

## NZGE Indexes and gBVs - Terminal - Young Ram Percentile Bands

NZGE April 2024

SIL GE# 41556

Young rams

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%	+2540	+299	+1412	+893	+0.036	+5.90	+3.29	+10.38	-1.018	+0.735	+0.318	+0.101	+0.343	+2.165	+1.667
10%	+2290	+258	+1269	+796	+0.031	+5.31	+2.95	+9.31	-0.879	+0.633	+0.272	+0.086	+0.293	+1.948	+1.417
20%	<b>+1987</b>	<b>+207</b>	<b>+1095</b>	<b>+677</b>	<b>+0.025</b>	<b>+4.59</b>	<b>+2.54</b>	<b>+8.01</b>	<b>-0.710</b>	<b>+0.510</b>	<b>+0.217</b>	<b>+0.068</b>	<b>+0.232</b>	<b>+1.685</b>	<b>+1.113</b>
30%	+1769	+171	+970	+592	+0.020	+4.07	+2.25	+7.07	-0.588	+0.421	+0.177	+0.055	+0.188	+1.495	+0.895
50%	<b>+1408</b>	<b>+110</b>	<b>+763</b>	<b>+451</b>	<b>+0.013</b>	<b>+3.22</b>	<b>+1.76</b>	<b>+5.52</b>	<b>-0.387</b>	<b>+0.273</b>	<b>+0.111</b>	<b>+0.033</b>	<b>+0.116</b>	<b>+1.181</b>	<b>+0.533</b>
70%	+1047	+50	+557	+310	+0.006	+2.37	+1.27	+3.97	-0.186	+0.126	+0.045	+0.012	+0.043	+0.867	+0.172
80%	+828	+14	+431	+224	+0.002	+1.85	+0.97	+3.04	-0.064	+0.037	+0.005	-0.001	-0.000	+0.677	-0.047
90%	+525	-37	+258	+106	-0.004	+1.13	+0.56	+1.74	+0.104	-0.087	-0.051	-0.019	-0.061	+0.414	-0.350
95%	+275	-78	+115	+8	-0.009	+0.54	+0.22	+0.66	+0.244	-0.189	-0.096	-0.034	-0.111	+0.197	-0.600
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	104	144	187	123	144	187	187	187	123	123	123	123	123	123	123
Number of young rams	20774	26304	30857	23370	26304	30857	30857	30857	23370	23370	23370	23370	23370	23370	23370

<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 - Young Rams Percentile Bands

NZGE April 2024

SIL GE # 41556

Young rams

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%	+3224	+3414	+3796	+3600	+5272	+3275	+831	+1126	+2439	+233	+1778	+869	+205	+728	+2336	+87	+1003
10%	+2939	+3129	+3457	+3261	+4751	+2988	+737	+992	+2204	+77	+1590	+742	+177	+591	+2036	+68	+845
20%	+2594	+2785	+3047	+2849	+4120	+2640	+624	+830	+1920	-113	+1361	+589	+144	+426	+1673	+44	+654
30%	+2346	+2536	+2751	+2553	+3665	+2389	+542	+713	+1715	-249	+1196	+478	+120	+306	+1410	+28	+516
40%	+2133	+2324	+2498	+2299	+3277	+2175	+472	+613	+1540	-366	+1055	+384	+99	+204	+1186	+14	+398
50%	+1935	+2125	+2261	+2062	+2913	+1975	+407	+519	+1377	-475	+924	+296	+80	+109	+977	+0	+287
60%	+1736	+1927	+2025	+1825	+2550	+1775	+342	+426	+1213	-584	+792	+207	+61	+13	+768	-13	+177
70%	+1523	+1714	+1772	+1572	+2161	+1561	+272	+326	+1038	-700	+651	+113	+40	-89	+543	-27	+59
80%	+1275	+1466	+1476	+1275	+1706	+1310	+190	+209	+833	-837	+486	+2	+16	-208	+281	-44	-79
90%	+930	+1121	+1066	+864	+1076	+962	+77	+46	+549	-1026	+258	-151	-17	-374	-82	-67	-271
95%	+645	+837	+727	+524	+555	+675	-17	-88	+314	-1183	+69	-277	-45	-511	-383	-86	-429
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	141	90	94	64	28	71	201	232	257	160	156	133	107	69	30	87	75
Number of young rams	73187	53105	52264	30888	18849	42959	85977	93076	97359	78829	76897	60977	56709	31708	19147	47525	37887

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## NZGE Indexes - Dual Purpose - Young Rams Percentile Bands

**NZGE April 2024**

SIL GE # 41556

Young Rams

**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%	+3414	+3961	+3792	+5495	+3934	+3415	+4220	+5782	+3898	+6004
10%	+3129	+3629	+3456	+4975	+3596	+3133	+3843	+5271	+3566	+5461
20%	+2785	+3226	+3050	+4345	+3187	+2791	+3386	+4652	+3163	+4804
30%	+2536	+2936	+2757	+3891	+2892	+2545	+3056	+4205	+2872	+4331
40%	+2324	+2688	+2507	+3503	+2640	+2334	+2775	+3824	+2624	+3926
50%	+2125	+2456	+2273	+3141	+2404	+2138	+2512	+3468	+2392	+3548
60%	+1927	+2224	+2039	+2778	+2168	+1941	+2249	+3111	+2160	+3170
70%	+1714	+1976	+1789	+2390	+1916	+1730	+1967	+2730	+1912	+2765
80%	+1466	+1686	+1496	+1936	+1621	+1484	+1638	+2283	+1621	+2291
90%	+1121	+1284	+1090	+1307	+1212	+1142	+1181	+1664	+1218	+1634
95%	+837	+951	+755	+787	+874	+860	+804	+1153	+886	+1092
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	90	66	47	24	49	52	37	22	46	22
Number of young rams	53105	42378	23517	16363	30306	35832	20850	15207	32666	15207

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## NZGE gBVs - Dual Purpose - Young Rams Percentile Bands

NZGE April 2024

SIL GE# 41556

Young rams

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%	+0.33	+0.047	+0.034	+5.08	+2.83	+8.86	+2.88	-1.48	-0.634	+0.465	+0.218	+0.094	+0.246	+1.386	+1.322	+0.568
10%	+0.29	+0.041	+0.029	+4.56	+2.55	+7.98	+2.56	-0.49	-0.504	+0.377	+0.178	+0.078	+0.202	+1.189	+1.057	+0.491
20%	<b>+0.24</b>	<b>+0.035</b>	<b>+0.023</b>	<b>+3.94</b>	<b>+2.21</b>	<b>+6.90</b>	<b>+2.17</b>	<b>+0.71</b>	<b>-0.347</b>	<b>+0.271</b>	<b>+0.130</b>	<b>+0.059</b>	<b>+0.149</b>	<b>+0.949</b>	<b>+0.736</b>	<b>+0.397</b>
30%	+0.21	+0.030	+0.018	+3.49	+1.97	+6.13	+1.89	+1.58	-0.234	+0.194	+0.095	+0.045	+0.111	+0.776	+0.504	+0.330
50%	<b>+0.15</b>	<b>+0.022</b>	<b>+0.011</b>	<b>+2.75</b>	<b>+1.56</b>	<b>+4.85</b>	<b>+1.42</b>	<b>+3.01</b>	<b>-0.047</b>	<b>+0.067</b>	<b>+0.037</b>	<b>+0.022</b>	<b>+0.048</b>	<b>+0.491</b>	<b>+0.122</b>	<b>+0.219</b>
70%	+0.09	+0.014	+0.004	+2.00	+1.16	+3.57	+0.96	+4.43	+0.140	-0.060	-0.020	-0.001	-0.016	+0.206	-0.261	+0.108
80%	+0.06	+0.009	-0.001	+1.55	+0.92	+2.80	+0.67	+5.30	+0.253	-0.136	-0.055	-0.015	-0.054	+0.033	-0.492	+0.040
90%	+0.01	+0.003	-0.007	+0.93	+0.58	+1.73	+0.28	+6.50	+0.410	-0.243	-0.103	-0.034	-0.107	-0.207	-0.813	-0.053
95%	-0.03	-0.003	-0.012	+0.41	+0.30	+0.84	-0.04	+7.49	+0.540	-0.331	-0.143	-0.050	-0.151	-0.404	-1.078	-0.130
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	201	232	232	257	257	257	257	160	133	133	133	133	133	133	133	107
Number of young rams	85977	93076	93076	97359	97359	97359	97359	78829	60977	60977	60977	60977	60977	60977	60977	56709

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

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## NZGE gBVs- Health Traits - Young Rams Percentile Bands

NZGE April 2024

SIL GE# 41556

Young rams

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%	-36.6	-37.1	-54.3	+28.80	+1.26	-0.68	-0.76	-1.05	+0.30
10%	-29.3	-29.4	-45.3	+23.70	+1.03	-0.53	-0.59	-0.91	+0.26
20%	<b>-20.5</b>	<b>-20.0</b>	<b>-34.4</b>	<b>+17.52</b>	<b>+0.74</b>	<b>-0.35</b>	<b>-0.39</b>	<b>-0.75</b>	<b>+0.20</b>
30%	-14.1	-13.3	-26.5	+13.06	+0.54	-0.22	-0.25	-0.63	+0.16
50%	<b>-3.6</b>	<b>-2.1</b>	<b>-13.5</b>	<b>+5.69</b>	<b>+0.20</b>	<b>-0.01</b>	<b>-0.01</b>	<b>-0.44</b>	<b>+0.09</b>
70%	+6.9	+9.0	-0.5	-1.68	-0.14	+0.20	+0.22	-0.24	+0.02
80%	+13.3	+15.8	+7.4	-6.13	-0.34	+0.33	+0.37	-0.13	-0.02
90%	+22.1	+25.1	+18.3	-12.32	-0.63	+0.51	+0.57	+0.04	-0.08
95%	+29.4	+32.8	+27.4	-17.42	-0.86	+0.66	+0.73	+0.17	-0.13
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	70	70	70	6	6	98	98	30	76
Number of young rams	31824	31824	31824	7151	7151	51089	51089	19147	38002

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

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