

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

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NZGE June 2018

SIL GE# 35701

Rams born in 2015-2017

| 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          | EMAc <sup>1</sup> |
| 5%                         | +1605                                  | +167                           | +1070       | +486        | +0.028   | +5.41        | +3.08        | +9.42            | -1.335        | +1.105             | +0.374        | +0.308        | +0.433        | +2.268            |
| 10%                        | +1472                                  | +141                           | +971        | +433        | +0.023   | +4.91        | +2.79        | +8.54            | -1.189        | +0.974             | +0.329        | +0.271        | +0.382        | +1.998            |
| 20%                        | <b>+1309</b>                           | <b>+108</b>                    | <b>+851</b> | <b>+368</b> | <b>+0.018</b>  | <b>+4.31</b> | <b>+2.44</b> | <b>+7.47</b>     | <b>-1.012</b> | <b>+0.816</b>      | <b>+0.275</b> | <b>+0.226</b> | <b>+0.320</b> | <b>+1.671</b>     |
| 30%                        | +1192                                  | +85                            | +765        | +322        | +0.014   | +3.87        | +2.19        | +6.70            | -0.884        | +0.702             | +0.235        | +0.194        | +0.276        | +1.435            |
| 50%                        | <b>+999</b>                            | <b>+47</b>                     | <b>+622</b> | <b>+245</b> | <b>+0.008</b>  | <b>+3.15</b> | <b>+1.77</b> | <b>+5.43</b>     | <b>-0.672</b> | <b>+0.513</b>      | <b>+0.170</b> | <b>+0.141</b> | <b>+0.202</b> | <b>+1.045</b>     |
| 70%                        | +806                                   | +8                             | +479        | +168        | +0.001   | +2.43        | +1.35        | +4.16            | -0.461        | +0.325             | +0.105        | +0.088        | +0.128        | +0.655            |
| 80%                        | +689                                   | -15                            | +393        | +121        | -0.002   | +1.99        | +1.10        | +3.39            | -0.333        | +0.211             | +0.065        | +0.056        | 0.000         | +0.419            |
| 90%                        | +527                                   | -48                            | +273        | +57         | -0.008   | +1.39        | +0.75        | +2.32            | -0.156        | +0.052             | +0.011        | +0.011        | +0.022        | +0.091            |
| 95%                        | +393                                   | -74                            | +175        | +3          | -0.012   | +0.89        | +0.46        | +1.44            | -0.009        | -0.078             | -0.034        | -0.026        | -0.029        | -0.179            |
| 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       | sq. cm            |
| Number of connected flocks | 91                                     | 137                            | 173         | 99          | 137  | 173          | 173          | 173              | 99            | 99                 | 99            | 99            | 99            | 99                |
| Number of rams             | 17793                                  | 24781                          | 28345       | 18392       | 24781  | 28345        | 28345        | 28345            | 18392         | 18392              | 18392         | 18392         | 18392         | 18392             |

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

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# NZGE Indexes - Dual Purpose - Young Ram Percentile Bands

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NZGE June 2018

SIL GE # 35701

Rams born in 2015-2017

| Threshold to be in top X%  | NZGE Dual Purpose Indexes                                  |   |  |  |  | NZGE Dual Purpose Sub-indexes |               |             |            |                          |            |       |  |               |           |                      |
|----------------------------|--|---|--|--|--|-------------------------------|---------------|-------------|------------|--------------------------|------------|-------|--|---------------|-----------|----------------------|
|                            | NZMW   | MW +M   | MW +F  | MW +X  | MW +D  | DPCR                          | DPS           | DPG         | DPA        | DPG+ DPA                 | DPM        | DPW   | DPF                                    | DPX           | DPD       | DPBC                 |
| 5%                         | +2708  | +2863   | +2898  | +4566  | +2880  | +731                          | +639          | +2162       | +181       | +1455                    | +340       | +370  | +533                                   | +2030         | +79       | +493                 |
| 10%                        | +2471  | +2613   | +2649  | +4168  | +2621  | +638                          | +554          | +1958       | +43        | +1304                    | +276       | +324  | +430                                   | +1758         | +64       | +417                 |
| 20%                        | +2183  | +2310   | +2348  | +3685  | +2307  | +525                          | +450          | +1710       | -124       | +1121                    | +198       | +268  | +305                                   | +1429         | +45       | +325                 |
| 30%                        | +1976  | +2092   | +2131  | +3338  | +2080  | +444                          | +376          | +1532       | -244       | +989                     | +141       | +228  | +215                                   | +1191         | +32       | +259                 |
| 40%                        | +1799  | +1906   | +1945  | +3040  | +1887  | +374                          | +312          | +1379       | -347       | +876                     | +93        | +194  | +139                                   | +989          | +20       | +202                 |
| 50%                        | +1633  | +1732   | +1772  | +2763  | +1706  | +309                          | +253          | +1237       | -443       | +770                     | +48        | +161  | +67                                    | +799          | +10       | +149                 |
| 60%                        | +1468  | +1558   | +1598  | +2485  | +1525  | +245                          | +193          | +1095       | -540       | +665                     | +3         | +129  | -5                                     | +609          | -1        | +96                  |
| 70%                        | +1291  | +1371   | +1413  | +2188  | +1331  | +175                          | +130          | +942        | -642       | +552                     | -45        | +95   | -81                                    | +406          | -12       | +39                  |
| 80%                        | +1083  | +1153   | +1196  | +1840  | +1105  | +94                           | +55           | +764        | -763       | +419                     | -101       | +55   | -171                                   | +169          | -25       | -27                  |
| 90%                        | +796   | +851  | +895   | +1358  | +791   | -19                           | -48           | +516        | -930       | +236                     | -179       | -1    | -296                                   | -160          | -44       | -119                 |
| 95%                        | +558   | +601  | +646   | +959   | +532   | -112                          | -133          | +312        | -1068      | +85                      | -243       | -47   | -399                                   | -432          | -59       | -195                 |
| 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 *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 | 132  | 94  | 38   | 27   | 28   | 224                           | 238           | 268         | 154        | 268                      | 153        | 146   | 40                                     | 37            | 36        | 61                   |
| Number of rams             | 72719  | 53057   | 18556  | 16490  | 18285  | 96461                         | 96192         | 102160      | 80651      | 102160                   | 64398      | 76349 | 18968                                  | 19588         | 19781     | 35978                |

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# NZGE gBV's - Dual Purpose - Young Ram Percentile Bands

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NZGE June 2018

SIL GE# 35701

Rams born in 2015-2017

| 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          | EMAc <sup>1</sup> | FW12          |
| 5%                         | +0.31   | +0.036        | +0.028        | +5.00        | +2.85        | +8.72            | +2.35        | -1.23        | -0.852        | +0.593             | +0.204        | +0.162        | +0.234        | +1.401            | +0.634        |
| 10%                        | +0.27   | +0.031        | +0.023        | +4.51        | +2.58        | +7.88            | +2.06        | -0.29        | -0.717        | +0.482             | +0.166        | +0.130        | +0.191        | +1.122            | +0.556        |
| 20%                        | <b>+0.22</b>  | <b>+0.025</b> | <b>+0.018</b> | <b>+3.92</b> | <b>+2.24</b> | <b>+6.87</b>     | <b>+1.71</b> | <b>+0.84</b> | <b>-0.553</b> | <b>+0.347</b>      | <b>+0.120</b> | <b>+0.091</b> | <b>+0.139</b> | <b>+0.784</b>     | <b>+0.461</b> |
| 30%                        | +0.19   | +0.021        | +0.014        | +3.49        | +2.01        | +6.14            | +1.46        | +1.66        | -0.435        | +0.249             | +0.087        | +0.063        | +0.102        | +0.540            | +0.392        |
| 50%                        | <b>+0.13</b>  | <b>+0.014</b> | <b>+0.008</b> | <b>+2.78</b> | <b>+1.61</b> | <b>+4.93</b>     | <b>+1.04</b> | <b>+3.02</b> | <b>-0.240</b> | <b>+0.089</b>      | <b>+0.033</b> | <b>+0.016</b> | <b>+0.040</b> | <b>+0.137</b>     | <b>+0.279</b> |
| 70%                        | +0.07   | +0.006        | +0.001        | +2.07        | +1.22        | +3.73            | +0.62        | +4.37        | -0.045        | -0.072             | -0.022        | -0.031        | -0.022        | -0.266            | +0.166        |
| 80%                        | +0.03   | +0.002        | -0.002        | +1.64        | +0.98        | +3.00            | +0.37        | +5.19        | +0.074        | -0.170             | -0.055        | -0.059        | -0.060        | -0.509            | +0.097        |
| 90%                        | -0.02   | -0.004        | -0.008        | +1.05        | +0.65        | +1.99            | +0.02        | +6.33        | +0.237        | -0.305             | -0.101        | -0.098        | -0.111        | -0.847            | +0.002        |
| 95%                        | -0.06   | -0.009        | -0.012        | +0.56        | +0.37        | +1.15            | -0.27        | +7.26        | +0.373        | -0.416             | -0.138        | -0.130        | -0.154        | -1.127            | -0.076        |
| Units                      | x100 =%   | x100 =%       | x100 =%       | kg           | kg           | kg               | kg           | kg           | kg fat        | kg lean            | kg lean       | kg lean       | kg lean       | sq. cm            | kg            |
| Number of connected flocks | 224   | 238           | 238           | 268          | 268          | 268              | 268          | 154          | 153           | 153                | 153           | 153           | 153           | 153               | 146           |
| Number of rams             | 96461   | 96192         | 96192         | 102160       | 102160       | 102160           | 102160       | 80651        | 64398         | 64398              | 64398         | 64398         | 64398         | 64398             | 76349         |

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

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# NZGE gBVs - Health traits - Young Ram Percentile Bands

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NZGE June 2018

SIL GE# 35701

Rams born in

2015-2017

| Threshold<br>to be in top<br>X% | NZGE - estimated Breeding Values (gBV) for<br>Health Traits - DP & TS flocks combined |       |       |        |       |       |       |       |       |
|---------------------------------|---|-------|-------|--------|-------|-------|-------|-------|-------|
|                                 | FEC1  | FEC2  | AFEC  | DRAGE  | RGAIN | LDAG  | ADAG  | GGT21 | BCS   |
| 5%                              | -33.2   | -35.6 | -51.5 | +43.43 | +1.06 | -0.70 | -0.60 | -1.04 | +0.26 |
| 10%                             | -25.9   | -27.8 | -43.7 | +38.97 | +0.87 | -0.57 | -0.49 | -0.90 | +0.22 |
| 20%                             | -17.1   | -18.4 | -34.2 | +33.58 | +0.65 | -0.40 | -0.34 | -0.73 | +0.17 |
| 30%                             | -10.7   | -11.7 | -27.4 | +29.69 | +0.49 | -0.28 | -0.24 | -0.61 | +0.14 |
| 50%                             | -0.2  | -0.5  | -16.1 | +23.26 | +0.22 | -0.08 | -0.07 | -0.41 | +0.08 |
| 70%                             | +10.3   | +10.7 | -4.9  | +16.83 | -0.05 | +0.11 | +0.10 | -0.21 | +0.02 |
| 80%                             | +16.6   | +17.5 | +2.0  | +12.94 | -0.21 | +0.23 | +0.20 | -0.09 | -0.01 |
| 90%                             | +25.4   | +26.9 | +11.4 | +7.55  | -0.43 | +0.40 | +0.35 | +0.08 | -0.06 |
| 95%                             | +32.7   | +34.6 | +19.2 | +3.10  | -0.62 | +0.53 | +0.47 | +0.22 | -0.10 |
| Units                           | %   | %     | %     | days   | kg    | score | score |       | score |
| Number of<br>connected flocks   | 40  | 40    | 40    | 5      | 5     | 39    | 39    | 37    | 64    |
| Number of<br>rams               | 18968   | 18968 | 18968 | 1449   | 1449  | 20953 | 20953 | 19588 | 37006 |

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

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