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ANGUS AUSTRALIA SIRE SUMMARY

WINTER 2021



INTRODUCTION

This publication contains a summary of the TransTasman Angus Cattle Evaluation Estimated Breeding Values (EBVs) for selected sires recorded with Angus Australia.

Several different reports are provided within this publication, including:

- Sires with the Most Progeny in the Last 2 Years
- Trait Leaders (by Selection Index)
- Trait Leaders (by Trait)
- Sires in the Angus Sire Benchmarking Program (by Cohort)

Further information regarding the information contained within this publication is provided in the explanatory notes that follow, or from staff at Angus Australia:

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Angus Australia also acknowledges its partnership with the New Zealand Angus Association in conducting the TransTasman Angus Cattle Evaluation, and the co-operation of the American Angus Association, the Canadian Angus Association and the Red Angus Association of America in providing EPD information is gratefully acknowledged.

DISCLAIMER

The EBVs and selection index values contained within this publication were calculated from data supplied to Angus Australia by members and/or third parties. Whilst every effort is made to ensure the accuracy of the data, Angus Australia, its officers and employees, assume no responsibility for the accuracy of the EBVs or selection index values, nor for the outcome (including consequential loss) of any action taken based on the information presented in this publication.

UNDERSTANDING THE TRANSTASMAN ANGUS CATTLE EVALUATION

What is the TransTasman Angus Cattle Evaluation

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

The TransTasman Angus Cattle Evaluation 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.

The TransTasman Angus Cattle Evaluation 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 TransTasman Angus Cattle Evaluation, and are reported in the units in which the measurements are taken.

Using EBVs to Compare the Genetics of Two Animals

TransTasman Angus Cattle Evaluation 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 carcass 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 EBVs

EBVs are calculated for a range of traits within the TransTasman Angus Cattle Evaluation, covering calving ease, growth, fertility, maternal performance, carcass 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 carcass weight at 750 days of age.	Higher EBVs indicate heavier carcass weight.
Eye Muscle Area	cm ²	Genetic differences between animals in eye muscle area at the 12/13th rib site in a 400 kg carcass.	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 carcass.	Higher EBVs indicate more fat.
Rump Fat	mm	Genetic differences between animals in fat depth at the P8 rump site in a 400 kg carcass.	Higher EBVs indicate more fat.
Retail Beef Yield	%	Genetic differences between animals in boned out saleable meat from a 400 kg carcass.	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 carcass.	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.
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TEMPERAMENT

Docility	%	Genetic differences between animals in temperament.	Higher EBVs indicate better temperament.
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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.

READING THE SIRE SUMMARY REPORTS

Ident	Name	Statistics		Estimated Breeding Values																																	
		Dir	Dtrs	GL	BW	GL	BW	Calv-Ease	Birth	Growth			Fert			Carcase			Feed			Structural			Selection Index												
Sire Dam	Reg.	Num Herd	Prog 2Yr.	Prog	Prog	Dir	Dtrs	GL	BW	GL	BW	Calv-Ease	Birth	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFLF	Doc	FA	FC	RA	RH	RS	ABI	DOM	GRN	GRS
USA16198796	EF COMPLEMENT 8088	169	3796	2350		+3.3	+3.4	-5.5	+2.6	+2.6	+52	+96	+124	+89	+21	+1.0	-5.0	-5.0	+75	+8.4	+1.2	+1.6	+1.6	-0.5	+1.9	+0.	+9	-15.2	-10.2	-13.6	-1.9	+0.5	\$135	\$123	\$137	\$134	
USA14688137	HBR					95%	90%	99%	99%	99%	99%	98%	98%	99%	98%	95%	98%	92%	92%	92%	92%	90%	90%	88%	90%	81%	99%	85%	89%	76%	51%	70%					
USA15452880						9	5	22	13	10	51	10	51	10	51	8	85	34	6	5	15	10	83	38	1	35	11	22	7	15	85	8	5	19	3		

Animal Details

Ident: Animal ident
 Name: Animal name
 Sire: Ident of animal's sire
 Dam: Ident of animal's dam
 Reg.: Registration status
 Num Herd: Number of herds in which the animal has progeny recorded with Angus Australia
 Prog: Number of progeny recorded with Angus Australia
 Prog 2Yr: Number of progeny recorded with Angus Australia that are born in the past 2 years

EBVs & Selection Indexes

Dir	Calving Ease Direct	P8	Rump Fat
Dtrs	Calving Ease Daughters	RBY	Retail Beef Yield
GL	Gestation Length	IMF	Intramuscular Fat
BW	Birth Weight	NFI-F	Net Feed Intake (Feedlot)
200	200 Day Growth	DOC	Docility
400	400 Day Weight	FA	Front Feet Angle
600	600 Day Weight	FC	Front Feet Claw Set
MCW	Mature Cow Weight	RA	Rear Feet Angle
Milk	Milk	RH	Rear Leg Hind View
SS	Scrotal Size	RS	Rear Leg Side View
DC	Days to Calving	ABI	Angus Breeding Index
CW	Carcase Weight	DOM	Domestic Index
EMA	Eye Muscle Area	GRN	Heavy Grain Index
RIB	Rib Fat	GRS	Heavy Grass Index

For each EBV, the EBV is published on the top row, followed by the accuracy of the EBV on the second row, followed by the percentile band in which the EBV ranks on the bottom row. For each selection index, the selection index is published on the top row, with the percentile band in which the selection index ranks on the bottom row. Accuracy values are not published for selection indexes.

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Angus Australia - Trait Leaders - Angus Breeding Index

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Ident	Name	Statistics		Estimated Breeding Values																				Selection Index							
				Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Tmp		Structural									
				Sire Dam	Reg.	Num Herd	Prog	Prog 2Yr.	Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	ABI	DOM
VTMN240	TE MANIA NOORAT N240 ^{SV}																														
VTMK354	HBR	3	42	42	54%	42%	92%	87%	78%	76%	77%	76%	69%	72%	46%	72%	67%	71%	69%	69%	67%	58%	61%	74%	74%	\$171	\$143	\$198	\$156		
VTML35					36	97	43	84	12	4	7	66	6	1	8	34	5	12	35	50	8	99	25	50	23	1	1	1	1		
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116		

Angus Australia - Trait Leaders - Domestic Index

Table with columns: Ident, Name, Statistics (Num Herd, Prog, Prog 2Yr), Estimated Breeding Values (Calv-Ease, Birth, Growth, Fert, Carcase, Feed, Tmp, Structural, Selection Index). Rows include sire/dam information and various genetic traits like EBVs.

Breed Average EBVs

+1.9 +2.5 -4.5 +4.2 +48 +87 +114 +98 +17 +2.0 -4.7 +65 +6.0 -0.1 -0.4 +0.5 +2.0 +0.17 +6 +0.98 +0.85 +119 +111 +126 +116

Angus Australia - Trait Leaders - Domestic Index

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Ident	Name	Statistics			Estimated Breeding Values																				Selection Index				
					Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Tmp		Structural						
					Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle					Claw
Sire Dam	Reg.	Num Herd	Prog	Prog 2Yr.																									
USA18841595	QUAKER HILL COLUMBUS 6V48				+4.6	+8.9	-2.6	+2.8	+65	+121	+152	+117	+22	+2.4	-1.4	+91	+8.8	-1.2	-3.9	+1.9	+2.3	-0.26	-	+0.70	+0.90	\$155	\$145	\$171	\$150
USA17262835	HBR	1	4	4	47%	37%	77%	81%	79%	79%	78%	77%	76%	74%	43%	76%	74%	75%	69%	72%	72%	57%	-	73%	73%				
USA17805166					34	5	80	18	2	1	2	19	12	28	93	1	12	81	99	7	35	8	-	4	61	4	1	7	2
NORN808	RENNYLEA N808 PV				-6.2	+7.6	-2.4	+6.7	+65	+121	+152	+137	+20	+1.7	-7.6	+97	+12.0	-1.2	-2.3	+1.6	+3.3	+0.52	+1	+0.84	+0.74	\$172	\$145	\$205	\$154
USA17366506	APR	1	6	6	51%	43%	73%	80%	78%	78%	79%	76%	71%	78%	54%	73%	71%	74%	72%	72%	70%	63%	70%	72%	72%				
NORE534					93	11	82	94	2	1	2	5	23	60	9	1	2	81	90	11	11	87	67	19	27	1	1	1	1
VTML839	TE MANIA LEWINS L839 PV				+6.8	+9.9	-6.4	+3.0	+62	+115	+158	+163	+23	+3.7	-6.7	+90	+6.9	-3.4	-3.8	+1.6	+3.3	+0.09	+6	+1.10	+1.12	\$177	\$145	\$216	\$158
VTMJ89	HBR	2	48	13	53%	40%	93%	90%	85%	85%	83%	80%	72%	81%	48%	76%	73%	77%	74%	73%	72%	61%	69%	79%	78%				
VTMH33					19	3	21	21	4	2	1	1	7	3	17	2	32	99	99	11	11	40	51	77	92	1	1	1	1
VTML1380	TE MANIA LOWERY L1380 PV				+3.5	+6.8	-7.0	+4.8	+62	+113	+150	+143	+27	+4.2	-7.3	+84	+6.3	-3.7	-4.5	+2.4	+3.2	+0.29	+17	+1.14	+0.76	\$172	\$145	\$210	\$153
USA16350631	HBR	1	34	7	51%	40%	76%	89%	84%	83%	83%	79%	71%	75%	53%	78%	76%	79%	77%	75%	77%	61%	67%	77%	77%				
VTMG34					43	16	15	64	4	2	3	3	2	2	11	4	41	99	99	3	12	66	18	83	31	1	1	1	1
DBLL292	TOPBOS LEADING EDGE L292 PV				+1.4	+5.5	-5.2	+7.0	+76	+132	+171	+157	+21	+1.8	-6.5	+85	+6.4	-0.2	-2.8	+1.3	+1.8	+0.25	+18	+0.74	+1.02	\$166	\$145	\$186	\$157
USA16295688	HBR	30	468	230	61%	48%	97%	98%	96%	96%	95%	88%	79%	95%	64%	89%	88%	87%	88%	84%	87%	83%	94%	88%	89%				
VSNF04					58	26	38	96	1	1	1	1	16	55	20	4	39	52	95	18	55	61	16	7	81	1	1	2	1
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116

Angus Australia - Trait Leaders - Heavy Grass Index

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Ident	Name	Statistics			Estimated Breeding Values																				Selection Index				
					Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Tmp		Structural						
					Sire Dam	Reg.	Num Herd	Prog	Prog 2Yr.	Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle
QMUM8 USA16295688 QMUG14	CLUNES CROSSING MOSES M8 HBR	2	122	118	+7.0	+6.5	-3.6	+3.3	+60	+108	+140	+103	+26	+2.0	-9.8	+73	+5.9	+1.7	+2.6	-0.9	+2.9	+0.90	-21	+0.92	+0.82	\$168	\$139	\$186	\$157
USA18217198 USA17354178 USA16934264	G A R ASHLAND PV HBR	51	1210	1122	-1.2	+6.4	-6.5	+3.7	+70	+120	+150	+117	+15	+1.7	-2.7	+83	+13.3	-2.4	-3.3	+2.7	+2.8	+0.17	+11	+1.16	+1.34	\$166	\$152	\$187	\$157
QBGN191 HIOG18 QBGL243	GLENOCH NEMIGHA N191 SV HBR	1	13	13	+8.2	+5.2	-8.1	+4.0	+59	+106	+142	+133	+17	+3.7	-10.1	+85	+6.9	-0.6	-0.3	+0.4	+3.2	+0.45	-	+0.76	+0.64	\$175	\$142	\$207	\$157
TFAM503 USA16198796 TFAG455	LANDFALL COMPLEMENT M503 HBR	1	7	0	+7.0	+8.5	-6.0	+4.5	+62	+105	+140	+117	+19	+3.4	-8.8	+91	+9.9	+1.6	+1.3	+0.7	+1.8	+0.91	+17	+1.10	+0.74	\$165	\$139	\$176	\$157
USA18952921 USA18170041 USA18334720	MOGCK ENTICE SV HBR	6	58	58	+2.7	+3.8	-9.0	+5.1	+74	+130	+168	+141	+19	+4.2	-1.4	+95	+9.1	-2.3	-4.2	+2.6	+2.1	-0.41	-	+0.98	+0.60	\$163	\$149	\$181	\$157
NURP4 WWEL115 NURH99	MURRAY GENERAL P4 PV HBR	5	12	12	+2.0	+2.8	-5.4	+5.0	+56	+102	+133	+87	+21	+3.7	-7.1	+76	+12.3	-1.9	-1.6	+1.8	+3.4	+0.73	-18	+0.82	+0.94	\$173	\$146	\$202	\$157
SMPN180 SMPG357 SMPJ3	PATHFINDER GENESIS N180 SV HBR	1	12	0	+4.9	+5.6	-8.7	+6.8	+64	+116	+162	+147	+26	+4.3	-5.4	+90	+8.4	-1.2	-2.3	+2.4	+1.3	-0.16	-	+1.10	+0.72	\$164	\$139	\$181	\$157
USA18463791 USA17028963 USA16711193	QHF WWA BLACK ONYX 5Q11 SV HBR	52	448	344	+10.9	+10.0	-8.3	+1.3	+65	+121	+166	+134	+25	+1.3	-2.6	+90	+7.0	-1.5	-3.6	+1.9	+1.4	-0.15	+19	+1.10	+1.08	\$160	\$141	\$172	\$157
NORN103 SMPK7 NORL329	RENNYLEA N103 SV APR	1	19	19	+8.6	+6.6	-10.5	+4.0	+55	+89	+118	+81	+17	+3.4	-10.0	+73	+14.9	+0.9	+0.3	+1.4	+2.8	+0.89	-4	+0.82	+0.54	\$171	\$143	\$190	\$157
DBLL292 USA16295688 VSNF04	TOPBOS LEADING EDGE L292 PV HBR	30	468	230	+1.4	+5.5	-5.2	+7.0	+76	+132	+171	+157	+21	+1.8	-6.5	+85	+6.4	-0.2	-2.8	+1.3	+1.8	+0.25	+18	+0.74	+1.02	\$166	\$145	\$186	\$157
QKBL03 HIOE7 QKBJ2	WARRAWEE LUCKYSTRIKE L3 HBR	1	10	0	+10.0	+7.4	-6.5	+3.2	+58	+101	+133	+104	+22	+2.5	-11.6	+76	+8.1	+1.3	+2.1	-0.2	+2.4	+0.51	+6	+1.08	+1.14	\$169	\$139	\$185	\$157
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116

Angus Australia - Trait Leaders - Scrotal Size

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Ident	Name	Statistics			Estimated Breeding Values																								
					Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Tmp		Structural		Selection Index				
					Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	ABI	DOM	GRN	GRS
SMPM84	PATHFINDER EMPEROR M84 ^{SV}				-4.0	-2.6	-5.4	+6.6	+51	+94	+124	+107	+19	+5.0	-9.7	+67	+3.8	+2.5	+2.3	-1.0	+2.9	+0.31	-	+0.90	+0.68	\$136	\$112	\$155	\$124
VTME343 SMPK25	APR	1	9	0	55%	49%	85%	81%	77%	77%	78%	75%	70%	71%	56%	72%	69%	73%	71%	71%	69%	63%	-	68%	68%				
					87	89	35	93	37	28	28	35	33	1	1	41	82	3	4	94	18	68	-	31	17	21	51	18	31
QRFH127	RAFF EXPLOSIVE H127 ^{PV}				+0.9	+2.9	-8.0	+4.3	+53	+94	+134	+156	+16	+5.0	-6.0	+79	+4.5	+0.4	+0.9	+1.5	+0.0	-0.42	-	+1.34	+1.00	\$122	\$109	\$119	\$122
QRFE108 QRFA106	HBR	1	2	0	43%	37%	73%	76%	75%	74%	75%	74%	71%	75%	47%	70%	67%	71%	69%	68%	66%	57%	-	63%	61%				
					62	50	8	52	26	28	12	1	56	1	27	9	72	33	17	13	99	3	-	98	79	47	60	62	36
VTMH94	TE MANIA HALFBACK H94 [#]				+4.5	+0.9	-4.0	+5.4	+57	+98	+134	+109	+22	+5.0	-3.4	+66	+7.1	+0.0	-0.2	+0.8	+3.1	+0.04	+13	+1.02	+0.76	\$145	\$126	\$164	\$137
VTMF528 VTMF131	HBR	1	1	0	58%	51%	85%	74%	71%	71%	70%	69%	67%	72%	50%	66%	64%	68%	66%	66%	65%	55%	62%	70%	70%				
					35	68	59	77	11	18	12	31	14	1	72	47	29	45	43	37	14	33	28	60	31	10	13	11	9
CWDJ145	WEATHERLY JASPER J145 ^{PV}				-13.2	-1.8	+2.6	+8.3	+55	+94	+127	+145	+9	+5.0	-3.7	+79	+4.7	-1.9	-2.4	+1.4	+1.8	-0.13	-	+1.42	+1.18	\$98	\$92	\$110	\$93
CWDD7 CWDD6	HBR	1	1	0	39%	34%	67%	72%	70%	70%	71%	69%	64%	69%	43%	66%	63%	68%	65%	65%	63%	54%	-	57%	57%				
					99	85	99	99	16	27	21	3	96	1	68	10	69	92	91	16	55	16	-	99	96	85	92	72	91
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116

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Ident	Name	Statistics			Estimated Breeding Values																								
		Sire Dam	Reg.	Num Herd	Prog	Prog 2Yr.	Calv-Ease		Birth		Growth				Fert		Carcase				Feed	Tmp	Structural		Selection Index				
							Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	ABI	DOM
NORP235 NORJ937 NORE534	RENNYLEA P235 ^{PV} APR	1	14	14	-8.6	+4.0	-5.6	+5.4	+53	+107	+139	+115	+21	+0.6	-5.5	+90	+7.9	-0.8	-1.9	-0.7	+5.2	+0.74	-10	+1.22	+1.16	\$153	\$123	\$197	\$133
VVWN107 NHZF1023 HQSJ103	VICTOREE NAPALM N107 ^{PV} APR	1	8	8	+7.7	+4.8	-3.7	+1.4	+37	+79	+99	+90	+15	+3.3	-8.6	+66	+3.3	+2.6	-0.5	-2.3	+5.2	+0.94	-	+1.18	+0.66	\$138	\$115	\$175	\$117
QBUN187 HIOH9 QBUL541	BURENDA NATION WIDE N187 APR	1	2	2	+5.3	+4.6	-8.2	+4.3	+47	+83	+105	+78	+19	+1.9	-9.1	+68	+8.8	+0.1	-1.1	+0.1	+5.1	+0.76	-3	+1.20	+0.98	\$162	\$135	\$202	\$139
BHRN211 USA16295688 BHRB276	DUNOON NASH N211 ^{SV} HBR	1	13	13	+7.7	+5.4	-5.6	+3.5	+55	+91	+122	+86	+22	+0.4	-8.1	+60	+1.6	+2.3	+3.0	-2.9	+5.1	+0.52	+1	+0.48	+0.68	\$152	\$122	\$182	\$136
USA17354145 USA16290873 USA16734804	G A R MOMENTUM ^{PV} HBR	32	873	243	-0.3	-0.7	-2.9	+2.7	+46	+86	+103	+81	+21	-0.1	+2.6	+63	+12.5	-0.3	-1.6	+0.0	+5.1	+1.24	+24	+0.80	+0.88	\$115	\$114	\$139	\$108
GXNP293 DGJG10 VLYH869	KELLY ANGUS GET CRACKING HBR	1	31	31	+5.6	+6.1	-3.6	+4.9	+54	+94	+114	+100	+16	+1.2	-8.7	+67	+7.0	-0.3	+0.1	-1.3	+5.1	+0.62	-	+0.98	+0.80	\$157	\$133	\$194	\$137
NZCN27 USA16956101 NZCK36	KO PROCEED N27 ^{PV} HBR	1	1	1	-10.3	+0.2	-2.8	+6.8	+52	+89	+117	+113	+17	+2.0	-4.4	+68	+5.9	-1.8	-1.4	+0.2	+5.1	+0.49	-	+0.98	+1.00	\$128	\$108	\$165	\$109
VLYJ381 DBLF4 VLYE1044	LAWSONS AMBASSADOR J381 APR	1	37	0	+4.9	-4.0	+0.1	+2.3	+39	+77	+90	+71	+20	+1.5	-7.4	+61	+7.5	-0.3	-1.5	-0.8	+5.1	+0.18	-	+1.00	+0.88	\$132	\$117	\$166	\$113
NORG102 NORA421 NORC490	RENNYLEA G102 ^{PV} APR	2	84	0	+1.2	+6.5	-1.7	+2.4	+40	+74	+91	+46	+18	+2.2	-6.9	+62	+5.1	+2.7	+0.4	-2.3	+5.1	+1.23	+10	+1.04	+0.86	\$127	\$111	\$153	\$113
NORM844 NORH708 NORJ579	RENNYLEA M844 ^{SV} APR	1	6	0	+0.5	-2.8	-3.3	+2.5	+38	+75	+89	+54	+23	+2.7	-6.6	+63	+10.1	-0.5	-1.7	+1.0	+5.1	+0.56	-5	+0.90	+0.98	\$142	\$126	\$178	\$122
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116

Angus Australia - Trait Leaders - NFI-F

Table with columns: Ident, Name, Statistics (Num Herd, Prog, Prog 2Yr), Estimated Breeding Values (Calv-Ease, Birth, Growth, Fert, Carcase, Feed, Tmp, Structural, Selection Index). Rows include various breeders and their traits, ending with a 'Breed Average EBVs' row.

Angus Australia - Trait Leaders - Claw Set

Table with columns: Ident, Name, Statistics (Num Herd, Prog, Prog 2Yr), Estimated Breeding Values (Calv-Ease, Birth, Growth, Fert, Carcase, Feed, Tmp, Structural), and Selection Index (ABI, DOM, GRN, GRS). Rows list various breeding lines and individuals with their performance metrics.

Breed Average EBVs

+1.9 +2.5 -4.5 +4.2 +48 +87 +114 +98 +17 +2.0 -4.7 +65 +6.0 -0.1 -0.4 +0.5 +2.0 +0.17 +6 +0.98 +0.85 +119 +111 +126 +116

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Ident	Name	Statistics			Estimated Breeding Values																								
					Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Tmp		Structural		Selection Index				
					Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	ABI	DOM	GRN	GRS
VTMV49	TE MANIA VANDYKE V49 #				+3.0	+1.9	-1.1	+5.0	+34	+60	+77	+65	+13	+1.5	-5.8	+41	+4.6	-1.3	-1.6	+1.0	+1.5	+0.06	+12	+0.70	+0.38	\$92	\$95	\$93	\$90
USA036 VTMR426+96	HBR	1	3	0	69%	67%	70%	77%	75%	75%	73%	72%	75%	77%	66%	70%	70%	71%	71%	70%	70%	66%	64%	68%	68%	89	89	86	93
VTMX639	TE MANIA XR X639 #				+1.7	-0.3	-3.8	+4.5	+31	+58	+76	+71	+13	+2.8	-5.9	+41	+4.4	-0.2	-1.2	+0.5	+2.4	+0.36	-	+0.74	+0.38	\$94	\$93	\$104	\$88
USA036 VTMT333	HBR	2	5	0	66%	63%	67%	76%	72%	72%	71%	69%	68%	75%	61%	67%	67%	67%	68%	66%	66%	62%	-	72%	71%	88	91	78	94
NZE10752011	TE WHANGA M14 #				+1.6	-0.8	-4.5	+5.1	+51	+76	+110	+104	+15	+1.3	-4.7	+67	+2.4	+1.3	+4.8	-0.5	-1.2	-0.02	+30	+0.94	+0.38	\$80	\$83	\$45	\$97
NZE10752007G9 NZE10752103C38	HBR	4	34	0	56%	40%	93%	92%	89%	89%	91%	84%	78%	80%	60%	88%	86%	90%	87%	83%	86%	83%	80%	82%	82%	96	97	99	87
DXTM299	TEXAS HAT TRICK M299 ^{SV}				+0.4	-2.8	-4.6	+5.0	+51	+96	+134	+130	+15	+1.8	-1.8	+70	+6.3	-0.8	-0.1	+0.7	+1.3	-0.10	+3	+0.56	+0.38	\$118	\$107	\$120	\$118
DXTH639 DXTJ206	HBR	1	45	27	40%	32%	84%	77%	76%	77%	73%	66%	78%	43%	70%	68%	73%	70%	69%	67%	56%	45%	59%	59%	59%	55	66	60	47
NZE17691009	TURIHAUA REX E297 #				+5.3	-4.6	-5.3	+4.2	+29	+54	+77	+74	+13	+1.1	-2.6	+23	+1.8	+1.4	+1.1	+0.7	-0.6	-0.21	+6	+1.26	+0.38	\$59	\$73	\$34	\$72
NZE17691006B141 NZE17691106B48	HBR	7	45	0	77%	63%	95%	98%	96%	97%	97%	95%	94%	96%	75%	93%	92%	93%	92%	90%	91%	87%	80%	78%	77%	99	99	99	99
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116

Angus Australia - Sire Benchmarking Program - Cohort 2

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Table with columns: Ident, Name, Statistics (Num Herd, Prog, Prog 2Yr), Estimated Breeding Values (Calv-Ease, Birth, Growth, Fert, Carcase, Feed, Tmp, Structural, Selection Index). Rows include sire entries like BNAD106, NXTD154, NZE18954008, NWPE236, and NWPE111, along with a 'Breed Average EBVs' row.

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Ident	Name	Statistics			Estimated Breeding Values																								
					Calv-Ease		Birth		Growth				Fert		Carcase				Feed		Tmp		Structural		Selection Index				
					Dir	Dtrs	GL	BW	200	400	600	MCW	Milk	SS	DC	CW	EMA	Rib	P8	RBY	IMF	NFI-F	Doc	Angle	Claw	ABI	DOM	GRN	GRS
NZE17691009	TURIHAUA CRUMP E5 (ET) ^{SV}				-3.4	-5.7	-6.2	+3.6	+30	+60	+88	+94	+16	+1.2	-9.5	+21	+2.2	+2.2	+0.9	-0.9	+0.0	+0.05	+18	+1.16	+0.66	\$74	\$69	\$62	\$77
NZE17691003Y167	HBR	10	62	14	81%	68%	96%	98%	97%	97%	97%	97%	96%	97%	88%	94%	94%	94%	94%	93%	93%	87%	79%	81%	81%				
NZE17691195Q263					84	96	23	34	99	99	94	60	55	81	2	99	95	5	17	93	99	35	14	86	14	97	99	97	98
BNAD81	TUWHARETOA D81 ^{SV}				+4.8	-5.1	-7.4	+4.5	+42	+77	+107	+87	+11	-1.0	-1.2	+84	+10.1	-2.9	-8.4	+1.9	+2.4	+0.76	+23	+1.02	+0.88	\$106	\$103	\$123	\$100
NAQA2	APR	9	318	0	73%	64%	94%	97%	96%	96%	95%	92%	95%	95%	70%	92%	91%	92%	90%	89%	90%	85%	85%	85%	85%				
BNAX21					33	95	11	57	83	82	68	72	91	99	94	4	6	99	99	7	32	97	7	60	57	76	76	56	84
NWPJ3	WATTLETOP JASPER J3 ^{SV}				+6.3	+2.8	-8.3	+3.7	+46	+76	+101	+69	+13	+1.3	-4.7	+74	+7.9	-0.1	-0.3	+1.0	+1.7	+0.69	+8	+0.82	+0.94	\$119	\$114	\$120	\$118
USA16340278	HBR	18	103	0	63%	48%	96%	94%	91%	92%	91%	86%	80%	86%	56%	87%	84%	87%	85%	84%	84%	78%	84%	84%	84%				
NWPG338					22	51	6	36	63	84	79	93	79	78	49	19	20	48	45	28	59	95	43	16	69	53	44	60	47
VHWJ1	WEERAN JIMMY J1 ^{PV}				+6.4	+12.9	-6.8	+2.4	+46	+83	+105	+91	+10	-0.3	-6.1	+55	+2.6	-2.5	-0.2	+1.1	+2.1	-0.33	-5	+1.16	+1.02	\$132	\$125	\$143	\$126
HIOE7	HBR	9	136	0	70%	58%	96%	95%	93%	93%	92%	88%	87%	88%	67%	89%	87%	90%	87%	87%	87%	82%	81%	84%	84%				
VHWC194					21	1	17	12	63	65	71	64	94	99	25	84	93	97	43	25	42	5	84	86	81	28	15	31	27
Breed Average EBVs					+1.9	+2.5	-4.5	+4.2	+48	+87	+114	+98	+17	+2.0	-4.7	+65	+6.0	-0.1	-0.4	+0.5	+2.0	+0.17	+6	+0.98	+0.85	+119	+111	+126	+116

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Table with columns: Ident, Name, Statistics (Num Herd, Prog, Prog 2Yr.), Estimated Breeding Values (Calv-Ease, Birth, Growth, Fert, Carcase, Feed, Tmp, Structural, Selection Index), and various performance metrics.

Breed Average EBVs

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Table with columns: Ident, Name, Statistics, Estimated Breeding Values, Selection Index. Rows include sire names like NXOL172, DGJL94, NBNJ158, NGML173, BONK065, AMQL39, GTNM3, THCL61, NFSM6, NFWM049, DKKM56, NHZK416, CJMM8, NZE13300013 and their associated statistics and breeding values.

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