



Dairy Beef Progeny Test Report

JULY 2024

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Contents

Introduction	3
PART 1. COHORT UPDATES	4
2023-born calves: birth, rearing and growth traits up to 200 days of age	4
2022-born calves: 400-day and 600-day weight	4
2021-born calves: carcass traits assessed by ultrasound and at processing	4
Table 1. Cohort 8 (2023-born calves): Average gestation length, birth weight, weaning age and 200-day weight of sires.	5
Table 2. Cohort 7 (2022-born calves): Average 400-day and 600-day weight of sires.	6
Table 3. Cohort 6 (2021-born calves): Average live weight, eye muscle area (EMA), intramuscular fat (IMF) and fat depth at the rib and P8 sites of sires	7
Table 4. Cohort 6 (2021-born calves): Average live weight pre-slaughter, dressing out percentage, carcass weight, rib fat depth, marbling score, pH, meat colour, fat colour.....	8
PART 2. TOP PERFORMING BULLS ACROSS COHORTS	9
a. All round performance from birth to carcass	9
Table 5. Bulls with lifetime progeny data that meet “all-rounder” criteria.....	9
Table 6. All round performance of up-and-coming sires.....	10
b. Carcass weight and marbling (sires of progeny born 2020 or earlier)	11
Table 7. Top 20 bulls for carcass weight	11
Table 8. Top 20 bulls for marbling score	12
c. 600-day weight (sires of progeny born 2022 or earlier)	13
Table 9. Top 20 bulls for 600-day weight	13
d. 400-day weight (sires of progeny born 2022 or earlier)	14
Table 10. Top 20 bulls for 400-day weight.	14
e. 200-day weight (sires of progeny born 2022 or earlier)	15
Table 11. Top 20 bulls for 200-day weight	15
f. Calving and Rearing traits (sires of progeny born 2023 or earlier)	16
Table 12. Top 20 bulls for birth weight.....	16
Table 13. Top 20 bulls for age at weaning.....	17
g. Calving traits (sires of progeny born 2021 or earlier)	18
Table 14. Top 20 bulls for gestation length (for bulls that have had at least 10 progeny born).	18



Introduction

The Dairy Beef Progeny Test (DBPT) began at Limestone Downs in 2015, where Hereford and Angus bulls with a range of EBVs were tested in a dairy herd to determine how well the progeny performance matched the EBV of the sire. The EBVs proved to be a good predictor of performance in the dairy beef system, and so the second stage of the DBPT was established at Pāmu's Renown farm at Wairakei Pastoral Complex. In this test, bulls of any breed for which the EBV indicated they were likely to be excellent bulls for dairy beef systems were selected and progeny-tested through the generation of calves in the Renown dairy herd. Calves in the progeny test are finished under commercial conditions with assessment of rearing, growth and carcass traits, as well as calving ease and gestation length. Traits that are important to both dairy and beef farmers.

The 2021-born calves from Renown were processed between November 2023 and March 2024. The 2022-born calves have been measured up to 600-day weight and will be ultrasound muscle scanned and processed in 2024/25. The 2023-born calves have been measured up to 200-day weight. A new cohort of calves is expected from July 2024. Weaning ages have been adjusted over the lifetime of the Progeny Test, with decreases from 85 days down to approximately 75 days of age over the lifetime of the Progeny Test. However, all analyses of weaning age account for this change to maintain a comparable base across all cohorts.

The first part of this report provides updates on the latest traits recorded for each cohort. The second part of this report identifies some top all-round bulls that can be used to the benefit of all players in the industry. In addition, top individual bulls for key traits are identified.

PART 1. COHORT UPDATES

2023-born calves: birth, rearing and growth traits up to 200 days of age.

See Table 1

Four hundred and eighteen calves were DNA-verified to Progeny Test sires in spring 2023. Once again, there was no problem with calving difficulty. There were five assisted calvings, none of which required veterinary assistance, two were twins, two had difficult presentation and one was over 50kg. The mean birth weight was consistent with previous seasons. Calves were reared on-farm at Pāmu and weaned at a minimum live weight of 75 kg.

These calves have been recorded up to 200-day weight, and their next measurement will be a 400-day weight in Spring 2024.

2022-born calves: 400-day and 600-day weight.

See Table 2

The 2022-born calves have been run in four groups since weaning (two of heifers, two of steers), they are on track for processing in the coming spring/summer and will have ultrasound muscle scanning data collected prior to processing.

2021-born calves: carcass traits assessed by ultrasound and at processing

See Table 3 and Table 4

These cattle were managed in four herds from weaning until near to processing, when the four groups were split into two subgroups (total of eight groups) for processing. This resulted in four groups of heifers and four groups of steers at processing. All heifer groups were ultrasound muscle scanned prior to processing and all steer groups were ultrasound muscle scanned at a later event, prior to processing of the first steers. The average age at ultrasound scanning was 842 days, and the average age at processing was 897 days.

All the traits assessed in the live animals have shown a significant impact of sire meaning that the progeny performance was better for some sires than others. When carcass traits were considered, we identified two traits – pH and meat colour – that were not affected by sire. Overall, 3.1% of cattle processed from the 2021-born cohort had pH of 5.8 or more.

The majority of cattle (98.6%) graded P2, 1.4% graded L2, there were no P1 or P3 graded cattle this year. Fat colour scores of 5 or above are likely to result in downgrading for yellowness. Overall, only 6 animals (0.94%) processed from the 2021-born cohort reached this threshold for yellowness. Cattle were processed through Silver Fern Farms' Pacific Plant, where they were assessed on the BeefEQ standard; 32% of heifers and 45.9% of steers processed reached the reserve grade.

Table 1. Cohort 8 (2023-born calves): Average gestation length, birth weight, weaning age and 200-day weight of sires.

Sire Name	Breed	Animal Identification	n born	Gestation Length (days)	Birth weight (kg)	n weaned	Weaning age (days)	200-day weight (kg)
Minko Maki	Akauishi Wagyu	MDBFM00009	30	285.0	35.5	28	87.8	155
Kakahu 20085 (Kakahu Project)	Angus	NZE13300020085	28	277.9	34.5	26	79.7	171
Kincardine KC Kingdom 15-531 ^φ	Angus	13459015531	13	279.8	35.2	41	84.7	158
Totaranui Cash Deal Q208	Angus	12922019Q208	32	278.2	34.6	30	82.6	170
Kakahu Milestone	Charolais	001190600E	24	280.3	38.6	21	76.2	173
Ardo Trust 455	Hereford	0277200455	27	283.4	35.0	27	79.1	170
Ardo Vostock 5341 ^φ	Hereford	0277155341	11	281.2	35.1	32	78.2	171
Beechwood Imposer 44 ^φ	Hereford	0051180044	20	279.7	38.0	46	77.3	170
Koanui Sizzler R039	Hereford	0216200039	24	283.7	38.9	21	77.6	171
Mahuta Ocean 8073 ^φ	Hereford	0828188073	14	280.2	36.9	36	82.1	175
Ngakouka Patu 2020	Hereford	1557200020	37	284.3	41.5	31	72.6	171
NZHA Cooper 18 274	Hereford	1660180274	25	285.0	36.7	23	80.0	161
Orari Gorge Upper Hutt 200095 [^]	Hereford	0400200095	14	283.4	40.0	11	77.1	168
Riverton Easter 19 29	Hereford	0091190029	30	282.4	41.2	30	72.5	177
Chequers Raptor R5	Murray Grey	2548200005	28	284.6	36.9	28	82.7	167
Stabilizer 19S180	Stabilizer	N/A	28	282.3	34.5	28	78.9	171
Stabilizer 21S161	Stabilizer	N/A	33	282.0	37.1	31	78.4	171
Average of all DBPT Bulls				281.5	37.9		82.7	167

*There are some minor differences in the numbers compared to the Calving Trait report as the last of the DNA results (re-samples) have been processed since that analysis. ^φLink sires. [^] half the number of straws allocated at insemination.

Table 2. Cohort 7 (2022-born calves): Average 400-day and 600-day weight of sires.

Sire Name	Breed	Animal Identification	n at 400d	400-day weight (kg)	600-day weight (kg)
Seven Hills 379/18	Angus	NZE21159018379	32	278	408
Te Mania Matrix 16018	Angus	NZE16932016018	46	279	414
Whenuapapa Cappa Q032	Angus	21211019Q032	32	273	408
Glenacardoch TED 18/608	Belgian Blue	178/18A608	22	250	374
Rauriki Paxton 06	Charolais	900190006E	16	279	424
Ardo Ajax 9136	Hereford	0277199136	32	279	423
Beechwood Doubtless	Hereford	0051140527	26	285	435
Beechwood Jono 51	Hereford	0051190051	26	268	410
Flagstaff Klingon P6	Hereford	0759180006	28	287	429
Kairaumati Hudson 1789	Hereford	1483170089	27	277	420
Kanuka Paddington 2003	Hereford	1433202003	14	279	414
Koanui Major P469	Hereford	0216180469	24	276	416
Orari Gorge Tarzan 190091	Hereford	0400190091	26	292	432
Shrimptons Hill 170045	Hereford	0300170045	17	255	385
Shrimptons Hill 170053	Hereford	0300170053	19	255	394
Shrimptons Hill 190126	Hereford	300190126	45	259	395
Chequers Qudos Q4	Murray Grey	2548190004	30	283	425
Torrisdale Quercus Q40	Murray Grey	1427190040	28	269	399
Arcadia Pine 828	Red Devon	172218828	38	264	392
Glendhu Ofahengaue 19 927	Shorthorn	228519927	23	273	414
Rissington New Standard AU158	Simmental	0049AU0158	39	301	443
Waikite H2002	Simmental	1455202002	19	295	435
Parkvale Mark	Speckle Park	PRK M61	29	265	402
Focus 20S028 (black)	Stabilizer	N/A	22	279	411
Focus Stabilizer 165287	Stabilizer	N/A	46	299	434
Focus 19S132 (red)	Stabilizer	N/A	14	262	386
Average of all DPBT bulls				270	416

Table 3. Cohort 6 (2021-born calves): Average live weight, eye muscle area (EMA), intramuscular fat (IMF) and fat depth at the rib and P8 sites of sires.

All scan traits are adjusted to a common live weight at scanning.

Sire Name	Breed	Animal Identification	n scanned	Live weight (kg)	EMA (cm ²)	IMF	P8 fat depth (mm)	Rib fat depth (mm)
Focus 193013	Angus	NZE194990193013	30	521	80.1	6.1	7.6	5.0
Focus Cracker 4025	Angus	NZE194810184025	33	558	79.3	6.2	8.7	4.4
Glanworth 17013	Angus	12154017013	60	545	78.5	6.0	7.7	4.7
Ngaputahi P219	Angus	NZE21095018P219	32	538	79.8	6.1	7.5	5.0
Ploughbright Fennessy	Australian Lowline	QLRF046	17	490	78.8	6.1	7.8	5.1
Ardo Ajax 5014	Hereford	0277155014	63	546	78.8	4.3	7.6	4.4
Ardo Hustler 8014	Hereford	0277188014	41	546	77.9	4.1	8.3	4.7
Beechwood Imposer 44	Hereford	0051180044	24	558	77.6	5.2	9.7	5.8
Beechwood In Time 7	Hereford	0051180007	31	552	78.6	4.8	9.0	5.3
Foulden Hill King 180500	Hereford	1731180500	33	552	77.9	4.8	7.9	4.5
Mahuta Ocean 8073	Hereford	0828188073	20	579	76.3	4.8	7.3	4.6
Shrimptons Hill 190126	Hereford	0300190126	32	517	76.8	4.4	8.5	5.0
Westholm Fargo U66	Hereford	0421190066	35	530	76.8	4.7	8.7	4.0
Torrisdale Pegasus P66	Murray Grey	1427180066	39	524	78.8	4.5	6.2	4.2
Tinopai BA Jed 1633	Red Devon	172916033	33	506	79.2	5.8	9.4	5.4
Kerrah Exchequer E502	Simmental	1667AE0502	45	527	79.7	4.3	5.2	3.4
Kerrah Fortress F326	Simmental	1667AF0326	29	573	78.4	3.5	5.5	3.1
Leafland E121	Simmental	1614AE0121	40	576	78.4	3.8	5.8	3.1
Maungahina Kidmans Cove	Speckle Park	Mau K247	24	521	79.6	6.2	8.5	5.1
Totara Hill Steak House N6	Speckle Park	N/A	26	531	77.8	6.2	8.4	5.6
Focus Stabilizer 5004 (red)	Stabilizer	N/A	35	564	79.2	5.2	6.9	4.4
Focus Stabilizer S183 (black)	Stabilizer	N/A	33	562	77.6	5.3	8.4	4.8
Focus Trinity 135263	Stabilizer	N/A	37	556	79.4	5.4	7.8	4.4
Average of all DBPT bulls*				548	77.8	5.0	7.0	4.2

*The 2018-born calves are the first cohort to be ultrasound muscle scanned, so the average presented is only for the bulls used since the 2018 cohort

Table 4. Cohort 6 (2021-born calves): Average live weight pre-slaughter, dressing out percentage, carcass weight, rib fat depth, marbling score, pH, meat colour and fat colour of sires. Rib fat depth and marbling score are adjusted to a common carcass weight, and meat colour is adjusted for pH.

Sire Name	Breed	Animal Identification	n carcass	Live weight (kg)	Dressing out (%)	CCS weight (kg)	Marbling score	Rib fat depth (mm)	pH	Meat colour (1-9 scale)	Fat colour (1-9 scale)	Ossification*
Focus 193013	Angus	NZE194990193013	29	558	48.9%	269	379	5.0	5.6	3.3	3.1	171
Focus Cracker 4025	Angus	NZE194810184025	33	591	49.6%	288	438	5.6	5.6	3.3	3.0	169
Glanworth 17013	Angus	12154017013	60	585	48.7%	280	382	6.1	5.6	3.3	3.0	159
Ngaputahi P219	Angus	NZE21095018P219	32	571	48.5%	272	394	5.3	5.6	3.3	3.3	168
Ploughbright Fennessy	Aus Lowline	QLRF046	16	510	48.7%	244	350	6.1	5.5	3.6	3.1	160
Ardo Ajax 5014	Hereford	0277155014	63	584	49.3%	283	332	5.7	5.6	3.1	2.9	158
Ardo Hustler 8014	Hereford	0277188014	42	577	49.1%	278	330	5.4	5.6	3.2	3.0	155
Beechwood Imposer 44	Hereford	0051180044	24	599	48.1%	283	318	5.8	5.6	3.3	3.0	161
Beechwood In Time 7	Hereford	0051180007	30	585	49.1%	282	334	6.2	5.6	3.3	3.3	164
Foulden Hill King 180500	Hereford	1731180500	34	581	48.7%	278	336	6.0	5.6	3.3	2.8	163
Mahuta Ocean 8073	Hereford	0828188073	20	616	48.4%	293	340	6.4	5.6	3.1	2.8	165
Shrimptons Hill 190126	Hereford	0300190126	32	549	48.9%	264	336	6.6	5.6	3.5	2.8	166
Westholm Fargo U66	Hereford	0421190066	35	558	48.2%	265	344	5.7	5.6	3.4	3.3	162
Torrisdale Pegasus P66	Murray Grey	1427180066	38	566	48.5%	270	324	6.3	5.6	3.4	2.8	163
Tinopai BA Jed 1633	Red Devon	172916033	33	539	48.3%	256	350	6.6	5.6	3.4	2.8	163
Kerrah Exchequer E502	Simmental	1667AE0502	45	564	48.5%	269	361	4.6	5.6	3.3	3.1	170
Kerrah Fortress F326	Simmental	1667AF0326	29	612	49.7%	299	286	4.0	5.6	3.4	3.0	170
Leafland E121	Simmental	1614AE0121	40	608	49.5%	296	314	4.3	5.6	3.4	2.8	170
Maungahina Kidmans Cove	Speckle Park	Mau K247	23	563	49.1%	272	391	5.7	5.5	3.1	2.8	162
Totara Hill Steak House N6	Speckle Park	N/A	26	560	49.1%	270	382	6.1	5.6	3.3	3.1	168
Focus Stabilizer 5004 (red)	Stabilizer	N/A	35	601	49.0%	291	364	5.4	5.6	3.3	3.2	164
Focus Stabilizer S183 (black)	Stabilizer	N/A	31	594	48.3%	282	392	6.2	5.6	3.2	3.2	160
Focus Trinity 135263	Stabilizer	N/A	37	592	48.8%	284	382	5.0	5.6	3.2	2.6	158
Average of all DBPT bulls				579	49.0%	280	333	4.9	5.6	3.4	3.0	161

*Ossification was measured for the first time on 2018-born calves, but the number of progeny reported includes those born in previous cohorts for the link sires.

PART 2. TOP PERFORMING BULLS ACROSS COHORTS

a. All round performance from birth to carcass (sires of progeny born 2020 or earlier).

The ideal bull for dairy beef must produce a calf that is born easily and on-time, and that calf must then grow quickly to weaning, and then to processing, producing a good level of fatness in the carcass. There are Seventeen bulls in the Progeny Test (within those for which carcass data has already been collected), that meet the following criteria: birth weight less than 40 kg, gestation length no more than 282 days, weaning age below average (84.1 days), carcass weight above 280kg (all bull average) and a marbling score above average (333). Each year there is some reranking (as a result of a change in values) due to the use of Link Sires.

Table 5. Bulls with lifetime progeny data that meet “all-rounder” criteria: good birth weight, gestation length, age at weaning, carcass weight, marbling score.

Sire Name	Breed	Animal Identification	Gestation length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound EMA (cm ²)	Carcass wt. (kg)	Marbling score
29AN1920 ABS Protégé 306	Angus	N/A	279.7	38.6	80.0	170	278	413	76.8	289	372
Focus 171293	Angus	NZE194730171293	280.6	38.5	78.6	169	284	422	77.0	291	372
Focus 173075	Angus	NZE194990173075	277.9	36.5	79.7	171	294	429	76.9	291	355
Rissington 160043	Angus	NZE145720160043	275.9	33.2	83.6	165	269	409	79.4	281	412
Rissington C200	Angus	NZE145720180128	278.7	33.5	79.5	170	284	418	78.9	287	407
Rissington Protégé 110002	Angus	NZE14572015C200	278.4	37.4	79.5	171	288	433	-	287	340
Storth Oaks K122	Angus	NZE19507014K122	279.2	35.7	83.8	163	275	416	77.0	286	385
Storth Oaks M33	Angus	NZE1950716M33	279.9	36.2	77.5	174	291	428	78.0	291	342
Te Mania Limitless	Angus	NZE16932015380	281.5	37.0	81.1	163	279	421	79.3	286	380
Beechwood In Time 7	Hereford	0051180007	281.9	34.9	80.8	169	287	423	78.6	282	334
Mahuta Ocean 8073	Hereford	0828188073	280.2	36.9	82.1	175	289	434	76.3	293	340
Wirruna Matty M288	Hereford	AUWNAM288	278.1	36.4	82.3	168	285	433	76.8	289	347
Aschwood Black Sambo 501	South Devon	RVA15501 PZK	279.3	36.8	82.9	165	278	422	76.8	287	337
Focus Prophet S36	Stabilizer	N/A	280.9	36.5	78.3	170	265	410	77.1	284	341
Focus Stabilizer 5004 (red)	Stabilizer	N/A	281.1	37.5	83.0	171	292	427	79.2	291	364
Focus Trinity 135263	Stabilizer	N/A	281.4	35.8	82.0	173	282	422	79.4	284	382
Stabilizer 165303	Stabilizer	N/A	278.7	34.7	78.7	170	281	416	77.7	285	355

Note: Bulls are listed alphabetically within breed. Rissington Protégé 110002 was used at Limestone Downs only and does not have ultrasound records on his progeny. Bulls with values highlighted indicate they are within the top 20% of tested bulls for that trait.

Table 6. All round performance of up-and-coming sires (sires of progeny born 2022 or 2023).

For bulls that do not have progeny old enough for processing yet, live weight at 600 days (2022-born) or 200 days (2023-born) was considered in place of carcass traits. There are nine bulls in the Progeny Test that meet the following criteria: birth weight less than 40 kg, gestation length no more than 282 days, 600-day weight (2022-sires only) or 200-day weight (2023-sires only) above average (416 and 167 kg respectively).

Sire Name	Breed	Animal Identification	Gestation length (days)	Birth weight (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)
Kakahu 20085 (Kakahu Project)	Angus	NZE13300020085	277.9	34.5	79.7	171	-	-
Totaranui Cash Deal Q208	Angus	12922019Q208	278.2	34.6	82.6	169	-	-
Kakahu Milestone	Charolais	001190600E	280.3	38.6	76.2	173	-	-
Ardo Ajax 9136	Hereford	0277199136	281.4	34.2	85.7	170	279	423
Beechwood Doubtless	Hereford	0051140527	280.3	37.6	81.9	169	285	435
Flagstaff Klingon P6	Hereford	0759180006	281.5	39.6	80.4	171	287	429
Kairaumati Hudson 1789	Hereford	1483170089	281.8	38.0	80.3	168	277	420
Chequers Qudos Q4	Murray Grey	2548190004	280.3	34.1	85.2	166	283	425
Waikite H2002	Simmental	N/A	280.2	36.4	80.4	176	295	435

Note: Bulls are listed alphabetically within breed. Bulls with values highlighted indicate they are within the top 20% of tested bulls for that trait.

b. Carcase weight and marbling (sires of progeny born 2020 or earlier).

Table 7. Top 20 bulls for carcase weight (that have had at least 10 progeny processed).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Rissington New Standard AU158	Simmental	0049AU0158	278.7	39.3	75.4	177	301	443	78.6	303	292	4.7
Kakahu Gerry 140506	Charolais	001140506E	282.6	39.4	74.6	180	310	456	79.2	302	288	4.8
Kerrah Fortress F326	Simmental	1667AF0326	283.9	38.1	74.8	175	294	439	78.4	299	286	4.0
Beechwood Doubtless	Hereford	0051140527	280.3	37.6	81.9	169	285	435	-	297	291	6.8
Focus Stabilizer 165287	Stabilizer	N/A	282.1	36.9	79.1	178	299	434	77.2	297	341	5.2
Storth Oaks H41	Angus	19507012H41	279.8	40.4	78.7	170	284	429	-	296	317	4.6
Leafland E121	Simmental	1614AE0121	282.5	39.0	77.7	173	289	442	78.4	296	314	4.3
Mahuta Ocean 8073	Hereford	0828188073	280.2	36.9	82.1	175	289	434	76.3	293	340	6.4
Glenside Crumpy C4	Simmental	1312AC0004	280.4	37.1	77.3	177	293	435	79.0	293	328	4.6
Janefield Ed	Simmental	1671AE0001	284.0	39.7	78.2	177	295	430	80.5	293	303	4.7
Limehills Awesome X117	Hereford	0677020117	287.0	45.3	74.7	177	290	437	-	292	190	2.0
Focus 171293	Angus	NZE194730171293	280.6	38.5	78.6	169	284	422	77.0	291	372	4.9
Focus 173075	Angus	NZE194990173075	277.9	36.5	79.7	171	294	429	76.9	291	355	5.5
Storth Oaks M33	Angus	NZE19507012H41	279.9	36.2	77.5	174	291	428	78.0	291	342	4.8
Focus Stabilizer 5004 (Red)	Stabilizer	N/A	281.1	37.5	83.0	171	292	427	79.2	291	364	5.4
Increva PP	Fleckvieh	10/171930	288.2	41.4	75.1	166	279	419	75.8	290	307	4.0
Matariki 110637	Hereford	0281110637	283.2	39.4	78.9	168	287	432	77.0	290	340	5.2
Koanui Briton 2044	Hereford	0216122044	284.6	37.5	77.0	171	286	427	76.3	290	286	6.3
Jipidji	Normande	FR5350920122	278.7	37.6	83.7	166	284	424	75.0	289	308	4.0
Flagstaff Big Red E8	Hereford	0759090008	283.6	41.0	82.0	167	284	432	-	289	264	5.4

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny.

Table 8. Top 20 bulls for marbling score (that have had at least 10 progeny processed).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Seven Hills 85/15	Angus	NZE21159015085	280.6	35.2	88.8	158	270	399	79.1	274	446	5.5
Focus Cracker 4025	Angus	NZE194810184025	282.7	37.8	80.2	171	278	415	79.3	288	438	5.6
Storth Oaks M64	Angus	NZE19507016M64	278.1	33.1	85.1	170	288	423	80.2	281	415	6.5
Waitangi M203	Angus	NZE18954016M203	279.2	36.5	80.0	166	281	409	77.4	280	412	5.4
Rissington 160043	Angus	NZE145720160043	275.9	33.2	83.6	165	269	409	79.4	281	412	5.8
Rissington C200	Angus	NZE14572015C200	278.7	33.5	79.5	170	284	418	78.9	287	407	5.8
Storth Oaks Angus Prime K5	Angus	NZE19507014K5	278.4	35.9	85.5	155	259	391	79.0	272	404	6.2
Te Mania Matrix	Angus	NZE16932016018	281.2	36.8	82.0	169	279	414	79.6	278	396	5.4
Ngaputahi P219	Angus	NZE21095018P219	282.1	36.0	81.7	163	273	410	79.8	272	394	5.3
Focus Stabilizer S183 (black)	Stabilizer	N/A	284.9	35.2	83.9	172	288	427	77.6	282	392	6.2
Maungahina Kidmans Cove	Speckle park	Mau K247	288.0	39.3	82.1	165	268	398	79.6	272	391	5.7
Limehills Streaker 150368	Hereford	0677150368	284.3	38.2	80.4	172	287	425	76.3	283	386	6.3
Storth Oaks K122	Angus	NZE19507014K122	279.2	35.7	83.8	163	275	416	77.0	286	385	5.9
Focus Trinity 135263	Stabilizer	N/A	281.4	35.8	82.0	173	282	422	79.4	284	382	5.0
Totara Hill Steak House N6	Speckle park	N/A	285.0	39.4	78.0	166	272	399	77.8	270	382	6.1
Glanworth 17013	Angus	12154017013	277.2	32.5	88.9	164	276	416	78.5	280	382	6.1
Yavenvale Nockout N312	Hereford	YAVN312	283.0	38.7	78.9	166	272	413	75.5	288	381	5.8
Te Mania Limitless	Angus	NZE16932015380	281.5	37.0	81.1	163	279	421	79.3	286	380	5.8
Focus 193013	Angus	NZE194990193013	281.4	33.7	91.3	161	259	387	80.1	269	379	5.0
Tinopai VJ Awhitu 1373	Red Devon	172917037	282.5	38.3	80.7	157	267	392	78.2	251	372	4.9

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny.

c. 600-day weight (sires of progeny born 2022 or earlier)

Table 9. Top 20 bulls for 600-day weight (that have had at least 10 progeny reach 600 days of age).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Kakahu Gerry 140506	Charolais	001140506E	282.6	39.4	74.6	180	310	456	79.2	302	288	4.8
Rissington New Standard AU158	Simmental	0049AU0158	278.7	39.3	75.4	177	301	443	78.6	303	292	4.7
Leafland E121	Simmental	1614AE0121	282.5	39.0	77.7	173	289	442	78.4	296	314	4.3
Kerrah Fortress F326	Simmental	1667AF0326	283.9	38.1	74.8	175	294	439	78.4	299	286	4.0
Limehills Awesome X117	Hereford	0677020117	287.0	45.3	74.7	177	290	437	-	292	190	2.0
Waikite H2002	Simmental		280.2	36.4	80.4	176	295	435	-	-	-	-
Beechwood Doubtless	Hereford	0051140527	280.3	37.6	81.9	169	285	435	-	297	291	6.8
Koanui Bedford 4081	Hereford	0216144081	282.5	40.7	77.3	171	286	435	-	288	259	3.7
Glenside Crumpy C4	Simmental	1312AC0004	280.4	37.1	77.3	177	293	435	79.0	293	328	4.6
Mahuta Ocean 8073	Hereford	0828188073	280.2	36.9	82.1	175	289	434	76.3	293	340	6.4
Focus Stabilizer 165287	Stabilizer	N/A	282.1	36.9	79.1	178	299	434	77.2	297	341	5.2
Rissington Protégé 110002	Angus	145720110002	278.4	37.4	79.5	171	288	433	-	287	340	4.0
Wirruna Matty M288	Hereford	AUWNAM288	278.1	36.4	82.3	168	285	433	76.8	289	347	6.2
Koanui Unanimous 0408	Hereford	0216100408	283.7	39.9	77.1	172	290	432	-	289	246	3.9
Orari Gorge Tarzan 190091	Hereford	0400190091	282.5	38.7	80.5	172	292	432	-	-	-	-
Flagstaff Big Red E8	Hereford	0759090008	283.6	41.0	82.0	167	284	432		289	264	5.4
Matariki 110637	Hereford	0281110637	283.2	39.4	78.9	168	287	432	77.0	290	340	5.2
Stabilizer 16S38	Stabilizer	N/A	282.6	35.0	77.1	174	293	432	74.9	283	331	4.8
Janefield Ed	Simmental	1671AE0001	284.0	39.7	78.2	177	295	430	80.5	293	303	4.7
Storth Oaks H41	Angus	NZE19507012H41	279.8	40.4	78.7	170	284	429	-	296	317	4.6

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny. Bulls with progeny born in 2022 do not have a full record yet.

d. 400-day weight (sires of progeny born 2022 or earlier)

Table 10. Top 20 bulls for 400-day weight (that have had at least 10 progeny reach 400 days of age).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Kakahu Gerry 140506	Charolais	001140506E	282.6	39.4	74.6	180	310	456	79.2	302	288	4.8
Rissington New Standard AU158	Simmental	0049AU0158	278.7	39.3	75.4	177	301	443	78.6	303	292	4.7
Focus Stabilizer 165287	Stabilizer	N/A	282.1	36.9	79.1	178	299	434	77.2	297	341	5.2
Janefield Ed	Simmental	1671AE0001	284.0	39.7	78.2	177	295	430	80.5	293	303	4.7
Waikite H2002	Simmental		280.2	36.4	80.4	176	295	435	-	-	-	-
Kerrah Fortress F326	Simmental	1667AF0326	283.9	38.1	74.8	175	294	439	78.4	299	286	4.0
Focus 173075	Angus	194990173075	277.9	36.5	79.7	171	294	429	76.9	291	355	5.5
Stabilizer 16S38	Stabilizer	N/A	282.6	35.0	77.1	174	293	432	74.9	283	331	4.8
Glenside Crumpy C4	Simmental	1312AC0004	280.4	37.1	77.3	177	293	435	79.0	293	328	4.6
Orari Gorge Tarzan 190091	Hereford	0400190091	282.5	38.7	80.5	172	292	432	-	-	-	-
Focus Stabilizer 5004 (red)	Stabilizer	N/A	281.1	37.5	83.0	171	292	427	79.2	291	364	5.4
Storth Oaks M33	Angus	NZE1950716M33	279.9	36.2	77.5	174	291	428	78.0	291	342	4.8
Koanui Unanimous 0408	Hereford	0216100408	283.7	39.9	77.1	172	290	432	-	289	246	3.9
Limehills Awesome X117	Hereford	0677020117	287.0	45.3	74.7	177	290	437	-	292	190	2.0
Storth Oaks K134	Angus	NZE19507014K134	279.1	42.3	78.9	170	290	449		306	286	1.8
Leafland E121	Simmental	1614AE0121	282.5	39.0	77.7	173	289	442	78.4	296	314	4.3
Mahuta Ocean 8073	Hereford	0828188073	280.2	36.9	82.1	175	289	434	76.3	293	340	6.4
Rissington Protégé 110002	Angus	NZE145720110002	278.4	37.4	79.5	171	288	433	-	287	340	4.0
Storth Oaks M64	Angus	NZE19507016M64	278.1	33.1	85.1	170	288	423	80.2	281	415	6.5
Focus Stabilizer S183 (black)	Stabilizer	N/A	284.9	35.2	83.9	172	288	427	77.6	282	392	6.2

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny.

e. 200-day weight (sires of progeny born 2022 or earlier)

Table 11. Top 20 bulls for 200-day weight (that have had at least 10 progeny reach 200 days of age).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Kakahu Gerry 140506	Charolais	001140506E	282.6	39.4	74.6	180	310	456	79.2	302	288	4.8
Focus Stabilizer 165287	Stabilizer	N/A	282.1	36.9	79.1	178	299	434	77.2	297	341	5.2
Riverton Easter 19 29	Hereford	0091190029	282.4	41.2	72.5	177	-	-	-	-	-	-
Janefield Ed	Simmental	1671AE0001	284.0	39.7	78.2	177	295	430	80.5	293	303	4.7
Glenside Crumpy C4	Simmental	1312AC0004	280.4	37.1	77.3	177	293	435	79.0	293	328	4.6
Limehills Awesome X117	Hereford	0677020117	287.0	45.3	74.7	177	290	437	-	292	190	2.0
Rissington New Standard AU158	Simmental	0049AU0158	278.7	39.3	75.4	177	301	443	78.6	303	292	4.7
Waikite H2002	Simmental		280.2	36.4	80.4	176	295	435	-	-	-	-
Kerrah Fortress F326	Simmental	1667AF0326	283.9	38.1	74.8	175	294	439	78.4	299	286	4.0
Mahuta Ocean 8073	Hereford	0828188073	280.2	36.9	82.1	175	289	434	76.3	293	340	6.4
Earnsclough Tussock 144307	Angus	210130144307	279.8	38.1	81.6	174	283	427	77.7	285	325	4.7
Storth Oaks M33	Angus	NZE1950716M33	279.9	36.2	77.5	174	291	428	78.0	291	342	4.8
Stabilizer 16S38	Stabilizer	N/A	282.6	35.0	77.1	174	293	432	74.9	283	331	4.8
Kakahu Milestone	Charolais	001190600E	280.3	38.6	76.2	173	-	-	-	-	-	-
Leafland E121	Simmental	1614AE0121	282.5	39.0	77.7	173	289	442	78.4	296	314	4.3
Focus Trinity 135263	Stabilizer	N/A	281.4	35.8	82.0	173	282	422	79.4	284	382	5.0
Focus 20S028 (BLACK)	Stabilizer	N/A	277.6	34.2	83.0	173	279	411	-	-	-	-
Limehills Streaker 150368	Hereford	0677150368	284.3	38.2	80.4	172	287	425	76.3	283	386	6.3
Kanuka Paddington 2003	Hereford	1433202003	282.5	37.0	83.7	172	279	414	-	-	-	-
Koanui Rocket 0219	Hereford	0216000219	283.6	38.1	81.2	172	285	424	75.9	287	281	5.4

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny. Bulls with progeny born in 2022 or 2023 do not have a full record yet.

f. Calving and Rearing traits (sires of progeny born 2023 or earlier)

Table 12. Top 20 bulls for birth weight (for bulls that have had at least 10 progeny born).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Glanworth 17013	Angus	12154017013	277.2	32.5	88.9	164	276	416	78.5	280	382	6.1
Storth Oaks M64	Angus	NZE19507016M64	278.1	33.1	85.1	170	288	423	80.2	281	415	6.5
Rissington 160043	Angus	145720160043	275.9	33.2	83.6	165	269	409	79.4	281	412	5.8
Rissington C200	Angus	14572015C200	278.7	33.5	79.5	170	284	418	78.9	287	407	5.8
Focus 193013	Angus	194990193013	281.4	33.7	91.3	161	259	387	80.1	269	379	5.0
Shrimptons Hill 170045	Hereford	0300170045	275.5	33.8	92.4	154	255	385	-	-	-	-
Ploughbright Fennessy	Aus Lowline	QLRF046	279.9	34.1	93.0	153	257	375	78.8	244	350	6.1
Chequers Qudos Q4	Murray Grey	2548190004	280.3	34.1	85.2	166	283	425	-	-	-	-
Ardo Ajax 9136	Hereford	0277199136	281.4	34.2	85.7	170	279	423	-	-	-	-
Focus 20S028 (BLACK)	Stabilizer	N/A	277.6	34.2	83.0	173	279	411	-	-	-	-
Ardo Ajax 7086	Hereford	0277177086	280.7	34.2	87.9	159	272	408	76.4	279	340	5.7
Te Whanga 16-039	Angus	10752016039	278.6	34.3	90.7	155	268	401	77.5	274	352	7.1
Linton 16-107	Angus	107/16	282.3	34.4	81.8	166	277	404	76.7	273	364	5.4
Stabilizer 19S180	Stabilizer	N/A	282.3	34.5	78.9	171	-	-	-	-	-	-
Kakahu Project	Angus	NZE13300020085	277.9	34.5	79.7	171	-	-	-	-	-	-
Totaranui Cash Deal Q208	Angus	12922019Q208	278.2	34.6	82.6	169	-	-	-	-	-	-
Storth Oaks L26	Angus	19507015L26	278.9	34.7	85.5	166	265	402	77.2	269	300	5.8
Stabilizer 165303	Stabilizer	165303/16	278.7	34.7	78.7	170	281	416	77.7	285	355	5.1
Beechwood In Time 7	Hereford	0051180007	281.9	34.9	80.8	169	287	423	78.6	282	334	6.2
Ardo Ajax 5014	Hereford	0277155014	281.4	35.0	85.8	167	282	413	78.8	283	332	5.7

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny. Bulls with progeny born in 2022 or 2023 do not have a full record yet.

Table 13. Top 20 bulls for age at weaning (for bulls that have had at least 10 progeny reach weaning).

Age at weaning has a significant impact on the cost of rearing calves.

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Riverton Easter 19 29	Hereford	0091190029	282.4	41.2	72.5	177	-	-	-	-	-	-
Ngakouka Patu 2020	Hereford	1557200020	284.3	41.5	72.6	171	-	-	-	-	-	-
Kakahu Gerry 140506	Charolais	001140506E	282.6	39.4	74.6	180	310	456	79.2	302	288	4.8
Limehills Awesome X117	Hereford	0677020117	287.0	45.3	74.7	177	290	437	-	292	190	2.0
Kerrah Fortress F326	Simmental	1667AF0326	283.9	38.1	74.8	175	294	439	78.4	299	286	4.0
Limehills Stamper	Hereford	0677110428	285.2	41.7	74.9	169	275	418	-	276	236	2.9
Increva PP	Fleckvieh	10/171930	288.2	41.4	75.1	166	279	419	75.8	290	307	4.0
Rissington New Standard AU158	Simmental	0049AU0158	278.7	39.3	75.4	177	301	443	78.6	303	292	4.7
Kakahu Milestone	Charolais	001190600E	280.3	38.6	76.2	173	-	-	-	-	-	-
Koanui Briton 2044	Hereford	0216122044	284.6	37.5	77.0	171	286	427	76.3	290	286	6.3
Stabilizer 16S38	Stabilizer	16S38/16	282.6	35.0	77.1	174	293	432	74.9	283	331	4.8
Koanui Unanimous 0408	Hereford	0216100408	283.7	39.9	77.1	172	290	432	-	289	246	3.9
Orari Gorge Upper Hutt 200095	Hereford	0400200095	283.4	40.0	77.1	168	-	-	-	-	-	-
Beechwood Imposer 44	Hereford	0051180044	279.7	38.0	77.3	170	280	424	77.6	283	318	5.8
Koanui Bedford 4081	Hereford	0216144081	282.5	40.7	77.3	171	286	435	-	288	259	3.7
Glenside Crumpy AC4	Simmental	1312AC0004	280.4	37.1	77.3	177	293	435	79.0	293	328	4.6
Storth Oaks M33	Angus	NZE1950716M33	279.9	36.2	77.5	174	291	428	78.0	291	342	4.8
Koanui Sizzler R039	Hereford	216200039	283.7	38.9	77.6	171	-	-	-	-	-	-
Leafland E121	Simmental	1614AE0121	282.5	39.0	77.7	173	289	442	78.4	296	314	4.3
Totara Hill Steak House N6	Speckle park	N/A	285.0	39.4	78.0	166	272	399	77.8	270	382	6.1

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny. Bulls with progeny born in 2022 or 2023 do not have a full record yet.

g. Calving traits (sires of progeny born 2021 or earlier)

Table 14. Top 20 bulls for gestation length (for bulls that have had at least 10 progeny born).

Sire Name	Breed	Animal Identification	Gest. length (days)	Birth wt. (kg)	Weaning Age (days)	200-day wt. (kg)	400-day wt. (kg)	600-day wt. (kg)	Ultrasound* EMA (cm ²)	CCS wt. (kg)	Marbling score	Rib Fat Depth (mm)
Shrimptons Hill 170045	Hereford	0300170045	275.5	33.8	92.4	154	255	385	-	-	-	-
Rissington 160043	Angus	NZE145720160043	275.9	33.2	83.6	165	269	409	79.4	281	412	5.8
Bluestone 140027	Hereford	1683140027	276.4	38.3	84.9	165	272	411	-	277	335	3.9
Seven Hills 173	Angus	NZE21159006173	276.5	37.3	86.7	161	265	404	-	267	281	3.1
Glanworth 17013	Angus	12154017013	277.2	32.5	88.9	164	276	416	78.5	280	382	6.1
Bruno van de Plashoeve	Belgian Blue	NL671357027	277.2	39.5	81.7	157	271	401	78.7	283	251	3.5
Seven Hills 379/18	Angus	NZE21159018379	277.4	35.7	87.3	162	278	408	-	-	-	-
Matauri Reality 839	Angus	14647008839	277.5	37.8	81.3	163	272	410	-	276	347	3.9
Focus 20S028 (BLACK)	Stabilizer	N/A	277.6	34.2	83.0	173	279	411	-	-	-	-
Focus 173075	Angus	194990173075	277.9	36.5	79.7	171	294	429	76.9	291	355	5.5
Kakahu Project	Angus	NZE13300020085	277.9	34.5	79.7	171	-	-	-	-	-	-
Wirruna Matty M288	Hereford	AUWNAM288	278.1	36.4	82.3	168	285	433	76.8	289	347	6.2
Bluestone 140015	Hereford	1683140015	278.1	40.9	86.0	160	269	420	-	285	307	2.2
Storth Oaks Everest J20	Angus	NZE19507013J20	278.1	37.5	85.7	167	276	415	-	281	354	5.3
Storth Oaks M64	Angus	NZE19507016M64	278.1	33.1	85.1	170	288	423	80.2	281	415	6.5
Flagstaff Dynamo	Hereford	759110006	278.2	37.7	85.4	165	275	416	-	275	296	4.8
Hiwiroa Patriach 14044	Shorthorn	232314044	278.2	37.4	82.7	167	273	402	76.9	279	303	4.8
Totaranui Cash Deal Q208	Angus	12922019Q208	278.2	34.6	82.6	169	-	-	-	-	-	-
Rissington Protégé 110002	Angus	NZE145720110002	278.4	37.4	79.5	171	288	433	-	287	340	4.0
Storth Oaks Angus Prime K5	Angus	NZE19507014K5	278.4	35.9	85.5	155	259	391	79.0	272	404	6.2

*Bulls used at Limestone Downs only do not have ultrasound records on their progeny. Bulls with progeny born in 2022 or 2023 do not have a full record yet.