

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

NZGE February 2023

SIL GE# 40193

Young Rams

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%                         | +2549                                  | +267                           | +1439        | +887        | +0.032   | +6.03        | +3.35        | +10.61           | -1.056        | +0.764             | +0.332        | +0.100        | +0.341        | +2.101        | +1.752            |
| 10%                        | +2307                                  | +229                           | +1297        | +793        | +0.027   | +5.44        | +3.01        | +9.55            | -0.916        | +0.661             | +0.286        | +0.086        | +0.293        | +1.899        | +1.499            |
| 20%                        | <b>+2014</b>                           | <b>+181</b>                    | <b>+1125</b> | <b>+680</b> | <b>+0.022</b>  | <b>+4.73</b> | <b>+2.61</b> | <b>+8.27</b>     | <b>-0.747</b> | <b>+0.537</b>      | <b>+0.231</b> | <b>+0.068</b> | <b>+0.235</b> | <b>+1.654</b> | <b>+1.194</b>     |
| 30%                        | +1802                                  | +148                           | +1001        | +598        | +0.018   | +4.21        | +2.32        | +7.34            | -0.625        | +0.447             | +0.191        | +0.055        | +0.193        | +1.478        | +0.974            |
| 50%                        | <b>+1453</b>                           | <b>+91</b>                     | <b>+797</b>  | <b>+463</b> | <b>+0.011</b>  | <b>+3.36</b> | <b>+1.83</b> | <b>+5.81</b>     | <b>-0.423</b> | <b>+0.298</b>      | <b>+0.125</b> | <b>+0.034</b> | <b>+0.124</b> | <b>+1.186</b> | <b>+0.609</b>     |
| 70%                        | +1103                                  | +35                            | +592         | +328        | +0.004   | +2.51        | +1.35        | +4.28            | -0.221        | +0.150             | +0.059        | +0.013        | +0.055        | +0.894        | +0.245            |
| 80%                        | +891                                   | +1                             | +468         | +246        | +0.000   | +1.99        | +1.06        | +3.35            | -0.099        | +0.060             | +0.020        | -0.000        | +0.013        | +0.717        | +0.025            |
| 90%                        | +598                                   | -46                            | +296         | +132        | -0.005   | +1.27        | +0.65        | +2.07            | +0.070        | -0.064             | -0.036        | -0.018        | -0.045        | +0.472        | -0.281            |
| 95%                        | +356                                   | -85                            | +154         | +39         | -0.010   | +0.68        | +0.32        | +1.01            | +0.210        | -0.167             | -0.081        | -0.033        | -0.093        | +0.270        | -0.533            |
| 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 | 71                                     | 128                            | 164          | 83          | 128  | 164          | 164          | 164              | 83            | 83                 | 83            | 83            | 83            | 83            | 83                |
| Number of sires            | 16971                                  | 23661                          | 28090        | 18738       | 23661  | 28090        | 28090        | 28090            | 18738         | 18738              | 18738         | 18738         | 18738         | 18738         | 18738             |

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

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NZGE Indexes - Dual Purpose - Young Rams Percentile Bands

NZGE February 2023

SIL GE # 40193

Young Rams

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%                         | +3158  | +3268  | +3655   | +3459  | +5036  | +3182  | +837                          | +1141         | +2423       | +205       | +1747                    | +870       | +204  | +751                                   | +2315         | +90       | +976                 |
| 10%                        | +2898  | +3014  | +3343   | +3153  | +4639  | +2912  | +738                          | +1004         | +2192       | +50        | +1567                    | +739       | +176  | +594                                   | +2041         | +70       | +827                 |
| 20%                        | +2584  | +2706  | +2966   | +2783  | +4157  | +2586  | +617                          | +839          | +1911       | -138       | +1348                    | +581       | +142  | +404                                   | +1709         | +46       | +647                 |
| 30%                        | +2357  | +2484  | +2694   | +2517  | +3810  | +2351  | +531                          | +719          | +1709       | -273       | +1190                    | +467       | +118  | +267                                   | +1470         | +29       | +517                 |
| 40%                        | +2164  | +2295  | +2462   | +2289  | +3513  | +2149  | +457                          | +617          | +1536       | -389       | +1056                    | +370       | +97   | +150                                   | +1266         | +14       | +406                 |
| 50%                        | +1982  | +2118  | +2245   | +2076  | +3236  | +1961  | +388                          | +522          | +1375       | -498       | +930                     | +279       | +77   | +40                                    | +1075         | -0        | +302                 |
| 60%                        | +1801  | +1941  | +2028   | +1863  | +2959  | +1773  | +318                          | +426          | +1213       | -606       | +804                     | +188       | +58   | -69                                    | +884          | -14       | +198                 |
| 70%                        | +1608  | +1751  | +1795   | +1635  | +2662  | +1572  | +244                          | +324          | +1040       | -722       | +669                     | +90        | +37   | -186                                   | +680          | -29       | +87                  |
| 80%                        | +1381  | +1530  | +1524   | +1368  | +2315  | +1337  | +158                          | +205          | +838        | -857       | +511                     | -24        | +13   | -323                                   | +441          | -46       | -43                  |
| 90%                        | +1067  | +1222  | +1147   | +998   | +1834  | +1011  | +38                           | +39           | +557        | -1045      | +293                     | -182       | -21   | -514                                   | +109          | -71       | -224                 |
| 95%                        | +807   | +968   | +835  | +692   | +1436  | +741   | -61                           | -98           | +326        | -1201      | +112                     | -312       | -49   | -671                                   | -164          | -91       | -373                 |
| 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 | 131  | 99   | 91  | 58   | 25   | 68   | 192                           | 225           | 253         | 153        | 144                      | 122        | 118   | 63                                     | 27            | 77        | 68                   |
| Number of sires            | 69616  | 57272  | 51481   | 29841  | 16082  | 44310  | 87412                         | 94337         | 100454      | 78411      | 73454                    | 59226      | 63344 | 31419                                  | 17229         | 48236     | 38678                |

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

**NZGE February 2023**

SIL GE # 40193

Young Rams **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%                         | +3268  | +3767   | +3562  | +5066  | +3693  | +3282  | +3972   | +5301   | +3752   | +5496  |
| 10%                        | +3014  | +3463   | +3256  | +4710  | +3397  | +3025  | +3630   | +4930   | +3445   | +5084  |
| 20%                        | +2706  | +3093   | +2887  | +4278  | +3039  | +2713  | +3215   | +4481   | +3074   | +4585  |
| 30%                        | +2484  | +2827   | +2621  | +3967  | +2781  | +2489  | +2917   | +4157   | +2806   | +4225  |
| 40%                        | +2295  | +2600   | +2393  | +3701  | +2560  | +2297  | +2661   | +3880   | +2577   | +3918  |
| 50%                        | +2118  | +2387   | +2180  | +3453  | +2354  | +2118  | +2423   | +3621   | +2363   | +3631  |
| 60%                        | +1941  | +2174   | +1968  | +3205  | +2148  | +1939  | +2184   | +3362   | +2149   | +3343  |
| 70%                        | +1751  | +1947   | +1740  | +2939  | +1928  | +1747  | +1929   | +3086   | +1920   | +3036  |
| 80%                        | +1530  | +1681   | +1473  | +2628  | +1669  | +1522  | +1630   | +2762   | +1652   | +2676  |
| 90%                        | +1222  | +1311   | +1104  | +2196  | +1311  | +1211  | +1216   | +2312   | +1280   | +2177  |
| 95%                        | +968   | +1007   | +799   | +1840  | +1016  | +954   | +874  | +1941   | +973  | +1765  |
| 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 | 99   | 75  | 50   | 23   | 48   | 56   | 40  | 22  | 48  | 22   |
| Number of sires            | 57272  | 45925   | 26388  | 15165  | 32280  | 38643  | 22882   | 14887   | 34929   | 14887  |

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NZGE gBVs - Dual Purpose - Young Rams Percentile Bands

NZGE February 2023

SIL GE# 40193

Young Rams

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          | LNLy          | HQLY          | CWY           | EMAc <sup>1</sup> | FW12          |
| 5%                         | +0.33   | +0.048        | +0.033        | +5.14        | +2.81        | +8.99            | +2.80        | -1.30        | -0.658        | +0.512             | +0.240        | +0.089        | +0.252        | +1.368        | +1.297            | +0.564        |
| 10%                        | +0.29   | +0.042        | +0.028        | +4.63        | +2.54        | +8.10            | +2.47        | -0.32        | -0.517        | +0.409             | +0.194        | +0.074        | +0.204        | +1.173        | +1.038            | +0.486        |
| 20%                        | <b>+0.24</b>  | <b>+0.035</b> | <b>+0.022</b> | <b>+4.00</b> | <b>+2.20</b> | <b>+7.03</b>     | <b>+2.08</b> | <b>+0.87</b> | <b>-0.347</b> | <b>+0.286</b>      | <b>+0.137</b> | <b>+0.055</b> | <b>+0.146</b> | <b>+0.936</b> | <b>+0.725</b>     | <b>+0.392</b> |
| 30%                        | +0.20   | +0.030        | +0.018        | +3.56        | +1.96        | +6.26            | +1.79        | +1.73        | -0.224        | +0.196             | +0.096        | +0.041        | +0.105        | +0.765        | +0.499            | +0.324        |
| 50%                        | <b>+0.14</b>  | <b>+0.022</b> | <b>+0.011</b> | <b>+2.82</b> | <b>+1.57</b> | <b>+4.98</b>     | <b>+1.32</b> | <b>+3.15</b> | <b>-0.022</b> | <b>+0.048</b>      | <b>+0.029</b> | <b>+0.019</b> | <b>+0.036</b> | <b>+0.483</b> | <b>+0.126</b>     | <b>+0.212</b> |
| 70%                        | +0.08   | +0.014        | +0.004        | +2.08        | +1.17        | +3.70            | +0.85        | +4.57        | +0.181        | -0.099             | -0.039        | -0.004        | -0.033        | +0.201        | -0.247            | +0.100        |
| 80%                        | +0.05   | +0.009        | -0.001        | +1.63        | +0.93        | +2.93            | +0.56        | +5.43        | +0.304        | -0.189             | -0.080        | -0.017        | -0.075        | +0.030        | -0.473            | +0.032        |
| 90%                        | -0.00   | +0.003        | -0.007        | +1.01        | +0.60        | +1.85            | +0.17        | +6.62        | +0.474        | -0.312             | -0.136        | -0.036        | -0.133        | -0.206        | -0.786            | -0.062        |
| 95%                        | -0.04   | -0.003        | -0.012        | +0.49        | +0.32        | +0.97            | -0.16        | +7.60        | +0.615        | -0.415             | -0.183        | -0.052        | -0.181        | -0.402        | -1.045            | -0.140        |
| 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 | 192   | 225           | 225           | 253          | 253          | 253              | 253          | 153          | 122           | 122                | 122           | 122           | 122           | 122           | 122               | 118           |
| Number of sires            | 87412   | 94337         | 94337         | 100454       | 100454       | 100454           | 100454       | 78411        | 59226         | 59226              | 59226         | 59226         | 59226         | 59226         | 59226             | 63344         |

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

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NZGE gBVs- Health Traits - Young Rams Percentile Bands

NZGE February 2023

SIL GE# 40193

Young Rams 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%                         | -36.8  | -38.5 | -56.7 | +28.11 | +1.32 | -0.68 | -0.81 | -1.04 | +0.30 |
| 10%                        | -28.5  | -29.6 | -46.5 | +23.61 | +1.10 | -0.53 | -0.64 | -0.92 | +0.25 |
| 20%                        | -18.5  | -18.9 | -34.2 | +18.15 | +0.84 | -0.35 | -0.43 | -0.77 | +0.20 |
| 30%                        | -11.3  | -11.1 | -25.3 | +14.22 | +0.64 | -0.22 | -0.27 | -0.66 | +0.16 |
| 50%                        | +0.6   | +1.7  | -10.6 | +7.71  | +0.32 | +0.00 | -0.02 | -0.48 | +0.09 |
| 70%                        | +12.5  | +14.5 | +4.2  | +1.21  | +0.01 | +0.22 | +0.24 | -0.31 | +0.03 |
| 80%                        | +19.7  | +22.2 | +13.1 | -2.73  | -0.19 | +0.35 | +0.39 | -0.20 | -0.01 |
| 90%                        | +29.7  | +32.9 | +25.4 | -8.18  | -0.45 | +0.53 | +0.60 | -0.05 | -0.07 |
| 95%                        | +37.9  | +41.8 | +35.6 | -12.69 | -0.67 | +0.68 | +0.78 | +0.07 | -0.11 |
| Units                      | %  | %     | %     | days   | kg    | score | score |       | score |
| Number of connected flocks | 64   | 64    | 64    | 5      | 5     | 86    | 86    | 27    | 69    |
| Number of sires            | 31588  | 31588 | 31588 | 7167   | 7167  | 51516 | 51516 | 17229 | 38848 |

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

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