B+LNZ Genetics Central Progeny Test

Progressive Meats Ltd Next Generation Progeny Test Results
Horizon Farming's Maraetotara property
2018 Cohort

B+LNZ Genetics Central Progeny Test

B+LNZ Genetics Central Progeny Test (CPT) currently involves over 200 rams, across eight sites. The benchmarks created by this test underpin NZGE – the weekly large-scale across-flock and across-breed evaluation.

In 2016, the test's focus was adjusted further towards more commercial hill country environments (where most of New Zealand's sheep flock are now farmed) and – in partnership with industry – "Next Generation" flocks were introduced.
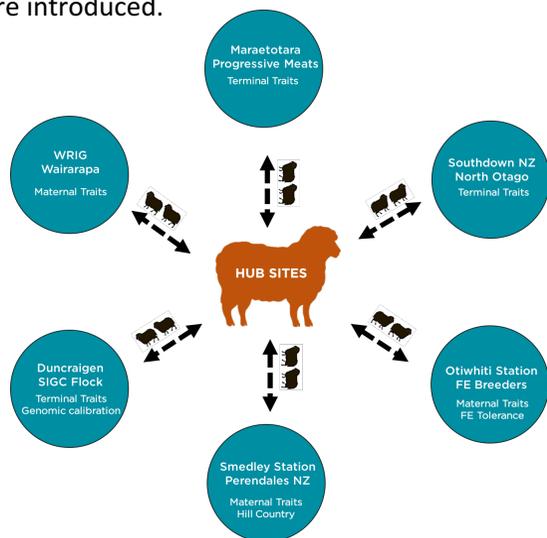
Progressive Meats, Horizon Farming and B+LNZ Genetics established a Next Generation site to compare the performance of various terminal rams' offspring under commercial farming conditions.

Progeny are monitored for growth rate, before being processed and measured for eating quality and yield through Progressive Meats' grading system. Now the revised Meat Module is fully implemented, results are fed directly into the New Zealand Genetic Evaluation (NZGE).

Acknowledgements

Contact

For further questions about B+LNZ Genetics CPT contact Annie O'Connell:

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The results table explained

- All values are sourced from the NZGE Single Step run 15 Feb 2019.

- NZ Terminal Worth (NZTW) is comprised of Terminal Sire Survival (TSS), Terminal Sire Growth (TSG) and Terminal Sire Meat Yield (TSM)

- Across flock values are benchmarked values and valid to compare across flocks. A number of sires do not have across flock values as there was insufficient data collected on the home flock for benchmarking. The "Within flock" values have been provided to allow those animals to view some of their results, but it is not a valid comparison across flocks.

- The IMF research breeding value (IMF rBV) is derived from hyperspectral or near infra-red imaging methods in plant. In order to accurately compare across collection years these values need to be calibrated with wet chemistry intramuscular fat values on 10% of the samples. This will not be completed until July 2019. In the meantime, preliminary IMF research breeding values have been provided – but are to be used with caution.

- In accordance with the ram supply agreement, all submitted rams (in order of Terminal Worth) have been reported.

NZTW sourced from NZGE

Within flock values (unconnected values)

Year used	SIL ID	GENETIC VISION	NZTW Across Flock	TSS Across Flock	TSG Across Flock	TSM Across Flock	IMF research BV	NZTW Within Flock	TSS Within Flock	TSG Within Flock	TSM Within Flock	n Progeny (birth flock/total)
2016	3421.14/15	Charollais	1142	-34	869	307	0.199	1142	-34	869	307	0/52
2016	3421.555/15	Charollais	921	-110	668	363	0.340	921	-110	668	363	35/86
2016	4879.12/15	Composite					-0.056	632	-1	317	316	0/38
2016	4879.13/15	Composite					-0.011	340	-1	255	85	0/16
2016	4879.15/15	Composite					0.597	840	-1	510	331	0/15

Across flock values (connected values)

beef+lamb new zealand GENETICS

Results Table

Year used	SIL ID	Genetic Vision	NZTW ACROSS FLOCK	TSS ACROSS FLOCK	TSG ACROSS FLOCK	TSM ACROSS FLOCK	IMF RESEARCH BV	NZTW WITHIN FLOCK	TSS WITHIN FLOCK	TSG WITHIN FLOCK	TSM WITHIN FLOCK	n Progeny (birth flock/total)
2018	4880.60665/17	Kelso Terminal	2373	202	1508	664	0.275	2373	202	1508	664	0/37
2017	3003.1124/16	FocusPrime	2264	81	1196	987	0.118	2264	81	1196	987	0/171
2018	3003.1150/17	FocusPrime	2238	166	1103	969	0.088	2238	166	1103	969	0/16
2017	20.22/15	Suffolk	2233	265	1304	664	0.431	2233	265	1304	664	0/164
2016	2608.14/14	Texel	2223	83	1221	919	0.278	2223	83	1221	919	135/442
2017	4588.279/16	FocusPrime	2168	264	1253	650	no value	2168	264	1253	650	0/8
2018	4588.P725/17	FocusPrime	2127	238	1158	730	no value	2127	238	1158	730	0/35
2017	699.48/16	Poll Dorset	2101	92	1401	608	0.000	2101	92	1401	608	0/2
2016	746.149/15	South Suffolk	2039	53	1111	874	0.038	2039	53	1111	874	214/321
2018	4588.P99/17	FocusPrime	2023	217	1070	737	no value	2023				0/12
2017	3003.1431/16	FocusPrime	2020	402	939	679	0.297	2020	402	939	679	0/156
2018	1101.65/17	Poll Dorset	1994	36	1252	706	0.428	1994	36	1252	706	0/53
2016 & 2017	4588.734/15	FocusPrime	1992	150	1151	692	no value	1992	150	1151	692	0/189
2017	1101.88/16	Poll Dorset	1959	-91	1205	845	0.213	1959	-91	1205	845	0/16
2016	1101.94/15	Poll Dorset	1947	2	1207	738	0.349	1947	2	1207	738	0/45
2018	4880.60871/17	Kelso Terminal	1895	151	1191	552	0.274	1895	151	1191	552	0/13
2016 & 2017	2773.7/15	Poll Dorset	1890	77	1105	707	0.048	1890	77	1105	707	70/378
2018	3007.5397/17	Texel	1878	173	987	718	0.023	1878	173	987	718	0/5
2017	4588.P338/16	FocusPrime	1860	302	1001	558	no value	1860	302	1001	558	0/56
2016	2747.ML118/14	SufTex	1813	122	1092	599	no value	1813	122	1092	599	209/841
2017 & 2018	4880.60165/16	Kelso Terminal	1806	171	885	749	0.190	1806	171	885	749	0/184
2016	3003.2118/15	FocusPrime	1793	190	977	626	0.398	1793	190	977	626	0/36
2016	699.51/15	Poll Dorset	1792	145	964	683	no value	1792	145	964	683	134/260
2018	4765.161/17	Poll Dorset	1758	89	1254	415	0.414	1758	89	1254	415	0/34
2018	4880.60450/17	Kelso Terminal	1746	84	1054	607	0.590	1746	84	1054	607	0/63
2017	4880.60981/16	Kelso Terminal	1742	109	938	695	0.227	1742	109	938	695	0/20
2016	3003.2018/15	FocusPrime	1723	236	748	740	0.512	1723	236	748	740	0/37

Results Table

Within flock values (unconnected values)

Year used	SIL ID	Genetic Vision	NZTW ACROSS FLOCK	TSS ACROSS FLOCK	TSG ACROSS FLOCK	TSM ACROSS FLOCK	IMF RESEARCH BV	NZTW WITHIN FLOCK	TSS WITHIN FLOCK	TSG WITHIN FLOCK	TSM WITHIN FLOCK	n Progeny (birth flock/total)
2017	4880.60960/16	Kelso Terminal	1714	164	1014	536	-0.038	1714	164	1014	536	0/61
2017	3007.5487/16	Texel	1706	204	777	725	0.201	1706	204	777	725	0/16
2016	2773.90/15	Poll Dorset	1690	-7	1074	623	0.184	1690	-7	1074	623	0/44
2017	4765.77/16	Poll Dorset	1686	153	933	600	-0.282	1686	153	933	600	0/30
2018	2661.891/17	Composite	1670	63	723	884	-0.164	1670	63	723	884	0/8
2018	4880.60768/16	Kelso Terminal	1643	-97	1141	599	-0.035	1643	-97	1141	599	59/148
2017	20.18/16	Suffolk	1627	161	1196	271	0.207	1627	161	1196	271	0/43
2018	20.49/17	Suffolk	1610	88	1155	366	0.000	1610	88	1155	366	0/3
2018	4765.42/17	Poll Dorset	1575	95	1058	422	-0.072	1575	95	1058	422	0/23
2017	2661.647/16	Composite	1574	42	690	843	-0.696	1574	42	690	843	0/21
2016	4880.60178/15	Kelso Terminal	1573	153	884	536	-0.137	1573	153	884	536	1/69
2017	3499.107/16	Charollais	1561	1	1017	544	-0.391	1561	1	1017	544	0/60
2017	2554.672/16	Texel	1542	117	980	446	0.205	1542	117	980	446	0/52
2017	4765.140/16	Poll Dorset	1540	30	984	526	-0.259	1540	30	984	526	0/39
2016	746.186/15	South Suffolk	1511	116	797	598	-0.033	1511	116	797	598	147/151
2018	2661.1111/17	Composite	1496	80	620	796	0.061	1496	80	620	796	0/7
2017	3007.5028/16	Texel	1492	153	723	616	-0.055	1492	153	723	616	0/34
2016	4880.60168/15	Kelso Terminal	1483	154	866	463	-0.104	1483	154	866	463	0/64
2018	20.50/17	Suffolk	1477	122	1061	293	0.340	1477	122	1061	293	0/63
2018	3003.1026/17	FocusPrime	1474	227	825	422	-0.275	1474	227	825	422	0/41
2016	2661.773/15	Composite	1470	-7	764	712	-0.216	1470	-7	764	712	33/59
2017	3421.294/16	Charollais	1466	-67	887	646	0.394	1466	-67	887	646	0/8
2017	4765.165/16	Poll Dorset	1458	20	951	487	-0.110	1458	20	951	487	0/13
2016	3552.S306/14	SufTex	1437	53	888	496	-0.260	1437	53	888	496	310/401
2018	3421.552/17	Charollais	1430	-140	963	607	-0.025	1430	-140	963	607	0/50
2017	3499.176/16	Charollais	1429	-112	861	680	-0.018	1429	-112	861	680	0/22
2018	4448.62/17	Southdown	1401	47	893	461	0.270	1401	47	893	461	0/9
2017 & 2018	20.28/16	Suffolk	1396	194	837	365	0.311	1396	194	837	365	0/167

Results Table

Within flock values
(unconnected values)

Year used	SIL ID	Genetic Vision	NZTW ACROSS FLOCK	TSS ACROSS FLOCK	TSG ACROSS FLOCK	TSM ACROSS FLOCK	IMF RESEARCH BV	NZTW WITHIN FLOCK	TSS WITHIN FLOCK	TSG WITHIN FLOCK	TSM WITHIN FLOCK	n Progeny (birth flock/total)
2017	20.83/16	Suffolk	1395	109	780	506	-0.035	1395	109	780	506	0/60
2016	746.164/15	South Suffolk	1380	48	812	521	-0.009	1380	48	812	521	0/14
2016	3552.S367/14	SufTex	1375	146	605	623	0.195	1375	146	605	623	112/133
2018	2661.861/17	Composite	1365	25	816	523	0.016	1365	25	816	523	0/28
2016	4880.60464/15	Kelso Terminal	1364	-61	851	575	-0.146	1364	-61	851	575	0/40
2017	4448.126/15	Southdown	1358	30	995	333	0.000	1358	30	995	333	0/2
2016	4880.60094/15	Kelso Terminal	1349	31	730	588	-0.202	1349	31	730	588	0/43
2016	827.418/14	SufTex	1329	131	848	350	0.585	1329	131	848	350	305/505
2018	3007.5285/17	Texel	1324	196	722	406	0.068	1324	196	722	406	0/27
2016	746.160/15	South Suffolk	1309	90	880	339	-0.189	1309	90	880	339	0/89
2017	2773.47/16	Poll Dorset	1300	-55	792	562	0.373	1300	-55	792	562	17/68
2018	20.94/17	Suffolk	1252	161	765	325	0.077	1252	161	765	325	0/35
2016	4563.592/14	Poll Dorset	1237	141	611	485	0.132	1237	141	611	485	63/116
2016	746.928/15	South Suffolk	1200	129	680	391	-0.245	1200	129	680	391	66/76
2018	4448.25/17	Southdown	1194	63	897	235	-0.017	1194	63	897	235	0/16
2016	3421.14/15	Charollais	1142	-34	869	307	0.199	1142	-34	869	307	0/52
2017	3421.445/16	Charollais	1138	-94	573	658	0.474	1138	-94	573	658	0/55
2016	4737.157/15	Texel	1095	137	685	272	0.184	1095	137	685	272	80/113
2018	3421.317/17	Charollais	1081	32	431	618	0.257	1081	32	431	618	0/60
2017	916.1542/16	Composite	1066	142	547	377	0.105	1066	142	547	377	0/52
2017	3499.190/16	Charollais	1020	-17	696	340	0.000	1020	-17	696	340	0/2
2018	4765.66/17	Poll Dorset	1008	117	666	225	0.342	1008	117	666	225	0/35
2017	916.1547/16	Composite	1006	133	522	350	0.175	1006	133	522	350	0/56
2017	2554.689/16	Texel	951	69	478	405	0.119	951	69	478	405	0/76
2016	3421.555/15	Charollais	921	-110	668	363	0.340	921	-110	668	363	35/86
2018	3421.426/17	Charollais	657	-130	437	351	0.152	657	-130	437	351	0/27
2018	1636.36/17	Dorset Down			667		0.028	937	48	667	222	0/57
2018	4980.38/17	Southdown			717		-0.265	1176	41	717	418	0/14

Year used	SIL ID	Genetic Vision	NZTW ACROSS FLOCK	TSS ACROSS FLOCK	TSG ACROSS FLOCK	TSM ACROSS FLOCK	IMF RESEARCH BV	NZTW WITHIN FLOCK	TSS WITHIN FLOCK	TSG WITHIN FLOCK	TSM WITHIN FLOCK	n Progeny (birth flock/total)
2018	4980.40/17	Southdown			1008		0.110	1496	52	1008	436	0/4
2018	1636.131/17	Dorset Down			711		0.287	899	40	711	149	0/52
2018	4707.352/16	Poll Dorset					0.136	1487	123	864	500	0/87
2018	2488.545/17	Southdown			859		0.077	1374	51	859	464	0/18
2018	4853.573/17	Dorset Down			707		0.281	1065	81	707	277	0/32
2018	4761.2067/16	Texel Suffolk			471		0.005	742	124	471	147	0/98
2018	4761.2250/16	Texel Suffolk			947		0.327	1139	48	947	143	0/78
2017	4881.66/16	South Suffolk					0.404	617	-14	302	329	0/9
2017	3508.G86/14	Poll Dorset		41	1153		0.346	1647	41	1153	453	78/179
2017	4462.121/15	Poll Dorset					0.099	1319	-69	1048	340	0/49
2017	4881.141/16	South Suffolk					0.466	716	27	426	264	0/12
2017	353.351/16	South Suffolk		28	1095		0.085	1630	28	1095	507	0/14
2017	353.431/16	South Suffolk		18	809		0.335	1203	18	809	376	0/34
2017	353.438/16	South Suffolk		14	897		0.147	1302	14	897	392	0/28
2017	3508.497/15	Poll Dorset		31	880		0.071	1133	31	880	222	0/104
2017	4767.600/16	Texel					0.507	1362	109	646	607	0/13
2016	1045.25/14	Dorper			438	516	0.281	910	-44	438	516	76/147
2016	1636.53/15	Dorset Down			1027		0.114	1319	79	1027	213	0/46
2016	1045.55/14	Dorper			294	279	0.109	696	123	294	279	44/137
2016	4707.122/14	Poll Dorset					0.012	1050	81	724	245	0/101
2016	1636.127/14	Dorset Down			657		0.149	815	-28	657	187	42/91
2016	4767.548/15	Texel					0.140	706	75	403	228	22/44
2016	4761.2033/14	Texel Suffolk			678		0.285	1099	30	678	391	6/85
2016	4761.2507/14	Texel Suffolk			1496		0.019	1978	181	1496	301	78/142
2016	4879.12/15	Composite					0.056	632	-1	317	316	0/38
2016	4879.13/15	Composite					0.011	340	-1	255	85	0/16
2016	4879.15/15	Composite					0.597	840	-1	510	331	0/15
2016	4462.24/15	Poll Dorset					0.354	861	-6	517	350	0/49
2016	105.234/07	Perendale	*579	*-153	*585	*148	*0.556	*579	*-153	*586	*146	263/2412
2016	2191.200/10	Romney	*574	*161	*534	*-122	*1.042	*569	*160	*530	*-121	844/2152

*In year one two maternal sires were used as link sires to the HUB. The values shown above for these two sires are reported for interest.