

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

**NZGE February 2024**

**SIL GE# 41335**

Sires with progeny born in

**2021-2023**

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%	+2735	+350	+1595	+1009	+0.042	+6.76	+3.70	+11.67	-1.210	+0.856	+0.376	+0.127	+0.407	+2.421	+2.035
10%	+2481	+293	+1437	+904	+0.035	+6.09	+3.33	+10.51	-1.047	+0.738	+0.322	+0.108	+0.348	+2.191	+1.726
20%	<b>+2174</b>	<b>+225</b>	<b>+1245</b>	<b>+776</b>	<b>+0.027</b>	<b>+5.26</b>	<b>+2.88</b>	<b>+9.11</b>	<b>-0.851</b>	<b>+0.596</b>	<b>+0.258</b>	<b>+0.085</b>	<b>+0.276</b>	<b>+1.913</b>	<b>+1.351</b>
30%	+1953	+176	+1107	+684	+0.021	+4.67	+2.56	+8.09	-0.709	+0.493	+0.211	+0.068	+0.224	+1.713	+1.082
50%	<b>+1587</b>	<b>+94</b>	<b>+878</b>	<b>+532</b>	<b>+0.011</b>	<b>+3.69</b>	<b>+2.03</b>	<b>+6.42</b>	<b>-0.474</b>	<b>+0.323</b>	<b>+0.134</b>	<b>+0.041</b>	<b>+0.138</b>	<b>+1.381</b>	<b>+0.635</b>
70%	+1221	+13	+650	+380	+0.002	+2.71	+1.49	+4.74	-0.239	+0.153	+0.057	+0.013	+0.052	+1.049	+0.189
80%	+1000	-37	+512	+288	-0.004	+2.12	+1.17	+3.73	-0.097	+0.051	+0.010	-0.004	+0.000	+0.849	-0.081
90%	+693	-105	+320	+160	-0.013	+1.29	+0.72	+2.32	+0.099	-0.092	-0.055	-0.027	-0.072	+0.570	-0.455
95%	+440	-161	+162	+55	-0.019	+0.62	+0.35	+1.16	+0.262	-0.209	-0.108	-0.046	-0.131	+0.341	-0.764
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	100	150	193	113	150	193	193	193	113	113	113	113	113	113	113
Number of sires	1916	2355	2770	2077	2355	2770	2770	2770	2077	2077	2077	2077	2077	2077	2077

<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 February 2024**

SIL GE # 41335

Sires with progeny born in **2021-2023**

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%	+3402	+3582	+3972	+3701	+5656	+3393	+929	+1295	+2633	+344	+1975	+1105	+245	+940	+2893	+106	+1276
10%	+3089	+3271	+3614	+3341	+5089	+3092	+800	+1117	+2387	+159	+1771	+946	+209	+751	+2490	+83	+1076
20%	+2710	+2894	+3180	+2906	+4401	+2727	+645	+901	+2089	-65	+1525	+754	+165	+523	+2003	+54	+833
30%	+2436	+2623	+2867	+2592	+3906	+2464	+533	+745	+1874	-227	+1347	+616	+134	+358	+1651	+34	+658
40%	+2202	+2391	+2600	+2324	+3482	+2240	+437	+612	+1691	-365	+1195	+498	+107	+217	+1351	+16	+508
50%	+1984	+2174	+2350	+2073	+3087	+2030	+348	+487	+1519	-494	+1053	+387	+81	+86	+1070	-0	+368
60%	+1766	+1957	+2100	+1822	+2691	+1820	+258	+363	+1348	-623	+911	+276	+56	-46	+790	-17	+228
70%	+1532	+1725	+1833	+1554	+2267	+1595	+163	+229	+1164	-761	+759	+158	+29	-187	+489	-34	+79
80%	+1259	+1453	+1520	+1240	+1772	+1332	+51	+73	+949	-923	+581	+19	-3	-351	+138	-55	-96
90%	+879	+1076	+1086	+805	+1085	+968	-105	-143	+651	-1147	+335	-173	-46	-580	-349	-83	-339
95%	+566	+765	+728	+446	+517	+667	-233	-321	+405	-1332	+131	-331	-83	-768	-752	-107	-540
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	95	92	62	27	67	216	228	246	161	152	128	112	65	30	80	75
Number of sires	4060	2957	3134	1974	1132	2619	4792	5065	5203	4243	4157	3621	3123	2014	1185	2771	2455

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

**NZGE February 2024**

SIL GE # 41335

Sires with progeny born in

**2021-2023**

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%	+3582	+4115	+3876	+5862	+4103	+3560	+4229	+5982	+4032	+6180
10%	+3271	+3758	+3508	+5279	+3749	+3255	+3838	+5423	+3686	+5581
20%	+2894	+3325	+3062	+4573	+3321	+2885	+3365	+4745	+3266	+4855
30%	+2623	+3013	+2741	+4064	+3013	+2619	+3023	+4256	+2964	+4331
40%	+2391	+2746	+2467	+3629	+2749	+2392	+2731	+3839	+2705	+3884
50%	+2174	+2496	+2210	+3222	+2502	+2179	+2459	+3449	+2464	+3466
60%	+1957	+2247	+1953	+2816	+2256	+1967	+2186	+3059	+2222	+3048
70%	+1725	+1980	+1679	+2381	+1992	+1739	+1894	+2641	+1964	+2601
80%	+1453	+1668	+1358	+1872	+1683	+1473	+1553	+2153	+1661	+2077
90%	+1076	+1235	+912	+1166	+1255	+1104	+1079	+1475	+1242	+1351
95%	+765	+878	+544	+583	+902	+799	+688	+916	+895	+752
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	95	69	47	24	50	52	36	23	44	23
Number of sires	2957	2531	1552	1040	2001	2144	1374	1022	1975	1022

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## NZGE gBVs - Dual Purpose - Sire Percentile Bands

**NZGE February 2024**

SIL GE# 41335

Sires with progeny born in

**2021-2023**

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	LPLY	HPLY	CWY	EMAc <sup>1</sup>	FW12
5%	+0.38	+0.055	+0.042	+5.69	+3.06	+9.62	+3.30	-2.18	-0.851	+0.623	+0.290	+0.123	+0.327	+1.745	+1.671	+0.684
10%	+0.33	+0.047	+0.035	+5.11	+2.76	+8.69	+2.91	-1.01	-0.687	+0.510	+0.239	+0.102	+0.270	+1.498	+1.345	+0.582
20%	<b>+0.26</b>	<b>+0.038</b>	<b>+0.026</b>	<b>+4.41</b>	<b>+2.41</b>	<b>+7.56</b>	<b>+2.44</b>	<b>+0.41</b>	<b>-0.489</b>	<b>+0.374</b>	<b>+0.176</b>	<b>+0.077</b>	<b>+0.201</b>	<b>+1.199</b>	<b>+0.950</b>	<b>+0.459</b>
30%	+0.22	+0.032	+0.020	+3.90	+2.15	+6.74	+2.10	+1.44	-0.346	+0.275	+0.132	+0.059	+0.151	+0.983	+0.665	+0.370
50%	<b>+0.14</b>	<b>+0.021</b>	<b>+0.010</b>	<b>+3.06</b>	<b>+1.73</b>	<b>+5.40</b>	<b>+1.53</b>	<b>+3.13</b>	<b>-0.110</b>	<b>+0.113</b>	<b>+0.057</b>	<b>+0.029</b>	<b>+0.069</b>	<b>+0.627</b>	<b>+0.193</b>	<b>+0.224</b>
70%	+0.06	+0.011	-0.000	+2.22	+1.30	+4.05	+0.97	+4.82	+0.126	-0.050	-0.017	-0.000	-0.014	+0.270	-0.278	+0.077
80%	+0.01	+0.004	-0.007	+1.71	+1.05	+3.24	+0.63	+5.84	+0.269	-0.148	-0.061	-0.019	-0.064	+0.055	-0.563	-0.012
90%	-0.05	-0.005	-0.015	+1.01	+0.69	+2.11	+0.15	+7.26	+0.467	-0.285	-0.124	-0.044	-0.133	-0.244	-0.958	-0.135
95%	-0.11	-0.012	-0.022	+0.42	+0.39	+1.18	-0.24	+8.43	+0.631	-0.398	-0.175	-0.064	-0.190	-0.491	-1.285	-0.236
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	216	228	228	246	246	246	246	161	128	128	128	128	128	128	128	112
Number of sires	4792	5065	5065	5203	5203	5203	5203	4243	3621	3621	3621	3621	3621	3621	3621	3123

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

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## NZGE gBVs- Health Traits - Sire Percentile Bands

**NZGE February 2024**

SIL GE# 41335

Sires with progeny born in

**2021-2023**

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%	-48.6	-50.7	-66.5	+35.42	+1.87	-0.81	-0.98	-1.30	+0.39
10%	-38.5	-39.6	-54.5	+29.21	+1.54	-0.64	-0.77	-1.11	+0.33
20%	<b>-26.2</b>	<b>-26.2</b>	<b>-40.0</b>	<b>+21.68</b>	<b>+1.15</b>	<b>-0.42</b>	<b>-0.51</b>	<b>-0.89</b>	<b>+0.25</b>
30%	-17.3	-16.6	-29.5	+16.25	+0.86	-0.27	-0.33	-0.74	+0.20
50%	<b>-2.6</b>	<b>-0.6</b>	<b>-12.2</b>	<b>+7.27</b>	<b>+0.39</b>	<b>-0.02</b>	<b>-0.03</b>	<b>-0.47</b>	<b>+0.11</b>
70%	+12.1	+15.4	+5.1	-1.71	-0.09	+0.23	+0.27	-0.21	+0.02
80%	+20.9	+25.0	+15.6	-7.14	-0.37	+0.38	+0.46	-0.05	-0.03
90%	+33.2	+38.4	+30.1	-14.67	-0.77	+0.59	+0.71	+0.17	-0.10
95%	+43.4	+49.5	+42.1	-20.88	-1.10	+0.77	+0.92	+0.35	-0.17
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	67	67	67	5	5	92	92	30	76
Number of sires	2046	2046	2046	256	256	3167	3167	1198	2488

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

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