

**PINZGAUER**

**BREEDING VALUE REPORT**

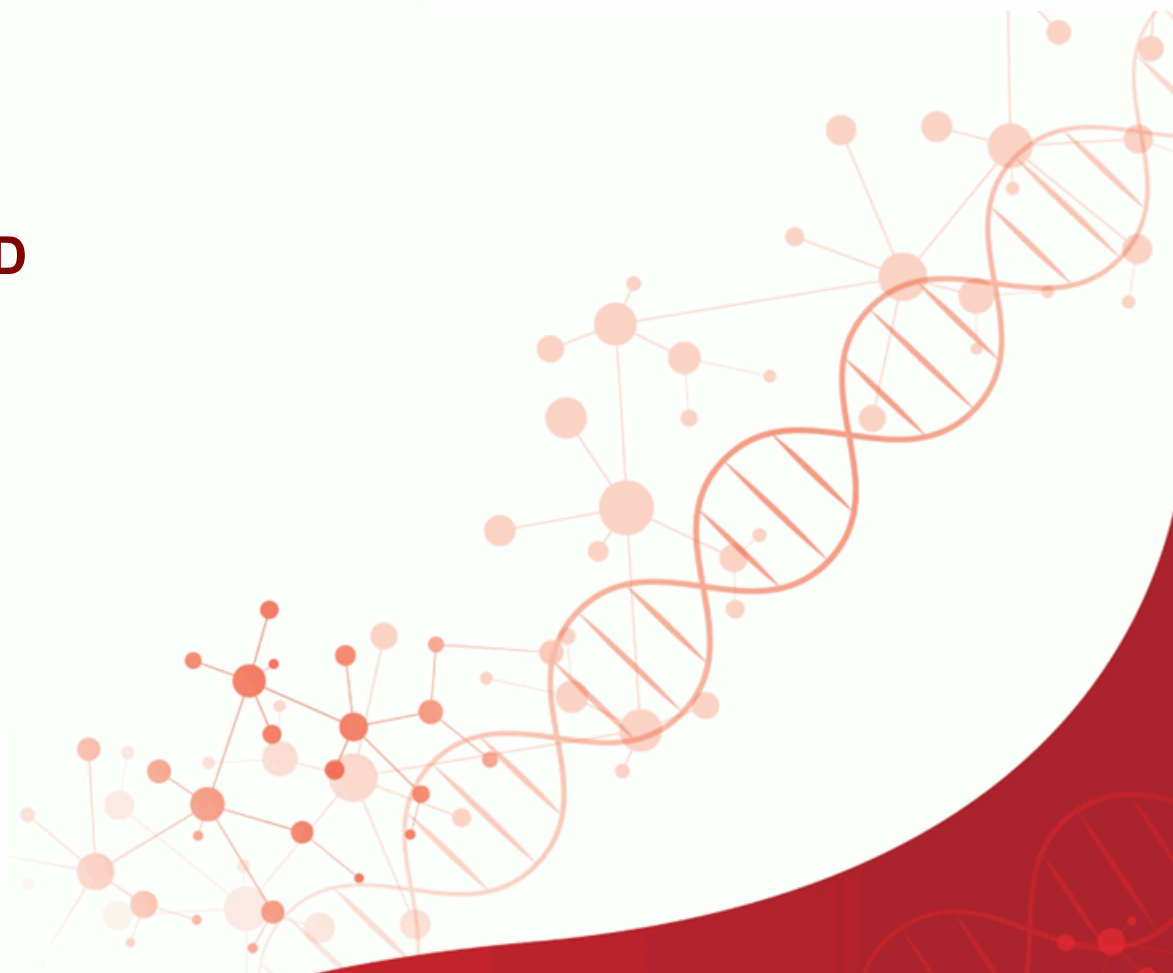
August 2026



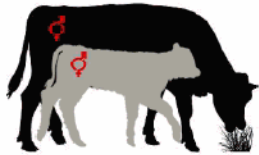
**FEATHERSTON PINZGAUER STUD**

Herd Number: 607501

E-mail: featherston@iuncapped.co.za



# EBVs, EBVi's and Selection Values



## Logix Cow Value

Selecting for:

- fertile,
- low maintenance,
- easy calving cows
- with heavy weaners

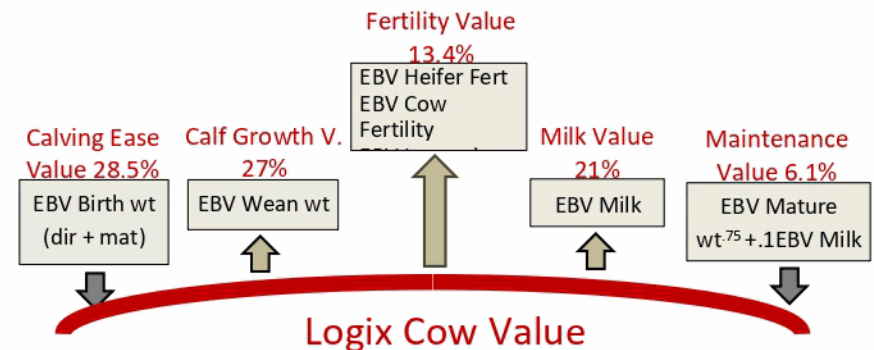
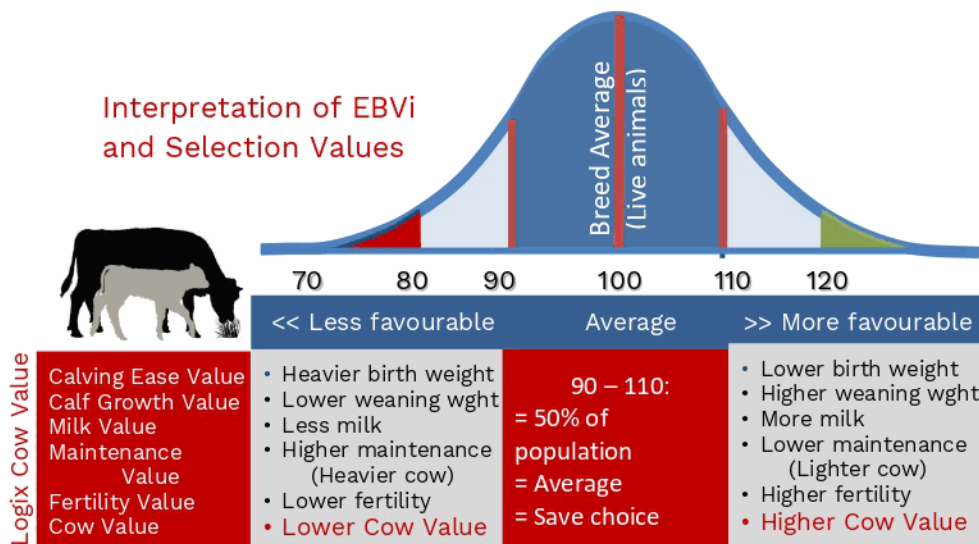
**EBVi (EBVindex):** The average EBVi of all the live animals in the breed is 100, and all EBVi values are expressed relative to this value. Values above 100 are always in a more desirable direction. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values may be better.

**EBV: (Estimated Breeding Value)** indicates the genetic potential of the animal for a specific trait. It is presented in the unit of measurement and relative to the average of animals born in the base year (2017).

**Selection values** combine similar breeding values in a scientific manner to simplify the selection of animals. For example, HF (Heifer Fertility), CF (Cow Fertility) and Longevity are combined to form the Fertility Value by taking the heritability and economic importance in consideration. The sub-value is expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the live animals in the breed.

**Cow Value** combine relative selection values into a single value. This gives a quick and easy indication of the combined genetic value of an animal compared to the breed. It is advised to still look at the sub-values to see where the strengths and weaknesses lie.

## Interpretation of EBVi and Selection Values



**SABeefBulls.com**

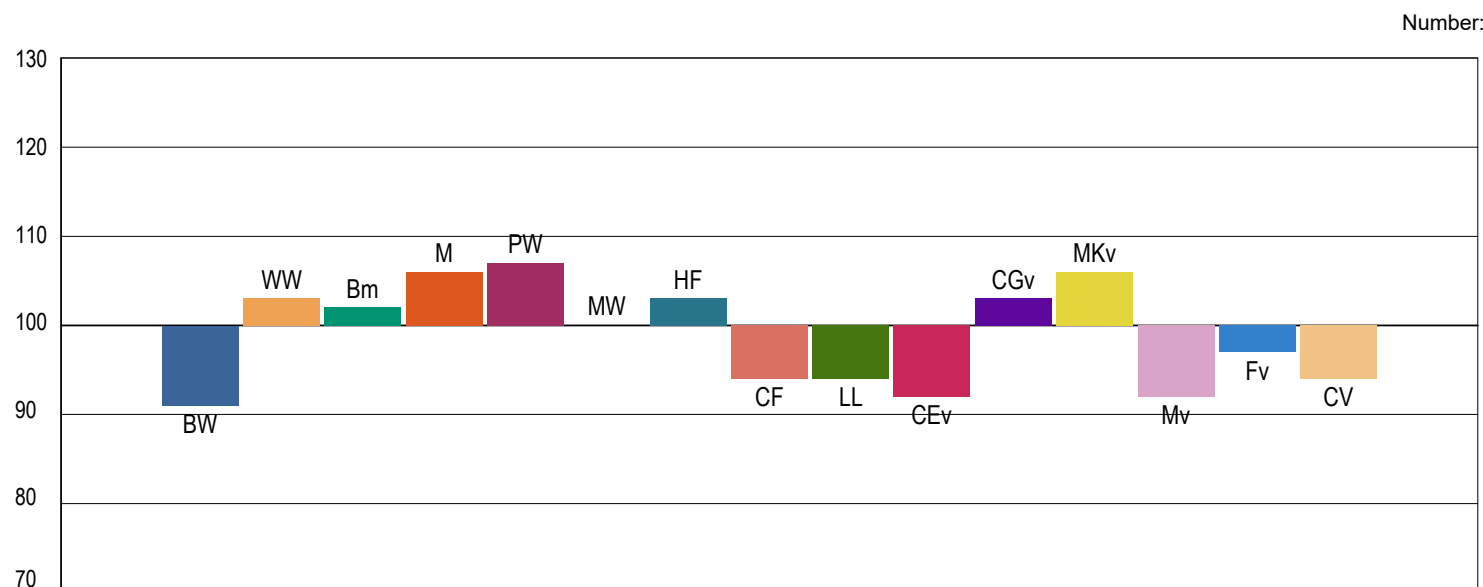
Profit through Genetics  
- at your service

**LOGIX**



CERTIFICATE OF QUALITY  
Valid up to  
1 April 2024

# Herd and Breed Averages



## Abbreviations:

### Breeding Value (EBV) and Breeding Value Index (EBVi):

|    |                  |
|----|------------------|
| BW | Birth Weight     |
| WW | Weaning Weight   |
| Bm | Birth maternal   |
| M  | Milk             |
| PW | Post-Wean Weight |
| MW | Mature Weight    |
| HF | Heifer Fertility |
| CF | Cow Fertility    |
| LL | Longevity        |

### Selection Values

|     |                    |
|-----|--------------------|
| CEv | Calving Ease Value |
| CGv | Calf Growth Value  |
| Mkv | Milk Value         |
| Mv  | Maintenance Value  |
| Fv  | Fertility Value    |
| CV  | Cow Value          |

|                 | Trait            | EBV Herd | EBVi Herd | EBV Breed |
|-----------------|------------------|----------|-----------|-----------|
| Prewrite Growth | Birth Wt         | 1.63     | 91        | 0.65      |
|                 | Weaning Wt       | 7.86     | 103       | 6.6       |
|                 | Birth Mat.       | -0.34    | 102       | -0.25     |
|                 | Milk(Wn.Mat.)    | 0.6      | 106       | -0.9      |
| Postwean Growth | Post wean Wt     | 12.4     | 107       | 8.3       |
|                 | Mature Wt        | 5        | 100       | 6         |
|                 | Heifer Fertility | -7       | 103       | -5        |
| Fertility       | Cow Fertility    | -2       | 94        | -3        |
|                 | Longevity        | 20       | 94        | 23        |

| Selection Value | Avg. Herd |
|-----------------|-----------|
| Calving Ease    | 92        |
| Calf Growth     | 103       |
| Milk            | 106       |
| Maintenance     | 92        |
| Fertility       | 97        |
| Cow Value       | 94        |

- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

What does a sub-selection value above breed average (100) mean?:

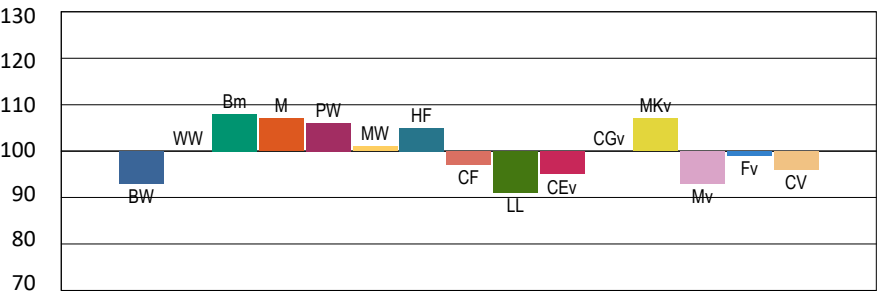
- Calving ease: Smaller calf at birth - easier calving
- Calf growth: Heavier calves at wean due to growth potential of the calf
- Milk: Cows with more milk and better mothering ability
- Maintenance: Animals with low maintenance requirements (lower mature weight).
- Fertility: Cows/daughters that calve earlier and/or more regularly.

# Genetic Windows

## Bulls on Farm

Bulls born in 2023 and earlier

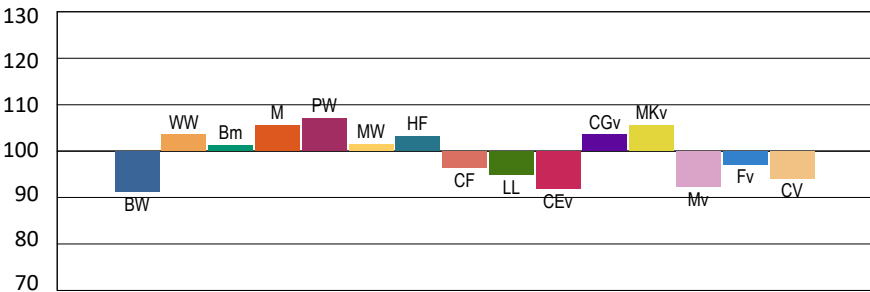
Number: 1



## Cow Herd

Cows born in 2024 and earlier

Number: 6



## Abbreviations

|    |                  |
|----|------------------|
| BW | Birth weight     |
| WW | Weaning weight   |
| Bm | Birth mat        |
| M  | Milk             |
| PW | Post-wean weight |
| MW | Mature weight    |
| HF | Heifer Fertility |
| CF | Cow Fertility    |
| LL | Longevity        |

## Sires of Young Animals

Sires of animals 3 years and younger

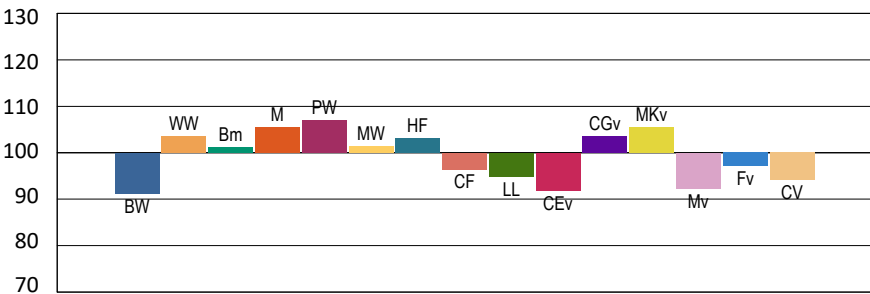
Number:



## Cows older than 6 years

Cows born in 2020 and earlier

Number: 6



|     |                    |
|-----|--------------------|
| CEv | Calving Ease value |
| CGv | Calf Growth value  |
| MKv | Milk value         |
| Mv  | Maintenance value  |
| Fv  | Fertility value    |
| CV  | Cow Value          |

## Bull Calves

Bull calves born in

Number:



## Heifer Calves

Heifers born in

Number:

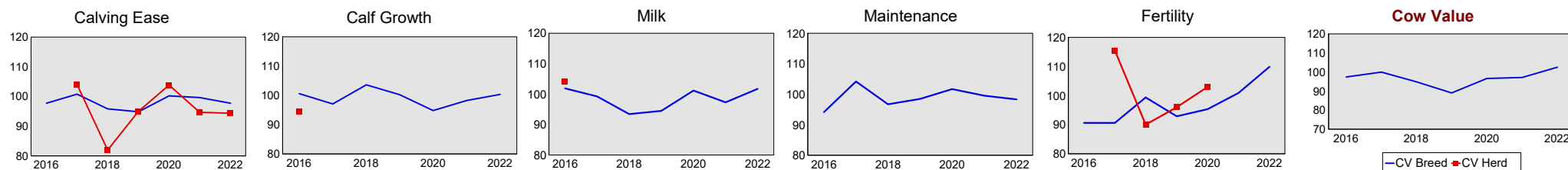


## Summary of Genetic Merits of Cows in the Herd

|                   |            |                            | Selection Values (SV) |            |      |        |       |           | Calf Weight  |                | Mother     |                | Growth         |               | Fertility        |               |           |
|-------------------|------------|----------------------------|-----------------------|------------|------|--------|-------|-----------|--------------|----------------|------------|----------------|----------------|---------------|------------------|---------------|-----------|
| Birth Year        | Nr of cows | Avg Cow Value Star grading | Calv. Ease            | Calf Grwth | Milk | Maint. | Fert. | Cow Value | Birth Weight | Weaning Weight | Birth Mat. | Milk (Wn.Mat.) | Post-wn weight | Mature weight | Heifer Fertility | Cow Fertility | Longevity |
| Avg Cows in Breed |            |                            | 101                   | 99         | 100  | 101    | 100   | 101       | 101          | 99             | 100        | 100            | 99             | 100           | 100              | 100           | 99        |
| 2014              | 1          | ★★★★                       | 99                    | 83         | 108  | 111    | 82    | 91        | 100          | 83             | 83         | 108            | 90             | 95            | 70               | 88            | 81        |
| 2015              | 2          | ★★★★☆                      | 91                    | 106        | 98   | 90     | 98    | 89        | 89           | 106            | 109        | 98             | 110            | 100           | 113              | 95            | 94        |
| 2018              | 1          | ★★★★☆                      | 82                    | 123        | 118  | 74     | 90    | 100       | 83           | 123            | 96         | 118            | 125            | 107           | 95               | 91            | 104       |
| 2019              | 1          | ★★★★☆                      | 96                    | 94         | 109  | 103    | 112   | 101       | 95           | 94             | 100        | 109            | 97             |               | 115              | 110           | 96        |
| 2020              | 1          | ★★★★                       | 93                    | 109        | 102  | 87     | 103   | 96        | 91           | 109            | 110        | 102            | 111            | 106           | 113              | 100           | 100       |
| Avg Cows in Herd  |            |                            | 92                    | 103        | 107  | 93     | 97    | 95        | 92           | 103            | 100        | 107            | 107            | 102           | 101              | 97            | 95        |

# Genetic Trends for On-Farm Traits

The graphs show the genetic gain of the herd relative to the breed. Only data of animals with measurements are included.



## Herd

| Birth Year | Calving Ease |         |         |            | Calf Growth    |     |             | Milk           |     |      | Maintenance     |     |               |             |              |       | Fertility |     |           |      |           |        | Cow Value (CV) |
|------------|--------------|---------|---------|------------|----------------|-----|-------------|----------------|-----|------|-----------------|-----|---------------|-------------|--------------|-------|-----------|-----|-----------|------|-----------|--------|----------------|
|            | Birth Weight |         |         | Calv. Ease | Weaning Weight |     | Calf Growth | Milk (Wn.Mat.) |     | Milk | Postwean Weight |     | Mature Weight | Maintenance | Heifer Fert. |       | Cow Fert. |     | Longevity |      | Fertility |        |                |
|            | Number       | Dir EBV | Mat EBV |            | Number         | EBV |             | Number         | EBV |      | Number          | EBV |               |             | Number       | EBV   | Number    | EBV | Number    | EBV  |           | Number |                |
| 2017       | 6            | 0.19    | 0.02    | 104        |                |     |             |                |     |      |                 |     |               |             | 2            | -12.2 |           |     | 4         | 16.0 | 116       |        |                |
| 2018       | 1            | 2.64    | -0.09   | 82         |                |     |             |                |     |      |                 |     |               |             | 1            | -1.8  |           |     | 1         | 25.1 | 90        |        |                |
| 2019       | 6            | 1.32    | -0.33   | 95         |                |     |             |                |     |      |                 |     |               |             | 3            | -1.8  |           |     | 3         | 16.5 | 96        |        |                |
| 2020       | 6            | 0.37    | -0.24   | 104        |                |     |             |                |     |      |                 |     |               |             | 1            | -12.5 |           |     | 4         | 4.8  | 103       |        |                |
| 2021       | 3            | 1.44    | -0.59   | 95         |                |     |             |                |     |      |                 |     |               |             |              |       |           |     |           |      |           |        |                |
| 2022       | 3            | 1.36    | -0.29   | 94         |                |     |             |                |     |      |                 |     |               |             |              |       |           |     |           |      |           |        |                |

## Breed

| Birth Year | Calving Ease |         |         |            | Calf Growth    |     |             | Milk           |       |      | Maintenance     |      |               |     | Fertility    |              |      |           |      |           | Cow Value (CV) |            |     |
|------------|--------------|---------|---------|------------|----------------|-----|-------------|----------------|-------|------|-----------------|------|---------------|-----|--------------|--------------|------|-----------|------|-----------|----------------|------------|-----|
|            | Birth Weight |         |         | Calv. Ease | Weaning Weight |     | Calf Growth | Milk (Wn.Mat.) |       | Milk | Postwean Weight |      | Mature Weight |     | Mainte-nance | Heifer Fert. |      | Cow Fert. |      | Longevity |                | Ferti-lity |     |
|            | Number       | Dir EBV | Mat EBV |            | Number         | EBV |             | Number         | EBV   |      | Number          | EBV  | Number        | EBV |              | Number       | EBV  | Number    | EBV  | Number    |                |            | EBV |
| 2017       | 268          | 0.62    | -0.33   | 101        | 75             | 5.5 | 97          | 75             | -1.14 | 99   | 31              | 6.0  | 7             | 5   | 104          | 26           | -3.5 | 17        | -1.4 | 289       | 17.2           | 91         | 100 |
| 2018       | 228          | 1.16    | -0.29   | 96         | 138            | 8.1 | 104         | 138            | -2.69 | 93   | 100             | 10.3 | 6             | 4   | 97           | 58           | -2.9 | 24        | -4.2 | 245       | 18.5           | 99         | 95  |
| 2019       | 204          | 1.09    | -0.26   | 95         | 136            | 6.8 | 100         | 136            | -2.42 | 94   | 119             | 9.3  | 15            | -8  | 98           | 51           | -3.6 | 29        | -1.3 | 211       | 19.4           | 93         | 89  |
| 2020       | 205          | 0.41    | -0.34   | 100        | 144            | 4.6 | 95          | 144            | -0.62 | 101  | 117             | 7.2  | 7             | 2   | 102          | 35           | -5.0 | 18        | -2.4 | 197       | 21.6           | 95         | 97  |
| 2021       | 157          | 0.59    | -0.25   | 100        | 112            | 5.9 | 98          | 112            | -1.64 | 97   | 76              | 8.6  |               |     | 99           | 41           | -5.6 | 2         | -2.7 | 178       | 21.3           | 101        | 97  |
| 2022       | 134          | 0.71    | -0.27   | 98         | 76             | 6.8 | 100         | 76             | -0.44 | 102  | 46              | 9.2  |               |     | 98           | 21           | -7.9 |           |      | 29        | 16.2           | 110        | 103 |
| 2023       | 121          | 0.98    | -0.17   | 96         | 75             | 8.5 | 105         | 75             | -1.24 | 99   | 36              | 11.4 |               |     | 95           |              |      |           |      |           |                |            | 95  |
| 2024       | 123          | 0.62    | -0.15   | 97         | 61             | 9.0 | 106         | 61             | 0.97  | 107  | 44              | 11.8 |               |     | 94           |              |      |           |      |           |                |            | 99  |
| 2025       | 81           | 0.78    | -0.21   | 98         |                |     |             |                |       |      |                 |      |               |     |              |              |      |           |      |           |                |            |     |
| 2026       |              |         |         |            |                |     |             |                |       |      |                 |      |               |     |              |              |      |           |      |           |                |            |     |

# Sires of animals

Index  
EBV  
Acc

| Sire                    |                        | Selection Values         |                         |               |                   |                    |              | Calf Weight     |                | Mother            |                  | Growth              |                  | Fertility           |                  |           | Measured Progeny<br>Number of herds |            |             |
|-------------------------|------------------------|--------------------------|-------------------------|---------------|-------------------|--------------------|--------------|-----------------|----------------|-------------------|------------------|---------------------|------------------|---------------------|------------------|-----------|-------------------------------------|------------|-------------|
| ID Name                 | Sire ID<br>Dam ID      | Calving<br>Ease<br>Value | Calf<br>Growth<br>Value | Milk<br>Value | Mainten.<br>Value | Fertility<br>Value | Cow<br>Value | Birth<br>Direct | Wean<br>Direct | Birth<br>Maternal | Wean<br>Maternal | Post wean<br>weight | Mature<br>Weight | Heifer<br>Fertility | Cow<br>Fertility | Longevity | Birth<br>wt                         | Wean<br>wt | Dgt /Calves |
| EGC 130001<br>MR COWEY  | B 040021<br>BH 080007  | 94                       | 105                     | 111           | 89                | 102                | 102          | 93              | 105            | 109               | 111              | 109                 | 107              | 101                 | 102              | 92        | 11                                  |            |             |
|                         |                        | 63                       | 49                      | 44            | 37                | 38                 | 43           | 1.50            | 8.6            | -0.64             | 2.1              | 13.8                | 13               | -5.4                | -3.7             | 18.4      | 2                                   |            |             |
| IG 110010<br>RYAN       | GB 070055<br>GB 070060 | 78                       | 103                     | 114           | 92                | 63                 | 78           | 80              | 103            | 96                | 114              | 109                 | 85               | 91                  | 62               | 89        | 61                                  | 49         | 6 12        |
|                         |                        | 90                       | 87                      | 66            | 59                | 50                 | 65           | 3.00            | 7.8            | -0.10             | 2.9              | 13.3                | -10              | 0.2                 | 4.8              | 17.0      | 6                                   | 7          | 1           |
| JW 070105<br>EGBERT     | B 000212<br>B 910250   | 108                      | 105                     | 75            | 92                | 106                | 95           | 105             | 105            | 112               | 75               | 107                 | 100              | 119                 | 102              | 89        | 41                                  | 5          | 4 10        |
|                         |                        | 88                       | 76                      | 72            | 56                | 59                 | 66           | 0.07            | 8.7            | -0.76             | -7.7             | 12.3                | 6                | -16.1               | -3.8             | 16.5      | 12                                  | 3          | 3           |
| OP 090019<br>OP090019   | B 040021<br>GB 070078  | 99                       | 85                      | 113           | 102               | 98                 | 95           | 99              | 85             | 95                | 113              | 98                  | 99               | 105                 | 96               | 78        | 34                                  | 16         |             |
|                         |                        | 87                       | 71                      | 48            | 38                | 43                 | 52           | 0.80            | 0.8            | -0.06             | 2.6              | 7.0                 | 5                | -7.5                | -2.5             | 10.5      | 11                                  | 7          |             |
| PGJ 070304<br>PGJ070304 | B 030130<br>PGJ 040155 | 63                       | 123                     | 104           | 62                | 102                | 60           | 62              | 123            | 110               | 104              | 136                 | 99               | 119                 | 97               | 94        | 40                                  | 24         | 7 15        |
|                         |                        | 90                       | 87                      | 69            | 48                | 50                 | 63           | 5.05            | 15.7           | -0.69             | 0.1              | 29.3                | 4                | -16.2               | -2.7             | 19.8      | 5                                   | 3          | 5           |

## Breeding Values and Accuracies: Bulls

Index  
EBV  
Acc

Groeen: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |         |                          | Selection Value          |                         |               |                   |                    |              | Birth           |              | Growth           |                |             |                             |                        | Fertility           |                  |                |
|--------------------------------------|---------|--------------------------|--------------------------|-------------------------|---------------|-------------------|--------------------|--------------|-----------------|--------------|------------------|----------------|-------------|-----------------------------|------------------------|---------------------|------------------|----------------|
| ID<br>Animal nr<br>Name              | % Inbr. | Sire ID<br>Dam ID        | Calving<br>Ease<br>Value | Calf<br>Growth<br>Value | Milk<br>Value | Mainten.<br>Value | Fertility<br>Value | Cow<br>Value | Birth<br>direct | Birth<br>mat | Mature<br>weight | Wean<br>direct | Wean<br>mat | Cow-Calf<br>Ratio<br>(Wean) | Post<br>wean<br>weight | Heifer<br>Fertility | Cow<br>Fertility | Long-<br>evity |
| NIX 190001<br>90480104<br>NIX 190001 | 2       | EGC 130001<br>NIX 150004 | 95                       | 100                     | 107           | 93                | 99                 | 96           | 93              | 108          | 101              | 100            | 107         | 104                         | 106                    | 105                 | 97               | 91             |
|                                      |         |                          | 55                       | 33                      | 29            | 20                | 22                 | 27           | 1.43            | -0.59        | 7                | 6.8            | 1.0         | 27                          | 11.8                   | -7.7                | -2.7             | 17.7           |
|                                      |         |                          |                          |                         |               |                   |                    |              | 57              | 37           | 8                | 33             | 29          | 23                          | 24                     | 32                  | 13               | 34             |

# Breeding Values and Accuracies: Cows

Index  
EBV  
Acc

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80

Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                                      |         |                          | Selection Value          |                         |                  |                   |                    |                  | Birth                    |                           | Growth                 |                          |                          |                             |                          | Fertility                 |                          |                          |
|---------------------------------------------|---------|--------------------------|--------------------------|-------------------------|------------------|-------------------|--------------------|------------------|--------------------------|---------------------------|------------------------|--------------------------|--------------------------|-----------------------------|--------------------------|---------------------------|--------------------------|--------------------------|
| ID<br>Animal nr<br>Name                     | % Inbr. | Sire ID<br>Dam ID        | Calving<br>Ease<br>Value | Calf<br>Growth<br>Value | Milk<br>Value    | Mainten.<br>Value | Fertility<br>Value | Cow<br>Value     | Birth<br>direct          | Birth<br>mat              | Mature<br>weight       | Wean<br>direct           | Wean<br>mat              | Cow-Calf<br>Ratio<br>(Wean) | Post<br>wean<br>weight   | Heifer<br>Fertility       | Cow<br>Fertility         | Long-<br>evity           |
| <b>NIX 140002</b><br>80583511<br>NIX 140002 |         | OP 090019<br>KB 100401   | <b>99</b><br>63          | <b>83</b><br>38         | <b>108</b><br>31 | <b>111</b><br>19  | <b>82</b><br>34    | <b>91</b><br>33  | <b>100</b><br>0.65<br>63 | <b>83</b><br>0.46<br>61   | <b>95</b><br>0<br>6    | <b>83</b><br>0.0<br>38   | <b>108</b><br>1.2<br>31  | <b>96</b><br>8<br>25        | <b>90</b><br>2.9<br>21   | <b>70</b><br>12.7<br>44   | <b>88</b><br>-0.6<br>24  | <b>81</b><br>12.1<br>51  |
| <b>NIX 150004</b><br>82672379<br>ELLEN      |         | PGJ 070304<br>KB 100454  | <b>91</b><br>52          | <b>99</b><br>46         | <b>103</b><br>40 | <b>94</b><br>24   | <b>95</b><br>32    | <b>87</b><br>36  | <b>89</b><br>1.86<br>52  | <b>107</b><br>-0.55<br>47 | <b>95</b><br>0<br>14   | <b>99</b><br>6.2<br>46   | <b>103</b><br>0.0<br>40  | <b>103</b><br>24<br>33      | <b>105</b><br>11.4<br>31 | <b>109</b><br>-10.0<br>46 | <b>93</b><br>-1.8<br>18  | <b>90</b><br>17.0<br>44  |
| <b>Z 150071</b><br>83337600<br>Z 150071     | 1       | JW 070105<br>Z 110049    | <b>90</b><br>75          | <b>113</b><br>68        | <b>93</b><br>46  | <b>85</b><br>30   | <b>101</b><br>32   | <b>90</b><br>44  | <b>89</b><br>1.94<br>77  | <b>111</b><br>-0.71<br>61 | <b>104</b><br>10<br>16 | <b>113</b><br>11.8<br>68 | <b>93</b><br>-2.9<br>46  | <b>101</b><br>19<br>43      | <b>114</b><br>16.3<br>34 | <b>117</b><br>-14.6<br>45 | <b>97</b><br>-2.6<br>20  | <b>98</b><br>21.9<br>51  |
| <b>NIX 180001</b><br>86526308<br>NIX 180001 | 4       | IG 110010<br>B 120072    | <b>82</b><br>72          | <b>123</b><br>55        | <b>118</b><br>41 | <b>74</b><br>28   | <b>90</b><br>32    | <b>100</b><br>40 | <b>83</b><br>2.64<br>74  | <b>96</b><br>-0.09<br>58  | <b>107</b><br>13<br>9  | <b>123</b><br>15.9<br>55 | <b>118</b><br>3.8<br>41  | <b>124</b><br>72<br>35      | <b>125</b><br>22.9<br>36 | <b>95</b><br>-1.8<br>47   | <b>91</b><br>-1.3<br>18  | <b>104</b><br>25.1<br>52 |
| <b>NIX 190007</b><br>90480088<br>HOLLY      | 5       | EGC 130001<br>NIX 170002 | <b>96</b><br>59          | <b>94</b><br>29         | <b>109</b><br>24 | <b>103</b><br>12  | <b>112</b><br>18   | <b>101</b><br>22 | <b>95</b><br>1.19<br>61  | <b>100</b><br>-0.25<br>38 |                        | <b>94</b><br>4.3<br>29   | <b>109</b><br>1.5<br>24  |                             | <b>97</b><br>6.5<br>18   | <b>115</b><br>-13.7<br>29 | <b>110</b><br>-5.4<br>6  | <b>96</b><br>20.7<br>35  |
| <b>NIX 200002</b><br>90480096<br>KARIS      | 3       | EGC 130001<br>Z 150071   | <b>93</b><br>61          | <b>109</b><br>41        | <b>102</b><br>31 | <b>87</b><br>20   | <b>103</b><br>27   | <b>96</b><br>31  | <b>91</b><br>1.67<br>63  | <b>110</b><br>-0.67<br>41 | <b>106</b><br>12<br>5  | <b>109</b><br>10.1<br>41 | <b>102</b><br>-0.4<br>31 | <b>104</b><br>26<br>26      | <b>111</b><br>14.9<br>24 | <b>113</b><br>-12.5<br>41 | <b>100</b><br>-3.3<br>13 | <b>100</b><br>23.0<br>39 |

# Selection List on Cow Values

## Bulls 2 years and older

| ID           | Name       | Sire ID    | Dam ID     | %<br>Inbreeding | Calving<br>Ease<br>Value | Calf<br>Growth<br>Value | Milk<br>Value | Maint.<br>Value | Fertility<br>Value | Cow<br>Value |      |
|--------------|------------|------------|------------|-----------------|--------------------------|-------------------------|---------------|-----------------|--------------------|--------------|------|
| Sorted on ID |            |            |            |                 | Acc                      | Acc                     | Acc           | Acc             | Acc                | Acc          |      |
|              |            |            |            |                 | ★★★★                     |                         |               |                 |                    |              |      |
| 1            | NIX 190001 | NIX 190001 | EGC 130001 | NIX 150004      | 1.9                      | 9555                    | 10033         | 10729           | 9320               | 9922         | 9627 |



## Selection List on Cow Values

### Cows 2 years and older

| ID<br>Sorted on ID | Name       | Sire ID    | Dam ID     | %<br>Inbreeding | Calving<br>Ease<br>Value<br>Acc | Calf<br>Growth<br>Value<br>Acc | Milk<br>Value<br>Acc | Maint.<br>Value<br>Acc | Fertility<br>Value<br>Acc | Cow<br>Value<br>Acc |       |
|--------------------|------------|------------|------------|-----------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|-------|
|                    |            |            |            |                 | ★★★★★                           |                                |                      |                        |                           |                     |       |
| 1                  | NIX 180001 | NIX 180001 | IG 110010  | B 120072        | 4.2                             | 8272                           | 12355                | 11841                  | 7428                      | 9032                | 10040 |
| 2                  | NIX 190007 | HOLLY      | EGC 130001 | NIX 170002      | 5.1                             | 9659                           | 9429                 | 10924                  | 10312                     | 11218               | 10122 |
|                    |            |            |            |                 | ★★★★☆                           |                                |                      |                        |                           |                     |       |
| 1                  | NIX 140002 | NIX 140002 | OP 090019  | KB 100401       | 0.0                             | 9963                           | 8338                 | 10831                  | 11119                     | 8234                | 9133  |
| 2                  | NIX 200002 | KARIS      | EGC 130001 | Z 150071        | 2.9                             | 9361                           | 10941                | 10231                  | 8720                      | 10327               | 9631  |
| 3                  | Z 150071   | Z 150071   | JW 070105  | Z 110049        | 1.3                             | 9075                           | 11368                | 9346                   | 8530                      | 10132               | 9044  |
|                    |            |            |            |                 | ★★★                             |                                |                      |                        |                           |                     |       |
| 1                  | NIX 150004 | ELLEN      | PGJ 070304 | KB 100454       | 0.0                             | 9152                           | 9946                 | 10340                  | 9424                      | 9532                | 8736  |