

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

**NZGE March 2024**

**SIL GE# 41466**

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	HQLV	CWY	EMAc <sup>1</sup>
5%	+2724	+354	+1585	+1009	+0.042	+6.73	+3.68	+11.61	-1.217	+0.856	+0.376	+0.127	+0.409	+2.416	+2.031
10%	+2472	+297	+1429	+904	+0.035	+6.06	+3.31	+10.46	-1.053	+0.738	+0.323	+0.108	+0.349	+2.186	+1.720
20%	<b>+2167</b>	<b>+228</b>	<b>+1240</b>	<b>+776</b>	<b>+0.027</b>	<b>+5.25</b>	<b>+2.87</b>	<b>+9.07</b>	<b>-0.854</b>	<b>+0.596</b>	<b>+0.258</b>	<b>+0.085</b>	<b>+0.277</b>	<b>+1.909</b>	<b>+1.344</b>
30%	+1947	+178	+1103	+684	+0.021	+4.66	+2.55	+8.07	-0.711	+0.493	+0.211	+0.068	+0.225	+1.709	+1.073
50%	<b>+1584</b>	<b>+95</b>	<b>+878</b>	<b>+532</b>	<b>+0.011</b>	<b>+3.69</b>	<b>+2.02</b>	<b>+6.41</b>	<b>-0.474</b>	<b>+0.324</b>	<b>+0.134</b>	<b>+0.041</b>	<b>+0.139</b>	<b>+1.378</b>	<b>+0.625</b>
70%	+1220	+13	+652	+380	+0.002	+2.72	+1.50	+4.75	-0.237	+0.154	+0.057	+0.013	+0.053	+1.047	+0.178
80%	+1000	-37	+515	+287	-0.004	+2.13	+1.18	+3.75	-0.093	+0.052	+0.011	-0.003	+0.001	+0.847	-0.093
90%	+695	-106	+326	+160	-0.013	+1.32	+0.74	+2.36	+0.105	-0.090	-0.054	-0.027	-0.071	+0.569	-0.469
95%	+443	-163	+170	+54	-0.019	+0.65	+0.37	+1.21	+0.270	-0.208	-0.108	-0.046	-0.131	+0.340	-0.780
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	103	154	196	116	154	196	196	196	116	116	116	116	116	116	116
Number of sires	1944	2403	2781	2105	2403	2781	2781	2781	2105	2105	2105	2105	2105	2105	2105

<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 2024**

SIL GE # 41466

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%	+3384	+3574	+3966	+3662	+5608	+3381	+931	+1292	+2618	+345	+1963	+1103	+245	+936	+2869	+107	+1270
10%	+3068	+3256	+3606	+3304	+5038	+3080	+802	+1113	+2373	+161	+1760	+944	+209	+747	+2469	+83	+1070
20%	+2685	+2872	+3170	+2869	+4348	+2716	+645	+896	+2076	-63	+1514	+751	+165	+518	+1985	+55	+828
30%	+2409	+2594	+2855	+2556	+3850	+2454	+533	+739	+1861	-224	+1337	+611	+133	+353	+1636	+34	+654
40%	+2174	+2357	+2587	+2288	+3425	+2229	+436	+605	+1678	-362	+1186	+492	+106	+212	+1338	+16	+505
50%	+1953	+2135	+2335	+2038	+3028	+2020	+346	+480	+1507	-491	+1044	+381	+81	+80	+1059	-0	+365
60%	+1733	+1914	+2084	+1788	+2630	+1810	+257	+355	+1336	-620	+903	+270	+56	-52	+780	-17	+226
70%	+1497	+1676	+1816	+1520	+2205	+1586	+160	+222	+1153	-758	+751	+151	+29	-193	+482	-34	+77
80%	+1221	+1399	+1501	+1207	+1708	+1323	+48	+65	+938	-919	+574	+12	-3	-358	+133	-55	-98
90%	+838	+1014	+1065	+773	+1018	+959	-109	-152	+641	-1143	+328	-181	-46	-587	-351	-83	-340
95%	+522	+696	+705	+414	+448	+658	-238	-331	+396	-1328	+125	-340	-82	-776	-751	-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	146	96	94	65	29	68	219	237	255	162	154	129	112	67	30	79	75
Number of sires	4133	3001	3172	2026	1170	2635	4857	5158	5272	4262	4185	3653	3135	2060	1185	2763	2455

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

**NZGE March 2024**

SIL GE # 41466

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%	+3574	+4103	+3841	+5815	+4082	+3544	+4203	+5956	+4022	+6154
10%	+3256	+3744	+3475	+5227	+3729	+3239	+3813	+5398	+3675	+5553
20%	+2872	+3309	+3032	+4515	+3301	+2870	+3341	+4722	+3254	+4826
30%	+2594	+2995	+2712	+4002	+2993	+2605	+3000	+4235	+2950	+4302
40%	+2357	+2727	+2439	+3564	+2729	+2377	+2709	+3818	+2691	+3854
50%	+2135	+2476	+2184	+3154	+2483	+2165	+2437	+3429	+2448	+3435
60%	+1914	+2226	+1929	+2744	+2237	+1952	+2164	+3040	+2206	+3016
70%	+1676	+1958	+1656	+2306	+1973	+1725	+1873	+2623	+1946	+2568
80%	+1399	+1644	+1337	+1793	+1665	+1459	+1533	+2136	+1643	+2044
90%	+1014	+1209	+894	+1081	+1237	+1090	+1060	+1460	+1222	+1317
95%	+696	+849	+528	+494	+884	+786	+670	+901	+874	+716
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	96	70	47	25	50	52	37	23	45	23
Number of sires	3001	2563	1554	1072	2001	2157	1396	1022	2008	1022

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## NZGE gBVs - Dual Purpose - Sire Percentile Bands

**NZGE March 2024**

SIL GE# 41466

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	LNLy	HQLY	CWY	EMAc <sup>1</sup>	FW12
5%	+0.38	+0.055	+0.042	+5.67	+3.04	+9.57	+3.30	-2.19	-0.852	+0.622	+0.290	+0.122	+0.326	+1.742	+1.682	+0.682
10%	+0.33	+0.047	+0.035	+5.08	+2.74	+8.64	+2.91	-1.02	-0.687	+0.510	+0.238	+0.102	+0.269	+1.494	+1.353	+0.580
20%	<b>+0.26</b>	<b>+0.038</b>	<b>+0.026</b>	<b>+4.38</b>	<b>+2.39</b>	<b>+7.51</b>	<b>+2.44</b>	<b>+0.40</b>	<b>-0.488</b>	<b>+0.373</b>	<b>+0.176</b>	<b>+0.077</b>	<b>+0.200</b>	<b>+1.193</b>	<b>+0.953</b>	<b>+0.457</b>
30%	+0.22	+0.032	+0.020	+3.87	+2.13	+6.70	+2.10	+1.42	-0.344	+0.275	+0.131	+0.058	+0.150	+0.976	+0.665	+0.369
50%	<b>+0.14</b>	<b>+0.021</b>	<b>+0.009</b>	<b>+3.03</b>	<b>+1.71</b>	<b>+5.36</b>	<b>+1.54</b>	<b>+3.11</b>	<b>-0.106</b>	<b>+0.112</b>	<b>+0.057</b>	<b>+0.029</b>	<b>+0.068</b>	<b>+0.618</b>	<b>+0.189</b>	<b>+0.222</b>
70%	+0.06	+0.011	-0.001	+2.18	+1.29	+4.02	+0.98	+4.80	+0.131	-0.050	-0.017	-0.001	-0.015	+0.260	-0.287	+0.075
80%	+0.01	+0.004	-0.007	+1.68	+1.03	+3.21	+0.64	+5.82	+0.275	-0.149	-0.062	-0.019	-0.065	+0.043	-0.575	-0.013
90%	-0.05	-0.005	-0.016	+0.97	+0.68	+2.08	+0.17	+7.23	+0.475	-0.285	-0.124	-0.044	-0.134	-0.258	-0.975	-0.136
95%	-0.11	-0.012	-0.023	+0.39	+0.38	+1.15	-0.22	+8.40	+0.639	-0.398	-0.175	-0.065	-0.191	-0.506	-1.305	-0.238
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	219	237	237	255	255	255	255	162	129	129	129	129	129	129	129	112
Number of sires	4857	5158	5158	5272	5272	5272	5272	4262	3653	3653	3653	3653	3653	3653	3653	3135

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## NZGE gBVs- Health Traits - Sire Percentile Bands

NZGE March 2024

SIL GE# 41466

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%	-49.0	-50.5	-65.8	+35.70	+1.90	-0.81	-0.98	-1.29	+0.39
10%	-38.7	-39.4	-53.8	+29.47	+1.57	-0.64	-0.77	-1.11	+0.33
20%	<b>-26.3</b>	<b>-26.1</b>	<b>-39.3</b>	<b>+21.94</b>	<b>+1.17</b>	<b>-0.43</b>	<b>-0.52</b>	<b>-0.89</b>	<b>+0.25</b>
30%	-17.3	-16.4	-28.9	+16.51	+0.89	-0.27	-0.33	-0.73	+0.20
50%	<b>-2.4</b>	<b>-0.5</b>	<b>-11.6</b>	<b>+7.53</b>	<b>+0.41</b>	<b>-0.02</b>	<b>-0.03</b>	<b>-0.47</b>	<b>+0.11</b>
70%	+12.4	+15.5	+5.7	-1.45	-0.07	+0.23	+0.27	-0.21	+0.02
80%	+21.4	+25.1	+16.1	-6.89	-0.35	+0.39	+0.45	-0.05	-0.03
90%	+33.9	+38.5	+30.6	-14.42	-0.75	+0.60	+0.71	+0.17	-0.10
95%	+44.2	+49.6	+42.6	-20.64	-1.08	+0.77	+0.92	+0.35	-0.17
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	69	69	69	5	5	91	91	30	76
Number of sires	2092	2092	2092	268	268	3160	3160	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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