



PROGENY PERFORMANCE REPORT

COHORT 3



Acknowledgments:

Angus Australia thanks the following organisations for their support of the Angus Sire Benchmarking Program (ASBP):

Co-Funding Partner

Meat and Livestock Australia

Industry Partners

Rangers Valley Feedlot
John Dee Abattoir
University of New England (UNE)
Bayer Australia Limited (Cohorts 1 to 5)
Vetoquinol (Cohort 6)

Co-operator Cow Herds

Brad and Marg Gilmour, Boorcan, VIC.
Rob and Sally Bulle, Ardrossan, Holbrook, NSW.
Hugh Munro, Glenroy, Gravesend, NSW.
Roger and Geralyn Flower, Myola, Black Mountain, NSW.
Trevor Nash, Stradbroke Pastoral, Yarralee, Coolah, NSW.
Rob Dugdale and Jeff Richie, Springmount, Black Mountain, NSW.
Richard and Ruth Puddicombe, Burindi, Barraba, NSW.
Shaun Uebergang, Pearsby Hall, Delungra, NSW.
Stephen and Amity Chase, Waitara, Trangie, NSW.
NSW DPI, Trangie Agricultural Research Centre, Trangie, NSW.
NSW DPI, Glen Innes Research Station, Glen Innes, NSW.

Bull Owners and Nominators

Angus Australia thanks the numerous bull owner and nominators that have entered the ASBP. For sire ownership details please refer to the Angus Australia website (www.angusaustralia.com.au).

Data Analysis Support

Matias Suarez, NSW DPI, Armidale, NSW.
Animal Genetics and Breeding Unit (AGBU), University of New England, Armidale, NSW.
Agricultural Business Research Institute (ABRI-BREEDPLAN), Armidale, NSW.



Angus Sire Benchmarking Program

The Angus Sire Benchmarking Program (ASBP) is a major initiative of Angus Australia with support from Meat & Livestock Australia (MLA) and industry partners such as Vetoquinol, Rangers Valley Feedlot and John Dee Abattoir.

The major objectives of the ASBP include:

1. Generate progeny test data on modern Angus bulls, particularly for hard to measure traits such as feed efficiency, abattoir carcass measurement, meat quality attributes & female reproduction.
2. Generate data for the validation & refinement of Angus BREEDPLAN.
3. Build a comprehensive phenotype and genotype database on Australian Angus for genomic technology validation, research and development.

To meet the project objectives Angus Australia aims to join an average of 40 sires a year to approximately 2,000 Angus cows to achieve a minimum of 25 progeny (50:50 steers and heifers) per sire using a fixed time AI program. The Angus cows are located across several commercial co-operator herds located in New South Wales and Victoria.

The Angus sires that enter the ASBP are nominated by Angus Australia members. Before entering the program the sires are assessed for a range of factors such as genetic diversity, genetic condition status, BREEDPLAN EBVs and selection index values. Once the progeny are born they are comprehensively performance recorded for calving ease, growth, temperament, heifer reproduction, structure, feed efficiency, abattoir carcass and beef quality attributes.

ASBP Progeny Performance Report

The ASBP Progeny Performance report includes two sections to assist with assessment of the genetic merit of the ASBP sires, being:

1. **BREEDPLAN Sire Listing** – The first section includes the Angus BREEDPLAN EBVs and selection Indexes from the noted monthly analysis (e.g. April 2016).

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 including the data generated from the ASBP. 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 Angus population.

2. **ASBP Progeny Performance Listing** – The second section includes progeny average values and rankings for a range of traits recorded within the ASBP. This listing provides an indication on how the sires are performing within the ASBP. *The values listed can only be validly used to compare sires within each cohort of the ASBP.*

Each section includes introductory notes to assist with the interpretation of the information listed.

Contact – For further questions on the ASBP contact Christian Duff, Strategic Projects Manager, Angus Australia on phone: (02) 6773 4620, mobile: 0457 457 141 or email: christian@angusaustralia.com.au

Further information on the ASBP is listed on the Angus Australia website www.angusaustralia.com.au

UNDERSTANDING THE ASBP SIRE LISTING – BREEDPLAN EBVs and SELECTION INDEXES

Name ID	August 2015 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 2																							
	Estimated Breeding Values and Accuracies (%)																							
	Birth				Growth					Fertility			Carcase					Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
ABBOTT PERFORMER E32 ESTE32	-1.3	-0.1	-5.4	+6.4	+61	+106	+153	+140	+19	+3.3	-3.6	+96	+1.6	+0.6	+0.4	+0.7	+0.3	+0.20	+0.74	-17	+123	+108	+119	+126
ABERDEEN ESTATE EXCITE E21 AHWE21	+2.5	+3.9	-3.9	+4.1	+49	+84	+119	+116	+14	+2.7	-4.5	+67	+3.6	+0.4	-0.3	-0.6	+3.1	+0.28	+0.39	-1	+128	+110	+146	+120
ANVIL ENFORCER E183 HBUE183	+3.4	+0.9	-6.8	+3.2	+52	+95	+122	+88	+28	+2.8	-3.4	+82	+6.0	+1.2	-0.9	+1.3	+0.2	+0.43	+0.94	+7	+111	+114	+98	+117

The following BREEDPLAN Estimated Breeding Values (EBVs) and selection Indexes are listed in this report. For further information visit www.angusaustralia.com.au

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.

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.

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

RBY: 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.

NFI-p: NFI-p (kg/day) EBVs are genetic differences in feed intake at a standard weight and rate of weight gain when animals are in a post-weaning growing phase. Lower EBVs indicate less feed intake and greater feed efficiency

NFI-f: NFI-f (kg/day) EBVs are genetic differences in feed intake at a standard weight and rate of weight gain when animals are in a feedlot finishing phase. Lower EBVs indicate less feed intake and greater feed efficiency

Docil: Docility (%) EBVs are genetic differences in the proportion of an animal's progeny that will have acceptable temperament. Higher EBVs indicate better temperament.

Selection Indexes:

ABI: The Angus Breeding Index estimates the genetic differences between animals in net profitability per cow joined in a typical commercial self replacing herd using Angus bulls.

DOM: The Domestic Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting the domestic supermarket trade.

GRN: The Heavy Grain Index estimates the 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.

GRS: The Heavy Grass Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture finished steers



May 2016 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 3

Estimated Breeding Values and Accuracies (%)

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	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
ALLOURA FOURTH DIMENSION F27 DGJF27	+6.9	+4.0	-3.3	-0.9	+29	+51	+57	+16	+18	+0.7	-5.2	+31	+7.0	+3.1	+2.1	-1.5	+3.8	+0.16	+0.03	-10	+97	+99	+101	+93
ALLOURA GET UP-AND-GO G19 DGJG19	-5.6	-4.2	-2.5	+4.7	+43	+84	+113	+99	+23	+1.9	-5.8	+46	+3.4	+0.3	+0.5	+0.1	+1.8	+0.15	+0.28	+12	+102	+93	+107	+99
ALPINE EXTRA SPECIAL E9 CGKE9	+2.9	+1.2	-7.7	+4.8	+33	+68	+101	+93	+12	+2.1	+1.1	+49	+4.7	-2.8	-3.6	+2.2	+0.6	-0.03	+0.32	-19	+87	+92	+84	+93
ARDCAIRNIE F96 WJMF96	+4.3	+4.2	-4.5	+2.3	+43	+78	+111	+85	+18	+2.0	-2.4	+62	+9.3	+0.9	-1.3	+1.5	+1.3	+0.05	+0.08	+0	+120	+112	+120	+121
BALD BLAIR NEW DESIGN G117 NBBG117	+1.8	+0.5	-5.2	+3.8	+43	+87	+115	+89	+29	+2.3	-4.1	+59	+6.9	-0.2	-0.3	+1.7	+1.6	-0.17	-0.20	-7	+126	+118	+132	+124
BLACKROCK F3 WMYF3	+3.7	-0.4	-10.3	+2.2	+50	+86	+114	+95	+14	+0.9	-3.6	+74	+6.3	+0.1	-0.3	+1.1	+1.1	+0.23	+0.42	+19	+116	+113	+112	+118
BOOROOMOOKA FRANKEL F510 NGMF510	-1.1	-6.6	-4.9	+7.4	+59	+106	+145	+134	+23	+3.1	-3.1	+77	+7.6	-1.6	-1.8	+2.1	+1.8	-0.19	-0.57	+12	+134	+119	+148	+129
BULLIAC FORWARD LEAP F24 QPDF24	+3.9	+0.6	-9.0	+2.9	+41	+74	+88	+75	+21	+1.2	-4.3	+49	+6.6	-1.0	-1.0	+2.2	-0.3	-0.02	+0.11	-17	+89	+104	+71	+97
CHERYLTON INFINITY G60 WLHG60	+1.8	-0.1	-5.0	+1.8	+43	+80	+103	+101	+11	+4.4	-5.6	+59	+4.6	-1.5	-1.3	+0.6	+1.4	+0.71	+1.27	+16	+108	+106	+110	+106
CHERYLTON RITO LEGACY 3R9 G40 WLHG40	-8.6	-4.5	+2.2	+7.3	+36	+52	+60	+69	+5	-0.6	-1.9	+29	+7.4	+2.1	+3.7	+0.6	-0.3	-0.16	-0.85	-20	+33	+60	-1	+50
CLUNIE RANGE FIRST CLASS F526 NBHF526	-3.8	+0.2	-4.5	+6.0	+63	+114	+153	+121	+22	+1.8	-4.4	+103	+2.7	+0.9	+0.1	-0.5	+0.6	+0.15	+0.08	-18	+118	+108	+112	+122
EXAR CONCISE 1304B USA16873429	-5.0	-2.6	-0.1	+6.0	+50	+84	+103	+88	+16	+2.0	-1.6	+58	+12.8	-2.8	-3.5	+3.1	+3.0	-0.17	-0.12	-1	+116	+116	+132	+108
GILMANDYKE FOREMAN F0066 EUDF0066	-3.0	+0.3	-7.9	+6.5	+54	+103	+151	+158	+21	+1.3	-1.4	+72	+1.8	-3.0	-2.3	+1.3	+1.6	-0.43	-0.42	+7	+122	+105	+136	+118
GLENISA AXLE A020 QBVA020	-0.3	+0.1	-1.6	+5.6	+38	+71	+92	+65	+14	+2.0	-3.2	+61	+0.9	+0.8	+0.2	-0.9	+0.4	+0.22	+0.31	+6	+70	+81	+52	+80
GLENTANNER KODIAK G10 SJVG10	-2.4	-0.4	-4.8	+4.9	+42	+74	+93	+94	+16	+1.8	-3.1	+41	-3.8	-2.6	-0.3	+0.0	+0.3	-0.57	-1.13	+19	+61	+78	+45	+70
GRANITE RIDGE FOR-PROFIT F148 SJKF148	-7.7	-5.3	-7.5	+5.5	+63	+117	+158	+137	+26	+0.3	+0.4	+97	+1.1	-0.7	-1.4	-0.4	+1.5	-0.19	-0.35	+11	+97	+93	+97	+102
HAZELDEAN F1023 NHZF1023	+4.0	+3.8	-2.2	+4.0	+44	+84	+104	+114	+8	+3.4	-8.5	+73	+5.0	+0.3	+1.1	-2.4	+5.6	+0.53	+1.18	-3	+148	+122	+190	+125
HAZELDEAN F493 NHZF493	-2.0	+2.6	-6.3	+6.9	+53	+95	+120	+97	+19	+3.6	-8.2	+61	+11.2	+0.4	+0.2	+1.6	+3.6	+0.49	+0.64	+5	+163	+138	+192	+145
J & C EVIDENCE E11 BCHE11	-6.8	-4.6	-5.7	+9.4	+62	+111	+137	+135	+7	+3.4	-3.3	+102	+6.2	-3.9	-3.6	+2.6	+0.9	+0.31	+0.47	+4	+113	+114	+120	+111
KAKAHU MISSION 1036 NZE1036	-1.3	+1.4	-0.7	+4.7	+48	+88	+121	+102	+19	+2.0	-5.3	+64	+11.5	-0.3	-0.6	+1.8	+2.0	+0.32	+0.70	-1	+139	+121	+152	+133
KO DYNAMITE F80 NZCF80	-1.4	-0.6	-7.1	+4.7	+44	+79	+95	+87	+2	+1.5	-3.8	+67	+3.6	+0.2	+0.4	-1.2	+3.7	+0.42	+0.38	+0	+107	+104	+123	+100
Average EBVs for 2014 born calves	-0.1	+0.0	-3.5	+4.3	+41	+75	+98	+87	+14	+1.6	-3.6	+54	+4.4	+0.0	+0.0	+0.2	+1.5	+0.08	+0.15	+4	+102	+100	+103	+101



May 2016 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 3

Estimated Breeding Values and Accuracies (%)

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	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
LANDFALL FORCE F3 TFAF3	+0.8	-0.3	-9.9	+4.9	+50	+92	+124	+115	+14	+1.6	-3.0	+60	+8.9	+1.4	+0.1	+2.1	+0.2	-0.07	+0.22	+6	+120	+115	+114	+124
LAWSON'S GENERAL G1730 VLYG1730	-19.3	-7.7	-0.2	+7.4	+52	+88	+113	+120	+15	+1.1	-7.3	+74	+11.4	-3.2	-4.5	+3.7	+0.5	+0.17	+0.33	+1	+77	+78	+78	+74
MERCHISTON INFINITY 774 NZE14738007774	-2.6	-5.4	-2.4	+6.0	+45	+92	+118	+109	+19	+4.0	-4.2	+62	+1.6	-1.3	+0.4	-1.2	+1.5	+0.42	+0.31	+3	+91	+90	+91	+92
MILLAH MURRAH DOC F159 NMMF159	-6.4	-2.1	-5.4	+6.7	+59	+111	+149	+140	+20	+3.1	-5.0	+91	+0.7	+1.5	+1.9	-0.9	+1.3	+0.10	-0.01	+7	+114	+101	+116	+114
MILLAH MURRAH HIGHLANDER G18 NMMG18	-0.3	+0.1	-3.9	+4.1	+47	+81	+105	+96	+15	+3.2	-2.4	+66	+8.9	-0.2	+0.0	+1.6	+0.7	+0.14	+0.10	+3	+101	+105	+92	+106
MILWILLAH ELSOM F189 NJWF189	+0.7	+0.1	-4.7	+4.9	+49	+95	+127	+117	+26	+2.8	-1.6	+88	+6.2	-3.9	-4.8	+2.5	+1.0	-0.31	-0.71	+9	+112	+111	+118	+112
MORDALLUP TIMELINE F195 WGMF195	-10.1	-2.9	+1.2	+8.5	+48	+78	+106	+106	+4	+2.2	-3.0	+56	+3.4	-1.4	-0.8	+1.5	-0.1	+0.03	-0.17	+10	+67	+75	+52	+75
MURRAY EL GRANDO G20 NURG20	-4.1	+1.8	-6.4	+6.9	+65	+111	+154	+151	+17	+5.3	-5.8	+99	+11.5	-3.4	-4.1	+3.3	+3.1	-0.47	-0.46	+0	+170	+140	+207	+152
NGAPUTAHU E38 NZE21095009E38	-2.4	-1.7	-2.7	+7.1	+45	+77	+95	+94	+9	+2.3	-2.3	+52	+1.3	-1.1	+0.5	-1.1	+2.8	-0.10	-0.19	-14	+84	+89	+89	+82
PATHFINDER EQUATOR F195 SMPF195	-1.9	-0.6	-6.9	+5.5	+50	+86	+119	+127	+18	+2.0	-0.1	+78	+8.2	-3.5	-4.7	+3.0	+1.2	-0.13	-0.02	+15	+101	+103	+106	+102
RED OAK ZULU 285 NZE10285	-3.1	-2.2	-0.4	+4.9	+25	+48	+56	+39	+2	-0.5	+0.8	+10	-0.1	+1.9	+1.6	-1.4	-0.1	+0.14	+0.34	-5	+20	+53	-16	+40
RENNYLEA AMBASSADOR F857 NORF857	-5.1	-0.8	-3.4	+5.7	+44	+89	+118	+113	+16	+1.7	-7.1	+81	+3.3	+3.6	+3.8	-2.9	+5.1	+0.57	+1.02	+11	+133	+104	+167	+116
RENNYLEA BLACK GOLD F340 NORF340	+0.9	+0.2	-5.6	+1.5	+38	+76	+96	+69	+16	+0.8	-3.6	+36	+5.7	+0.1	+0.4	-1.3	+3.1	+0.06	-0.14	-3	+107	+102	+115	+104
RENNYLEA F266 NORF266	+2.5	+0.6	-5.9	-0.4	+41	+75	+102	+68	+30	+1.0	-3.6	+48	+7.7	+0.4	-0.2	-1.2	+2.4	+0.33	+0.35	-6	+102	+96	+101	+103
S A V CAMARO 9272 USA16396573	+3.0	+1.8	-8.1	+4.0	+44	+73	+88	+73	+13	+2.5	-8.6	+41	+0.5	+1.4	+0.1	+0.3	+1.5	+0.35	+1.29	-2	+107	+108	+107	+103
TOPBOS AMBASSADOR F4 DBLF4	-1.9	-6.0	+0.2	+4.3	+48	+96	+124	+93	+27	+2.4	-2.9	+75	+5.2	-2.6	-3.4	+0.1	+4.7	+0.25	+0.15	-26	+130	+114	+164	+115
TURIHAUA REX E297 NZE17691009E297	+1.1	-3.1	-5.0	+4.2	+28	+54	+74	+66	+10	+0.7	+1.2	+20	+2.1	+1.3	+0.2	+0.8	-0.6	-0.28	-0.36	+7	+44	+68	+15	+62
WAITARA PIO FEDERAL F73 BSCF73	+5.0	+2.8	-4.4	+1.9	+55	+99	+129	+95	+25	+2.2	-4.3	+80	+5.5	+0.9	-0.8	+0.0	+1.7	+0.11	+0.08	+12	+127	+119	+129	+127
WAITAWHETA B11 NZE11	+2.7	-1.7	-4.0	+1.9	+22	+55	+67	+40	+11	+0.8	-2.9	+23	-3.4	+2.2	+1.2	-1.6	-0.1	+0.03	+0.51	+7	+46	+68	+18	+60
Average EBVs for 2014 born calves	-0.1	+0.0	-3.5	+4.3	+41	+75	+98	+87	+14	+1.6	-3.6	+54	+4.4	+0.0	+0.0	+0.2	+1.5	+0.08	+0.15	+4	+102	+100	+103	+101



UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE

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

For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes listed in section 1 of the report be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. 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 Angus population.

Interpreting the ASBP Progeny Performance Listing

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ABBOTT PERFORMER E32	ESTE32	17	467.8	1
ABERDEEN ESTATE EXCITE E21	AHWE21	7	444.1	19
ANVIL ENFORCER E183	HBUE183	14	452.8	7
ARDROSSAN EXACT E162	NAQE162	12	449.5	11
ARDROSSAN FAIRFAX F21	NAQF21	9	437.8	28
AYRVALE BARTEL E7	HIOE7	17	455.0	5
BALMORAH HIGH...	...	3	...	13

Number of progeny = 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 ASBP. 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 sire name for the specified cohort.

The date the progeny performance values were produced is listed in the bottom left hand margin of the report. The reports will be regularly updated as further ASBP data is recorded and analysed.

Progeny Performance Traits and Interpretation

Separate sections for the following traits are included in the ASBP Progeny Performance listing:

Birth Weight: Weight of birth in kilograms recorded on both steer and heifer progeny. Sires are ranked in ascending order with lower values indicating lighter birth weight.

Gestation Length: Length of gestation in days recorded on both steer and heifer progeny. Sires are ranked in ascending order with lower values indicating shorter gestation length.



200 Day Weight: Weight at 200 days (i.e. weaning weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

400 Day Weight: Weight at 400 days (i.e. yearling weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

600 Day Weight: Weight at 600 days (i.e. 18 month weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

Days to Calving: Length of days from bull introduction (i.e. bull in date) to calving. This is recorded on the heifer progeny for their first joining as yearlings. Sires are ranked in ascending order with lower values indicating shorter days to calving and improved female reproduction.

Scan Eye Muscle Area (EMA): Eye muscle area in cm² from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating larger eye muscle area.

Scan Rib Fat: Rib fat in mm from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more fat over the ribs.

Scan Rump Fat: Rump (i.e. P8) fat in mm from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more fat over the rump.

Scan Intramuscular Fat (IMF): Percentage of Intramuscular fat from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more intramuscular fat.

Carcase Weight: Weight of the hot standard carcass in kilograms at a standard 750 days of age recorded on steer progeny. Sires are ranked in descending order with higher values indicating more carcass weight.

Carcass Eye Muscle Area (EMA): Eye muscle area in cm² in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating larger eye muscle area.

Carcass Intramuscular Fat (IMF): Percentage of Intramuscular fat (ether extracted at the UNE meat science laboratory) in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating more intramuscular fat.

Net Feed Intake (NFI): Feed intake at a standard weight and rate of weight gain recorded on steer progeny at Tullimba Research Feedlot. NFI is expressed as kilograms of feed intake per day. Sires are ranked in ascending order with lower values indicating better feed efficiency through less feed intake for a standard weight and rate of gain.

Meat Standards Australia (MSA) Marbling Score: Marbling score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny. Sires are ranked in descending order with higher values indicating more marbling in the carcass.

Meat Standards Australia (MSA) Ossification: Ossification score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny. Sires are ranked in ascending order with lower values indicating younger physiological maturity.

Meat Standards Australia (MSA) Index: The MSA Index is an indication of the overall eating quality of beef from the carcass as influenced by a range of factors such as marbling score and ossification. It is generated for steer progeny from the ASBP based on MSA grading data in the chiller. Sires are ranked in ascending order with higher values indicating higher eating quality.

Shear Force: Shear Force is a measurement in the kilograms of the force required to pull a mechanical blade through a piece of cooked beef from the striploin sample of the ASBP steer progeny. It is measured through the UNE meat science laboratory. Sires are ranked in ascending order with lower values indicating less shear force and more tender beef.



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Birth Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	25	34.1	1
ALLOURA GET UP-AND-GO G19	DGJG19	26	37.0	15
ALPINE EXTRA SPECIAL E9	CGKE9	24	37.1	18
ARDCAIRNIE F96	WJMF96	20	36.2	7
BALD BLAIR NEW DESIGN G117	NBBG117	18	36.3	9
BLACKROCK F3	WMYF3	29	36.5	10
BOOROOMOOKA FRANKEL F510	NGMF510	22	40.3	39
BULLIAC FORWARD LEAP F24	QPDF24	14	35.1	4
CHERYLTON INFINITY G60	WLHG60	19	34.8	3
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	31	39.1	33
CLUNIE RANGE FIRST CLASS F526	NBHF526	21	39.8	37
EXAR CONCISE 1304B	USA16873429	24	39.7	36
GILMANDYKE FOREMAN F0066	EUDF0066	26	38.2	27
GLENISA AXLE A020	QBVA020	22	38.2	27
GLENTANNER KODIAK G10	SJVG10	28	37.5	21
GRANITE RIDGE FOR-PROFIT F148	SJKF148	26	36.8	13
HAZELDEAN F1023	NHZF1023	24	38.0	25
HAZELDEAN F493	NHZF493	29	38.1	26
J & C EVIDENCE E11	BCHE11	20	40.2	38
KAKAHU MISSION 1036	NZE1036	21	38.3	29
KO DYNAMITE F80	NZCF80	21	36.9	14
LANDFALL FORCE F3	TFAF3	25	37.1	18
LAWSONS GENERAL G1730	VLYG1730	29	39.4	35
MERCHISTON INFINITY 774	NZE14738007774	23	38.7	30
MILLAH MURRAH DOC F159	NMMF159	16	38.8	32
MILLAH MURRAH HIGHLANDER G18	NMMG18	19	37.0	15
MILWILLAH ELSOM F189	NJWF189	32	37.5	21
MORDALLUP TIMELINE F195	WGMF195	23	39.1	33
MURRAY EL GRANDO G20	NURG20	24	37.6	23
NGAPUTAH I E38	NZE21095009E38	14	41.3	40
PATHFINDER EQUATOR F195	SMPF195	18	38.7	30
RED OAK ZULU 285	NZE10285	20	37.7	24
RENNYLEA AMBASSADOR F857	NORF857	30	37.0	15
RENNYLEA BLACK GOLD F340	NORF340	25	34.3	2
RENNYLEA F266	NORF266	31	35.5	5
S A V CAMARO 9272	USA16396573	28	36.0	6
TOPBOS AMBASSADOR F4	DBLF4	27	37.3	20
TURIHAUA REX E297	NZE17691009E297	31	36.7	12



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Birth Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	37	36.5	10
WAITAWHETA B11	NZEB11	28	36.2	7



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Gestation Length (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	12	282.8	23
ALLOURA GET UP-AND-GO G19	DGJG19	18	283.0	24
ALPINE EXTRA SPECIAL E9	CGKE9	14	279.1	4
ARDCAIRNIE F96	WJMF96	12	281.7	17
BALD BLAIR NEW DESIGN G117	NBBG117	18	282.1	20
BLACKROCK F3	WMYF3	16	279.0	3
BOOROOMOOKA FRANKEL F510	NGMF510	12	281.3	14
BULLIAC FORWARD LEAP F24	QPDF24	8	278.4	1
CHERYLTON INFINITY G60	WLHG60	10	283.4	26
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	20	286.7	39
CLUNIE RANGE FIRST CLASS F526	NBHF526	16	281.8	19
EXAR CONCISE 1304B	USA16873429	14	286.1	36
GILMANDYKE FOREMAN F0066	EUDF0066	20	280.1	5
GLENISA AXLE A020	QBVA020	18	284.1	33
GLENTANNER KODIAK G10	SJVG10	20	283.7	29
GRANITE RIDGE FOR-PROFIT F148	SJKF148	16	280.5	7
HAZELDEAN F1023	NHZF1023	14	283.6	27
HAZELDEAN F493	NHZF493	18	281.6	15
J & C EVIDENCE E11	BCHE11	12	280.6	8
KAKAHU MISSION 1036	NZE1036	14	286.2	37
KO DYNAMITE F80	NZCF80	17	280.4	6
LANDFALL FORCE F3	TFAF3	16	280.6	8
LAWSONS GENERAL G1730	VLYG1730	23	283.9	30
MERCHISTON INFINITY 774	NZE14738007774	16	284.4	34
MILLAH MURRAH DOC F159	NMMF159	18	283.2	25
MILLAH MURRAH HIGHLANDER G18	NMMG18	17	283.9	30
MILWILLAH ELSOM F189	NJWF189	18	282.3	22
MORDALLUP TIMELINE F195	WGMF195	12	286.3	38
MURRAY EL GRANDO G20	NURG20	12	280.9	10
NGAPUTAH I E38	NZE21095009E38	32	283.6	27
PATHFINDER EQUATOR F195	SMPF195	14	280.9	10
RED OAK ZULU 285	NZE10285	17	285.5	35
RENNYLEA AMBASSADOR F857	NORF857	23	281.0	12
RENNYLEA BLACK GOLD F340	NORF340	18	281.7	17
RENNYLEA F266	NORF266	19	281.6	15
S A V CAMARO 9272	USA16396573	16	278.9	2
TOPBOS AMBASSADOR F4	DBLF4	17	287.0	40
TURIHAUA REX E297	NZE17691009E297	15	281.2	13



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Gestation Length (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	25	283.9	30
WAITAWHETA B11	NZEB11	18	282.1	20



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - 200 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	25	192.1	35
ALLOURA GET UP-AND-GO G19	DGJG19	23	202.7	17
ALPINE EXTRA SPECIAL E9	CGKE9	27	190.7	39
ARDCAIRNIE F96	WJMF96	23	198.9	21
BALD BLAIR NEW DESIGN G117	NBBG117	25	197.0	29
BLACKROCK F3	WMYF3	27	204.3	11
BOOROOMOOKA FRANKEL F510	NGMF510	22	200.3	20
BULLIAC FORWARD LEAP F24	QPDF24	17	194.2	33
CHERYLTON INFINITY G60	WLHG60	25	201.6	19
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	32	187.6	40
CLUNIE RANGE FIRST CLASS F526	NBHF526	27	204.1	13
EXAR CONCISE 1304B	USA16873429	29	205.0	9
GILMANDYKE FOREMAN F0066	EUDF0066	33	197.8	25
GLENISA AXLE A020	QBVA020	29	190.8	38
GLENTANNER KODIAK G10	SJVG10	33	196.1	31
GRANITE RIDGE FOR-PROFIT F148	SJKF148	31	205.9	6
HAZELDEAN F1023	NHZF1023	30	204.2	12
HAZELDEAN F493	NHZF493	33	207.7	3
J & C EVIDENCE E11	BCHE11	24	204.4	10
KAKAHU MISSION 1036	NZE1036	27	203.4	15
KO DYNAMITE F80	NZCF80	27	198.5	23
LANDFALL FORCE F3	TFAF3	30	196.6	30
LAWSONS GENERAL G1730	VLYG1730	36	206.2	5
MERCHISTON INFINITY 774	NZE14738007774	29	207.5	4
MILLAH MURRAH DOC F159	NMMF159	22	205.9	6
MILLAH MURRAH HIGHLANDER G18	NMMG18	30	201.9	18
MILWILLAH ELSOM F189	NJWF189	35	197.3	27
MORDALLUP TIMELINE F195	WGMF195	28	205.2	8
MURRAY EL GRANDO G20	NURG20	24	208.3	2
NGAPUTAHU E38	NZE21095009E38	38	203.5	14
PATHFINDER EQUATOR F195	SMPF195	24	202.9	16
RED OAK ZULU 285	NZE10285	27	191.5	37
RENNYLEA AMBASSADOR F857	NORF857	37	198.7	22
RENNYLEA BLACK GOLD F340	NORF340	33	195.8	32
RENNYLEA F266	NORF266	36	198.0	24
S A V CAMARO 9272	USA16396573	31	197.3	27
TOPBOS AMBASSADOR F4	DBLF4	30	197.4	26
TURIHAUA REX E297	NZE17691009E297	33	194.1	34



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - 200 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	44	209.6	1
WAITAWHETA B11	NZEB11	34	191.8	36



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - 400 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	12	359.3	40
ALLOURA GET UP-AND-GO G19	DGJG19	5	396.7	13
ALPINE EXTRA SPECIAL E9	CGKE9	12	370.2	37
ARDCAIRNIE F96	WJMF96	11	390.3	18
BALD BLAIR NEW DESIGN G117	NBBG117	9	397.5	11
BLACKROCK F3	WMYF3	14	388.2	22
BOOROOMOOKA FRANKEL F510	NGMF510	13	405.9	3
BULLIAC FORWARD LEAP F24	QPDF24	8	386.9	23
CHERYLTON INFINITY G60	WLHG60	6	382.3	29
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	17	360.7	39
CLUNIE RANGE FIRST CLASS F526	NBHF526	15	402.7	8
EXAR CONCISE 1304B	USA16873429	16	388.8	20
GILMANDYKE FOREMAN F0066	EUDF0066	16	384.0	26
GLENISA AXLE A020	QBVA020	13	388.4	21
GLENTANNER KODIAK G10	SJVG10	21	382.9	28
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	407.6	1
HAZELDEAN F1023	NHZF1023	17	390.7	17
HAZELDEAN F493	NHZF493	14	407.4	2
J & C EVIDENCE E11	BCHE11	10	404.9	6
KAKAHU MISSION 1036	NZE1036	10	381.0	32
KO DYNAMITE F80	NZCF80	8	384.3	25
LANDFALL FORCE F3	TFAF3	12	397.9	10
LAWSONS GENERAL G1730	VLYG1730	16	400.3	9
MERCHISTON INFINITY 774	NZE14738007774	13	393.9	14
MILLAH MURRAH DOC F159	NMMF159	12	385.8	24
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	382.3	29
MILWILLAH ELSOM F189	NJWF189	17	397.1	12
MORDALLUP TIMELINE F195	WGMF195	13	393.5	16
MURRAY EL GRANDO G20	NURG20	13	405.8	4
NGAPUTAHU E38	NZE21095009E38	10	402.9	7
PATHFINDER EQUATOR F195	SMPF195	14	383.8	27
RED OAK ZULU 285	NZE10285	9	375.0	35
RENNYLEA AMBASSADOR F857	NORF857	14	370.3	36
RENNYLEA BLACK GOLD F340	NORF340	19	389.8	19
RENNYLEA F266	NORF266	13	380.1	33
S A V CAMARO 9272	USA16396573	15	381.7	31
TOPBOS AMBASSADOR F4	DBLF4	15	393.7	15
TURIHAUA REX E297	NZE17691009E297	12	365.2	38



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - 400 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	20	405.3	5
WAITAWHETA B11	NZEB11	16	379.4	34



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - 600 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	11	512.9	36
ALLOURA GET UP-AND-GO G19	DGJG19	14	537.3	21
ALPINE EXTRA SPECIAL E9	CGKE9	14	515.0	34
ARDCAIRNIE F96	WJMF96	12	551.2	10
BALD BLAIR NEW DESIGN G117	NBBG117	13	544.0	12
BLACKROCK F3	WMYF3	13	555.2	8
BOOROOMOOKA FRANKEL F510	NGMF510	10	555.5	7
BULLIAC FORWARD LEAP F24	QPDF24	12	510.5	38
CHERYLTON INFINITY G60	WLHG60	18	531.1	25
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	18	515.4	33
CLUNIE RANGE FIRST CLASS F526	NBHF526	13	565.9	1
EXAR CONCISE 1304B	USA16873429	15	533.4	23
GILMANDYKE FOREMAN F0066	EUDF0066	22	561.4	2
GLENISA AXLE A020	QBVA020	21	526.0	30
GLENTANNER KODIAK G10	SJVG10	19	521.6	31
GRANITE RIDGE FOR-PROFIT F148	SJKF148	17	550.6	11
HAZELDEAN F1023	NHZF1023	18	542.4	15
HAZELDEAN F493	NHZF493	20	558.7	4
J & C EVIDENCE E11	BCHE11	15	530.6	26
KAKAHU MISSION 1036	NZE1036	18	558.3	5
KO DYNAMITE F80	NZCF80	18	530.2	28
LANDFALL FORCE F3	TFAF3	17	539.3	19
LAWSONS GENERAL G1730	VLYG1730	23	535.4	22
MERCHISTON INFINITY 774	NZE14738007774	19	540.1	18
MILLAH MURRAH DOC F159	NMMF159	9	542.1	16
MILLAH MURRAH HIGHLANDER G18	NMMG18	20	543.0	14
MILWILLAH ELSOM F189	NJWF189	22	551.3	9
MORDALLUP TIMELINE F195	WGMF195	18	538.5	20
MURRAY EL GRANDO G20	NURG20	14	560.7	3
NGAPUTAHU E38	NZE21095009E38	27	529.2	29
PATHFINDER EQUATOR F195	SMPF195	9	543.2	13
RED OAK ZULU 285	NZE10285	20	515.0	34
RENNYLEA AMBASSADOR F857	NORF857	22	540.7	17
RENNYLEA BLACK GOLD F340	NORF340	20	521.5	32
RENNYLEA F266	NORF266	17	530.3	27
S A V CAMARO 9272	USA16396573	20	507.9	39
TOPBOS AMBASSADOR F4	DBLF4	12	532.9	24
TURIHAUA REX E297	NZE17691009E297	26	511.1	37



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - 600 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	17	557.5	6
WAITAWHETA B11	NZEB11	23	507.2	40



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Days to Calving (heifers) (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	10	300.7	16
ALLOURA GET UP-AND-GO G19	DGJG19	6	290.1	1
ALPINE EXTRA SPECIAL E9	CGKE9	6	316.6	40
ARDCAIRNIE F96	WJMF96	8	310.5	37
BALD BLAIR NEW DESIGN G117	NBBG117	8	302.1	22
BLACKROCK F3	WMYF3	8	301.5	19
BOOROOMOOKA FRANKEL F510	NGMF510	7	304.1	26
BULLIAC FORWARD LEAP F24	QPDF24	2	297.7	9
CHERYLTON INFINITY G60	WLHG60	6	292.4	3
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	12	309.9	36
CLUNIE RANGE FIRST CLASS F526	NBHF526	9	300.4	15
EXAR CONCISE 1304B	USA16873429	6	308.4	34
GILMANDYKE FOREMAN F0066	EUDF0066	10	301.9	20
GLENISA AXLE A020	QBVA020	7	296.8	7
GLENTANNER KODIAK G10	SJVG10	13	309.4	35
GRANITE RIDGE FOR-PROFIT F148	SJKF148	8	308.2	33
HAZELDEAN F1023	NHZF1023	9	302.8	24
HAZELDEAN F493	NHZF493	13	299.2	11
J & C EVIDENCE E11	BCHE11	6	313.0	38
KAKAHU MISSION 1036	NZE1036	10	304.9	28
KO DYNAMITE F80	NZCF80	3	294.1	5
LANDFALL FORCE F3	TFAF3	11	301.4	18
LAWSONS GENERAL G1730	VLYG1730	13	297.5	8
MERCHISTON INFINITY 774	NZE14738007774	5	293.1	4
MILLAH MURRAH DOC F159	NMMF159	9	300.0	12
MILLAH MURRAH HIGHLANDER G18	NMMG18	8	307.5	32
MILWILLAH ELSOM F189	NJWF189	10	302.0	21
MORDALLUP TIMELINE F195	WGMF195	7	300.3	14
MURRAY EL GRANDO G20	NURG20	7	301.1	17
NGAPUTAH I E38	NZE21095009E38	7	305.8	31
PATHFINDER EQUATOR F195	SMPF195	9	305.6	30
RED OAK ZULU 285	NZE10285	6	298.6	10
RENNYLEA AMBASSADOR F857	NORF857	8	303.9	25
RENNYLEA BLACK GOLD F340	NORF340	11	314.3	39
RENNYLEA F266	NORF266	8	300.0	12
S A V CAMARO 9272	USA16396573	6	290.6	2
TOPBOS AMBASSADOR F4	DBLF4	14	302.3	23
TURIHAUA REX E297	NZE17691009E297	7	304.8	27



Angus Sire Benchmarking Project - Progeny Performance
Cohort: 3 - Days to Calving (heifers) (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	305.2	29
WAITAWHETA B11	NZEB11	12	295.7	6



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Scan EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	22	66.0	15
ALLOURA GET UP-AND-GO G19	DGJG19	19	64.9	26
ALPINE EXTRA SPECIAL E9	CGKE9	23	62.4	39
ARDCAIRNIE F96	WJMF96	22	69.0	2
BALD BLAIR NEW DESIGN G117	NBBG117	21	67.0	11
BLACKROCK F3	WMYF3	25	67.2	9
BOOROOMOOKA FRANKEL F510	NGMF510	18	65.8	16
BULLIAC FORWARD LEAP F24	QPDF24	17	62.9	38
CHERYLTON INFINITY G60	WLHG60	24	65.3	23
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	29	64.0	31
CLUNIE RANGE FIRST CLASS F526	NBHF526	24	67.7	6
EXAR CONCISE 1304B	USA16873429	23	68.4	3
GILMANDYKE FOREMAN F0066	EUDF0066	30	64.9	26
GLENISA AXLE A020	QBVA020	27	65.6	19
GLENTANNER KODIAK G10	SJVG10	32	61.2	40
GRANITE RIDGE FOR-PROFIT F148	SJKF148	30	65.8	16
HAZELDEAN F1023	NHZF1023	28	68.0	5
HAZELDEAN F493	NHZF493	32	68.1	4
J & C EVIDENCE E11	BCHE11	21	66.8	12
KAKAHU MISSION 1036	NZE1036	26	67.7	6
KO DYNAMITE F80	NZCF80	26	63.9	32
LANDFALL FORCE F3	TFAF3	25	65.0	25
LAWSONS GENERAL G1730	VLYG1730	32	67.1	10
MERCHISTON INFINITY 774	NZE14738007774	26	65.5	20
MILLAH MURRAH DOC F159	NMMF159	18	65.4	22
MILLAH MURRAH HIGHLANDER G18	NMMG18	26	67.3	8
MILWILLAH ELSOM F189	NJWF189	33	66.7	13
MORDALLUP TIMELINE F195	WGMF195	25	64.6	28
MURRAY EL GRANDO G20	NURG20	22	69.3	1
NGAPUTAHU E38	NZE21095009E38	36	65.1	24
PATHFINDER EQUATOR F195	SMPF195	23	65.5	20
RED OAK ZULU 285	NZE10285	26	63.4	37
RENNYLEA AMBASSADOR F857	NORF857	32	64.6	28
RENNYLEA BLACK GOLD F340	NORF340	32	64.4	30
RENNYLEA F266	NORF266	28	63.8	34
S A V CAMARO 9272	USA16396573	28	63.5	36
TOPBOS AMBASSADOR F4	DBLF4	28	65.7	18
TURIHAUA REX E297	NZE17691009E297	29	63.8	34



Angus Sire Benchmarking Project - Progeny Performance
Cohort: 3 - Scan EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	33	66.2	14
WAITAWHETA B11	NZEB11	31	63.9	32



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Scan Rib Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	19	8.5	1
ALLOURA GET UP-AND-GO G19	DGJG19	18	7.8	8
ALPINE EXTRA SPECIAL E9	CGKE9	21	5.8	40
ARDCAIRNIE F96	WJMF96	21	7.7	10
BALD BLAIR NEW DESIGN G117	NBBG117	22	7.4	18
BLACKROCK F3	WMYF3	24	7.6	14
BOOROOMOOKA FRANKEL F510	NGMF510	18	7.3	20
BULLIAC FORWARD LEAP F24	QPDF24	15	6.4	36
CHERYLTON INFINITY G60	WLHG60	22	6.5	35
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	27	7.4	18
CLUNIE RANGE FIRST CLASS F526	NBHF526	22	8.0	7
EXAR CONCISE 1304B	USA16873429	21	6.6	31
GILMANDYKE FOREMAN F0066	EUDF0066	28	6.4	36
GLENISA AXLE A020	QBVA020	22	7.2	22
GLENTANNER KODIAK G10	SJVG10	29	6.4	36
GRANITE RIDGE FOR-PROFIT F148	SJKF148	25	8.4	2
HAZELDEAN F1023	NHZF1023	24	8.4	2
HAZELDEAN F493	NHZF493	30	7.7	10
J & C EVIDENCE E11	BCHE11	19	6.6	31
KAKAHU MISSION 1036	NZE1036	23	7.2	22
KO DYNAMITE F80	NZCF80	23	6.8	28
LANDFALL FORCE F3	TFAF3	23	7.8	8
LAWSONS GENERAL G1730	VLYG1730	30	6.6	31
MERCHISTON INFINITY 774	NZE14738007774	23	7.1	25
MILLAH MURRAH DOC F159	NMMF159	17	8.1	5
MILLAH MURRAH HIGHLANDER G18	NMMG18	23	7.5	16
MILWILLAH ELSOM F189	NJWF189	28	6.6	31
MORDALLUP TIMELINE F195	WGMF195	22	6.8	28
MURRAY EL GRANDO G20	NURG20	20	7.1	25
NGAPUTAH I E38	NZE21095009E38	32	7.0	27
PATHFINDER EQUATOR F195	SMPF195	21	5.9	39
RED OAK ZULU 285	NZE10285	23	7.3	20
RENNYLEA AMBASSADOR F857	NORF857	27	8.3	4
RENNYLEA BLACK GOLD F340	NORF340	28	7.6	14
RENNYLEA F266	NORF266	25	7.7	10
S A V CAMARO 9272	USA16396573	26	7.5	16
TOPBOS AMBASSADOR F4	DBLF4	26	6.8	28
TURIHAUA REX E297	NZE17691009E297	24	7.2	22



Angus Sire Benchmarking Project - Progeny Performance Cohort: 3 - Scan Rib Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	33	7.7	10
WAITAWHETA B11	NZEB11	26	8.1	5



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Scan Rump Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	20	10.8	1
ALLOURA GET UP-AND-GO G19	DGJG19	18	10.0	14
ALPINE EXTRA SPECIAL E9	CGKE9	21	7.7	39
ARDCAIRNIE F96	WJMF96	22	10.1	11
BALD BLAIR NEW DESIGN G117	NBBG117	22	9.3	28
BLACKROCK F3	WMYF3	23	10.3	8
BOOROOMOOKA FRANKEL F510	NGMF510	18	10.1	11
BULLIAC FORWARD LEAP F24	QPDF24	15	9.2	30
CHERYLTON INFINITY G60	WLHG60	22	9.6	24
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	27	10.6	2
CLUNIE RANGE FIRST CLASS F526	NBHF526	22	10.0	14
EXAR CONCISE 1304B	USA16873429	21	8.4	35
GILMANDYKE FOREMAN F0066	EUDF0066	27	8.5	34
GLENISA AXLE A020	QBVA020	22	9.7	22
GLENTANNER KODIAK G10	SJVG10	29	9.5	26
GRANITE RIDGE FOR-PROFIT F148	SJKF148	25	9.9	16
HAZELDEAN F1023	NHZF1023	23	10.2	10
HAZELDEAN F493	NHZF493	29	10.6	2
J & C EVIDENCE E11	BCHE11	19	9.1	31
KAKAHU MISSION 1036	NZE1036	23	9.5	26
KO DYNAMITE F80	NZCF80	23	9.6	24
LANDFALL FORCE F3	TFAF3	23	9.3	28
LAWSONS GENERAL G1730	VLYG1730	31	8.3	37
MERCHISTON INFINITY 774	NZE14738007774	23	10.6	2
MILLAH MURRAH DOC F159	NMMF159	17	10.3	8
MILLAH MURRAH HIGHLANDER G18	NMMG18	23	10.5	6
MILWILLAH ELSOM F189	NJWF189	28	8.3	37
MORDALLUP TIMELINE F195	WGMF195	22	9.9	16
MURRAY EL GRANDO G20	NURG20	19	9.1	31
NGAPUTAHU E38	NZE21095009E38	33	9.1	31
PATHFINDER EQUATOR F195	SMPF195	21	7.3	40
RED OAK ZULU 285	NZE10285	23	10.5	6
RENNYLEA AMBASSADOR F857	NORF857	27	9.8	19
RENNYLEA BLACK GOLD F340	NORF340	28	10.1	11
RENNYLEA F266	NORF266	25	10.6	2
S A V CAMARO 9272	USA16396573	26	8.4	35
TOPBOS AMBASSADOR F4	DBLF4	26	9.8	19
TURHAUA REX E297	NZE17691009E297	25	9.7	22



Angus Sire Benchmarking Project - Progeny Performance Cohort: 3 - Scan Rump Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	31	9.8	19
WAITAWHETA B11	NZEB11	27	9.9	16



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Scan IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	22	6.4	1
ALLOURA GET UP-AND-GO G19	DGJG19	19	5.4	24
ALPINE EXTRA SPECIAL E9	CGKE9	23	4.9	40
ARDCAIRNIE F96	WJMF96	22	5.6	12
BALD BLAIR NEW DESIGN G117	NBBG117	21	5.0	39
BLACKROCK F3	WMYF3	25	5.7	10
BOOROOMOOKA FRANKEL F510	NGMF510	18	5.4	24
BULLIAC FORWARD LEAP F24	QPDF24	17	5.3	32
CHERYLTON INFINITY G60	WLHG60	24	5.7	10
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	29	5.4	24
CLUNIE RANGE FIRST CLASS F526	NBHF526	24	5.6	12
EXAR CONCISE 1304B	USA16873429	23	5.9	6
GILMANDYKE FOREMAN F0066	EUDF0066	30	5.5	20
GLENISA AXLE A020	QBVA020	27	5.3	32
GLENTANNER KODIAK G10	SJVG10	32	5.3	32
GRANITE RIDGE FOR-PROFIT F148	SJKF148	30	5.8	9
HAZELDEAN F1023	NHZF1023	28	6.1	2
HAZELDEAN F493	NHZF493	32	6.0	4
J & C EVIDENCE E11	BCHE11	21	5.2	38
KAKAHU MISSION 1036	NZE1036	26	5.6	12
KO DYNAMITE F80	NZCF80	26	5.6	12
LANDFALL FORCE F3	TFAF3	25	5.5	20
LAWSONS GENERAL G1730	VLYG1730	31	5.3	32
MERCHISTON INFINITY 774	NZE14738007774	26	5.5	20
MILLAH MURRAH DOC F159	NMMF159	18	5.4	24
MILLAH MURRAH HIGHLANDER G18	NMMG18	26	5.6	12
MILWILLAH ELSOM F189	NJWF189	33	5.4	24
MORDALLUP TIMELINE F195	WGMF195	25	5.6	12
MURRAY EL GRANDO G20	NURG20	22	6.0	4
NGAPUTAHU E38	NZE21095009E38	36	5.5	20
PATHFINDER EQUATOR F195	SMPF195	23	5.4	24
RED OAK ZULU 285	NZE10285	26	5.4	24
RENNYLEA AMBASSADOR F857	NORF857	32	5.9	6
RENNYLEA BLACK GOLD F340	NORF340	31	5.9	6
RENNYLEA F266	NORF266	28	5.6	12
S A V CAMARO 9272	USA16396573	28	5.3	32
TOPBOS AMBASSADOR F4	DBLF4	28	6.1	2
TURIHAUA REX E297	NZE17691009E297	29	5.4	24



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Scan IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	34	5.6	12
WAITAWHETA B11	NZEB11	31	5.3	32



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Carcase Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	426.6	36
ALLOURA GET UP-AND-GO G19	DGJG19	9	432.3	31
ALPINE EXTRA SPECIAL E9	CGKE9	11	434.6	30
ARDCAIRNIE F96	WJMF96	8	465.0	11
BALD BLAIR NEW DESIGN G117	NBBG117	10	453.4	19
BLACKROCK F3	WMYF3	10	479.1	2
BOOROOMOOKA FRANKEL F510	NGMF510	8	444.3	26
BULLIAC FORWARD LEAP F24	QPDF24	10	430.2	35
CHERYLTON INFINITY G60	WLHG60	12	449.9	23
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	432.1	32
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	486.8	1
EXAR CONCISE 1304B	USA16873429	14	446.7	25
GILMANDYKE FOREMAN F0066	EUDF0066	16	451.6	22
GLENISA AXLE A020	QBVA020	19	452.4	21
GLENTANNER KODIAK G10	SJVG10	16	430.9	33
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	473.0	7
HAZELDEAN F1023	NHZF1023	17	462.3	13
HAZELDEAN F493	NHZF493	13	454.5	18
J & C EVIDENCE E11	BCHE11	11	476.3	3
KAKAHU MISSION 1036	NZE1036	10	468.9	9
KO DYNAMITE F80	NZCF80	17	462.4	12
LANDFALL FORCE F3	TFAF3	11	435.1	29
LAWSONS GENERAL G1730	VLYG1730	17	461.9	14
MERCHISTON INFINITY 774	NZE14738007774	17	452.6	20
MILLAH MURRAH DOC F159	NMMF159	8	474.1	6
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	460.9	15
MILWILLAH ELSOM F189	NJWF189	16	476.1	4
MORDALLUP TIMELINE F195	WGMF195	16	454.8	17
MURRAY EL GRANDO G20	NURG20	11	475.8	5
NGAPUTAH I E38	NZE21095009E38	23	442.4	27
PATHFINDER EQUATOR F195	SMPF195	9	460.5	16
RED OAK ZULU 285	NZE10285	15	425.2	37
RENNYLEA AMBASSADOR F857	NORF857	19	467.2	10
RENNYLEA BLACK GOLD F340	NORF340	18	417.9	40
RENNYLEA F266	NORF266	14	441.2	28
S A V CAMARO 9272	USA16396573	17	423.6	39
TOPBOS AMBASSADOR F4	DBLF4	9	448.5	24
TURIHAUA REX E297	NZE17691009E297	20	430.3	34



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Carcase Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	470.9	8
WAITAWHETA B11	NZEB11	18	424.4	38



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Carcase EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	87.7	20
ALLOURA GET UP-AND-GO G19	DGJG19	9	82.8	38
ALPINE EXTRA SPECIAL E9	CGKE9	11	87.4	24
ARDCAIRNIE F96	WJMF96	8	92.1	7
BALD BLAIR NEW DESIGN G117	NBBG117	10	92.2	6
BLACKROCK F3	WMYF3	10	88.0	18
BOOROOMOOKA FRANKEL F510	NGMF510	8	93.3	5
BULLIAC FORWARD LEAP F24	QPDF24	9	86.8	25
CHERYLTON INFINITY G60	WLHG60	12	89.3	13
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	91.7	10
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	84.1	34
EXAR CONCISE 1304B	USA16873429	14	96.1	1
GILMANDYKE FOREMAN F0066	EUDF0066	16	85.7	30
GLENISA AXLE A020	QBVA020	19	85.6	31
GLENTANNER KODIAK G10	SJVG10	16	80.9	40
GRANITE RIDGE FOR-PROFIT F148	SJKF148	12	86.8	25
HAZELDEAN F1023	NHZF1023	17	88.9	15
HAZELDEAN F493	NHZF493	13	94.0	4
J & C EVIDENCE E11	BCHE11	11	88.8	16
KAKAHU MISSION 1036	NZE1036	10	94.5	3
KO DYNAMITE F80	NZCF80	17	87.7	20
LANDFALL FORCE F3	TFAF3	11	86.7	27
LAWSONS GENERAL G1730	VLYG1730	17	91.5	11
MERCHISTON INFINITY 774	NZE14738007774	17	82.9	37
MILLAH MURRAH DOC F159	NMMF159	8	84.9	33
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	92.0	8
MILWILLAH ELSOM F189	NJWF189	16	87.7	20
MORDALLUP TIMELINE F195	WGMF195	16	86.2	28
MURRAY EL GRANDO G20	NURG20	11	95.9	2
NGAPUTAH I E38	NZE21095009E38	23	85.0	32
PATHFINDER EQUATOR F195	SMPF195	9	90.6	12
RED OAK ZULU 285	NZE10285	15	83.5	35
RENNYLEA AMBASSADOR F857	NORF857	19	88.2	17
RENNYLEA BLACK GOLD F340	NORF340	18	85.9	29
RENNYLEA F266	NORF266	14	87.6	23
S A V CAMARO 9272	USA16396573	17	83.4	36
TOPBOS AMBASSADOR F4	DBLF4	9	92.0	8
TURIHAUA REX E297	NZE17691009E297	20	89.0	14



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Carcase EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	87.8	19
WAITAWHETA B11	NZEB11	18	81.6	39



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Carcase IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	12.0	5
ALLOURA GET UP-AND-GO G19	DGJG19	9	9.2	23
ALPINE EXTRA SPECIAL E9	CGKE9	11	9.4	20
ARDCAIRNIE F96	WJMF96	8	9.2	23
BALD BLAIR NEW DESIGN G117	NBBG117	10	10.8	13
BLACKROCK F3	WMYF3	10	8.4	36
BOOROOMOOKA FRANKEL F510	NGMF510	8	12.0	5
BULLIAC FORWARD LEAP F24	QPDF24	10	7.9	40
CHERYLTON INFINITY G60	WLHG60	12	9.2	23
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	8.9	28
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	8.3	37
EXAR CONCISE 1304B	USA16873429	14	11.3	9
GILMANDYKE FOREMAN F0066	EUDF0066	16	10.4	15
GLENISA AXLE A020	QBVA020	19	9.4	20
GLENTANNER KODIAK G10	SJVG10	16	8.9	28
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	10.0	17
HAZELDEAN F1023	NHZF1023	17	13.8	1
HAZELDEAN F493	NHZF493	13	11.7	7
J & C EVIDENCE E11	BCHE11	11	9.0	27
KAKAHU MISSION 1036	NZE1036	10	10.1	16
KO DYNAMITE F80	NZCF80	17	12.1	4
LANDFALL FORCE F3	TFAF3	11	8.0	39
LAWSONS GENERAL G1730	VLYG1730	17	8.9	28
MERCHISTON INFINITY 774	NZE14738007774	17	9.4	20
MILLAH MURRAH DOC F159	NMMF159	8	9.9	19
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	8.9	28
MILWILLAH ELSOM F189	NJWF189	16	8.9	28
MORDALLUP TIMELINE F195	WGMF195	16	8.5	35
MURRAY EL GRANDO G20	NURG20	11	11.4	8
NGAPUTAHU E38	NZE21095009E38	23	11.2	10
PATHFINDER EQUATOR F195	SMPF195	9	8.6	34
RED OAK ZULU 285	NZE10285	15	9.2	23
RENNYLEA AMBASSADOR F857	NORF857	19	12.6	3
RENNYLEA BLACK GOLD F340	NORF340	18	10.9	12
RENNYLEA F266	NORF266	14	11.1	11
S A V CAMARO 9272	USA16396573	17	10.6	14
TOPBOS AMBASSADOR F4	DBLF4	9	13.3	2
TURIHAUA REX E297	NZE17691009E297	20	8.3	37



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Carcase IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	10.0	17
WAITAWHETA B11	NZEB11	18	8.8	33



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Net Feed Intake (kg/day)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	-3.4	5
ALLOURA GET UP-AND-GO G19	DGJG19	10	-2.4	30
ALPINE EXTRA SPECIAL E9	CGKE9	11	-2.4	30
ARDCAIRNIE F96	WJMF96	8	-3.3	9
BALD BLAIR NEW DESIGN G117	NBBG117	10	-3.4	5
BLACKROCK F3	WMYF3	10	-2.5	27
BOOROOMOOKA FRANKEL F510	NGMF510	8	-3.7	1
BULLIAC FORWARD LEAP F24	QPDF24	11	-2.7	21
CHERYLTON INFINITY G60	WLHG60	12	-1.8	39
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	-3.5	3
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	-2.8	17
EXAR CONCISE 1304B	USA16873429	15	-3.0	12
GILMANDYKE FOREMAN F0066	EUDF0066	18	-3.1	11
GLENISA AXLE A020	QBVA020	20	-2.6	25
GLENTANNER KODIAK G10	SJVG10	15	-3.7	1
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	-3.2	10
HAZELDEAN F1023	NHZF1023	17	-2.0	38
HAZELDEAN F493	NHZF493	13	-2.4	30
J & C EVIDENCE E11	BCHE11	11	-2.1	37
KAKAHU MISSION 1036	NZE1036	12	-2.5	27
KO DYNAMITE F80	NZCF80	17	-2.6	25
LANDFALL FORCE F3	TFAF3	11	-2.9	15
LAWSONS GENERAL G1730	VLYG1730	17	-2.4	30
MERCHISTON INFINITY 774	NZE14738007774	17	-2.7	21
MILLAH MURRAH DOC F159	NMMF159	8	-2.5	27
MILLAH MURRAH HIGHLANDER G18	NMMG18	16	-2.9	15
MILWILLAH ELSOM F189	NJWF189	18	-3.5	3
MORDALLUP TIMELINE F195	WGMF195	17	-2.8	17
MURRAY EL GRANDO G20	NURG20	11	-3.4	5
NGAPUTAHU E38	NZE21095009E38	22	-2.8	17
PATHFINDER EQUATOR F195	SMPF195	9	-3.0	12
RED OAK ZULU 285	NZE10285	15	-2.4	30
RENNYLEA AMBASSADOR F857	NORF857	19	-2.4	30
RENNYLEA BLACK GOLD F340	NORF340	18	-3.4	5
RENNYLEA F266	NORF266	14	-2.8	17
S A V CAMARO 9272	USA16396573	17	-1.6	40
TOPBOS AMBASSADOR F4	DBLF4	8	-2.7	21
TURIHAUA REX E297	NZE17691009E297	20	-3.0	12



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Net Feed Intake (kg/day)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	-2.7	21
WAITAWHETA B11	NZEB11	18	-2.4	30



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - MSA Marble Score (Score)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	528.7	13
ALLOURA GET UP-AND-GO G19	DGJG19	9	475.1	31
ALPINE EXTRA SPECIAL E9	CGKE9	11	542.2	9
ARDCAIRNIE F96	WJMF96	8	527.2	14
BALD BLAIR NEW DESIGN G117	NBBG117	10	484.6	23
BLACKROCK F3	WMYF3	10	458.8	34
BOOROOMOOKA FRANKEL F510	NGMF510	8	551.2	7
BULLIAC FORWARD LEAP F24	QPDF24	10	443.3	37
CHERYLTON INFINITY G60	WLHG60	12	477.7	28
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	471.2	33
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	458.3	35
EXAR CONCISE 1304B	USA16873429	14	563.0	5
GILMANDYKE FOREMAN F0066	EUDF0066	16	482.4	25
GLENISA AXLE A020	QBVA020	19	500.6	17
GLENTANNER KODIAK G10	SJVG10	16	483.4	24
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	495.9	18
HAZELDEAN F1023	NHZF1023	17	572.8	3
HAZELDEAN F493	NHZF493	13	545.8	8
J & C EVIDENCE E11	BCHE11	11	518.7	15
KAKAHU MISSION 1036	NZE1036	10	518.7	15
KO DYNAMITE F80	NZCF80	17	588.6	2
LANDFALL FORCE F3	TFAF3	11	428.1	39
LAWSONS GENERAL G1730	VLYG1730	17	534.4	11
MERCHISTON INFINITY 774	NZE14738007774	17	475.5	30
MILLAH MURRAH DOC F159	NMMF159	8	472.1	32
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	487.7	20
MILWILLAH ELSOM F189	NJWF189	16	493.3	19
MORDALLUP TIMELINE F195	WGMF195	16	446.0	36
MURRAY EL GRANDO G20	NURG20	11	552.0	6
NGAPUTAH I E38	NZE21095009E38	23	536.2	10
PATHFINDER EQUATOR F195	SMPF195	9	480.7	26
RED OAK ZULU 285	NZE10285	15	441.6	38
RENNYLEA AMBASSADOR F857	NORF857	19	567.8	4
RENNYLEA BLACK GOLD F340	NORF340	18	530.1	12
RENNYLEA F266	NORF266	14	486.8	21
S A V CAMARO 9272	USA16396573	17	475.6	29
TOPBOS AMBASSADOR F4	DBLF4	9	669.7	1
TURIHAUA REX E297	NZE17691009E297	20	480.2	27



Angus Sire Benchmarking Project - Progeny Performance Cohort: 3 - MSA Marble Score (Score)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	486.7	22
WAITAWHETA B11	NZEB11	18	418.4	40



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - MSA Ossification (Score)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	148.2	14
ALLOURA GET UP-AND-GO G19	DGJG19	9	149.6	21
ALPINE EXTRA SPECIAL E9	CGKE9	11	156.3	34
ARDCAIRNIE F96	WJMF96	8	165.4	40
BALD BLAIR NEW DESIGN G117	NBBG117	10	161.8	39
BLACKROCK F3	WMYF3	10	150.2	22
BOOROOMOOKA FRANKEL F510	NGMF510	8	151.2	26
BULLIAC FORWARD LEAP F24	QPDF24	10	151.3	27
CHERYLTON INFINITY G60	WLHG60	12	159.7	38
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	144.9	3
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	146.5	8
EXAR CONCISE 1304B	USA16873429	14	148.6	18
GILMANDYKE FOREMAN F0066	EUDF0066	16	154.0	32
GLENISA AXLE A020	QBVA020	19	148.4	16
GLENTANNER KODIAK G10	SJVG10	16	147.0	9
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	145.4	4
HAZELDEAN F1023	NHZF1023	17	146.2	6
HAZELDEAN F493	NHZF493	13	144.5	2
J & C EVIDENCE E11	BCHE11	11	145.4	4
KAKAHU MISSION 1036	NZE1036	10	159.5	37
KO DYNAMITE F80	NZCF80	17	157.1	35
LANDFALL FORCE F3	TFAF3	11	153.4	31
LAWSONS GENERAL G1730	VLYG1730	17	147.2	10
MERCHISTON INFINITY 774	NZE14738007774	17	147.8	12
MILLAH MURRAH DOC F159	NMMF159	8	144.0	1
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	148.7	19
MILWILLAH ELSOM F189	NJWF189	16	147.4	11
MORDALLUP TIMELINE F195	WGMF195	16	152.7	30
MURRAY EL GRANDO G20	NURG20	11	150.6	24
NGAPUTAHU E38	NZE21095009E38	23	150.4	23
PATHFINDER EQUATOR F195	SMPF195	9	148.9	20
RED OAK ZULU 285	NZE10285	15	147.9	13
RENNYLEA AMBASSADOR F857	NORF857	19	152.5	29
RENNYLEA BLACK GOLD F340	NORF340	18	148.4	16
RENNYLEA F266	NORF266	14	158.7	36
S A V CAMARO 9272	USA16396573	17	150.9	25
TOPBOS AMBASSADOR F4	DBLF4	9	148.3	15
TURIHAUA REX E297	NZE17691009E297	20	155.1	33



Angus Sire Benchmarking Project - Progeny Performance Cohort: 3 - MSA Ossification (Score)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	152.2	28
WAITAWHETA B11	NZEB11	18	146.3	7



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - MSA Index (Index)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	8	65.3	12
ALLOURA GET UP-AND-GO G19	DGJG19	9	64.5	30
ALPINE EXTRA SPECIAL E9	CGKE9	11	65.2	15
ARDCAIRNIE F96	WJMF96	8	64.9	20
BALD BLAIR NEW DESIGN G117	NBBG117	10	64.3	33
BLACKROCK F3	WMYF3	10	64.6	28
BOOROOMOOKA FRANKEL F510	NGMF510	8	65.6	9
BULLIAC FORWARD LEAP F24	QPDF24	10	64.1	36
CHERYLTON INFINITY G60	WLHG60	12	64.2	35
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	14	64.7	25
CLUNIE RANGE FIRST CLASS F526	NBHF526	10	64.7	25
EXAR CONCISE 1304B	USA16873429	14	65.7	7
GILMANDYKE FOREMAN F0066	EUDF0066	16	64.4	31
GLENISA AXLE A020	QBVA020	19	65.1	17
GLENTANNER KODIAK G10	SJVG10	16	64.8	22
GRANITE RIDGE FOR-PROFIT F148	SJKF148	13	65.4	11
HAZELDEAN F1023	NHZF1023	17	66.5	2
HAZELDEAN F493	NHZF493	13	65.9	5
J & C EVIDENCE E11	BCHE11	11	65.6	9
KAKAHU MISSION 1036	NZE1036	10	65.2	15
KO DYNAMITE F80	NZCF80	17	66.0	3
LANDFALL FORCE F3	TFAF3	11	63.9	39
LAWSONS GENERAL G1730	VLYG1730	17	65.7	7
MERCHISTON INFINITY 774	NZE14738007774	17	64.7	25
MILLAH MURRAH DOC F159	NMMF159	8	64.9	20
MILLAH MURRAH HIGHLANDER G18	NMMG18	15	64.8	22
MILWILLAH ELSOM F189	NJWF189	16	65.3	12
MORDALLUP TIMELINE F195	WGMF195	16	64.1	36
MURRAY EL GRANDO G20	NURG20	11	65.8	6
NGAPUTAHU E38	NZE21095009E38	23	65.3	12
PATHFINDER EQUATOR F195	SMPF195	9	64.8	22
RED OAK ZULU 285	NZE10285	15	64.0	38
RENNYLEA AMBASSADOR F857	NORF857	19	66.0	3
RENNYLEA BLACK GOLD F340	NORF340	18	65.1	17
RENNYLEA F266	NORF266	14	64.6	28
S A V CAMARO 9272	USA16396573	17	64.3	33
TOPBOS AMBASSADOR F4	DBLF4	9	67.0	1
TURIHAUA REX E297	NZE17691009E297	20	64.4	31



Angus Sire Benchmarking Project - Progeny Performance Cohort: 3 - MSA Index (Index)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	14	65.0	19
WAITAWHETA B11	NZEB11	18	63.9	39



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Shear Force (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ALLOURA FOURTH DIMENSION F27	DGJF27	2	3.6	4
ALLOURA GET UP-AND-GO G19	DGJG19	4	4.2	34
ALPINE EXTRA SPECIAL E9	CGKE9	6	3.7	9
ARDCAIRNIE F96	WJMF96	7	3.6	4
BALD BLAIR NEW DESIGN G117	NBBG117	4	4.2	34
BLACKROCK F3	WMYF3	8	4.3	37
BOOROOMOOKA FRANKEL F510	NGMF510	4	3.7	9
BULLIAC FORWARD LEAP F24	QPDF24	3	4.6	40
CHERYLTON INFINITY G60	WLHG60	9	3.9	24
CHERYLTON RITO LEGACY 3R9 G40	WLHG40	9	3.8	18
CLUNIE RANGE FIRST CLASS F526	NBHF526	7	4.0	28
EXAR CONCISE 1304B	USA16873429	10	3.7	9
GILMANDYKE FOREMAN F0066	EUDF0066	6	4.1	33
GLENISA AXLE A020	QBVA020	10	4.4	39
GLENTANNER KODIAK G10	SJVG10	6	4.3	37
GRANITE RIDGE FOR-PROFIT F148	SJKF148	9	3.9	24
HAZELDEAN F1023	NHZF1023	8	3.7	9
HAZELDEAN F493	NHZF493	11	3.7	9
J & C EVIDENCE E11	BCHE11	8	3.7	9
KAKAHU MISSION 1036	NZE1036	7	3.6	4
KO DYNAMITE F80	NZCF80	7	3.8	18
LANDFALL FORCE F3	TFAF3	7	4.2	34
LAWSONS GENERAL G1730	VLYG1730	13	3.7	9
MERCHISTON INFINITY 774	NZE14738007774	11	3.7	9
MILLAH MURRAH DOC F159	NMMF159	4	3.5	3
MILLAH MURRAH HIGHLANDER G18	NMMG18	8	3.8	18
MILWILLAH ELSOM F189	NJWF189	11	4.0	28
MORDALLUP TIMELINE F195	WGMF195	9	4.0	28
MURRAY EL GRANDO G20	NURG20	7	3.9	24
NGAPUTAHU E38	NZE21095009E38	10	3.8	18
PATHFINDER EQUATOR F195	SMPF195	6	3.6	4
RED OAK ZULU 285	NZE10285	5	3.9	24
RENNYLEA AMBASSADOR F857	NORF857	8	3.2	1
RENNYLEA BLACK GOLD F340	NORF340	10	3.8	18
RENNYLEA F266	NORF266	9	4.0	28
S A V CAMARO 9272	USA16396573	6	3.3	2
TOPBOS AMBASSADOR F4	DBLF4	4	3.6	4
TURIHAUA REX E297	NZE17691009E297	13	3.7	9



Angus Sire Benchmarking Project - Progeny Performance

Cohort: 3 - Shear Force (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
WAITARA PIO FEDERAL F73	BSCF73	9	4.0	28
WAITAWHETA B11	NZEB11	9	3.8	18



UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE SUMMARY TABLE

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

For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes listed in section 1 of the report be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. 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 Angus population.

Interpreting the ASBP Progeny Performance Summary Table

Angus Sire Benchmarking Program - Cohort 3												
Summary of Progeny Averages (rank)												
Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	Rank
DGJF27 ALLOURA FOURTH DIMENSION F27	34.1 (1)	282.8 (23)	192.1 (35)	359.3 (40)	512.9 (36)	300.7 (16)	66.0 (15)	8.5 (1)	10.8 (1)	6.4 (1)	426.6 (36)	8
DGJG19 ALLOURA GET UP-AND-GO G19	37.0 (15)	283.0 (24)	202.7 (17)	396.7 (13)	537.3 (21)	290.1 (1)	64.9 (26)	7.8 (8)	10.0 (14)	5.4 (24)	432.3 (31)	7
CGKE9 ALPINE EXTRA SPECIAL E9	37.1 (18)	279.1 (4)	190.7 (39)	370.2 (37)	515.0 (34)	316.6 (40)	62.4 (39)	5.8 (40)	7.7 (39)	4.9 (40)	434.6 (30)	8
WJMF96 ARDCAIRNIE F96	36.2 (7)	281.7 (17)	198.9 (21)	390.3 (18)	551.2 (10)	310.5 (37)	69.0 (2)	7.7 (10)	10.1 (11)	5.6 (12)	465.0 (11)	6
NBBG117 BALD BLAIR NEW DESIGN G117	36.3 (9)	282.1 (20)	197.0 (29)	397.5 (11)	544.0 (12)	302.1 (22)	67.0 (11)	7.4 (18)	9.3 (28)	5.0 (39)	453.4 (19)	5
WMYF3 BLACKROCK F3	36.5 (10)	279.0 (3)	204.3 (11)	388.2 (22)	555.2 (8)	301.5 (19)	67.2 (9)	7.6 (14)	10.3 (8)	5.7 (10)	479.1 (2)	4
NGMF510 BOOROOMOOKA FRANKEL F510	40.3 (39)	281.3 (14)	200.3 (20)	405.9 (3)	555.5 (7)	304.1 (26)	65.8 (16)	7.3 (20)	10.1 (11)	5.4 (24)	444.3 (26)	3

Progeny Average = The average performance of this sires progeny for the specified trait in the ASBP. 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 (in brackets). 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.

For easy interpretation colour coding has been applied to the ranking being:

- Rank 1 to 5 (dark green with white text). E.g.

34.1 (1)

- Rank 6 to 10 (light green with black text). E.g.

36.5 (10)

The definition of the traits are detailed in the previous section of this report titled “*Interpreting the ASBP Progeny Performance Listing*”

The table is sorted on sire name for the specified cohort.

The date the progeny performance values were produced is listed in the bottom left hand margin of the report. The reports will be regularly updated as further ASBP data is recorded and analysed.



Angus Sire Benchmarking Program - Cohort 3

Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
DGJF27 ALLOURA FOURTH DIMENSION F27	34.1 (1)	282.8 (23)	192.1 (35)	359.3 (40)	512.9 (36)	300.7 (16)	66.0 (15)	8.5 (1)	10.8 (1)	6.4 (1)	426.6 (36)	87.7 (20)	12.0 (5)	-3.4 (5)	528.7 (13)	148.2 (14)	65.3 (12)	3.6 (4)
DGJG19 ALLOURA GET UP-AND-GO G19	37.0 (15)	283.0 (24)	202.7 (17)	396.7 (13)	537.3 (17)	290.1 (1)	64.9 (26)	7.8 (8)	10.0 (14)	5.4 (24)	432.3 (31)	82.8 (38)	9.2 (23)	-2.4 (30)	475.1 (31)	149.6 (21)	64.5 (30)	4.2 (34)
CGKE9 ALPINE EXTRA SPECIAL E9	37.1 (18)	279.1 (4)	190.7 (39)	370.2 (37)	515.0 (34)	316.6 (40)	62.4 (39)	5.8 (40)	7.7 (39)	4.9 (40)	434.6 (30)	87.4 (24)	9.4 (20)	-2.4 (30)	542.2 (9)	156.3 (34)	65.2 (15)	3.7 (9)
WJMF96 ARDCAIRNIE F96	36.2 (7)	281.7 (17)	198.9 (21)	390.3 (18)	551.2 (10)	310.5 (37)	69.0 (2)	7.7 (10)	10.1 (11)	5.6 (12)	465.0 (11)	92.1 (7)	9.2 (23)	-3.3 (9)	527.2 (14)	165.4 (40)	64.9 (20)	3.6 (4)
NBBG117 BALD BLAIR NEW DESIGN G117	36.3 (9)	282.1 (20)	197.0 (29)	397.5 (11)	544.0 (12)	302.1 (22)	67.0 (11)	7.4 (18)	9.3 (28)	5.0 (39)	453.4 (19)	92.2 (6)	10.8 (13)	-3.4 (5)	484.6 (23)	161.8 (39)	64.3 (33)	4.2 (34)
WMYF3 BLACKROCK F3	36.5 (10)	279.0 (3)	204.3 (11)	388.2 (22)	555.2 (8)	301.5 (19)	67.2 (9)	7.6 (14)	10.3 (8)	5.7 (10)	479.1 (2)	88.0 (18)	8.4 (36)	-2.5 (27)	458.8 (34)	150.2 (22)	64.6 (28)	4.3 (37)
NGMF510 BOOROOMOOKA FRANKEL F510	40.3 (39)	281.3 (14)	200.3 (20)	405.9 (3)	555.5 (7)	304.1 (26)	65.8 (16)	7.3 (20)	10.1 (11)	5.4 (24)	444.3 (26)	93.3 (5)	12.0 (5)	-3.7 (1)	551.2 (7)	151.2 (26)	65.6 (9)	3.7 (9)
QPDF24 BULLIAC FORWARD LEAP F24	35.1 (4)	278.4 (1)	194.2 (33)	386.9 (23)	510.5 (38)	297.7 (9)	62.9 (38)	6.4 (36)	9.2 (30)	5.3 (32)	430.2 (35)	86.8 (25)	7.9 (40)	-2.7 (21)	443.3 (37)	151.3 (27)	64.1 (36)	4.6 (40)
WLHG60 CHERYLTON INFINITY G60	34.8 (3)	283.4 (26)	201.6 (19)	382.3 (29)	531.1 (25)	292.4 (3)	65.3 (23)	6.5 (35)	9.6 (24)	5.7 (10)	449.9 (23)	89.3 (13)	9.2 (23)	-1.8 (39)	477.7 (28)	159.7 (38)	64.2 (35)	3.9 (24)
WLHG40 CHERYLTON RITO LEGACY 3R9 G40	39.1 (33)	286.7 (39)	187.6 (40)	360.7 (39)	515.4 (33)	309.9 (36)	64.0 (31)	7.4 (18)	10.6 (2)	5.4 (24)	432.1 (32)	91.7 (10)	8.9 (28)	-3.5 (3)	471.2 (33)	144.9 (3)	64.7 (25)	3.8 (18)
NBHF526 CLUNIE RANGE FIRST CLASS F526	39.8 (37)	281.8 (19)	204.1 (13)	402.7 (8)	565.9 (1)	300.4 (15)	67.7 (6)	8.0 (7)	10.0 (14)	5.6 (12)	486.8 (1)	84.1 (34)	8.3 (37)	-2.8 (17)	458.3 (35)	146.5 (8)	64.7 (25)	4.0 (28)
USA16873429 EXAR CONCISE 1304B	39.7 (36)	286.1 (36)	205.0 (9)	388.8 (20)	533.4 (23)	308.4 (34)	68.4 (3)	6.6 (31)	8.4 (35)	5.9 (6)	446.7 (25)	96.1 (1)	11.3 (9)	-3.0 (12)	563.0 (5)	148.6 (18)	65.7 (7)	3.7 (9)
EUDF0066 GILMANDYKE FOREMAN F0066	38.2 (27)	280.1 (5)	197.8 (25)	384.0 (26)	561.4 (2)	301.9 (20)	64.9 (26)	6.4 (36)	8.5 (34)	5.5 (20)	451.6 (22)	85.7 (30)	10.4 (15)	-3.1 (11)	482.4 (25)	154.0 (32)	64.4 (31)	4.1 (33)
QBVA020 GLENISA AXLE A020	38.2 (27)	284.1 (33)	190.8 (38)	388.4 (21)	526.0 (30)	296.8 (7)	65.6 (19)	7.2 (22)	9.7 (22)	5.3 (32)	452.4 (21)	85.6 (31)	9.4 (20)	-2.6 (25)	500.6 (17)	148.4 (16)	65.1 (17)	4.4 (39)
SJVG10 GLENTANNER KODIAK G10	37.5 (21)	283.7 (29)	196.1 (31)	382.9 (28)	521.6 (31)	309.4 (35)	61.2 (40)	6.4 (36)	9.5 (26)	5.3 (32)	430.9 (33)	80.9 (40)	8.9 (28)	-3.7 (1)	483.4 (24)	147.0 (9)	64.8 (22)	4.3 (37)
SJKF148 GRANITE RIDGE FOR-PROFIT F148	36.8 (13)	280.5 (7)	205.9 (6)	407.6 (1)	550.6 (11)	308.2 (33)	65.8 (16)	8.4 (2)	9.9 (16)	5.8 (9)	473.0 (7)	86.8 (25)	10.0 (17)	-3.2 (10)	495.9 (18)	145.4 (4)	65.4 (11)	3.9 (24)
NHZF1023 HAZELDEAN F1023	38.0 (25)	283.6 (27)	204.2 (12)	390.7 (17)	542.4 (15)	302.8 (24)	68.0 (5)	8.4 (2)	10.2 (10)	6.1 (2)	462.3 (13)	88.9 (15)	13.8 (1)	-2.0 (38)	572.8 (3)	146.2 (6)	66.5 (2)	3.7 (9)
NHZF493 HAZELDEAN F493	38.1 (26)	281.6 (15)	207.7 (3)	407.4 (2)	558.7 (4)	299.2 (11)	68.1 (4)	7.7 (10)	10.6 (2)	6.0 (4)	454.5 (18)	94.0 (4)	11.7 (7)	-2.4 (30)	545.8 (8)	144.5 (2)	65.9 (5)	3.7 (9)
BCHE11 J & C EVIDENCE E11	40.2 (38)	280.6 (8)	204.4 (10)	404.9 (6)	530.6 (26)	313.0 (38)	66.8 (12)	6.6 (31)	9.1 (31)	5.2 (38)	476.3 (3)	88.8 (16)	9.0 (27)	-2.1 (37)	518.7 (15)	145.4 (4)	65.6 (9)	3.7 (9)
NZE1036 KAKAHU MISSION 1036	38.3 (29)	286.2 (37)	203.4 (15)	381.0 (32)	558.3 (5)	304.9 (28)	67.7 (6)	7.2 (22)	9.5 (26)	5.6 (12)	468.9 (9)	94.5 (3)	10.1 (16)	-2.5 (27)	518.7 (15)	159.5 (37)	65.2 (15)	3.6 (4)
NZCF80 KO DYNAMITE F80	36.9 (14)	280.4 (6)	198.5 (23)	384.3 (25)	530.2 (28)	294.1 (5)	63.9 (32)	6.8 (28)	9.6 (24)	5.6 (12)	462.4 (12)	87.7 (20)	12.1 (4)	-2.6 (25)	588.6 (2)	157.1 (35)	66.0 (3)	3.8 (18)
TFAF3 LANDFALL FORCE F3	37.1 (18)	280.6 (8)	196.6 (30)	397.9 (10)	539.3 (19)	301.4 (18)	65.0 (25)	7.8 (8)	9.3 (28)	5.5 (20)	435.1 (29)	86.7 (27)	8.0 (39)	-2.9 (15)	428.1 (39)	153.4 (31)	63.9 (39)	4.2 (34)



Angus Sire Benchmarking Program - Cohort 3

Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
VLYG1730 LAWSONS GENERAL G1730	39.4 (35)	283.9 (30)	206.2 (5)	400.3 (9)	535.4 (22)	297.5 (8)	67.1 (10)	6.6 (31)	8.3 (37)	5.3 (32)	461.9 (14)	91.5 (11)	8.9 (28)	-2.4 (30)	534.4 (11)	147.2 (10)	65.7 (7)	3.7 (9)
NZE14738007774 MERCHISTON INFINITY 774	38.7 (30)	284.4 (34)	207.5 (4)	393.9 (14)	540.1 (18)	293.1 (4)	65.5 (20)	7.1 (25)	10.6 (2)	5.5 (20)	452.6 (20)	82.9 (37)	9.4 (20)	-2.7 (21)	475.5 (30)	147.8 (12)	64.7 (25)	3.7 (9)
NMMF159 MILLAH MURRAH DOC F159	38.8 (32)	283.2 (25)	205.9 (6)	385.8 (24)	542.1 (16)	300.0 (12)	65.4 (22)	8.1 (5)	10.3 (8)	5.4 (24)	474.1 (6)	84.9 (33)	9.9 (19)	-2.5 (27)	472.1 (32)	144.0 (1)	64.9 (20)	3.5 (3)
NMMG18 MILLAH MURRAH HIGHLANDER G18	37.0 (15)	283.9 (30)	201.9 (18)	382.3 (29)	543.0 (14)	307.5 (32)	67.3 (8)	7.5 (16)	10.5 (6)	5.6 (12)	460.9 (15)	92.0 (8)	8.9 (28)	-2.9 (15)	487.7 (20)	148.7 (19)	64.8 (22)	3.8 (18)
NJWF189 MILWILLAH ELSOM F189	37.5 (21)	282.3 (22)	197.3 (27)	397.1 (9)	551.3 (21)	302.0 (13)	66.7 (13)	6.6 (31)	8.3 (37)	5.4 (24)	476.1 (4)	87.7 (20)	8.9 (28)	-3.5 (3)	493.3 (19)	147.4 (11)	65.3 (12)	4.0 (28)
WGMF195 MORDALLUP TIMELINE F195	39.1 (33)	286.3 (38)	205.2 (8)	393.5 (16)	538.5 (20)	300.3 (14)	64.6 (28)	6.8 (28)	9.9 (16)	5.6 (12)	454.8 (17)	86.2 (28)	8.5 (35)	-2.8 (17)	446.0 (36)	152.7 (30)	64.1 (36)	4.0 (28)
NURG20 MURRAY EL GRANDO G20	37.6 (23)	280.9 (10)	208.3 (2)	405.8 (4)	560.7 (3)	301.1 (17)	69.3 (1)	7.1 (25)	9.1 (31)	6.0 (4)	475.8 (5)	95.9 (2)	11.4 (8)	-3.4 (5)	552.0 (6)	150.6 (24)	65.8 (6)	3.9 (24)
NZE21095009E38 NGAPUTAH E38	41.3 (40)	283.6 (27)	203.5 (14)	402.9 (7)	529.2 (29)	305.8 (31)	65.1 (24)	7.0 (27)	9.1 (31)	5.5 (20)	442.4 (27)	85.0 (32)	11.2 (10)	-2.8 (17)	536.2 (10)	150.4 (23)	65.3 (12)	3.8 (18)
SMPF195 PATHFINDER EQUATOR F195	38.7 (30)	280.9 (10)	202.9 (16)	383.8 (27)	543.2 (13)	305.6 (30)	65.5 (20)	5.9 (39)	7.3 (40)	5.4 (24)	460.5 (16)	90.6 (12)	8.6 (34)	-3.0 (12)	480.7 (26)	148.9 (20)	64.8 (22)	3.6 (4)
NZE10285 RED OAK ZULU 285	37.7 (24)	285.5 (35)	191.5 (37)	375.0 (35)	515.0 (34)	298.6 (10)	63.4 (37)	7.3 (20)	10.5 (6)	5.4 (24)	425.2 (37)	83.5 (35)	9.2 (23)	-2.4 (30)	441.6 (38)	147.9 (13)	64.0 (38)	3.9 (24)
NORF857 RENNYLEA AMBASSADOR F857	37.0 (15)	281.0 (12)	198.7 (22)	370.3 (36)	540.7 (17)	303.9 (25)	64.6 (28)	8.3 (4)	9.8 (19)	5.9 (6)	467.2 (10)	88.2 (17)	12.6 (3)	-2.4 (30)	567.8 (4)	152.5 (29)	66.0 (3)	3.2 (1)
NORF340 RENNYLEA BLACK GOLD F340	34.3 (2)	281.7 (17)	195.8 (32)	389.8 (19)	521.5 (32)	314.3 (39)	64.4 (30)	7.6 (14)	10.1 (11)	5.9 (6)	417.9 (40)	85.9 (29)	10.9 (12)	-3.4 (5)	530.1 (12)	148.4 (16)	65.1 (17)	3.8 (18)
NORF266 RENNYLEA F266	35.5 (5)	281.6 (15)	198.0 (24)	380.1 (33)	530.3 (27)	300.0 (12)	63.8 (34)	7.7 (10)	10.6 (2)	5.6 (12)	441.2 (28)	87.6 (23)	11.1 (11)	-2.8 (17)	486.8 (21)	158.7 (36)	64.6 (28)	4.0 (28)
USA16396573 S A V CAMARO 9272	36.0 (6)	278.9 (2)	197.3 (27)	381.7 (31)	507.9 (39)	290.6 (2)	63.5 (36)	7.5 (16)	8.4 (35)	5.3 (32)	423.6 (39)	83.4 (36)	10.6 (14)	-1.6 (40)	475.6 (29)	150.9 (25)	64.3 (33)	3.3 (2)
DBLF4 TOPBOS AMBASSADOR F4	37.3 (20)	287.0 (40)	197.4 (26)	393.7 (15)	532.9 (24)	302.3 (23)	65.7 (18)	6.8 (28)	9.8 (19)	6.1 (2)	448.5 (24)	92.0 (8)	13.3 (2)	-2.7 (21)	669.7 (1)	148.3 (15)	67.0 (1)	3.6 (4)
NZE17691009E297 TURIHAUA REX E297	36.7 (12)	281.2 (13)	194.1 (34)	365.2 (38)	511.1 (37)	304.8 (27)	63.8 (34)	7.2 (22)	9.7 (22)	5.4 (24)	430.3 (34)	89.0 (14)	8.3 (37)	-3.0 (12)	480.2 (27)	155.1 (33)	64.4 (31)	3.7 (9)
BSCF73 WAITARA PIO FEDERAL F73	36.5 (10)	283.9 (30)	209.6 (1)	405.3 (5)	557.5 (6)	305.2 (29)	66.2 (14)	7.7 (10)	9.8 (19)	5.6 (12)	470.9 (8)	87.8 (19)	10.0 (17)	-2.7 (21)	486.7 (22)	152.2 (28)	65.0 (19)	4.0 (28)
NZEB11 WAITAWHETA B11	36.2 (7)	282.1 (20)	191.8 (36)	379.4 (34)	507.2 (40)	295.7 (6)	63.9 (32)	8.1 (5)	9.9 (16)	5.3 (32)	424.4 (38)	81.6 (39)	8.8 (33)	-2.4 (30)	418.4 (40)	146.3 (7)	63.9 (39)	3.8 (18)