

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

**NZGE June 2023**

**SIL GE# 40599**

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	HQLV	CWY	EMAc <sup>1</sup>
5%	+2692	+342	+1546	+1046	+0.041	+6.66	+3.55	+11.33	-1.268	+0.998	+0.456	+0.117	+0.446	+2.410	+2.015
10%	+2443	+285	+1394	+934	+0.034	+5.99	+3.20	+10.21	-1.097	+0.862	+0.393	+0.099	+0.382	+2.178	+1.710
20%	<b>+2142</b>	<b>+216</b>	<b>+1210</b>	<b>+799</b>	<b>+0.026</b>	<b>+5.19</b>	<b>+2.78</b>	<b>+8.85</b>	<b>-0.889</b>	<b>+0.698</b>	<b>+0.316</b>	<b>+0.077</b>	<b>+0.304</b>	<b>+1.897</b>	<b>+1.340</b>
30%	+1925	+166	+1077	+701	+0.020	+4.61	+2.47	+7.87	-0.740	+0.579	+0.260	+0.061	+0.248	+1.694	+1.073
50%	<b>+1566</b>	<b>+84</b>	<b>+858</b>	<b>+539</b>	<b>+0.010</b>	<b>+3.65</b>	<b>+1.96</b>	<b>+6.25</b>	<b>-0.492</b>	<b>+0.383</b>	<b>+0.168</b>	<b>+0.034</b>	<b>+0.155</b>	<b>+1.358</b>	<b>+0.632</b>
70%	+1207	+2	+638	+378	+0.000	+2.69	+1.46	+4.63	-0.245	+0.188	+0.076	+0.007	+0.062	+1.023	+0.192
80%	+990	-47	+506	+280	-0.006	+2.11	+1.15	+3.65	-0.095	+0.069	+0.021	-0.009	+0.006	+0.820	-0.075
90%	+689	-116	+322	+145	-0.014	+1.30	+0.73	+2.29	+0.113	-0.095	-0.056	-0.031	-0.072	+0.538	-0.445
95%	+441	-173	+170	+33	-0.021	+0.64	+0.38	+1.17	+0.284	-0.231	-0.120	-0.050	-0.137	+0.306	-0.750
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	91	138	180	110	138	180	180	180	110	110	110	110	110	110	110
Number of sires	1739	2188	2557	1963	2188	2557	2557	2557	1963	1963	1963	1963	1963	1963	1963

<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 June 2023

SIL GE # 40599

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%	+3363	+3507	+3939	+3663	+5441	+3367	+936	+1314	+2557	+348	+1957	+1130	+247	+922	+2760	+106	+1209
10%	+3050	+3196	+3566	+3290	+4993	+3051	+804	+1129	+2315	+166	+1750	+956	+211	+727	+2431	+83	+1013
20%	+2672	+2819	+3114	+2838	+4451	+2668	+645	+904	+2022	-55	+1500	+744	+166	+491	+2032	+55	+775
30%	+2399	+2547	+2788	+2512	+4060	+2392	+530	+741	+1811	-215	+1320	+592	+134	+321	+1744	+34	+603
40%	+2166	+2315	+2510	+2234	+3726	+2156	+431	+603	+1630	-351	+1166	+461	+107	+176	+1498	+17	+457
50%	+1948	+2097	+2250	+1973	+3414	+1935	+339	+473	+1462	-478	+1022	+340	+81	+40	+1268	+1	+320
60%	+1730	+1880	+1990	+1713	+3102	+1715	+248	+343	+1293	-605	+878	+218	+56	-96	+1039	-16	+183
70%	+1497	+1648	+1712	+1435	+2768	+1479	+149	+205	+1113	-741	+724	+88	+28	-242	+793	-33	+36
80%	+1225	+1376	+1386	+1109	+2377	+1203	+34	+42	+901	-900	+544	-65	-4	-412	+505	-53	-135
90%	+846	+999	+935	+657	+1835	+820	-125	-183	+608	-1121	+294	-276	-48	-648	+106	-82	-373
95%	+534	+687	+562	+284	+1387	+504	-257	-369	+366	-1304	+87	-451	-85	-843	-223	-105	-569
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	143	101	100	60	25	66	221	245	265	166	154	140	117	65	26	74	70
Number of sires	4080	3253	3302	1998	1043	2641	4979	5191	5333	4369	4219	3777	3428	2048	1076	2771	2458

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

**NZGE June 2023**

SIL GE # 40599

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%	+3507	+4035	+3797	+5558	+3941	+3500	+4147	+5690	+3943	+5828
10%	+3196	+3668	+3417	+5114	+3586	+3188	+3731	+5236	+3581	+5336
20%	+2819	+3223	+2957	+4577	+3156	+2811	+3227	+4686	+3143	+4740
30%	+2547	+2902	+2625	+4189	+2847	+2539	+2864	+4289	+2828	+4310
40%	+2315	+2628	+2341	+3857	+2582	+2307	+2553	+3951	+2558	+3942
50%	+2097	+2372	+2076	+3548	+2335	+2089	+2263	+3634	+2306	+3599
60%	+1880	+2116	+1811	+3238	+2087	+1872	+1973	+3317	+2054	+3255
70%	+1648	+1842	+1528	+2907	+1823	+1640	+1662	+2979	+1784	+2888
80%	+1376	+1521	+1196	+2519	+1513	+1368	+1299	+2582	+1469	+2458
90%	+999	+1076	+736	+1981	+1084	+991	+794	+2032	+1031	+1862
95%	+687	+709	+356	+1537	+729	+679	+378	+1578	+670	+1369
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	79	50	23	49	54	40	22	46	22
Number of sires	3253	2787	1730	1024	2060	2296	1557	1005	2133	1005

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## NZGE gBVs - Dual Purpose - Sire Percentile Bands

**NZGE June 2023**

**SIL GE# 40599**

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	LNLV	HQLV	CWV	EMAc <sup>1</sup>	FW12
5%	+0.39	+0.056	+0.041	+5.63	+2.95	+9.40	+3.16	-2.20	-0.899	+0.753	+0.358	+0.119	+0.361	+1.687	+1.659	+0.689
10%	+0.33	+0.048	+0.034	+5.05	+2.66	+8.49	+2.77	-1.05	-0.721	+0.611	+0.291	+0.099	+0.295	+1.433	+1.330	+0.586
20%	<b>+0.26</b>	<b>+0.039</b>	<b>+0.025</b>	<b>+4.36</b>	<b>+2.32</b>	<b>+7.38</b>	<b>+2.31</b>	<b>+0.35</b>	<b>-0.506</b>	<b>+0.439</b>	<b>+0.211</b>	<b>+0.074</b>	<b>+0.216</b>	<b>+1.125</b>	<b>+0.933</b>	<b>+0.462</b>
30%	+0.22	+0.032	+0.019	+3.85	+2.07	+6.59	+1.98	+1.36	-0.351	+0.315	+0.153	+0.057	+0.159	+0.903	+0.646	+0.372
50%	<b>+0.14</b>	<b>+0.021</b>	<b>+0.009</b>	<b>+3.02</b>	<b>+1.65</b>	<b>+5.27</b>	<b>+1.42</b>	<b>+3.02</b>	<b>-0.095</b>	<b>+0.109</b>	<b>+0.058</b>	<b>+0.028</b>	<b>+0.064</b>	<b>+0.536</b>	<b>+0.172</b>	<b>+0.223</b>
70%	+0.06	+0.010	-0.002	+2.19	+1.24	+3.96	+0.87	+4.69	+0.162	-0.096	-0.038	-0.001	-0.030	+0.170	-0.302	+0.075
80%	+0.01	+0.004	-0.008	+1.69	+0.99	+3.16	+0.53	+5.70	+0.317	-0.220	-0.096	-0.019	-0.088	-0.052	-0.588	-0.015
90%	-0.06	-0.005	-0.017	+0.99	+0.64	+2.06	+0.07	+7.10	+0.532	-0.392	-0.176	-0.044	-0.167	-0.360	-0.986	-0.139
95%	-0.12	-0.013	-0.024	+0.41	+0.36	+1.15	-0.32	+8.25	+0.710	-0.534	-0.242	-0.064	-0.232	-0.614	-1.314	-0.242
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	221	245	245	265	265	265	265	166	140	140	140	140	140	140	140	117
Number of sires	4979	5191	5191	5333	5333	5333	5333	4369	3777	3777	3777	3777	3777	3777	3777	3428

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

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## NZGE gBVs- Health Traits - Sire Percentile Bands

NZGE June 2023

SIL GE# 40599

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%	-47.3	-49.4	-66.1	+35.57	+1.95	-0.77	-1.01	-1.24	+0.37
10%	-36.9	-38.1	-53.5	+29.47	+1.62	-0.61	-0.80	-1.09	+0.31
20%	<b>-24.3</b>	<b>-24.5</b>	<b>-38.4</b>	<b>+22.09</b>	<b>+1.21</b>	<b>-0.40</b>	<b>-0.54</b>	<b>-0.91</b>	<b>+0.24</b>
30%	-15.2	-14.6	-27.4	+16.76	+0.92	-0.25	-0.35	-0.78	+0.18
50%	<b>-0.2</b>	<b>+1.6</b>	<b>-9.4</b>	<b>+7.95</b>	<b>+0.43</b>	<b>-0.01</b>	<b>-0.04</b>	<b>-0.57</b>	<b>+0.10</b>
70%	+14.8	+17.9	+8.7	-0.85	-0.05	+0.23	+0.27	-0.36	+0.01
80%	+23.8	+27.7	+19.6	-6.18	-0.35	+0.38	+0.45	-0.23	-0.04
90%	+36.4	+41.4	+34.8	-13.57	-0.75	+0.58	+0.71	-0.05	-0.11
95%	+46.8	+52.6	+47.3	-19.67	-1.09	+0.75	+0.93	+0.10	-0.17
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	66	66	66	4	4	84	84	26	71
Number of sires	2059	2059	2059	219	219	3072	3072	1076	2469

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

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