

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

NZGE December 2024

SIL GE# 42010

Young rams

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          | LNLY          | HQLY          | CWY           | EMAc <sup>1</sup> |
| 5%                         | +2486                                  | +291                           | +1453        | +851        | +0.035                                               | +6.06        | +3.39        | +10.61           | -0.951        | +0.672             | +0.291        | +0.093        | +0.310        | +2.097        | +1.643            |
| 10%                        | +2238                                  | +249                           | +1308        | +756        | +0.030                                               | +5.46        | +3.05        | +9.53            | -0.818        | +0.576             | +0.248        | +0.079        | +0.264        | +1.885        | +1.394            |
| 20%                        | <b>+1938</b>                           | <b>+200</b>                    | <b>+1132</b> | <b>+642</b> | <b>+0.024</b>                                        | <b>+4.74</b> | <b>+2.63</b> | <b>+8.23</b>     | <b>-0.657</b> | <b>+0.461</b>      | <b>+0.195</b> | <b>+0.062</b> | <b>+0.208</b> | <b>+1.627</b> | <b>+1.092</b>     |
| 30%                        | +1721                                  | +164                           | +1005        | +559        | +0.020                                               | +4.21        | +2.33        | +7.29            | -0.540        | +0.377             | +0.158        | +0.049        | +0.167        | +1.442        | +0.874            |
| 50%                        | <b>+1363</b>                           | <b>+104</b>                    | <b>+795</b>  | <b>+423</b> | <b>+0.012</b>                                        | <b>+3.35</b> | <b>+1.83</b> | <b>+5.73</b>     | <b>-0.348</b> | <b>+0.240</b>      | <b>+0.096</b> | <b>+0.029</b> | <b>+0.100</b> | <b>+1.135</b> | <b>+0.515</b>     |
| 70%                        | +1006                                  | +45                            | +585         | +286        | +0.005                                               | +2.48        | +1.33        | +4.17            | -0.156        | +0.102             | +0.034        | +0.009        | +0.032        | +0.829        | +0.155            |
| 80%                        | +789                                   | +9                             | +457         | +204        | +0.001                                               | +1.96        | +1.03        | +3.23            | -0.040        | +0.018             | -0.004        | -0.003        | -0.008        | +0.643        | -0.062            |
| 90%                        | +489                                   | -41                            | +281         | +89         | -0.005                                               | +1.24        | +0.61        | +1.92            | +0.121        | -0.097             | -0.056        | -0.020        | -0.065        | +0.386        | -0.364            |
| 95%                        | +241                                   | -82                            | +136         | -5          | -0.010                                               | +0.64        | +0.27        | +0.85            | +0.254        | -0.193             | -0.099        | -0.034        | -0.111        | +0.173        | -0.613            |
| 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 | 112                                    | 146                            | 175          | 126         | 146                                                  | 175          | 175          | 175              | 126           | 126                | 126           | 126           | 126           | 126           | 126               |
| Number of young rams       | 25371                                  | 29539                          | 32387        | 27345       | 29539                                                | 32387        | 32387        | 32387            | 27345         | 27345              | 27345         | 27345         | 27345         | 27345         | 27345             |

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

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# NZGE Indexes - Dual Purpose - Young Rams Percentile Bands

NZGE December 2024

SIL GE # 42010

Young rams

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%                         | +3275                                                | +3483                                                      | +3834                                             | +3582                                          | +5558                                                      | +3289                                            | +819                          | +1162         | +2485       | +210       | +1832                    | +852       | +204  | +769                                   | +2736         | +86       | +999                 |
| 10%                        | +2989                                                | +3196                                                      | +3491                                             | +3262                                          | +5031                                                      | +3006                                            | +725                          | +1028         | +2248       | +57        | +1641                    | +730       | +177  | +622                                   | +2382         | +68       | +846                 |
| 20%                        | +2642                                                | +2849                                                      | +3075                                             | +2875                                          | +4393                                                      | +2662                                            | +611                          | +866          | +1962       | -129       | +1408                    | +582       | +144  | +444                                   | +1954         | +46       | +661                 |
| 30%                        | +2393                                                | +2599                                                      | +2776                                             | +2595                                          | +3933                                                      | +2415                                            | +529                          | +749          | +1755       | -263       | +1241                    | +475       | +120  | +316                                   | +1646         | +30       | +527                 |
| 40%                        | +2179                                                | +2385                                                      | +2519                                             | +2357                                          | +3539                                                      | +2203                                            | +458                          | +650          | +1579       | -378       | +1098                    | +383       | +100  | +206                                   | +1382         | +16       | +413                 |
| 50%                        | +1980                                                | +2185                                                      | +2280                                             | +2134                                          | +3172                                                      | +2005                                            | +393                          | +556          | +1414       | -485       | +964                     | +298       | +81   | +104                                   | +1136         | +3        | +306                 |
| 60%                        | +1780                                                | +1985                                                      | +2041                                             | +1911                                          | +2804                                                      | +1807                                            | +327                          | +463          | +1249       | -592       | +830                     | +212       | +62   | +2                                     | +889          | -10       | +200                 |
| 70%                        | +1567                                                | +1772                                                      | +1785                                             | +1672                                          | +2411                                                      | +1596                                            | +257                          | +363          | +1072       | -706       | +687                     | +121       | +42   | -108                                   | +625          | -23       | +86                  |
| 80%                        | +1317                                                | +1521                                                      | +1485                                             | +1393                                          | +1950                                                      | +1348                                            | +174                          | +247          | +866        | -840       | +520                     | +14        | +18   | -236                                   | +317          | -40       | -48                  |
| 90%                        | +970                                                 | +1174                                                      | +1069                                             | +1006                                          | +1312                                                      | +1005                                            | +60                           | +85           | +579        | -1026      | +288                     | -134       | -15   | -414                                   | -111          | -62       | -233                 |
| 95%                        | +684                                                 | +888                                                       | +726                                              | +686                                           | +785                                                       | +721                                             | -34                           | -49           | +343        | -1180      | +96                      | -257       | -43   | -560                                   | -465          | -80       | -386                 |
| 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 | 148                                                  | 92                                                         | 112                                               | 65                                             | 33                                                         | 79                                               | 206                           | 218           | 246         | 169        | 166                      | 146        | 111   | 69                                     | 36            | 95        | 81                   |
| Number of young rams       | 77022                                                | 56123                                                      | 61458                                             | 32558                                          | 21499                                                      | 49355                                            | 92641                         | 91837         | 98908       | 83423      | 81749                    | 70066      | 60452 | 33673                                  | 22292         | 53547     | 40939                |

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

**NZGE December 2024**

**SIL GE # 42010**

**Young Rams**

**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%                         | +3483                                                      | +4062                                                   | +3798                                                | +5793                                                      | +3993                                                  | +3478                                                                      | +4241                                                                     | +5793                                                                           | +3985                                                                 | +6052                                                                                    |
| 10%                        | +3196                                                      | +3722                                                   | +3478                                                | +5280                                                      | +3665                                                  | +3193                                                                      | +3882                                                                     | +5316                                                                           | +3649                                                                 | +5536                                                                                    |
| 20%                        | +2849                                                      | +3311                                                   | +3089                                                | +4658                                                      | +3268                                                  | +2847                                                                      | +3448                                                                     | +4738                                                                           | +3242                                                                 | +4911                                                                                    |
| 30%                        | +2599                                                      | +3014                                                   | +2809                                                | +4210                                                      | +2981                                                  | +2598                                                                      | +3134                                                                     | +4322                                                                           | +2948                                                                 | +4461                                                                                    |
| 40%                        | +2385                                                      | +2761                                                   | +2570                                                | +3826                                                      | +2737                                                  | +2385                                                                      | +2866                                                                     | +3966                                                                           | +2697                                                                 | +4076                                                                                    |
| 50%                        | +2185                                                      | +2524                                                   | +2346                                                | +3468                                                      | +2508                                                  | +2186                                                                      | +2616                                                                     | +3633                                                                           | +2463                                                                 | +3716                                                                                    |
| 60%                        | +1985                                                      | +2287                                                   | +2122                                                | +3110                                                      | +2279                                                  | +1986                                                                      | +2365                                                                     | +3301                                                                           | +2228                                                                 | +3356                                                                                    |
| 70%                        | +1772                                                      | +2033                                                   | +1883                                                | +2727                                                      | +2034                                                  | +1773                                                                      | +2098                                                                     | +2945                                                                           | +1977                                                                 | +2971                                                                                    |
| 80%                        | +1521                                                      | +1737                                                   | +1603                                                | +2279                                                      | +1748                                                  | +1524                                                                      | +1784                                                                     | +2529                                                                           | +1684                                                                 | +2520                                                                                    |
| 90%                        | +1174                                                      | +1325                                                   | +1214                                                | +1657                                                      | +1351                                                  | +1178                                                                      | +1349                                                                     | +1951                                                                           | +1276                                                                 | +1895                                                                                    |
| 95%                        | +888                                                       | +985                                                    | +894                                                 | +1144                                                      | +1022                                                  | +893                                                                       | +990                                                                      | +1474                                                                           | +940                                                                  | +1379                                                                                    |
| 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 | 92                                                         | 70                                                      | 46                                                   | 28                                                         | 52                                                     | 56                                                                         | 38                                                                        | 21                                                                              | 48                                                                    | 21                                                                                       |
| Number of young rams       | 56123                                                      | 44271                                                   | 23909                                                | 18026                                                      | 31256                                                  | 39008                                                                      | 21010                                                                     | 15215                                                                           | 35187                                                                 | 15215                                                                                    |

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

NZGE December 2024

SIL GE# 42010

Young rams

2023

| Threshold<br>to be in top<br>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%                               | +0.32                                               | +0.048        | +0.034        | +5.17        | +2.88        | +9.00            | +2.91        | -1.33        | -0.594        | +0.439             | +0.205        | +0.089        | +0.233        | +1.367        | +1.282            | +0.568        |
| 10%                              | +0.28                                               | +0.043        | +0.029        | +4.65        | +2.60        | +8.11            | +2.59        | -0.36        | -0.469        | +0.354             | +0.166        | +0.074        | +0.191        | +1.178        | +1.026            | +0.492        |
| 20%                              | <b>+0.24</b>                                        | <b>+0.036</b> | <b>+0.024</b> | <b>+4.01</b> | <b>+2.26</b> | <b>+7.03</b>     | <b>+2.21</b> | <b>+0.82</b> | <b>-0.318</b> | <b>+0.251</b>      | <b>+0.119</b> | <b>+0.056</b> | <b>+0.139</b> | <b>+0.949</b> | <b>+0.717</b>     | <b>+0.399</b> |
| 30%                              | +0.20                                               | +0.031        | +0.019        | +3.56        | +2.01        | +6.25            | +1.93        | +1.66        | -0.209        | +0.176             | +0.086        | +0.043        | +0.102        | +0.784        | +0.494            | +0.332        |
| 50%                              | <b>+0.15</b>                                        | <b>+0.023</b> | <b>+0.012</b> | <b>+2.80</b> | <b>+1.61</b> | <b>+4.96</b>     | <b>+1.47</b> | <b>+3.07</b> | <b>-0.029</b> | <b>+0.054</b>      | <b>+0.030</b> | <b>+0.021</b> | <b>+0.041</b> | <b>+0.511</b> | <b>+0.125</b>     | <b>+0.222</b> |
| 70%                              | +0.09                                               | +0.015        | +0.005        | +2.05        | +1.20        | +3.68            | +1.01        | +4.47        | +0.152        | -0.069             | -0.026        | -0.000        | -0.020        | +0.239        | -0.243            | +0.112        |
| 80%                              | +0.05                                               | +0.010        | +0.001        | +1.59        | +0.96        | +2.90            | +0.74        | +5.32        | +0.261        | -0.143             | -0.059        | -0.013        | -0.057        | +0.074        | -0.466            | +0.045        |
| 90%                              | +0.01                                               | +0.004        | -0.005        | +0.96        | +0.62        | +1.82            | +0.35        | +6.49        | +0.412        | -0.246             | -0.106        | -0.031        | -0.108        | -0.155        | -0.775            | -0.047        |
| 95%                              | -0.03                                               | -0.002        | -0.010        | +0.44        | +0.34        | +0.93            | +0.03        | +7.47        | +0.537        | -0.331             | -0.145        | -0.046        | -0.150        | -0.344        | -1.031            | -0.124        |
| 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<br>connected<br>flocks | 206                                                 | 218           | 218           | 246          | 246          | 246              | 246          | 169          | 146           | 146                | 146           | 146           | 146           | 146           | 146               | 111           |
| Number of<br>young rams          | 92641                                               | 91837         | 91837         | 98908        | 98908        | 98908            | 98908        | 83423        | 70066         | 70066              | 70066         | 70066         | 70066         | 70066         | 70066             | 60452         |

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

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

NZGE December 2024

SIL GE# 42010

Young rams

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%                         | -38.5                                                                              | -39.3 | -55.1 | +29.63 | +1.24 | -0.68 | -0.75 | -1.22 | +0.31 |
| 10%                        | -30.7                                                                              | -31.0 | -45.9 | +24.68 | +1.01 | -0.54 | -0.59 | -1.06 | +0.26 |
| 20%                        | -21.3                                                                              | -20.9 | -34.8 | +18.68 | +0.74 | -0.37 | -0.40 | -0.86 | +0.21 |
| 30%                        | -14.5                                                                              | -13.7 | -26.8 | +14.36 | +0.54 | -0.24 | -0.26 | -0.72 | +0.16 |
| 50%                        | -3.3                                                                               | -1.7  | -13.6 | +7.21  | +0.22 | -0.04 | -0.03 | -0.48 | +0.10 |
| 70%                        | +8.0                                                                               | +10.4 | -0.3  | +0.06  | -0.11 | +0.17 | +0.20 | -0.24 | +0.03 |
| 80%                        | +14.8                                                                              | +17.6 | +7.7  | -4.27  | -0.31 | +0.29 | +0.34 | -0.10 | -0.01 |
| 90%                        | +24.2                                                                              | +27.7 | +18.8 | -10.27 | -0.58 | +0.46 | +0.54 | +0.10 | -0.07 |
| 95%                        | +32.0                                                                              | +36.0 | +28.0 | -15.22 | -0.81 | +0.61 | +0.70 | +0.26 | -0.12 |
| Units                      | %                                                                                  | %     | %     | days   | kg    | score | score |       | score |
| Number of connected flocks | 70                                                                                 | 70    | 70    | 6      | 6     | 107   | 107   | 37    | 83    |
| Number of young rams       | 33770                                                                              | 33770 | 33770 | 7557   | 7557  | 57673 | 57673 | 23348 | 42092 |

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

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