

## NZGE Indexes and gBVs - Terminal Sire - Sire Percentile Bands

**NZGE March 2023**

**SIL GE# 40730**

Sires with progeny born in

**2020-2022**

Threshold to be in top X%	NZTW	NZGE Terminal Sire Sub-indexes			NZGE Terminal Sire - estimated Breeding Values (gBV)										
		TSS	TSG	TSM	SUR	WWT	CWT	LW8 <sup>1</sup>	FATY	LEANY <sup>1</sup>	SHLY	LNLV	HQLY	CWY	EMAc <sup>1</sup>
5%	+2646	+336	+1554	+985	+0.040	+6.65	+3.58	+11.44	-1.224	+0.902	+0.400	+0.123	+0.417	+2.304	+2.098
10%	+2412	+280	+1403	+885	+0.033	+6.00	+3.23	+10.31	-1.063	+0.780	+0.344	+0.105	+0.357	+2.094	+1.791
20%	<b>+2129</b>	<b>+213</b>	<b>+1219</b>	<b>+764</b>	<b>+0.025</b>	<b>+5.20</b>	<b>+2.81</b>	<b>+8.96</b>	<b>-0.868</b>	<b>+0.632</b>	<b>+0.277</b>	<b>+0.082</b>	<b>+0.284</b>	<b>+1.840</b>	<b>+1.419</b>
30%	+1925	+164	+1086	+676	+0.020	+4.62	+2.50	+7.98	-0.727	+0.526	+0.228	+0.066	+0.231	+1.656	+1.151
50%	<b>+1588</b>	<b>+83</b>	<b>+867</b>	<b>+532</b>	<b>+0.010</b>	<b>+3.67</b>	<b>+1.99</b>	<b>+6.36</b>	<b>-0.495</b>	<b>+0.350</b>	<b>+0.147</b>	<b>+0.039</b>	<b>+0.145</b>	<b>+1.353</b>	<b>+0.707</b>
70%	+1251	+2	+649	+387	+0.000	+2.72	+1.49	+4.74	-0.262	+0.174	+0.067	+0.012	+0.058	+1.049	+0.263
80%	+1047	-46	+516	+300	-0.006	+2.15	+1.18	+3.76	-0.122	+0.067	+0.018	-0.004	+0.006	+0.866	-0.005
90%	+764	-114	+332	+178	-0.014	+1.35	+0.75	+2.41	+0.073	-0.081	-0.049	-0.027	-0.067	+0.611	-0.377
95%	+530	-170	+181	+78	-0.020	+0.69	+0.40	+1.29	+0.234	-0.203	-0.105	-0.046	-0.127	+0.401	-0.684
Traits in index or units	Lamb Survival, Lamb Growth, Meat Yield	Lamb Survival	Lamb Growth	Meat Yield	x100 =%	kg	kg	kg	kg fat	kg lean	kg lean	kg lean	kg lean	kg lean	sq. cm
Number of connected flocks	78	137	176	92	137	176	176	176	92	92	92	92	92	92	92
Number of sires	1594	2181	2531	1765	2181	2531	2531	2531	1765	1765	1765	1765	1765	1765	1765

<sup>1</sup>These BVs not used in standard SIL indexes

For an explanation of how to use this table, see the Web Note document on the NZGE web page on the SIL website ([www.sil.co.nz](http://www.sil.co.nz))  
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## NZGE Indexes - Dual Purpose - Sire Percentile Bands

**NZGE March 2023**

**SIL GE # 40730**

Sires with progeny born in **2020-2022**

Threshold to be in top X%	NZGE Dual Purpose Indexes						NZGE Dual Purpose Sub-indexes										
	NZMW	MW+W	MW +M	MW +F	MW +X	MW +D	DPCR	DPS	DPG	DPA	DPG+ DPA	DPM	DPW	DPF	DPX	DPD	DPBC
5%	+3362	+3493	+3920	+3622	+5454	+3380	+935	+1310	+2592	+340	+1967	+1083	+245	+909	+2759	+108	+1217
10%	+3054	+3188	+3553	+3258	+5007	+3067	+804	+1125	+2349	+157	+1765	+919	+208	+708	+2432	+84	+1022
20%	+2680	+2819	+3109	+2818	+4465	+2688	+645	+902	+2055	-65	+1521	+720	+163	+466	+2036	+56	+787
30%	+2410	+2553	+2789	+2501	+4075	+2415	+531	+740	+1843	-225	+1345	+577	+131	+291	+1751	+35	+617
40%	+2180	+2325	+2515	+2230	+3741	+2182	+433	+603	+1661	-362	+1194	+455	+103	+141	+1507	+18	+472
50%	+1965	+2112	+2260	+1977	+3429	+1964	+341	+474	+1492	-489	+1053	+340	+78	+2	+1279	+2	+336
60%	+1750	+1900	+2004	+1724	+3118	+1746	+250	+345	+1323	-617	+912	+226	+52	-138	+1051	-15	+201
70%	+1519	+1672	+1731	+1453	+2784	+1512	+152	+207	+1141	-754	+762	+103	+24	-287	+807	-32	+56
80%	+1250	+1406	+1411	+1135	+2393	+1239	+37	+46	+929	-914	+585	-40	-8	-462	+521	-53	-114
90%	+876	+1036	+967	+695	+1852	+860	-122	-177	+635	-1136	+341	-239	-52	-705	+125	-81	-350
95%	+567	+731	+600	+332	+1405	+547	-253	-362	+392	-1319	+139	-403	-89	-905	-202	-105	-544
Traits in Index	Reproduction, Survival, Lamb Growth, Adult size	Reproduction, Survival, Lamb Growth, Adult size, Wool	Reproduction, Survival, Lamb Growth, Adult size, Meat Yield	Reproduction, Survival, Lamb Growth, Adult size, WormFEC	Reproduction, Survival, Lamb Growth, Adult size, Wool, Facial Eczema	Reproduction, Survival, Lamb Growth, Adult size, Dag score	Reproduction "Capped"	Lamb Survival	Lamb Growth	Adult size	Lamb Growth + Adult size	Meat Yield	Wool	Internal parasite resistance - WormFEC	Facial Eczema	Dag score	Body condition score
Number of connected flocks	142	101	94	57	25	66	218	237	264	161	149	122	117	59	26	73	67
Number of sires	4059	3248	3162	1914	1043	2623	4946	5104	5325	4272	4121	3517	3426	1933	1076	2736	2413

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## NZGE Indexes - Dual Purpose+ Wool - Sire Percentile Bands

**NZGE March 2023**

**SIL GE # 40730**

Sires with progeny born in

**2020-2022**

Threshold to be in top X%	NZGE Dual Purpose MW+Wool Indexes									
	MW+W	MW+W+M	MW+W+F	MW+W+X	MW+W+BC	MW+W+D	MW+W+M+F	MW+W+M+X	MW+W+M+D	MW+W+M+F+X
5%	+3493	+4027	+3737	+5555	+3962	+3495	+4096	+5694	+3965	+5799
10%	+3188	+3668	+3365	+5115	+3612	+3190	+3695	+5251	+3612	+5316
20%	+2819	+3235	+2915	+4582	+3188	+2821	+3210	+4715	+3185	+4731
30%	+2553	+2922	+2591	+4198	+2882	+2555	+2861	+4328	+2877	+4309
40%	+2325	+2654	+2313	+3870	+2621	+2328	+2562	+3998	+2614	+3948
50%	+2112	+2405	+2054	+3563	+2376	+2115	+2283	+3689	+2368	+3611
60%	+1900	+2155	+1795	+3256	+2132	+1903	+2003	+3380	+2122	+3274
70%	+1672	+1887	+1518	+2928	+1870	+1675	+1705	+3050	+1859	+2914
80%	+1406	+1575	+1194	+2544	+1565	+1409	+1355	+2663	+1551	+2492
90%	+1036	+1141	+744	+2011	+1140	+1040	+870	+2127	+1124	+1907
95%	+731	+782	+372	+1572	+790	+736	+470	+1684	+771	+1423
Traits in Index	Reproduction, Survival, Lamb Growth, Adult size Wool	Reproduction, Survival, Lamb Growth, Adult size Wool, Meat Yield	Reproduction, Survival, Lamb Growth, Adult size Wool, WormFEC	Reproduction, Survival, Lamb Growth, Adult size Wool, Facial Eczema	Reproduction, Survival, Lamb Growth, Adult size Wool, Dag score	Reproduction, Survival, Lamb Growth, Adult size Wool, Body Condition	Reproduction, Survival, Lamb Growth, Adult size Wool, Meat, WormFEC	Reproduction, Survival, Lamb Growth, Adult size Wool, Meat, Facial Eczema	Reproduction, Survival, Lamb Growth, Adult size Wool, Meat, Dag	Reproduction, Survival, Lamb Growth, Adult size Wool, Meat, WormFEC, Facial eczema
Number of connected flocks	101	76	48	23	48	54	38	22	46	22
Number of sires	3248	2729	1688	1024	2026	2282	1519	1005	2130	1005

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## NZGE gBVs - Dual Purpose - Sire Percentile Bands

**NZGE March 2023**

SIL GE# 40730

Sires with progeny born in

**2020-2022**

Threshold to be in top X%	NZGE Dual Purpose - estimated Breeding Values (gBV)															
	NLB	SUR	SURm	WWT	CWT	LW8 <sup>1</sup>	WWTm	EWT	FATY	LEANY <sup>1</sup>	SHLY	LNLY	HQLY	CWY	EMAc <sup>1</sup>	FW12
5%	+0.39	+0.056	+0.041	+5.67	+3.00	+9.57	+3.24	-2.15	-0.868	+0.674	+0.315	+0.118	+0.335	+1.669	+1.679	+0.680
10%	+0.33	+0.048	+0.034	+5.10	+2.71	+8.66	+2.84	-0.99	-0.693	+0.545	+0.256	+0.097	+0.273	+1.425	+1.348	+0.577
20%	<b>+0.27</b>	<b>+0.039</b>	<b>+0.025</b>	<b>+4.40</b>	<b>+2.36</b>	<b>+7.55</b>	<b>+2.35</b>	<b>+0.41</b>	<b>-0.481</b>	<b>+0.388</b>	<b>+0.184</b>	<b>+0.072</b>	<b>+0.197</b>	<b>+1.130</b>	<b>+0.948</b>	<b>+0.452</b>
30%	+0.22	+0.032	+0.019	+3.90	+2.11	+6.76	+2.00	+1.42	-0.329	+0.274	+0.132	+0.054	+0.143	+0.917	+0.659	+0.362
50%	<b>+0.14</b>	<b>+0.021</b>	<b>+0.009</b>	<b>+3.07</b>	<b>+1.70</b>	<b>+5.44</b>	<b>+1.43</b>	<b>+3.10</b>	<b>-0.076</b>	<b>+0.087</b>	<b>+0.047</b>	<b>+0.025</b>	<b>+0.053</b>	<b>+0.566</b>	<b>+0.182</b>	<b>+0.213</b>
70%	+0.06	+0.010	-0.001	+2.24	+1.29	+4.12	+0.85	+4.77	+0.176	-0.100	-0.039	-0.005	-0.037	+0.214	-0.295	+0.064
80%	+0.01	+0.003	-0.007	+1.73	+1.04	+3.32	+0.50	+5.78	+0.329	-0.214	-0.091	-0.023	-0.092	+0.001	-0.584	-0.026
90%	-0.06	-0.006	-0.016	+1.04	+0.69	+2.22	+0.02	+7.19	+0.541	-0.371	-0.163	-0.048	-0.167	-0.294	-0.984	-0.151
95%	-0.11	-0.014	-0.023	+0.46	+0.40	+1.30	-0.38	+8.35	+0.716	-0.500	-0.222	-0.069	-0.229	-0.538	-1.315	-0.254
Units	x100 =%	x100 =%	x100 =%	kg	kg	kg	kg	kg	kg fat	kg lean	kg lean	kg lean	kg lean	kg lean	sq. cm	kg
Number of connected flocks	218	237	237	264	264	264	264	161	122	122	122	122	122	122	122	117
Number of sires	4946	5104	5104	5325	5325	5325	5325	4272	3517	3517	3517	3517	3517	3517	3517	3426

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## NZGE gBVs- Health Traits - Sire Percentile Bands

NZGE March 2023

SIL GE# 40730

Sires with progeny born in

2020-2022

Threshold to be in top X%	NZGE - estimated Breeding Values (gBV) for Health Traits - DP & TS flocks combined								
	FEC1	FEC2	AFEC	DRAGE	RGAIN	LDAG	ADAG	GGT21	BCS
5%	-46.4	-48.6	-65.7	+34.61	+2.04	-0.80	-1.00	-1.24	+0.37
10%	-35.6	-37.1	-52.9	+28.87	+1.70	-0.63	-0.79	-1.09	+0.31
20%	<b>-22.5</b>	<b>-23.3</b>	<b>-37.4</b>	<b>+21.91</b>	<b>+1.30</b>	<b>-0.42</b>	<b>-0.53</b>	<b>-0.91</b>	<b>+0.24</b>
30%	-13.1	-13.3	-26.2	+16.89	+1.00	-0.27	-0.34	-0.79	+0.19
50%	<b>+2.5</b>	<b>+3.3</b>	<b>-7.7</b>	<b>+8.60</b>	<b>+0.52</b>	<b>-0.02</b>	<b>-0.04</b>	<b>-0.57</b>	<b>+0.10</b>
70%	+18.0	+19.8	+10.8	+0.31	+0.03	+0.22	+0.27	-0.36	+0.02
80%	+27.4	+29.8	+22.0	-4.71	-0.26	+0.37	+0.46	-0.23	-0.03
90%	+40.5	+43.6	+37.5	-11.67	-0.67	+0.58	+0.71	-0.06	-0.11
95%	+51.3	+55.1	+50.3	-17.41	-1.00	+0.75	+0.93	+0.09	-0.16
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	60	60	60	4	4	82	82	26	68
Number of sires	1944	1944	1944	219	219	3013	3013	1076	2423

Due to few TS flocks having data on health traits, these figures are for DP and TS flocks combined.

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