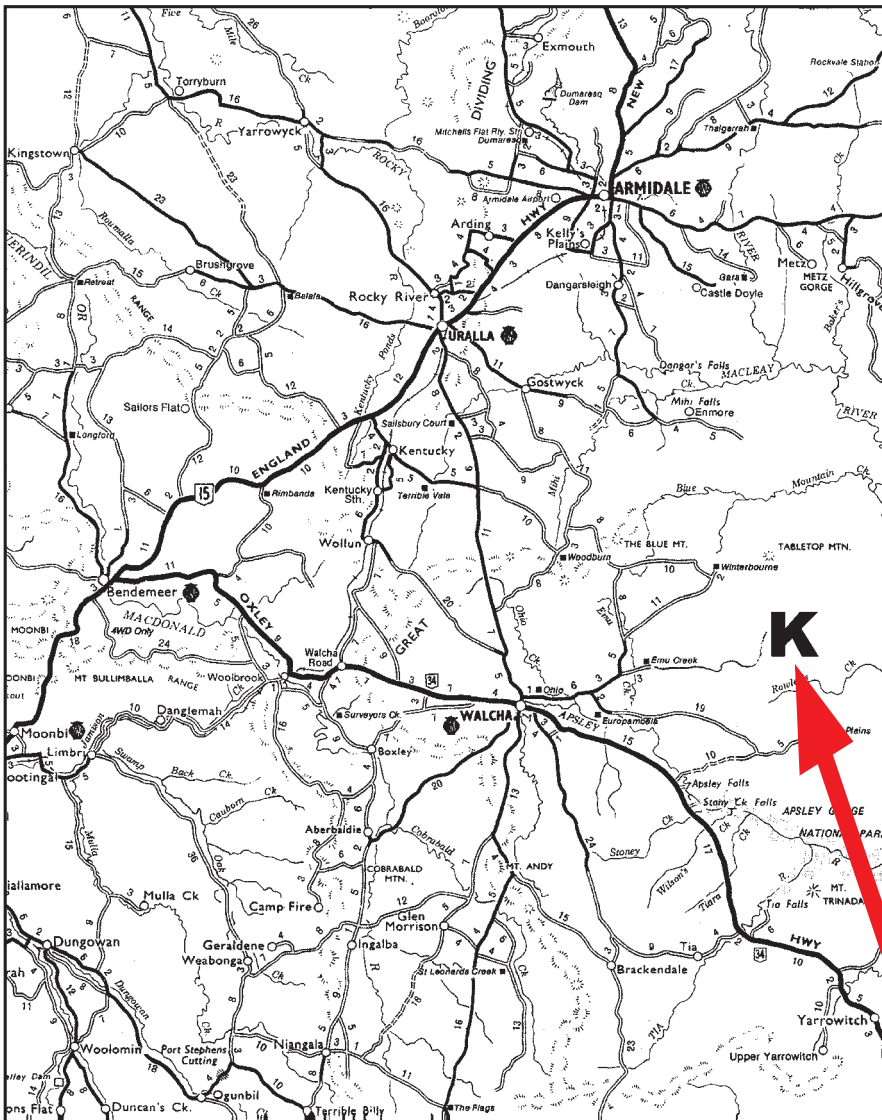
Straban

Straban is located at the K on the map (left). Travel north out of Walcha on the Uralla/Armidale road (or south from Uralla on the same road) and turn right (left) at the signpost just north of the Showground. This is Jamison Street which becomes the Winterbourne Road. Go out on this road, past the old Timber mill, for about seven and a half kilometres to the Moona Plains Road junction. At that Y junction keep left (stay on the Winterbourne Road). One and a half kilometres from there turn right into the Old Brookmount Road (which has a gravel surface). Go past Brookmount and Emu Creek sheds and houses and keep travelling for about twelve kilometres to Straban. After passing the new set of cattle yards on Straban, on your right, follow the road to the right and proceed to the shearing shed on the hill beyond the blue painted house.

The map on our website www.kilburnieangus.com.au is an interactive Google map. It may help you to locate us.

KILBURNIE ANGUS

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www.kilburnieangus.com.au

High Indexing Angus – Measured to perform