



Beef Progeny Test Performance Report

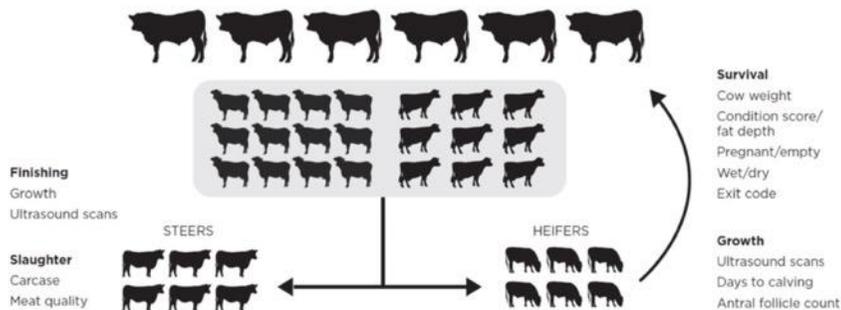
September 2017



B+LNZ GENETICS BEEF PROGENY TEST

The Beef Progeny Test (BPT) compares bulls under New Zealand commercial farming conditions. The test was established in 2014 and involves about 2200 cows and heifers on five large properties across New Zealand. Steers are assessed on their finishing performance and carcass traits, while replacement heifers are tracked for their maternal characteristics.

Beef Progeny Test: evaluating finishing and/or maternal performance



A mix of both internationally-sourced and New Zealand semen has been used. The breeds include Angus, Hereford, Stabilizer, Simmental and Charolais. Some bulls are specifically included to provide genetic links to international programmes, where carcass data is being collected (e.g. the Australian Angus Sire Benchmark Programme, Hereford Progeny Test and Angus Sire Alliance).

Over time, the test will:

- Evaluate maternal performance and survival for different cow types in commercial conditions.
- Generate potential new eBVs for cow performance – e.g. antral follicle counts (measured in heifers to predict cow fertility); cow condition score; and cow stayability.
- Evaluate the relationship between maternal performance, finishing performance and carcass quality/market attributes.
- Evaluate across breeds.

ACKNOWLEDGEMENTS

The BPT project is a partnership which includes:

Progeny test properties: Whangara Farms (Gisborne), Landcorp's Rangitaiki Station (Taupo), Taratahi's Tautane Station (Hawke's Bay), the Black family's Mendip Hills Station (North Canterbury) and Lonestar's Caberfeidh Farm (South Canterbury).

Industry partners: AbacusBio, Angus New Zealand, Focus Genetics, New Zealand Hereford Association and Simmental New Zealand.

Participating herds: Thank you to the numerous bull owners and nominators that have entered the progeny test. For sire information please visit our website:

www.blznzgenetics.com/progeny-tests

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Report overview

This performance report includes two sections:

1. Breedplan Sire Listing

The first section includes the Breedplan EBVs and selection Indexes from the noted monthly analysis (September 2017). They are not from when the bulls were chosen for the BPT program.

For selection purposes it is strongly advised that the Breedplan EBVs and selection indexes be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the breed population.

NB:

- *The BPT information is not yet incorporated into the Breedplan database.*
- *The Breedplan EBVs and Indexes are current (September 2017) and not from when the bulls were chosen for the BPT program.*

2. Progeny Performance Listing

The second section includes progeny average values and rankings for a range of traits recorded within the BPT. This listing provides an indication on how the sires are performing within the BPT.

The appendix includes notes to help interpret the information listed.

1. Breedplan sire listings

September 2017 - ANGUS BREEDPLAN

Name/ID	Birth				Growth					Fertility				Carcase				Other	Selection Indexes	
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	Rump	RBV	IMF	Docity	Self-Replacing	Angus Pure
	%	%	days	kg	kg	kg	kg	kg	kg	cm	days	kg	sq cm	mm	mm	%	%		\$	\$
CONNELY REVENUE 7392 (IMP USA)	-4.4 77%	1.7 64%	-3.3 98%	6.1 98%	48 97%	84 97%	99 97%	72 85%	19 77%	0.7 97%	-5.6 50%	69 80%	9.7 85%	1.6 85%	0.8 81%	0.3 76%	2.9 82%	13 84%	\$144	\$158
EF COMPLEMENT 8088	3.1 89%	3.1 79%	-5.5 99%	2.6 99%	51 98%	93 98%	117 97%	90 94%	23 88%	1.1 97%	-3.4 51%	73 84%	9.3 87%	1.2 87%	1.6 83%	0.5 79%	2 84%	9 97%	\$172	\$193
FOSSIL CREEK HERO H006	-5.7 75%	3.3 58%	-6 96%	3.5 96%	45 94%	70 94%	86 94%	44 85%	11 71%	2.1 90%	-7.8 48%	54 78%	8.1 80%	2.4 82%	3.5 80%	0.3 74%	0.6 79%	-8 81%	\$134	\$126
G A R MOMENTUM (IMP USA)	1.2 79%	0.2 58%	-3.7 98%	2.6 97%	51 96%	90 95%	108 94%	74 84%	27 78%	0.4 92%	-2.2 47%	72 81%	16.2 81%	-1.2 84%	-3.4 79%	1.5 75%	4.3 79%	14 83%	\$167	\$198
GLANWORTH WAIGROUP 1213	5.3 72%	1.4 52%	-5.8 91%	1.5 95%	34 92%	69 90%	94 91%	54 83%	14 64%	2.4 85%	-1.2 40%	34 75%	4 77%	1.9 79%	0.2 77%	0.1 71%	0.2 75%	22 78%	\$118	\$138
H P C A INTENSITY (IMP USA)	-3.9 79%	-2.6 59%	-3.2 98%	7.1 98%	66 97%	119 97%	149 97%	113 86%	24 77%	1 97%	-6.8 49%	84 82%	10.9 86%	-0.6 86%	-0.8 82%	1.1 78%	3.4 84%	-10 94%	\$194	\$227
LINTON 13007 (P)	1.8 67%	1.1 49%	-5.3 92%	4.2 90%	40 85%	75 85%	100 84%	56 80%	20 69%	2.9 79%	-5.8 49%	53 73%	6 71%	0.2 74%	0.5 73%	0.8 66%	2.1 66%		\$147	\$175
MATAURI OUTLIER F031	0.1 86%	1.4 75%	-4.2 98%	6.4 98%	54 97%	105 97%	139 97%	135 93%	18 87%	3 97%	-3.5 52%	72 84%	1.1 87%	0.7 86%	1.1 85%	-0.8 80%	1.5 84%	-5 90%	\$146	\$182
MATAURI REALITY 839	6.9 95%	6.2 90%	-10.2 99%	1.2 99%	40 99%	78 99%	98 98%	79 97%	13 96%	3.6 98%	-3.8 60%	48 92%	3.9 91%	4.4 91%	4.1 90%	-2 87%	2.8 89%	5 98%	\$157	\$182
NGAPUTAHU EUREKA E38	-2 73%	-0.1 59%	-3.2 94%	6.8 96%	46 94%	78 94%	95 92%	92 86%	8 81%	2.1 92%	-4.1 57%	54 90%	1.3 89%	-1.9 91%	-1.9 89%	-0.5 84%	2.8 88%	-15 82%	\$110	\$134
Breed Avg. EBVs for 2015 born calves	-0.1	+0.1	-3.7	+4.3	+42	+77	+100	+87	+15	+1.7	-3.8	+56	+4.6	+0.0	-0.2	+0.3	+1.6	+5	+104	+121

NB: The BPT information is not yet incorporated into the Breedplan database

1. Breedplan sire listings

September 2017 - ANGUS BREEDPLAN

Name/ID	Birth				Growth					Fertility				Carcase				Other	Selection Indexes	
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	Rump	RBV	IMF	Docity	Self-Replacing	Angus Pure
	%	%	days	kg	kg	kg	kg	kg	kg	cm	days	kg	sq cm	mm	mm	%	%		\$	\$
PA SAFEGUARD 021 (IMP USA)	-0.2 72%	-3.1 55%	-5.3 94%	3.6 96%	47 92%	86 93%	111 92%	99 83%	25 81%	2.3 92%	-4.7 47%	67 80%	7.7 81%	-2.4 83%	-2.9 78%	1.8 74%	3.1 77%	32 82%	\$143	\$178
PINEBANK 64/10	0.6 70%	0.2 56%	-5.4 89%	3.2 94%	32 91%	64 91%	70 92%	41 88%	13 82%	1.3 90%	-3.8 51%	23 78%	3.1 80%	1.7 82%	0.6 81%	0 76%	0.3 79%	0 72%	\$108	\$100
RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	5.5 96%	2.2 91%	-7.5 99%	1.1 99%	38 99%	71 99%	92 99%	75 98%	15 97%	2.2 99%	-10.4 81%	58 96%	6.3 95%	2.7 95%	1.3 94%	-1.1 92%	4 93%	11 99%	\$161	\$199
RISSINGTON 135057	1.1 63%	0.7 44%	-0.2 82%	2.3 81%	39 76%	70 78%	80 77%	67 75%	16 65%	1.2 71%	-7.7 36%	53 68%	7 65%	1.7 70%	2.3 67%	-1.2 60%	2.1 62%		\$134	\$138
RISSINGTON 135262 (ET)	-3.7 64%	-1.4 44%	1.2 85%	4.3 80%	47 75%	86 77%	100 75%	89 74%	18 65%	2.9 71%	-6.4 34%	65 67%	6 63%	0.8 67%	0.9 64%	-1.2 58%	2.4 60%		\$128	\$136
RISSINGTON ANALYST 135252 (ET)	2.6 69%	4.8 56%	-5.9 83%	2.6 84%	51 79%	90 81%	113 78%	73 77%	19 70%	2.3 73%	-6.4 47%	80 72%	9.4 69%	0.1 72%	-0.5 70%	0.4 65%	2.9 66%		\$180	\$206
RISSINGTON PROMINENT 100104	2.1 73%	1.7 59%	-2.3 96%	2.4 95%	54 91%	88 92%	126 93%	105 86%	20 75%	0.4 89%	-3.3 44%	64 78%	5.5 79%	0.1 82%	0.1 80%	-0.6 73%	2.2 78%	-11 79%	\$143	\$182
RISSINGTON RESOLUTE 120992 (ET)	2 75%	0.3 60%	0 94%	3.2 94%	46 90%	77 90%	96 90%	77 83%	10 73%	2.5 87%	-6 45%	60 77%	9 78%	2.3 79%	1.8 78%	-1 72%	2.5 75%	14 81%	\$146	\$164
S A V BRUISER 9164 (IMP USA)	2.4 62%	0.8 45%	-6.5 82%	3.7 80%	56 75%	97 76%	114 75%	99 74%	14 77%	1.3 76%	-3.7 37%	66 71%	9.3 67%	-1.9 70%	-2.4 62%	2.7 61%	0.7 63%		\$173	\$177
STORTH OAKS H41	2.9 77%	3.1 64%	-7.5 96%	4.5 94%	49 91%	89 92%	114 93%	121 86%	12 72%	4 88%	-9.5 55%	61 78%	5.2 79%	1.6 82%	1.4 80%	0.4 75%	2 79%	18 91%	\$172	\$199
Breed Avg. EBVs for 2015 born calves	-0.1	+0.1	-3.7	+4.3	+42	+77	+100	+87	+15	+1.7	-3.8	+56	+4.6	+0.0	-0.2	+0.3	+1.6	+5	+104	+121

NB: The BPT information is not yet incorporated into the Breedplan database

1. Breedplan sire listings

September 2017 - ANGUS BREEDPLAN

Name/ID	Birth				Growth					Fertility				Carcase				Other	Selection Indexes	
	CE Dir %	CE Dtrs %	GL days	Bwt kg	200 kg	400 kg	600 kg	Mwt kg	Milk kg	SS cm	DC days	Cwt kg	EMA sq cm	Rib mm	Rump mm	RBV %	IMF %	Docility	Self- Replacing \$	Angus Pure \$
TANGIHAU KAINO H29	-2 58%	-0.7 39%	-3.7 73%	5.5 93%	45 86%	81 84%	102 87%	90 77%	15 58%	1.8 78%	-5.4 40%	51 70%	2.1 66%	3 66%	3.7 68%	-2.1 60%	2.4 57%		\$122	\$141
TE MANIA 11 553	-0.7 79%	0.4 69%	-2.8 97%	4.9 97%	40 95%	71 96%	93 96%	86 93%	11 84%	0.9 95%	-5 58%	62 82%	9.1 84%	1.4 84%	-0.3 83%	0.1 78%	3 82%	-3 82%	\$126	\$161
TOTARANUI 238 (ET)	-3.6 75%	-3.7 68%	-4.4 94%	3.9 96%	48 93%	86 94%	108 94%	89 90%	9 80%	1.6 92%	-4.6 60%	65 79%	8.1 82%	-0.5 83%	0.4 81%	-0.6 77%	3.4 81%	24 82%	\$136	\$165
TURIHAUA CRUMP E5 (ET)	-1 83%	-0.1 72%	-6.5 94%	3.9 97%	31 96%	62 96%	90 96%	98 93%	13 90%	1.3 95%	0.2 57%	35 86%	3.5 87%	1.5 87%	0.8 86%	-0.5 82%	0.4 85%	16 74%	\$72	\$100
TURIHAUA LIBERATION C27	5.3 68%	4.4 49%	-4.9 59%	1.5 94%	27 92%	64 92%	87 93%	70 89%	16 78%	3.3 88%	0.4 42%	33 78%	-0.8 78%	-0.7 79%	-0.4 78%	0.5 73%	0.2 75%		\$102	\$128
Breed Avg. EBVs for 2015 born calves	-0.1	+0.1	-3.7	+4.3	+42	+77	+100	+87	+15	+1.7	-3.8	+56	+4.6	+0.0	-0.2	+0.3	+1.6	+5	+104	+121

NB: The BPT information is not yet incorporated into the Breedplan database

1. Breedplan sire listings

September 2017 – CHAROLAIS BREEDPLAN

Name/ID	Birth			Growth					Fertility			Carcase				
	CE Dir %	CE Dtrs %	GL days	Bwt kg	200 kg	400 kg	600 kg	Mwt kg	Milk kg	SS cm	Cwt kg	EMA sq cm	Rib mm	Rump mm	RBV %	IMF %
SILVERSTREAM PERFORMER P38EF (ET)	4.9	9.1	-3.5	0.7	12	23	34	47	7	1.2	22	3.1	-1.8	-2.5	1.9	0.5
	92%	91%	96%	98%	97%	97%	97%	94%	97%	97%	93%	88%	92%	91%	88%	84%
WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	15.9	4.4	-5.5	-4.3	21	53	55	20	21	0.5	37	1.6	1.4	2	-1.5	1.8
	71%	60%	92%	94%	90%	90%	89%	81%	72%	90%	78%	68%	79%	78%	71%	67%
Breed Avg. EBVs for 2015 born calves	+1.2	+0.8	-2.4	+0.5	+12	+23	+31	+33	+7	+1.0	+19	+1.5	+0.2	+0.3	+0.2	+0.2

NB: The BPT information is not yet incorporated into the Breedplan database

1. Breedplan sire listings

September 2017 – HEREFORD BREEDPLAN

Name/ID	Birth				Growth						Fertility				Carcase					Selection Indexes			
	CE Dir %	CE Dtrs %	GL days	Bwt kg	200 kg	400 kg	600 kg	Mwt kg	Milk kg	MV kg	SS cm	DC days	Cwt kg	EMA Sq cm	Rib mm	Rump mm	RBY %	IMF %	Hereford Prime Maternal	Export Maternal	Dairy Maternal	Dairy Terminal	
BEECHWOOD TURK	2.6 72%	6.4 63%	-2 92%	2.9 95%	34 91%	63 91%	79 92%	71 82%	27 73%	22 77%	1 90%	-4.5 55%	63 80%	5.7 70%	0.7 72%	1 76%	2.1 70%	-0.1 70%	\$117	\$129	\$115	\$70	
BLUESTONE 120061	8.1 59%	5 46%	-8.3 78%	1.7 90%	30 85%	46 84%	59 83%	38 74%	18 56%	17 64%	1.8 51%	-4.1 37%	46 70%	4.7 52%	-0.3 59%	-0.8 64%	2.2 57%	0.1 58%	\$111	\$119	\$135	\$83	
GLENDAN PARK TOP GUN W042 (IMP AUS)	0.6 76%	-4 67%	0.9 90%	5.9 94%	38 92%	68 92%	92 93%	87 87%	19 90%	19 90%	2 90%	-1.9 63%	62 86%	3.8 77%	0 80%	0.1 84%	1.2 78%	-0.2 78%	\$88	\$97	\$61	\$63	
KOANUI ROCKET 0219 (BM)	10.4 97%	12.1 95%	0 99%	-0.9 99%	28 99%	53 99%	72 99%	68 98%	23 99%	18 98%	3.3 98%	1.8 95%	56 98%	2.1 96%	1.2 97%	2.3 97%	0.1 96%	0.2 97%	\$129	\$124	\$188	\$95	
MATARIKI HOLY - SMOKE	-6.5 92%	0 86%	-3.8 98%	4.4 98%	44 98%	76 98%	97 98%	70 95%	12 95%	17 95%	1.8 98%	-4.4 65%	75 92%	6 84%	1.7 86%	2.9 90%	0.8 85%	1.2 89%	\$116	\$112	\$42	\$40	
NITHDALE ELVIS 040021	-8.3 79%	-4.1 70%	-5.2 94%	6.2 96%	39 94%	63 94%	91 95%	79 91%	37 91%	28 91%	2.1 94%	-3.3 55%	57 87%	4 78%	0.3 81%	0.6 85%	1.4 79%	0.4 82%	\$76	\$81	\$5	\$26	
OKAWA DAVIS 7046	1.7 78%	-2.7 71%	2.2 76%	3.6 96%	38 95%	68 95%	93 95%	68 92%	25 90%	22 91%	1.3 94%	-2.7 57%	65 87%	3.4 79%	-0.2 83%	-0.2 87%	1.6 81%	0.3 85%	\$112	\$113	\$77	\$71	
OKAWA MARSHALL 0109	3.5 71%	-0.6 62%	1.8 56%	2.5 95%	32 93%	67 93%	96 94%	71 84%	27 81%	21 83%	1.7 92%	-4 50%	64 82%	2.7 73%	0.4 77%	0.8 82%	1 75%	0.4 80%	\$128	\$128	\$100	\$80	
OTAPAWA SPARK 3060 (ET) (BM)	2.2 93%	4.7 89%	-5.3 98%	5.2 99%	48 98%	80 98%	116 98%	132 97%	21 97%	22 97%	2.5 98%	-6.3 77%	84 95%	4.6 90%	1.6 92%	2.5 93%	-0.6 91%	2.2 92%	\$161	\$153	\$131	\$87	
WAIKAKA TURNING POINT 110015	4.5 61%	1.9 49%	-2.6 74%	2.9 94%	22 91%	42 90%	63 89%	58 80%	24 69%	18 74%	1.9 88%	-4.7 52%	47 77%	5.5 67%	0.1 72%	0.2 77%	3 69%	-1 74%	\$90	\$115	\$100	\$70	
WIRRUNA DAFFY D1 (IMP AUS)	10.3 90%	-1.3 86%	-0.3 98%	2 98%	20 98%	35 98%	34 98%	30 96%	-3 96%	4 96%	4.9 97%	-8.7 83%	47 94%	8.7 90%	1.6 90%	2.2 93%	2.8 89%	0.6 93%	\$106	\$124	\$124	\$88	
Breed Avg. EBVs 2015 Born Calves	+0.2	+1.3	-0.2	+4.3	+30	+49	+70	+64	+14	+22	+1.7	-2.3	+45	+3.1	+0.4	+0.5	+0.8	+0.3	+86	+90	+74	+52	

NB: The BPT information is not yet incorporated into the Breedplan database

1. Breedplan sire listings

September 2017 – SIMMENTAL BREEDPLAN

Name/ID	Birth				Growth				Fertility			Carcase				Other		Selection Indexes		
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	Rump	RBY	IMF	Docility	Maternal	Terminal
	%	%	days	kg	kg	kg	kg	kg	kg	cm	days	kg	sq cm	mm	mm	%	%		\$	\$
GLEN ANTHONY Y-ARTA AY02 (ET)	18.7	13.2	-6.9	-2	12	22	34	30	13	-0.8	-3.8	18	0.9	1.6	2.3	-0.4	0.3	20	\$112	\$38
	78%	64%	94%	95%	92%	91%	88%	79%	75%	80%	44%	77%	64%	71%	70%	67%	59%	84%		
GLENSIDE ATOMIC A5	-9.6	-2.7	-6.3	2.3	37	73	82	69	10	2.3	-1.7	49	4.5	-0.1	-0.4	1.6	0.3	41	\$53	\$47
	73%	58%	91%	95%	92%	93%	92%	79%	58%	90%	41%	79%	69%	81%	79%	74%	72%	90%		
HOOKS YELLOWSTONE 97Y (IMP USA)	1.8	2.4	0.5	-0.1	26	51	50	48	3	1.1		37	5	0.3	-0.2	0.5	0.4	19	\$74	\$45
	49%	38%	76%	72%	66%	63%	54%	43%	33%	61%		48%	43%	42%	42%	43%	36%	49%		
KERRAH A456	12	8.5	-3.1	0.4	30	54	70	67	15	1.1	-2.7	44	2.2	-0.6	-1	1	0.5	9	\$126	\$61
	61%	50%	57%	86%	86%	86%	88%	76%	55%	82%	38%	74%	64%	74%	73%	69%	63%	68%		
KERRAH XFACTOR AX187 (ET)	15.4	12.1	-4.4	-1.5	20	44	57	67	14	-0.1	-3.7	43	3.2	0.2	0.2	1.3	-0.3	40	\$136	\$59
	84%	75%	84%	95%	94%	94%	93%	83%	84%	92%	53%	83%	76%	85%	83%	79%	74%	94%		
KERRAH YES SIR AY393	11.8	5.6	-3.7	0.8	23	39	56	55	12	0.3	-2.5	27	1.5	1.8	2.4	-0.8	0.9	6	\$104	\$43
	63%	54%	84%	89%	85%	82%	80%	70%	62%	78%	40%	69%	60%	63%	62%	61%	48%	84%		
RISSINGTON AB5185	7.9	0.7	-6.8	0	31	61	69	61	11	2.5	-2.4	45	4.2	0.6	0.6	0.8	0.7	26	\$119	\$63
	56%	51%	80%	78%	74%	76%	70%	64%	56%	59%	34%	64%	59%	64%	63%	61%	56%	61%		
RISSINGTON NEW STANDARD AU158	6.7	-2.3	-8	-0.5	33	75	87	81	10	2.6	-4.5	54	2.7	0.9	1	-0.5	1.8	21	\$129	\$65
	82%	80%	95%	96%	95%	96%	95%	91%	90%	94%	52%	87%	81%	88%	87%	84%	80%	93%		
TOKAWEKA HANDSOME AH801	4	1.5	-2.2	2.5	36	56	79	86	14	1.7	-3.1	46	4.7	-0.2	-0.3	2.1	0.2	6	\$107	\$60
	92%	94%	96%	97%	97%	97%	97%	95%	96%	95%	76%	93%	89%	93%	93%	91%	85%	96%		
WAIKITE AA2036	6.6	4.4	-2.9	0.8	24	60	72	72	11	1.4	-1.8	48	3.4	-1.3	-1.9	1.9	0.2		\$112	\$63
	42%	40%	43%	72%	68%	71%	73%	65%	53%	73%	29%	60%	54%	58%	58%	55%	42%			
Breed Avg. EBVs for 2015 Born Calves	+1.0	+0.3	-1.2	+0.9	+18	+32	+41	+43	+8	+0.4	-1.3	+22	+2.4	+0.2	+0.1	+0.6	+0.2	+8	+70	+39

NB: The BPT information is not yet incorporated into the Breedplan database

2. Progeny Performance

Number of Calves

Breed	NameID	Herdbook	2015
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	11
Angus Intl	EF COMPLEMENT 8088	US16198796	14
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	9
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	13
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	18
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	19
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	15
Angus NZ	FOSSIL CREEK HERO H006	18681012006	23
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	22
Angus NZ	LINTON 13007 (P)	20305013007	17
Angus NZ	MATAURI OUTLIER F031	14647010F031	26
Angus NZ	MATAURI REALITY 839	14647008839	18
Angus NZ	NGAPUTAHU EUREKA E38	21095009E38	20
Angus NZ	PINEBANK 64/10	1199001064	14
Angus NZ	RISSINGTON 135057	145720135057	21
Angus NZ	RISSINGTON 135262 (ET)	145720135262	22
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	27
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	22

2. Progeny Performance

Number of Calves

Breed	NameID	Herdbook	2015
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	14
Angus NZ	STORTH OAKS H41	19507012H41	17
Angus NZ	TANGIHAU KAINO H29	16883012H29	22
Angus NZ	TE MANIA 11 553	16932011553	20
Angus NZ	TOTARANUI 238 (ET)	12922011238	20
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	23
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	34
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	4
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	4
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	5
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	18
Hereford NZ	BEECHWOOD TURK	0051100094	12
Hereford NZ	BLUESTONE 120061	1683120061	15
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	18
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	9
Hereford NZ	NITHDALE ELVIS 040021	0400040021	11
Hereford NZ	OKAWA DAVIS 7046	0617070046	19
Hereford NZ	OKAWA MARSHALL 0109	0617100109	13

2. Progeny Performance

Number of Calves

Breed	NameID	Herdbook	2015
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	27
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	11
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	9
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	11
Simmental NZ	KERRAH A456	1667AA0456	13
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	9
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	6
Simmental NZ	RISSINGTON AB5185	0049AB5185	7
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	15
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	15
Simmental NZ	WAIKITE AA2036	1455AA2036	3
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	10
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	18
Stabilizer NZ	FOCUS 135361	135361	17
Stabilizer NZ	FOCUS BIG GENE 121293	121293	14
Stabilizer NZ	FOCUS TRINITY 135263	135263	10

2. Progeny Performance

200 DAY WEIGHT

Context

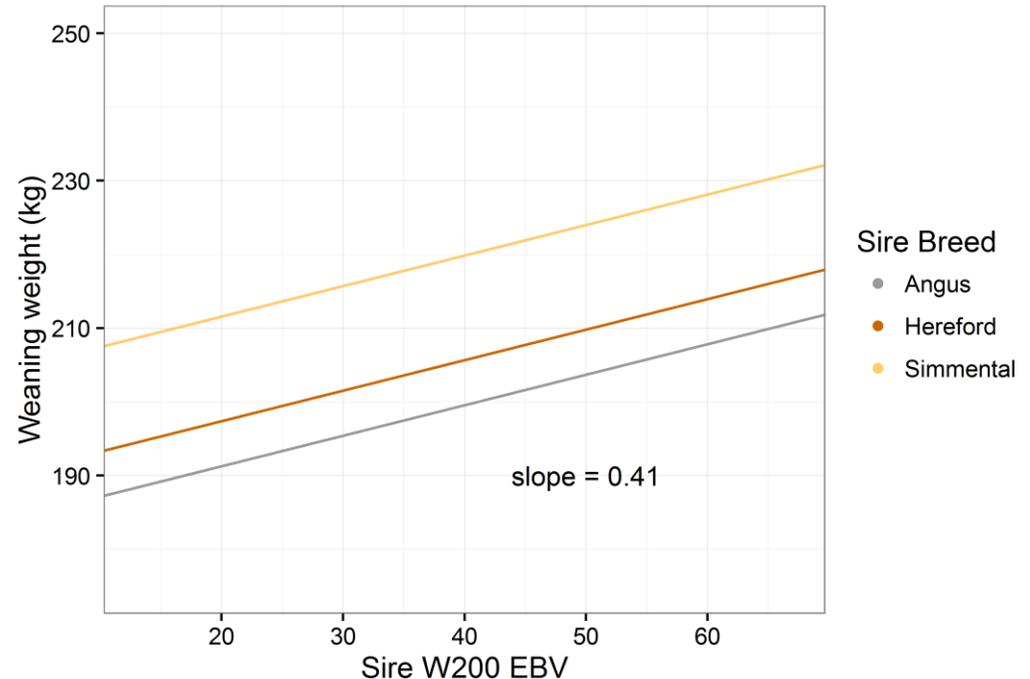
Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for 200 day weight against sire 200 day eBV a slope of 0.500 would demonstrate that all the sires 200 day weight performance has been passed on.

In this case the slope is 0.41 so 82% of the sires eBV for 200 day weight has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change.

From the BPT, the difference between the sire with the heaviest average calves at 200 days and the sire with the lightest average calves was 13.5 kg.

On selling weaners at \$4/kg, that's an extra \$54 per calf, and \$2,160 over that calf crop (if you sell all 40 calves he breeds that year).



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

200 DAY WEIGHT

Breed	NameID	Herdbook	Adj 200 day	200 day Rank
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	210.87	1
Angus NZ	TOTARANUI 238 (ET)	12922011238	210.77	2
Simmental NZ	KERRAH A456	1667AA0456	208.24	3
Simmental NZ	RISSINGTON AB5185	0049AB5185	207.06	4
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	206.70	5
Angus NZ	RISSINGTON 135262 (ET)	145720135262	206.52	6
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	206.40	7
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	206.35	8
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	205.97	9
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	205.80	10
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	205.79	11
Stabilizer NZ	Focus Big Gene 121293	121293	205.65	12
Angus NZ	TE MANIA 11 553	16932011553	205.54	13
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	205.42	14
Hereford NZ	NITHDALE ELVIS 040021	0400040021	205.37	15
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	205.09	16
Stabilizer NZ	Focus 135361	135361	205.07	17
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	204.96	18

2. Progeny Performance

200 DAY WEIGHT

Breed	NameID	Herdbook	Adj 200 day	200 day Rank
Angus NZ	TANGIHAU KAINO H29	16883012H29	204.89	19
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	204.66	20
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	204.56	21
Angus NZ	MATAURI REALITY 839	14647008839	204.41	22
Simmental NZ	WAIKITE AA2036	1455AA2036	204.34	23
Angus NZ	STORTH OAKS H41	19507012H41	204.33	24
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	204.19	25
Angus NZ	PINEBANK 64/10	1199001064	203.61	26
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	203.57	27
Angus NZ	MATAURI OUTLIER F031	14647010F031	203.51	28
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	203.44	29
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	203.39	30
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	203.20	31
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	203.18	32
Hereford NZ	OKAWA MARSHALL 0109	0617100109	202.88	33
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	202.82	34
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	202.81	35
Angus NZ	NGAPUTAHI EUREKA E38	21095009E38	202.64	36

2. Progeny Performance

200 DAY WEIGHT

Breed	NameID	Herdbook	Adj 200 day	200 day Rank
Stabilizer NZ	FOCUS TRINITY 135263	135263	202.62	37
Angus NZ	RISSINGTON 135057	145720135057	202.59	38
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	202.31	39
Hereford NZ	BEECHWOOD TURK	0051100094	201.93	40
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	201.81	41
Angus NZ	LINTON 13007 (P)	20305013007	201.53	42
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	201.52	43
Hereford NZ	OKAWA DAVIS 7046	0617070046	201.40	44
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	201.32	45
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	201.08	46
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	200.98	47
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	200.45	48
Hereford NZ	BLUESTONE 120061	1683120061	200.02	49
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	199.81	50
Angus NZ	FOSSIL CREEK HERO H006	18681012006	198.01	51
Angus Intl	EF COMPLEMENT 8088	US16198796	197.48	52

2. Progeny Performance

400 DAY WEIGHT

Context

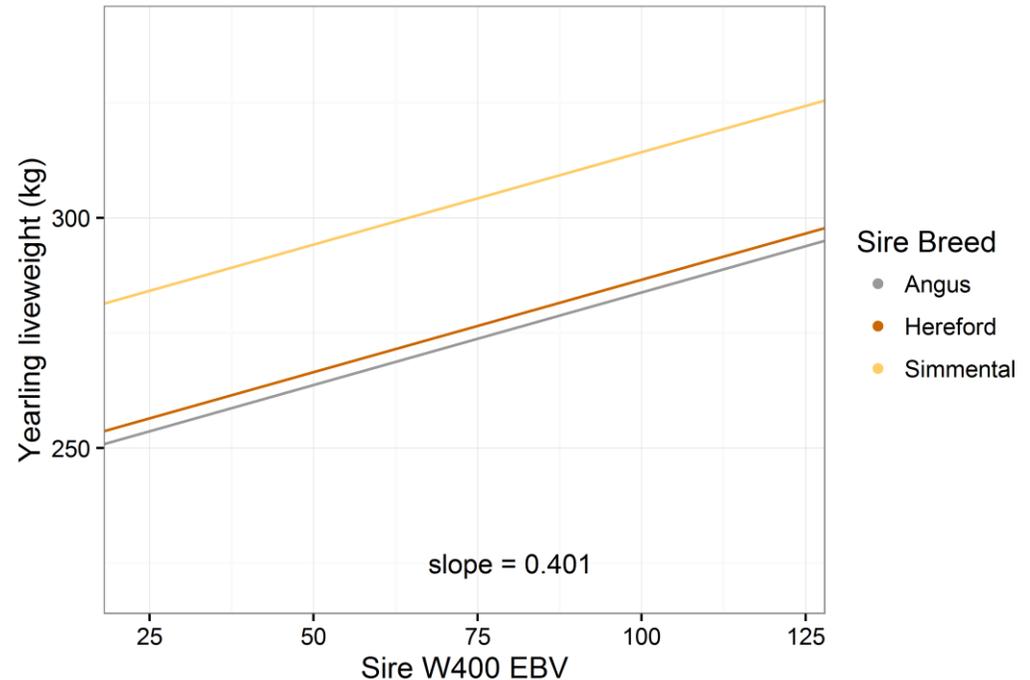
Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for 400 day weight against sire 400 day eBV a slope of 0.500 would demonstrate that all the sires 400 day weight performance has been passed on.

In this case the slope is 0.40 so 80% of the sires eBV for 400 day weight has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change.

The difference between the sire with the heaviest average yearling's and the sire with the lightest yearling's on average was 42kg

On selling yearlings at \$4/kg, that's an extra \$168 per calf and \$6720 over that calf crop (if you sell all 40 calves he breeds that year).



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

400 DAY WEIGHT

Breed	NameID	Herdbook	Adj 400 day	400 day Rank
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	296.29	1
Simmental NZ	KERRAH A456	1667AA0456	292.21	2
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	283.42	3
Simmental NZ	RISSINGTON AB5185	0049AB5185	280.85	4
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	279.19	5
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	278.89	6
Angus NZ	STORTH OAKS H41	19507012H41	278.77	7
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	277.90	8
Stabilizer NZ	Focus 135361	135361	276.05	9
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	275.85	10
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	275.64	11
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	275.28	12
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	275.22	13
Angus NZ	RISSINGTON 135262 (ET)	145720135262	274.90	14
Simmental NZ	WAIKITE AA2036	1455AA2036	274.58	15
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	273.96	16
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	273.09	17
Angus NZ	TOTARANUI 238 (ET)	12922011238	272.83	18

2. Progeny Performance

400 DAY WEIGHT

Breed	NameID	Herdbook	Adj 400 day	400 day Rank
Stabilizer NZ	FOCUS BIG GENE 121293	121293	272.45	19
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	272.32	20
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	271.89	21
Hereford NZ	NITHDALE ELVIS 040021	0400040021	271.86	22
Angus NZ	MATAURI OUTLIER F031	14647010F031	270.44	23
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	270.37	24
Angus NZ	MATAURI REALITY 839	14647008839	269.36	25
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	269.31	26
Stabilizer NZ	FOCUS TRINITY 135263	135263	268.37	27
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	268.34	28
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	268.11	29
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	268.11	30
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	267.13	31
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	266.60	32
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	266.07	33
Hereford NZ	OKAWA MARSHALL 0109	0617100109	265.89	34
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	265.07	35
Hereford NZ	OKAWA DAVIS 7046	0617070046	264.77	36

2. Progeny Performance

400 DAY WEIGHT

Breed	NameID	Herdbook	Adj 400 day	400 day Rank
Angus NZ	RISSINGTON 135057	145720135057	264.01	37
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	264.01	38
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	262.16	39
Angus NZ	NGAPUTAHU EUREKA E38	21095009E38	261.78	40
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	261.63	41
Angus NZ	TANGIHAU KAINO H29	16883012H29	261.16	42
Angus NZ	TE MANIA 11 553	16932011553	261.09	43
Hereford NZ	BLUESTONE 120061	1683120061	261.04	44
Angus Intl	EF COMPLEMENT 8088	US16198796	260.65	45
Angus NZ	FOSSIL CREEK HERO H006	18681012006	260.32	46
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	259.99	47
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	259.59	48
Angus NZ	LINTON 13007 (P)	20305013007	256.12	49
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	255.80	50
Angus NZ	PINEBANK 64/10	1199001064	254.90	51
Hereford NZ	BEECHWOOD TURK	0051100094	254.32	52

2. Progeny Performance

600 DAY WEIGHT

Context

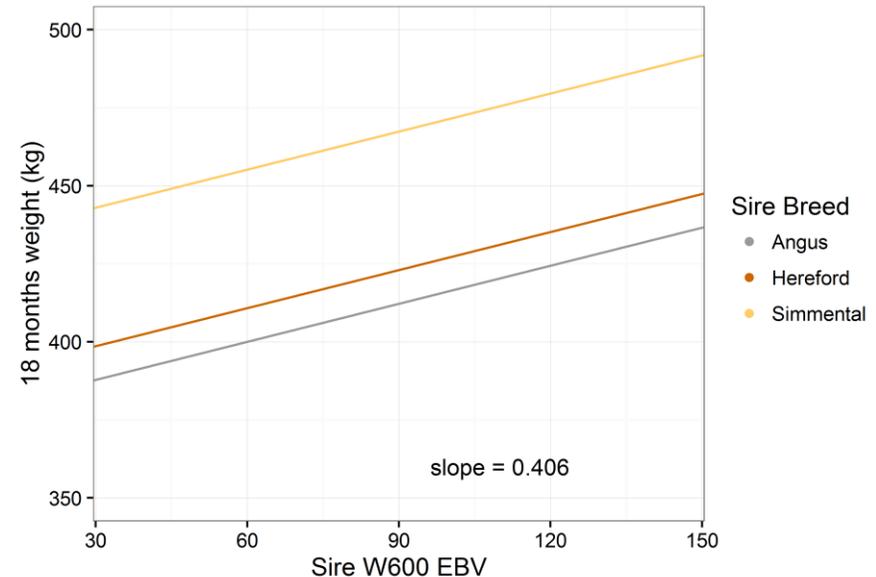
Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for 600 day weight against sire 600 day eBV a slope of 0.500 would demonstrate that all the sires 600 day weight performance has been passed on.

In this case the slope is 0.41 so 80% of the sires eBV for 600 day weight has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change.

The difference between the sire with the heaviest average 18 month progeny and the sire with the lightest 18 month progeny on average was 72kg

On killing 18 month cattle at \$5.50/kg, and allowing for dressing %, that's an extra \$210 per calf and \$8,400 over that calf crop (if you sell all 40 calves he breeds that year).



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

600 DAY WEIGHT

Breed	NameID	Herdbook	Adj 600 day	600 day Rank
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	479.14	1
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	455.41	2
Simmental NZ	KERRAH A456	1667AA0456	446.00	3
Simmental NZ	RISSINGTON AB5185	0049AB5185	444.70	4
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	442.79	5
Simmental NZ	WAIKITE AA2036	1455AA2036	442.56	6
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	442.25	7
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	441.40	8
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	440.11	9
Angus NZ	MATAURI OUTLIER F031	14647010F031	438.80	10
Angus NZ	RISSINGTON 135262 (ET)	145720135262	437.53	11
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	436.77	12
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	436.36	13
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	436.30	14
Stabilizer NZ	FOCUS BIG GENE 121293	121293	436.28	15
Angus NZ	STORTH OAKS H41	19507012H41	434.40	16
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	434.25	17
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	434.10	18

2. Progeny Performance

600 DAY WEIGHT

Breed	NameID	Herdbook	Adj 600 day	600 day Rank
Stabilizer NZ	FOCUS 135361	135361	434.00	19
Angus NZ	TOTARANUI 238 (ET)	12922011238	432.72	20
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	432.72	21
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	431.94	22
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	431.82	23
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	431.40	24
Hereford NZ	OKAWA MARSHALL 0109	0617100109	431.13	25
Hereford NZ	NITHDALE ELVIS 040021	0400040021	430.66	26
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	430.48	27
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	429.64	28
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	429.34	29
Hereford NZ	OKAWA DAVIS 7046	0617070046	428.80	30
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	428.40	31
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	428.25	32
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	428.09	33
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	425.75	34
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	425.61	35
Angus Intl	EF COMPLEMENT 8088	US16198796	425.10	36

2. Progeny Performance

600 DAY WEIGHT

Breed	NameID	Herdbook	Adj 600 day	600 day Rank
Angus NZ	FOSSIL CREEK HERO H006	18681012006	424.37	37
Angus NZ	NGAPUTAHU EUREKA E38	21095009E38	423.98	38
Angus NZ	MATAURI REALITY 839	14647008839	423.82	39
Hereford NZ	BLUESTONE 120061	1683120061	422.26	40
Angus NZ	TANGIHAU KAINO H29	16883012H29	421.97	41
Stabilizer NZ	FOCUS TRINITY 135263	135263	421.15	42
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	419.03	43
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	418.89	44
Angus NZ	TE MANIA 11 553	16932011553	418.85	45
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	418.39	46
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	418.25	47
Hereford NZ	BEECHWOOD TURK	0051100094	418.18	48
Angus NZ	RISSINGTON 135057	145720135057	414.74	49
Angus NZ	LINTON 13007 (P)	20305013007	411.19	50
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	410.31	51
Angus NZ	PINEBANK 64/10	1199001064	407.56	52

2. Progeny Performance

EMA

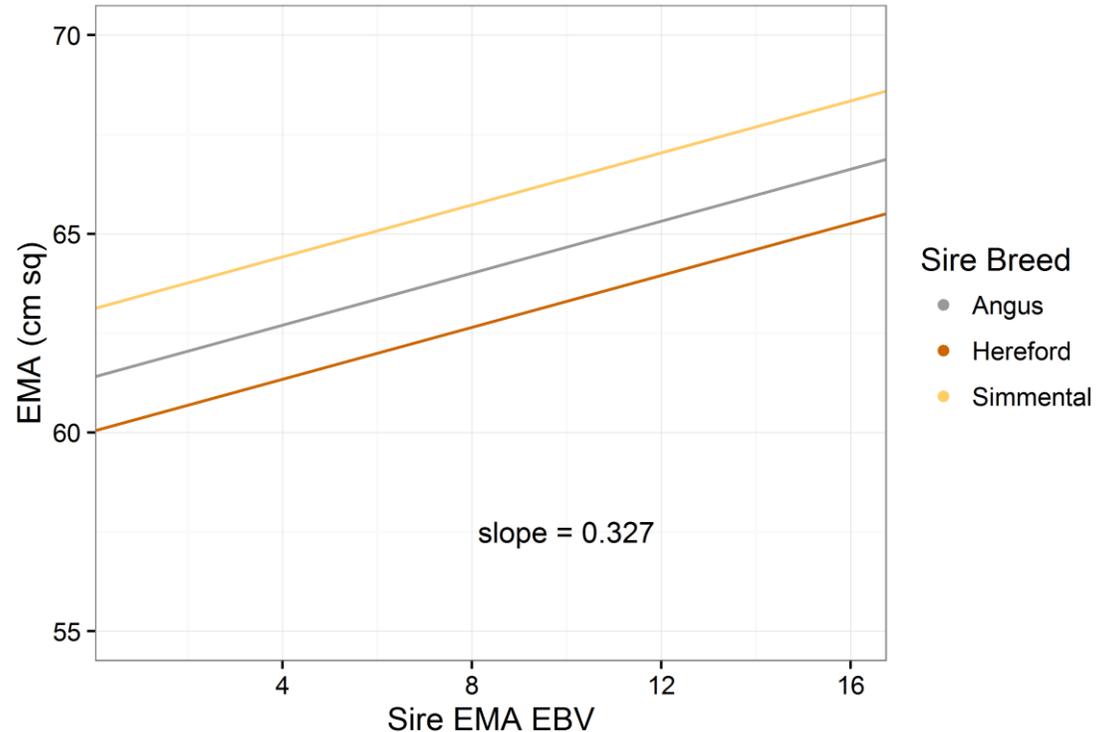
Context

Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for EMA against sire EMA eBV a slope of 0.500 would demonstrate that all the sires EMA performance has been passed on.

In this case the slope is 0.33 so 65% of the sires eBV for EMA has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change.

Using a Sire with a larger EMA EBV would be expected to produce steer progeny with a greater degree of muscle expression relative to carcass weight.



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

EMA

Breed	NameID	Herdbook	EMA	EMA Rank
Stabilizer NZ	FOCUS TRINITY 135263	135263	65.89	1
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	65.48	2
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	65.29	3
Angus NZ	TOTARANUI 238 (ET)	12922011238	65.18	4
Hereford NZ	NITHDALE ELVIS 040021	0400040021	64.80	5
Stabilizer NZ	FOCUS BIG GENE 121293	121293	64.40	6
Angus NZ	RISSINGTON 135262 (ET)	145720135262	64.39	7
Angus NZ	FOSSIL CREEK HERO H006	18681012006	64.32	8
Simmental NZ	KERRAH A456	1667AA0456	64.31	9
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	64.26	10
Angus NZ	LINTON 13007 (P)	20305013007	64.14	11
Angus Intl	EF COMPLEMENT 8088	US16198796	64.00	12
Stabilizer NZ	FOCUS 135361	135361	63.95	13
Angus NZ	STORTH OAKS H41	19507012H41	63.81	14
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	63.78	15
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	63.71	16
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	63.67	17
Simmental NZ	WAIKITE AA2036	1455AA2036	63.37	18

2. Progeny Performance

EMA

Breed	NameID	Herdbook	EMA	EMA Rank
Angus NZ	RISSINGTON 135057	145720135057	63.28	19
Angus NZ	TANGIHAU KAINO H29	16883012H29	63.23	20
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	63.22	21
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	63.21	22
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	63.10	23
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	63.06	24
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	63.06	25
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	63.01	26
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	62.99	27
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	62.97	28
Angus NZ	TE MANIA 11 553	16932011553	62.95	29
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	62.94	30
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	62.91	31
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	62.80	32
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	62.78	33
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	62.68	34
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	62.66	35
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	62.64	36

2. Progeny Performance

EMA

Breed	NameID	Herdbook	EMA	EMA Rank
Angus NZ	NGAPUTAHI EUREKA E38	21095009E38	62.59	37
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	62.40	38
Angus NZ	MATAURI OUTLIER F031	14647010F031	62.37	39
Simmental NZ	RISSINGTON AB5185	0049AB5185	62.33	40
Angus NZ	MATAURI REALITY 839	14647008839	62.26	41
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	61.92	42
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	61.92	43
Hereford NZ	OKAWA MARSHALL 0109	0617100109	61.81	44
Hereford NZ	BEECHWOOD TURK	0051100094	61.40	45
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	61.36	46
Hereford NZ	BLUESTONE 120061	1683120061	61.12	47
Angus NZ	PINEBANK 64/10	1199001064	60.77	48
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	60.63	49
Hereford NZ	OKAWA DAVIS 7046	0617070046	60.43	50
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	60.32	51
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	58.79	52

2. Progeny Performance

Rump Fat

Context

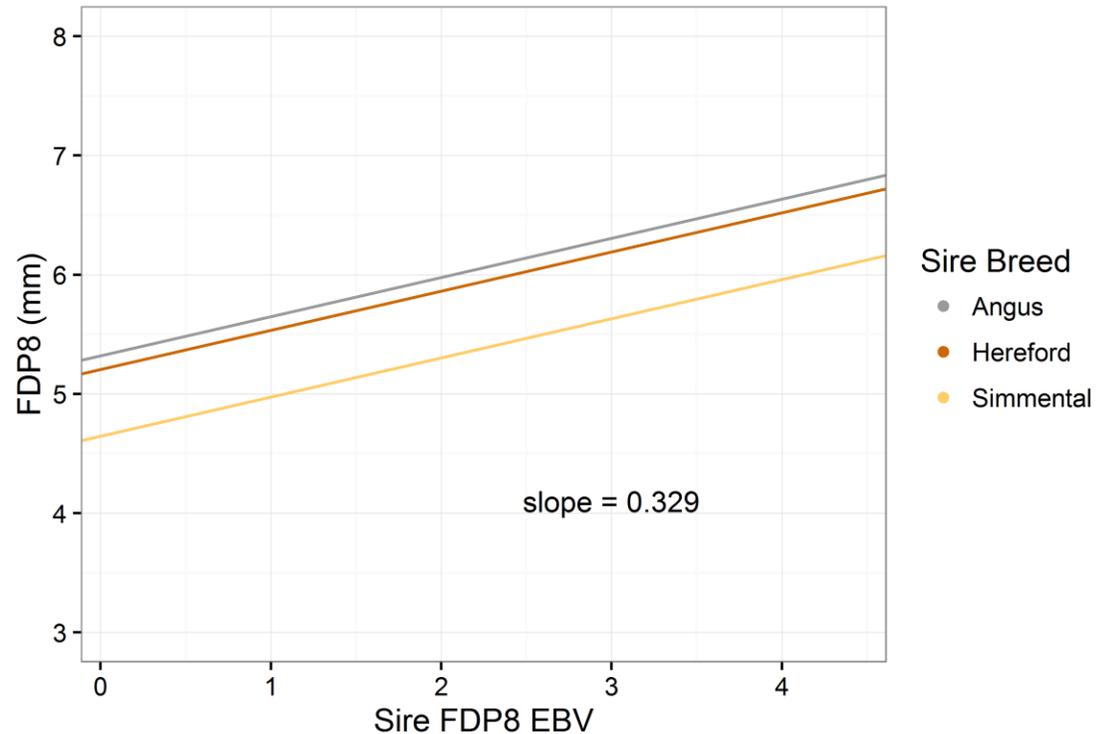
Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for Rump fat against sire Rump fat eBV a slope of 0.500 would demonstrate that all the sires Rump fat performance has been passed on.

In this case the slope is 0.33 so 66% of the sires eBV for Rump fat has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change

Animals that achieve standard NZ market specifications for external fat (at slaughter) do not receive price reductions.

The value of changing external fat will depend on the level of finish on steers.



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

Rump Fat

Breed	NameID	Herdbook	Rump fat	Rump fat Rank
Angus NZ	RISSINGTON 135057	145720135057	6.75	1
Angus NZ	FOSSIL CREEK HERO H006	18681012006	6.40	2
Stabilizer NZ	FOCUS TRINITY 135263	135263	6.31	3
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	6.19	4
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	6.04	5
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	6.02	6
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	6.00	7
Angus NZ	RISSINGTON 135262 (ET)	145720135262	5.96	8
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	5.89	9
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	5.88	10
Angus NZ	PINEBANK 64/10	1199001064	5.83	11
Angus NZ	MATAURI REALITY 839	14647008839	5.70	12
Hereford NZ	OKAWA MARSHALL 0109	0617100109	5.67	13
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	5.66	14
Angus NZ	TANGIHAU KAINO H29	16883012H29	5.63	15
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	5.54	16
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	5.53	17
Angus NZ	STORTH OAKS H41	19507012H41	5.53	18

2. Progeny Performance

Rump Fat

Breed	NameID	Herdbook	Rump fat	Rump fat Rank
Angus NZ	MATAURI OUTLIER F031	14647010F031	5.46	19
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	5.38	20
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	5.36	21
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	5.35	22
Angus NZ	LINTON 13007 (P)	20305013007	5.31	23
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	5.28	24
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	5.27	25
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	5.26	26
Angus Intl	EF COMPLEMENT 8088	US16198796	5.23	27
Angus Intl	CONNELY REVENUE 7392 (IMP USA)	US17220531	5.21	28
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	5.16	29
Hereford NZ	BLUESTONE 120061	1683120061	5.15	30
Simmental NZ	WAIKITE AA2036	1455AA2036	5.15	31
Angus NZ	TE MANIA 11 553	16932011553	5.14	32
Hereford NZ	NITHDALE ELVIS 040021	0400040021	5.14	33
Hereford NZ	OKAWA DAVIS 7046	0617070046	5.13	34
Simmental NZ	KERRAH A456	1667AA0456	5.13	35
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	5.03	36

2. Progeny Performance

Rump Fat

Breed	NameID	Herdbook	Rump fat	Rump fat Rank
Angus NZ	TOTARANUI 238 (ET)	12922011238	4.95	37
Angus NZ	NGAPUTAHI EUREKA E38	21095009E38	4.94	38
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	4.92	39
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	4.86	40
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	4.82	41
Hereford NZ	BEECHWOOD TURK	0051100094	4.81	42
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	4.78	43
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	4.77	44
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	4.77	45
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	4.68	46
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	4.59	47
Simmental NZ	RISSINGTON AB5185	0049AB5185	4.57	48
Stabilizer NZ	FOCUS 135361	135361	4.51	49
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	4.21	50
Stabilizer NZ	FOCUS BIG GENE 121293	121293	4.19	51
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	3.63	52

2. Progeny Performance

Rib Fat

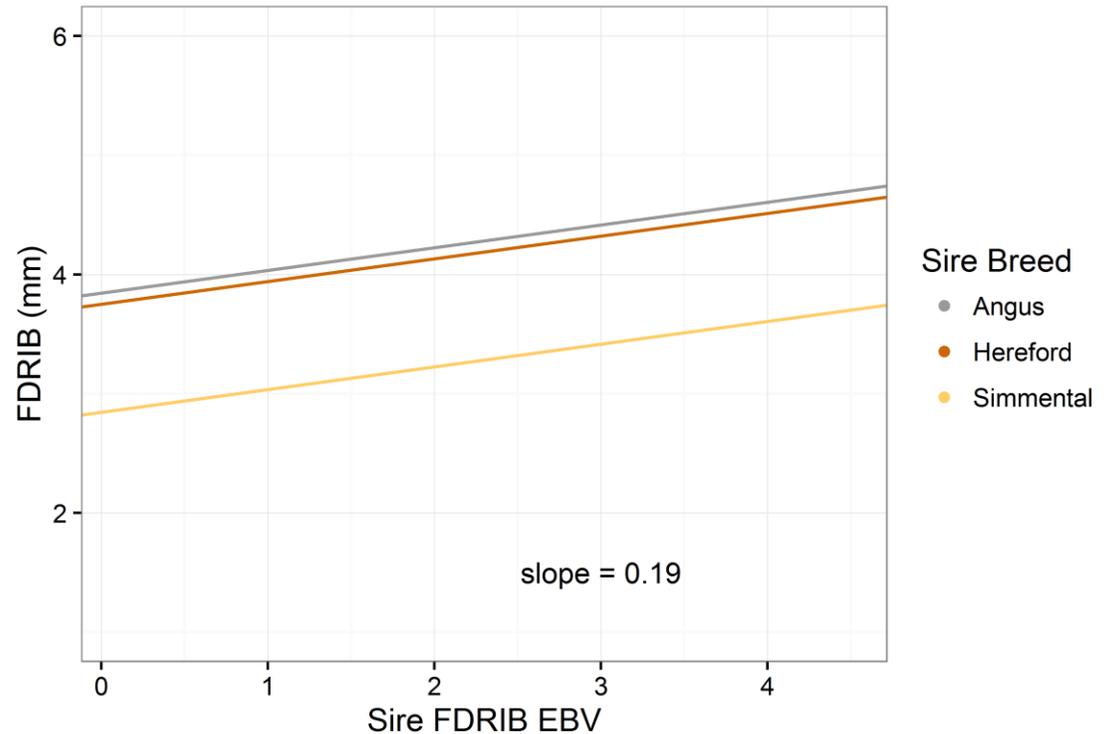
Context

Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for Rib fat against sire Rib fat eBV a slope of 0.500 would demonstrate that all the sires Rib fat performance has been passed on.

In this case the slope is 0.19 so 40% of the sires eBV for Rib fat has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change.

When assuming a 40 cents/kg premium from processors that grade for rib fat, a 300kg carcass meeting the grade (that includes other EQ measures) equates to an extra \$120 per head.



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

Rib Fat

Breed	NameID	Herdbook	Rib fat	Rib fat Rank
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	4.66	1
Angus NZ	RISSINGTON 135057	145720135057	4.45	2
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	4.41	3
Stabilizer NZ	FOCUS TRINITY 135263	135263	4.36	4
Angus NZ	TANGIHAU KAINO H29	16883012H29	4.32	5
Hereford NZ	OKAWA MARSHALL 0109	0617100109	4.32	6
Angus NZ	PINEBANK 64/10	1199001064	4.29	7
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	4.17	8
Angus NZ	MATAURI REALITY 839	14647008839	4.09	9
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	4.06	10
Angus NZ	LINTON 13007 (P)	20305013007	4.02	11
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	3.98	12
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	3.96	13
Angus NZ	FOSSIL CREEK HERO H006	18681012006	3.94	14
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	3.94	15
Simmental NZ	KERRAH A456	1667AA0456	3.89	16
Angus NZ	RISSINGTON 135262 (ET)	145720135262	3.88	17
Angus NZ	TE MANIA 11 553	16932011553	3.88	18

2. Progeny Performance

Rib Fat

Breed	NameID	Herdbook	Rib fat	Rib fat Rank
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	3.86	19
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	3.86	20
Hereford NZ	OKAWA DAVIS 7046	0617070046	3.84	21
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	3.83	22
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	3.81	23
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	3.80	24
Angus NZ	STORTH OAKS H41	19507012H41	3.78	25
Hereford NZ	NITHDALE ELVIS 040021	0400040021	3.77	26
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	3.76	27
Simmental NZ	WAIKITE AA2036	1455AA2036	3.70	28
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	3.68	29
Angus NZ	TOTARANUI 238 (ET)	12922011238	3.65	30
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	3.65	31
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	3.62	32
Angus NZ	MATAURI OUTLIER F031	14647010F031	3.61	33
Hereford NZ	BLUESTONE 120061	1683120061	3.57	34
Angus NZ	NGAPUTAHI EUREKA E38	21095009E38	3.55	35
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	3.53	36

2. Progeny Performance

Rib Fat

Breed	NameID	Herdbook	Rib fat	Rib fat Rank
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	3.52	37
Angus Intl	EF COMPLEMENT 8088	US16198796	3.52	38
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	3.38	39
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	3.34	40
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	3.31	41
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	3.30	42
Simmental NZ	RISSINGTON AB5185	0049AB5185	3.30	43
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	3.28	44
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	3.26	45
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	3.23	46
Stabilizer NZ	FOCUS 135361	135361	3.18	47
Hereford NZ	BEECHWOOD TURK	0051100094	3.06	48
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	3.05	49
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	3.05	50
Stabilizer NZ	FOCUS BIG GENE 121293	121293	2.95	51
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	2.28	52

2. Progeny Performance

IMF

Context

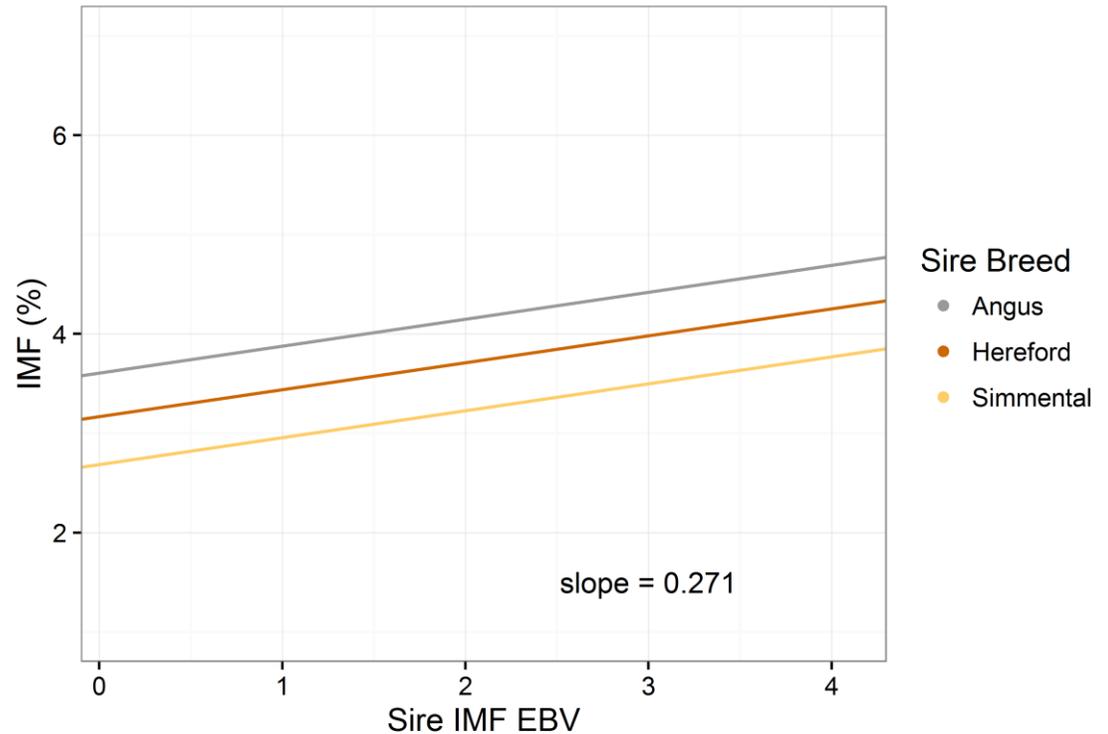
Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for IMF against sire IMF eBV a slope of 0.500 would demonstrate that all the sires IMF performance has been passed on.

In this case the slope is 0.27 so 54% of the sires eBV for IMF has been translated into performance under commercial conditions. As more data is collected from the BPT this number may change.

Marbling is a critical component for several branded beef programmes and along with pH is a major reason for carcasses failing to meet specifications. Improving marbling genetics in your herd will increase percentage of animals which grade.

If the premium for a carcass which grades is 40c/kg, this is worth \$120 per additional carcass meeting specifications.



Note:

- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

2. Progeny Performance

IMF

Breed	NameID	Herdbook	Adj IMF	IMF Rank
Angus Intl	RENNYLEA EDMUND E11 (AI) (ET) (IMP AUS) (ET)	AUNORE11	4.38	1
Angus NZ	LINTON 13007 (P)	20305013007	4.28	2
Angus NZ	TANGIHAU KAINO H29	16883012H29	4.21	3
Angus NZ	TOTARANUI 238 (ET)	12922011238	4.19	4
Angus NZ	RISSINGTON 135262 (ET)	145720135262	4.09	5
Stabilizer NZ	FOCUS FORCEFUL 135159	135159	3.94	6
Angus NZ	RISSINGTON ANALYST 135252 (ET)	145720135252	3.93	7
Angus NZ	RISSINGTON 135057	145720135057	3.93	8
Angus Intl	EF COMPLEMENT 8088	US16198796	3.91	9
Hereford NZ	NITHDALE ELVIS 040021	0400040021	3.90	10
Angus NZ	FOSSIL CREEK HERO H006	18681012006	3.76	11
Angus Intl	G A R MOMENTUM (IMP USA)	US17354145	3.74	12
Angus NZ	STORTH OAKS H41	19507012H41	3.74	13
Angus NZ	MATAURI REALITY 839	14647008839	3.72	14
Angus Intl	CONNEALY REVENUE 7392 (IMP USA)	US17220531	3.71	15
Angus NZ	TE MANIA 11 553	16932011553	3.64	16
Angus NZ	RISSINGTON RESOLUTE 120992 (ET)	145720120992	3.63	17
Hereford NZ	OKAWA DAVIS 7046	0617070046	3.61	18

2. Progeny Performance

IMF

Breed	NameID	Herdbook	Adj IMF	IMF Rank
Stabilizer NZ	FOCUS FOREFRONT 121599	121599	3.58	19
Hereford NZ	MATARIKI HOLY - SMOKE	0281070390	3.58	20
Angus NZ	PINEBANK 64/10	1199001064	3.56	21
Angus NZ	RISSINGTON PROMINENT 100104	145720100104	3.52	22
Angus NZ	TURIHAUA CRUMP E5 (ET)	17691009E5	3.46	23
Simmental NZ	RISSINGTON NEW STANDARD AU158	0049AU0158	3.41	24
Hereford Intl	WIRRUNA DAFFY D1 (IMP AUS)	AUWNAD1	3.37	25
Hereford NZ	WAIKAKA TURNING POINT 110015	0328110015	3.35	26
Angus NZ	MATAURI OUTLIER F031	14647010F031	3.33	27
Simmental NZ	KERRAH A456	1667AA0456	3.32	28
Stabilizer NZ	FOCUS TRINITY 135263	135263	3.31	29
Angus NZ	NGAPUTAHU EUREKA E38	21095009E38	3.28	30
Angus Intl	PA SAFEGUARD 021 (IMP USA)	US16772185	3.26	31
Angus Intl	H P C A INTENSITY (IMP USA)	US17366506	3.25	32
Hereford Intl	GLENDAN PARK TOP GUN W042 (IMP AUS)	AUFSAW042	3.24	33
Hereford NZ	OKAWA MARSHALL 0109	0617100109	3.21	34
Angus NZ	GLANWORTH WAIGROUP 1213	1215401213	3.17	35
Stabilizer NZ	FOCUS BIG GENE 121293	121293	3.17	36

2. Progeny Performance

IMF

Breed	NameID	Herdbook	Adj IMF	IMF Rank
Hereford NZ	OTAPAWA SPARK 3060 (ET) (BM)	0347033060	3.13	37
Hereford NZ	KOANUI ROCKET 0219 (BM)	0216000219	3.12	38
Simmental NZ	RISSINGTON AB5185	0049AB5185	3.12	39
Simmental NZ	KERRAH XFACTOR AX187 (ET)	1667AX0187	3.09	40
Simmental NZ	GLEN ANTHONY Y-ARTA AY02 (ET)	0299AY0002	3.05	41
Hereford NZ	BLUESTONE 120061	1683120061	3.01	42
Simmental NZ	GLENSIDE ATOMIC A5	1312AA0005	2.99	43
Charolais Intl	WELCOME SWALLOW EASY GAIN F508 (AI) (ET) (P)	AUCMAF508E	2.96	44
Charolais NZ	SILVERSTREAM PERFORMER P38EF (ET)	083990038F	2.93	45
Simmental NZ	WAIKITE AA2036	1455AA2036	2.92	46
Stabilizer NZ	FOCUS 135361	135361	2.84	47
Simmental NZ	KERRAH YES SIR AY393	1667AY0393	2.82	48
Angus NZ	TURIHAUA LIBERATION C27	17691007C27	2.79	49
Angus Intl	S A V BRUISER 9164 (IMP USA)	US16396531	2.74	50
Simmental NZ	TOKAWEKA HANDSOME AH801	0079AH0801	2.56	51
Hereford NZ	BEECHWOOD TURK	0051100094	2.50	52

3. Other Outcomes

BODY CONDITION SCORE

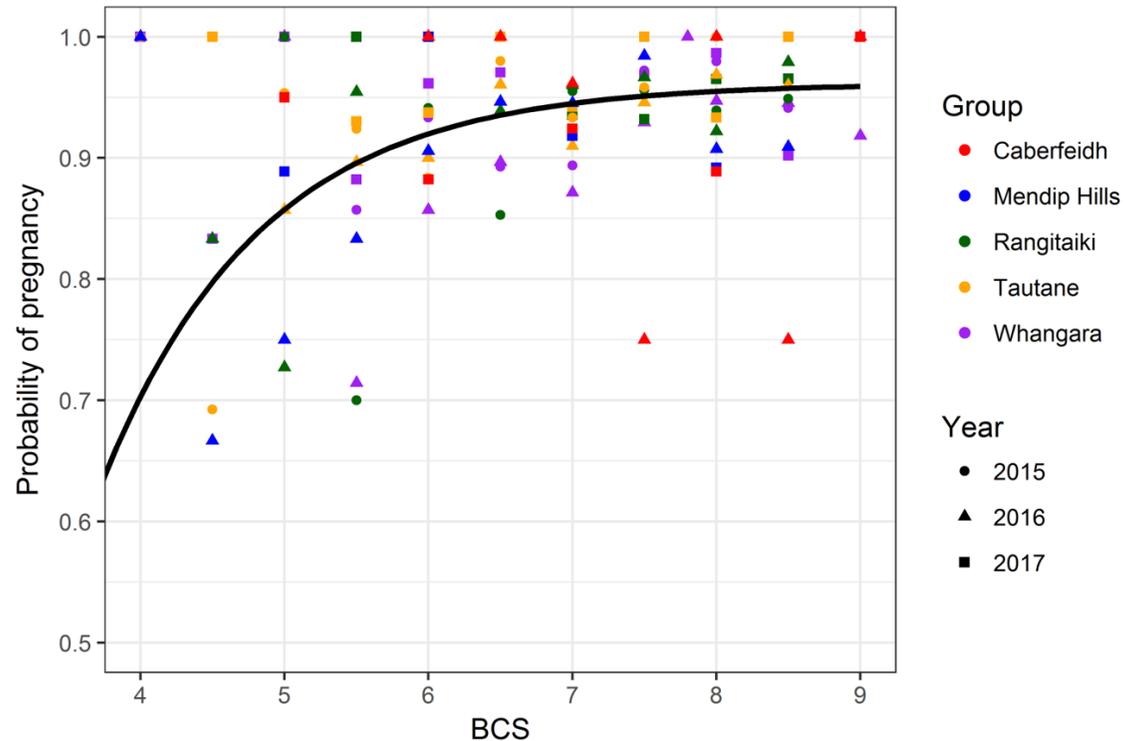
Context

The economics of improving cow body condition score (BCS) at mating on the probability of pregnancy are undeniable.

While diminishing returns apply after achieving a BCS of 7, moving from a 4 or 5 to 6 improved pregnancy from 70% to over 90% respectively.

This can result in an extra 20 calves on the ground which equates to an ROI of \$20,000 (not accounting for the extra cost of feed to lift BCS from 4 to 6).

Lifting 2 condition scores requires approximately 330 kg of feed per cow, and at \$0.10 per kg would cost \$3,300 over 100 cows.



3. Other Outcomes

HEIFER CONCEPTION DATE vs SIRE DTC EBV

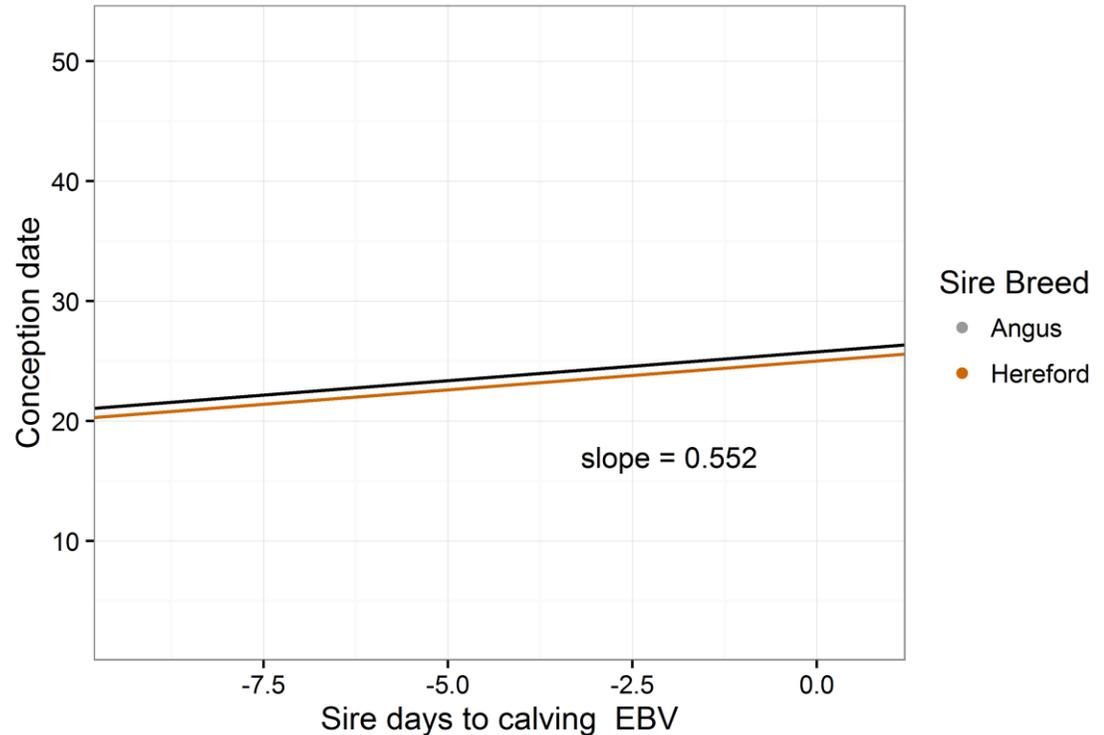
Context

Progeny receive half of their genes from their sire. The other half of their genes comes from the dam.

So when plotting progeny performance for Days to calving (DTC) against sire DTC eBV a slope of 0.500 would demonstrate that all the sires DTC performance has been passed on.

In this case the slope is 0.55 indicating that the differences in Days to Calving EBVs were translated into differences in heifer conception dates. As more data is collected from the BPT we may see some changes in this value, although it is close to what we expect to see.

It is well accepted that females which conceive both early in the breeding season (and in their lives) are more fertile and more productive over their lifetimes. Early conception leads to both heavier calves at weaning (as they are older) and a greater chance of re-breeding under a fixed joining period.



Note:

- Simmental were not recorded for maternal traits
- Stabilizer sires are not included on this graph as their eBVs are produced outside Breedplan
- Charolais sires have not been compared as only 2 sires were used in cohort 1- this number is insufficient for fair comparison.

4. Appendix

Breedplan EBVs and selection indexes

BREEDPLAN EBVs:

CE Dir: Calving Ease Direct (%) EBVs are genetic differences in the ability of calves to be born unassisted from two-year-old heifers. Higher EBVs indicate greater calving ease.

CE Dtrs: Calving Ease Daughters (%) EBVs are genetic differences in the ability of an animal's daughters to calve unassisted as two-year-old heifers. Higher EBVs indicate greater calving ease.

GL: Gestation Length (days) EBVs are genetic differences in the length of time from the date of conception to the calf birth date. Lower EBVs indicate shorter gestation length.

Bwt: Birth Weight (kg) EBVs are genetic differences in calf weight at birth. Lower EBVs indicate lighter birth weight.

200: 200 Day Growth (kg) EBVs are genetic differences in live weight at 200 days of age due to genetics for growth. Higher EBVs indicate heavier live weight.

400: 400 Day Weight (kg) EBVs are genetic differences in live weight at 400 days of age. Higher EBVs indicate heavier live weight.

600: 600 Day Weight (kg) EBVs are genetic differences in live weight at 600 days of age. Higher EBVs indicate heavier live weight.

MV: (Hereford) Maternal Value EBV is an index of the EBV's for 200-day Growth and 200-day Milk and is calculated by the following formulae:

For sires: $MV = \frac{1}{2} \text{Milk EBV} + \frac{1}{4} \text{200-day Growth EBV}$

For dams: $MV = \text{Milk EBV} + \frac{1}{2} \text{200-day Growth EBV}$

Mwt: Mature Cow Weight (kg) EBVs are genetic differences in mature weight at 5 years of age. Higher EBVs indicate heavier mature weight.

Milk: Milk (kg) EBVs are genetic differences in live weight at 200 days of age due to the maternal contribution of the dam. Higher EBVs indicate heavier live weight.

SS: Scrotal Size (cm) EBVs are genetic differences in scrotal circumference at 400 days of age. Higher EBVs indicate larger scrotal size.

DC: Days to Calving (days) EBVs are genetic differences in the length of time from the start of the joining period until subsequent calving. Lower EBVs indicate less time to calving.

Cwt: Carcase Weight (kg) EBVs are genetic differences in dressed carcase weight at 750 days of age. Higher EBVs indicate heavier carcase weight.

EMA: Eye Muscle Area (cm²) EBVs are genetic differences in eye muscle area at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate larger eye muscle

Rib: Rib Fat (mm) EBVs are genetic differences in fat depth at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate more fat.

Rump: Rump Fat (mm) EBVs are genetic differences in fat depth at the P8 site in a 400 kg carcase. Higher EBVs indicate more fat.

RBV: Retail Beef Yield (%) EBVs are genetic differences in saleable meat from a 400 kg carcase. Higher EBVs indicate higher yield.

IMF: Intramuscular Fat (%) EBVs are genetic differences in intramuscular fat at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate more intramuscular fat.

Docility: Docility (%) EBVs are genetic differences in the proportion of an animal's progeny that will have acceptable temperament. Higher EBVs indicate better temperament. Note- This is currently a Trial EBV.

4. Appendix

SELECTION INDEXES:

Angus

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

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

Simmental

Maternal (Self Replacing) Index - Estimates the genetic differences between animals in net profitability per cow joined for an example self-replacing commercial herd (run in a temperate environment) producing steers. This Index assumes that the joinings are to British breed cows where there is only a modest concern about calving difficulty. The steer progeny are pasture grown and finished and marketed to produce a 300kg carcass at 16 months. Daughters are retained for breeding.

Terminal Index - Estimates the genetic differences between animals in net profitability per cow joined for an example commercial crossbred herd (run in a temperate environment) targeting grass-finished production. This Index assumes the joinings are to British breed cows where there is only a modest concern about calving difficulty.

Hereford

Hereford Prime Index - Estimates the genetic differences between animals in net profitability per cow joined for an example commercial self replacing herd where Hereford bulls are joined to either Hereford or British breed females targeting the production of grass-finished steers for the Hereford Prime program. Steers are assumed marketed at 510 kg live weight (275 kg carcass weight and 10 mm fat depth) at 20 months of age. Daughters are retained for breeding.

Export Index - Estimates the genetic differences between animals in net profitability per cow joined for an example commercial self replacing Hereford herd targeting the production of grass-finished steers for the export trade. Steers are assumed marketed at 600 kg live weight (330 kg carcass weight and 10 mm fat depth) at 20 months of age. Daughters are retained for breeding.

Dairy Maternal Index - Estimates the genetic differences between animals in net profitability per cow joined for an example commercial dairy herd targeting the production of dairy beef progeny. All steers are assumed marketed at 500 kg live weight (260 kg carcass weight and 6 mm fat depth) at 20 months of age. The Hereford Dairy cross heifer progeny are particularly sought after as beef breeding cows and consequently, maternal traits are of importance.

Dairy Terminal Index - Estimates the genetic differences between animals in net profitability per cow joined for an example commercial dairy herd targeting the production of dairy beef progeny where all progeny are slaughtered. Steers are assumed marketed at 500 kg live weight (260 kg carcass weight and 6 mm fat depth) at 18 months of age.

4. Appendix

Progeny Performance Summary Table

This listing provides an indication on how the sires are performing within the BPT. The values listed can only be validly used to compare sires within each cohort of the BPT.

For selection purposes it is strongly advised that the Breedplan EBVs and selection indexes listed in the report be used primarily.

They are the highest accuracy information to use in selection as they take into account all available industry data. It is intended that the BPT data will be made available for incorporating into Breedplan EBVs, although current EBVs do not include the data.

They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the breed population.

Interpreting the Progeny Performance Listing

Number of calves = Number of progeny the sire has recorded for the specified trait. This excludes any progeny in single animal contemporary groups.

Progeny Average = The average performance of this sires progeny for the specified trait in the BPT. The average is calculated using adjusted data (i.e. the standard BREEDPLAN adjustments for the age of the progeny and age of the dams). It is calculated using a least squares means (LSM) model which takes into herd and contemporary group.

Rank = The ranking position of the sire within the specified cohort. The ranking order will depend on the trait. E.g. 200 Day weight ranked in descending order, while birth weight is ranked in ascending order.

The lists are sorted on rank.

The reports will be regularly updated as further BPT data is recorded and analysed.