

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

**NZGE October 2022**

**SIL GE# 39716**

Sires with progeny born in

**2019-2021**

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	LNLY	HQLY	CWY	EMAc <sup>1</sup>
5%	+2654	+329	+1592	+975	+0.039	+6.80	+3.68	+11.69	-1.209	+0.876	+0.394	+0.123	+0.406	+2.285	+2.023
10%	+2414	+275	+1439	+873	+0.033	+6.14	+3.32	+10.56	-1.050	+0.756	+0.338	+0.105	+0.347	+2.069	+1.725
20%	<b>+2124</b>	<b>+211</b>	<b>+1254</b>	<b>+750</b>	<b>+0.025</b>	<b>+5.33</b>	<b>+2.89</b>	<b>+9.19</b>	<b>-0.858</b>	<b>+0.610</b>	<b>+0.269</b>	<b>+0.083</b>	<b>+0.274</b>	<b>+1.808</b>	<b>+1.363</b>
30%	+1915	+164	+1121	+661	+0.020	+4.75	+2.58	+8.21	-0.719	+0.505	+0.220	+0.066	+0.222	+1.620	+1.103
50%	<b>+1568</b>	<b>+88</b>	<b>+900</b>	<b>+514</b>	<b>+0.010</b>	<b>+3.80</b>	<b>+2.07</b>	<b>+6.58</b>	<b>-0.490</b>	<b>+0.331</b>	<b>+0.139</b>	<b>+0.040</b>	<b>+0.135</b>	<b>+1.309</b>	<b>+0.672</b>
70%	+1222	+11	+680	+367	+0.001	+2.84	+1.56	+4.95	-0.260	+0.157	+0.058	+0.013	+0.049	+0.998	+0.241
80%	+1013	-36	+546	+279	-0.004	+2.26	+1.25	+3.96	-0.122	+0.052	+0.008	-0.003	-0.004	+0.810	-0.020
90%	+722	-100	+361	+155	-0.012	+1.46	+0.82	+2.60	+0.071	-0.094	-0.060	-0.026	-0.076	+0.549	-0.381
95%	+483	-153	+209	+54	-0.018	+0.79	+0.47	+1.47	+0.230	-0.215	-0.116	-0.044	-0.136	+0.333	-0.680
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	114	141	179	128	141	179	179	179	128	128	128	128	128	128	128
Number of sires	1904	2068	2419	2093	2068	2419	2419	2419	2093	2093	2093	2093	2093	2093	2093

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

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

**NZGE October 2022**

SIL GE # 39716

Sires with progeny born in **2019-2021**

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%	+3391	+3571	+3964	+3700	+5585	+3415	+922	+1284	+2642	+298	+1987	+1098	+236	+901	+2897	+108	+1229
10%	+3079	+3256	+3601	+3332	+5124	+3098	+795	+1109	+2396	+119	+1782	+935	+203	+701	+2553	+85	+1033
20%	+2700	+2874	+3161	+2885	+4566	+2714	+640	+897	+2099	-97	+1535	+736	+163	+460	+2136	+57	+796
30%	+2427	+2599	+2844	+2563	+4164	+2437	+528	+744	+1885	-253	+1356	+593	+134	+285	+1835	+37	+626
40%	+2194	+2364	+2573	+2288	+3820	+2200	+433	+613	+1701	-386	+1204	+471	+109	+137	+1578	+20	+480
50%	+1976	+2145	+2320	+2031	+3499	+1978	+344	+491	+1530	-511	+1061	+357	+86	-3	+1338	+4	+343
60%	+1758	+1925	+2066	+1774	+3178	+1757	+254	+369	+1359	-635	+919	+242	+63	-142	+1098	-12	+207
70%	+1525	+1690	+1796	+1499	+2834	+1520	+159	+239	+1176	-768	+766	+120	+38	-291	+842	-29	+61
80%	+1252	+1415	+1478	+1177	+2432	+1243	+47	+86	+961	-924	+588	-23	+9	-465	+541	-49	-110
90%	+874	+1033	+1039	+730	+1874	+859	-107	-126	+664	-1140	+341	-221	-32	-707	+124	-77	-347
95%	+562	+718	+676	+362	+1413	+542	-235	-301	+419	-1319	+136	-385	-65	-906	-220	-100	-543
Traits in Index	Reproduction, Lamb Survival, Lamb Growth, Adult size	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool	Reproduction, Lamb Growth, Adult size, Meat Yield	Reproduction, Lamb Growth, Adult size, WormFEC	Reproduction, Lamb Growth, Adult size, Wool, Facial Eczema	Reproduction, 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	160	127	113	60	35	66	232	253	271	177	171	157	148	64	39	71	77
Number of sires	4266	3646	3393	1976	1251	2611	5054	5161	5282	4423	4354	3853	3848	2011	1352	2649	2481

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

**NZGE October 2022**

SIL GE # 39716

Sires with progeny born in **2019-2021**

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%	+3571	+4102	+3901	+5687	+4041	+3575	+4260	+5727	+4087	+5857
10%	+3256	+3736	+3536	+5234	+3686	+3255	+3862	+5289	+3718	+5377
20%	+2874	+3293	+3095	+4684	+3256	+2868	+3379	+4757	+3272	+4796
30%	+2599	+2973	+2776	+4288	+2946	+2589	+3031	+4374	+2950	+4377
40%	+2364	+2700	+2504	+3950	+2681	+2351	+2734	+4047	+2675	+4019
50%	+2145	+2445	+2250	+3634	+2433	+2128	+2456	+3741	+2417	+3684
60%	+1925	+2189	+1995	+3317	+2186	+1905	+2178	+3435	+2160	+3349
70%	+1690	+1916	+1723	+2979	+1921	+1666	+1881	+3108	+1885	+2991
80%	+1415	+1597	+1405	+2583	+1611	+1387	+1533	+2725	+1563	+2572
90%	+1033	+1153	+963	+2033	+1181	+1000	+1050	+2193	+1116	+1991
95%	+718	+787	+599	+1580	+826	+680	+652	+1755	+747	+1511
Traits in Index	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool	Reproduction, Lamb Growth, Adult size, Wool, Meat Yield	Reproduction, Lamb Growth, Adult size, Wool, WormFEC	Reproduction, Lamb Growth, Adult size, Wool, Facial Eczema	Reproduction, Lamb Growth, Adult size, Wool, Dag score	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool, Body Condition	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool, Meat, WormFEC	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool, Meat, Facial Eczema	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool, Meat, Dag	Reproduction, Lamb Survival, Lamb Growth, Adult size, Wool, Meat, WormFEC, Facial eczema
Number of connected flocks	127	94	54	33	60	57	43	24	46	24
Number of sires	3646	2941	1733	1231	2055	2308	1527	1050	2046	1050

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## NZGE gBVs - Dual Purpose - Sire Percentile Bands

**NZGE October 2022**

**SIL GE# 39716**

Sires with progeny born in

**2019-2021**

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	HQLY	CWY	EMAc <sup>1</sup>	FW12
5%	+0.38	+0.055	+0.040	+5.81	+3.07	+9.77	+3.13	-1.72	-0.881	+0.686	+0.323	+0.119	+0.337	+1.681	+1.726	+0.656
10%	+0.33	+0.048	+0.033	+5.23	+2.77	+8.84	+2.76	-0.59	-0.707	+0.555	+0.263	+0.098	+0.275	+1.440	+1.389	+0.563
20%	<b>+0.26</b>	<b>+0.039</b>	<b>+0.025</b>	<b>+4.52</b>	<b>+2.42</b>	<b>+7.72</b>	<b>+2.31</b>	<b>+0.77</b>	<b>-0.496</b>	<b>+0.397</b>	<b>+0.190</b>	<b>+0.074</b>	<b>+0.200</b>	<b>+1.148</b>	<b>+0.980</b>	<b>+0.451</b>
30%	+0.21	+0.032	+0.019	+4.01	+2.17	+6.90	+1.98	+1.75	-0.343	+0.283	+0.137	+0.056	+0.146	+0.937	+0.685	+0.370
50%	<b>+0.14</b>	<b>+0.021</b>	<b>+0.010</b>	<b>+3.16</b>	<b>+1.74</b>	<b>+5.56</b>	<b>+1.45</b>	<b>+3.38</b>	<b>-0.092</b>	<b>+0.095</b>	<b>+0.051</b>	<b>+0.027</b>	<b>+0.056</b>	<b>+0.590</b>	<b>+0.197</b>	<b>+0.236</b>
70%	+0.06	+0.011	+0.000	+2.31	+1.32	+4.22	+0.91	+5.00	+0.160	-0.094	-0.036	-0.003	-0.034	+0.242	-0.290	+0.102
80%	+0.01	+0.004	-0.006	+1.80	+1.07	+3.41	+0.58	+5.99	+0.313	-0.208	-0.089	-0.021	-0.088	+0.031	-0.585	+0.020
90%	-0.05	-0.005	-0.014	+1.09	+0.71	+2.28	+0.13	+7.35	+0.524	-0.366	-0.162	-0.045	-0.163	-0.261	-0.994	-0.092
95%	-0.11	-0.012	-0.020	+0.51	+0.42	+1.35	-0.24	+8.48	+0.698	-0.496	-0.222	-0.066	-0.225	-0.501	-1.331	-0.185
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	232	253	253	271	271	271	271	177	157	157	157	157	157	157	157	148
Number of sires	5054	5161	5161	5282	5282	5282	5282	5282	3853	3853	3853	3853	3853	3853	3853	3848

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

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## NZGE gBVs- Health Traits - Sire Percentile Bands

NZGE October 2022

SIL GE# 39716

Sires with progeny born in

2019-2021

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%	-45.7	-48.5	-65.5	+36.02	+1.99	-0.81	-0.98	-1.30	+0.37
10%	-35.0	-37.0	-52.7	+30.12	+1.66	-0.64	-0.77	-1.15	+0.31
20%	<b>-22.2</b>	<b>-23.1</b>	<b>-37.1</b>	<b>+22.97</b>	<b>+1.26</b>	<b>-0.44</b>	<b>-0.53</b>	<b>-0.96</b>	<b>+0.24</b>
30%	-12.9	-13.0	-25.8	+17.81	+0.97	-0.29	-0.35	-0.82	+0.19
50%	<b>+2.5</b>	<b>+3.6</b>	<b>-7.2</b>	<b>+9.29</b>	<b>+0.49</b>	<b>-0.04</b>	<b>-0.05</b>	<b>-0.60</b>	<b>+0.11</b>
70%	+17.8	+20.2	+11.3	+0.77	+0.01	+0.20	+0.25	-0.38	+0.02
80%	+27.1	+30.2	+22.6	-4.38	-0.27	+0.35	+0.43	-0.24	-0.03
90%	+40.0	+44.1	+38.2	-11.53	-0.68	+0.56	+0.67	-0.06	-0.10
95%	+50.6	+55.6	+51.1	-17.43	-1.01	+0.73	+0.88	+0.10	-0.16
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	65	65	65	3	3	80	80	39	79
Number of sires	2022	2022	2022	214	214	2925	2925	1352	2513

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

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