

**BORAN**

## **GENOMIC BREEDING VALUE REPORT**

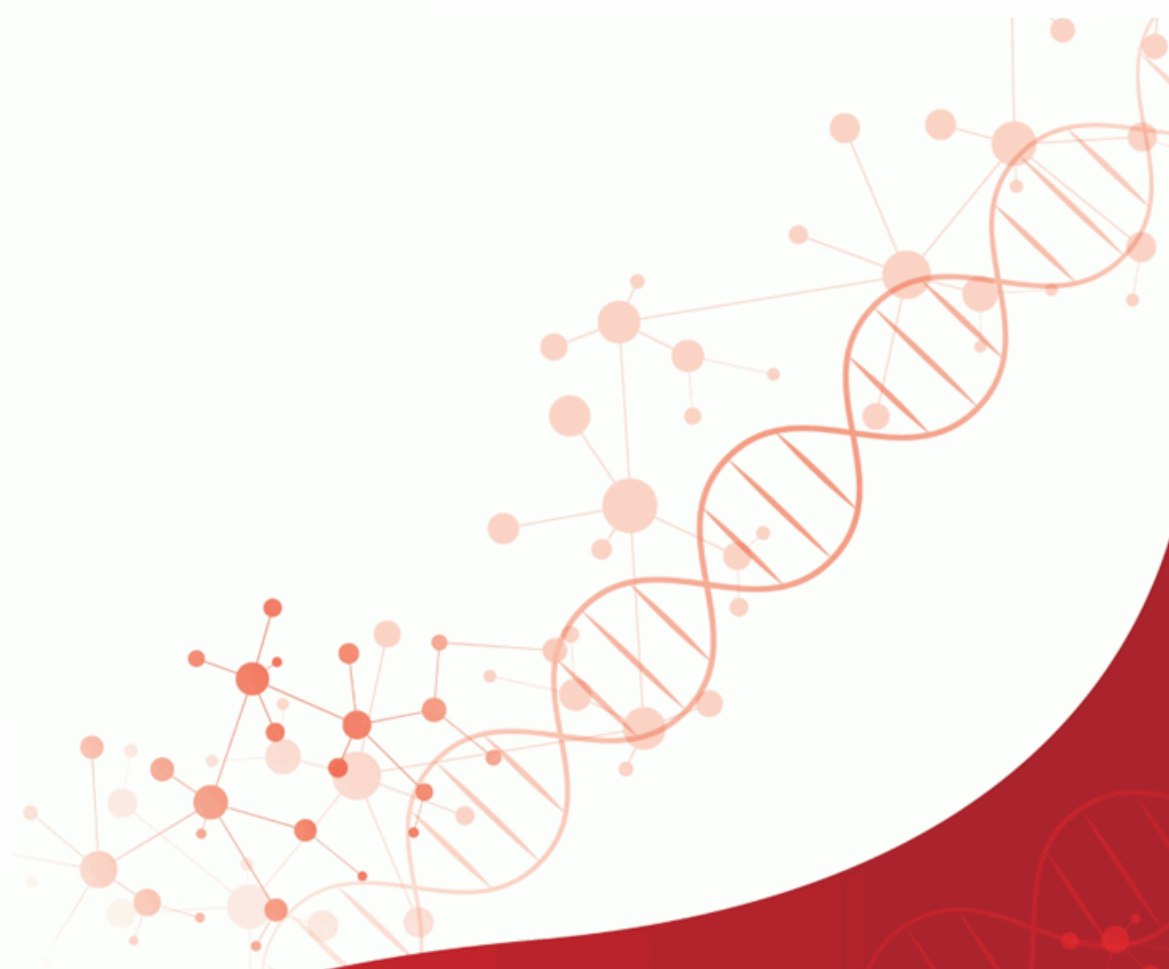
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**MR P.T. MASHILO**

Herd Number: 707287

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SA Stud Book's breeding value analyses are at a very high standard and are internationally accredited. The models were adjusted to enable a more precise determination of current breeding values.

## Genomic Breeding Values (GEBVs)



Genomically analyzed animals are marked with the accompanying logo. Older animals with accurate breeding values (Reference Population) are used to determine the relationship between the SNP markers and the breeding values, which are unique to each breed. Production measurements, pedigrees and genomic information are used to estimate Genomic Breeding Values (GEBVs). Genomically tested young animals therefore have extra information with which breeding values can be estimated especially for complex traits such as fertility and milk.

 Parentages can be determined very accurately with 50 000 markers, instead of the 15-30 markers with previous DNA tests, provided that the parent has also been genomically tested. Parentages are indicated as follows in this report:

- ☐ The parent has not been tested, and the parentage cannot therefore be confirmed genomically.
- ☒ Parentage is genomically correct
- ☒ Parentage conflict. If the correct parent has been genomically tested, SA Studbook will contact you. If the breeder of the animal confirms that the genomically designated parent was also on the farm at the time of mating, the parentage can be corrected. Please work extremely carefully when collecting and marking hair samples, otherwise the test must be repeated. If there are any queries, please contact Jason Reding at [jason@studbook.co.za](mailto:jason@studbook.co.za)

## Update to the Evaluation

Best scientific practice and technological improvements have made it possible to update the Genomic Evaluation as follows:

1. **Previous Calf:** A cow whose previous calf died or was not weaned will have its cow fertility and current calf's weaning weight penalized.
2. **The age adjustment** is within the contemporary group for weaning weight and growth traits instead of across the breed as before. This adjustment may affect some herds more than others.
3. **Mature Weight EBV/Maintenance Value** uses all of the cow's weights at weaning as a repeated measurement, not just the first 3 measurements as before. The EBV appears as Cow Weight Weaning on the report.

## New breeding values

- **Cow weight at birth of the calf**
- **Cow weight at weaning of the calf**
- **Cow-Calf Ratio at birth of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Cow-Calf Ratio at weaning of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Veld growth breeding value:** The growth rate and adaptability from weaning to year or 18 months for animals in Phase B on the veld.
- **Skin thickness:** Skin thickness is an indication of adaptation, where thicker skins protect the animal more against ticks as well as heat (due to an increase in blood vessels in the skin)



# EBVs, EBVi's and GEBVs

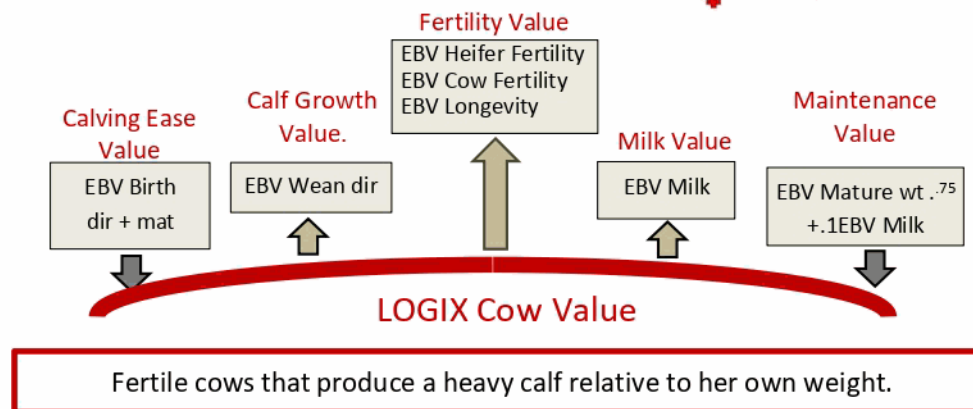
**EBVi (Breeding Value Index):** Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

**EBV (Breeding Value):** Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

**GEBV (Genomic Breeding Value)** Interpreted like the EBVi. (GEBV = EBV + Genomic information)

**LOGIX Selection values** combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

## LOGIX Cow Value



## Selection Values

### LOGIX Cow Value



Selecting for:

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

### LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

### LOGIX Production Value



80% LOGIX Cow Value +  
20% LOGIX Growth Value

### LOGIX Carcass Value



Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

## How to use the Cow Value

Selection values should be compatible with your selection goal.

### AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
- Cow Value and Fertility Value average to high

A safe choice, as animals are profitable in most

### GROWERS

(GOOD ENVIRONMENT)

- Calf Growth / Growth Value > 120
- Cow Value and Fertility Value average to high

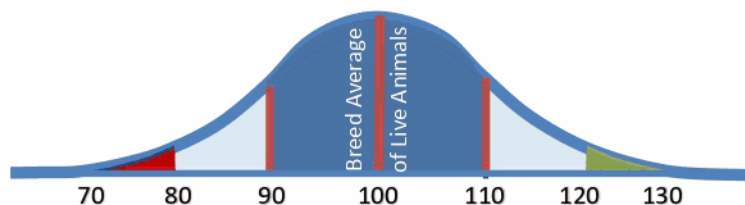
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

### LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

- Maintenance Value >110
  - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

## Interpretation of EBVi and Selection Values

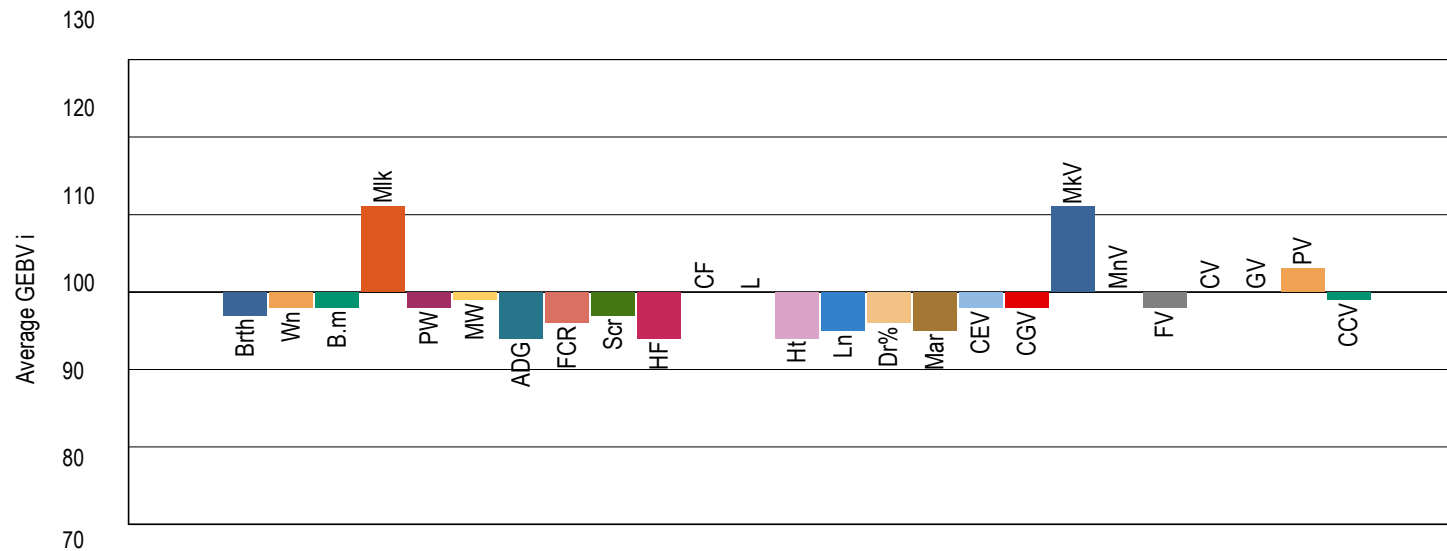


## Examples

| Type of Animal  | Cow Value | Calving Ease V | Calf Growth V | Milk Value | Maint. Value | Fertility Value |
|-----------------|-----------|----------------|---------------|------------|--------------|-----------------|
| Average         | Med-High  | Avg            | Avg           | Avg        | Avg          | Med-High        |
| Grower          | Med-High  |                | High          |            |              | Med-High        |
| Low Maintenance | Med-High  |                |               |            | High         | Med-High        |

|                     | EBVi                  | Description / Measurement                                                                     | Goal                 | High Value | Low Value |
|---------------------|-----------------------|-----------------------------------------------------------------------------------------------|----------------------|------------|-----------|
| Selection Values    | Calving Ease Value    | Difficult calving due to high birth weight                                                    | Average birth weight | High       | Low       |
|                     | Calf Growth Value     | Calf's genetic ability for prewean growth                                                     | Heavy weaner         | Light      | Heavy     |
|                     | Milk Value            | Cow's genetic mothering and milking ability                                                   | Enough milk for calf | Less       | More      |
|                     | Maintenance Value     | Maintenance requirement of cow (weight and milk)                                              | Low cow maintenance  | High       | Low       |
|                     | Fertility Value       | Fertility and retention of cows and heifers                                                   | Fertile cows         | Low        | High      |
|                     | Cow Value             | Combination of calving ease, calf growth, milk, maintenance and fertility values (Rand-value) | Profitable cows      | Loss       | Profit    |
|                     | Growth Value          | Efficient growth on veld and in feedlot (Rand-value)                                          | Profitable growth    | Loss       | Profit    |
|                     | Production Value      | Combination of Cow- and Growth Values (Rand-value)                                            | Profitable animals   | Loss       | Profit    |
|                     | Carcass Value         | Meat on carcass (Weight and RTU EBVs)                                                         | Meat on carcass      | Less       | More      |
| Birth               | Cow weight - birth    | Cow weight at birth of calves                                                                 | Mature cow weight    | Light      | Heavy     |
|                     | Birth weight direct   | Birth weight (Calf's genetic ability)                                                         | Average birth weight | Heavy      | Light     |
|                     | Cow-Calf birth        | EBV Birth dir / EBV Mature cow weight                                                         | Average              | Low        | High      |
| Wean                | Cow Weight wean       | Cow weight at weaning of calves                                                               | Mature cow weight    | Light      | Heavy     |
|                     | Weaning weight direct | Weaning weight (Calf's genetic ability)                                                       | Heavy weaners        | Light      | Heavy     |
|                     | Weaning weight mat    | Weaning weight (Dam's genetic ability)                                                        | Good mothers         | Poor       | Good      |
|                     | Cow-Calf Wean         | EBV Wean dir / EBV Mature cow weight                                                          | High cow-calf ratio  | Low        | High      |
| Growth & Adaptation | Post-Wean weight      | 12- and 18mnth weights                                                                        | Post-wean growth     | Low        | High      |
|                     | Ave. Daily Gain       | Average daily gain in growth test (Phase C and D)                                             | Good growth          | Poor       | Good      |
|                     | Veld Growth           | ADG on veld (Phase B)                                                                         | Good adaptation      | Poor       | Good      |
|                     | Feed Conversion Ratio | 100g feed intake / g weight gain                                                              | Feed Efficiency      | Poor       | Good      |
|                     | Final Test Weight     | Final weight in growth test (Phase C and D)                                                   | Heavy Carcasses      | Light      | Heavy     |
|                     | Skin Thickness        | Measured in growth tests                                                                      | Thicker skin         | Thick      | Thin      |
| Fertility           | Scrotal Circumference | Scrotal circumference in growth test                                                          | Fertile bulls        | Less       | More      |
|                     | Heifer Fertility      | Age at first calving                                                                          | Fertile heifers      | Less       | More      |
|                     | Cow Fertility         | First 3 inter-calving periods (ICPs)                                                          | Fertile cows         | Less       | More      |
|                     | Longevity             | Retention of progeny                                                                          | Acceptable progeny   | Poor       | Good      |
| Frame               | Height                | Shoulder / Hip height in growth test                                                          | Average height       | Short      | Tall      |
|                     | Length                | Length in growth test                                                                         | Longer (more meat)   | Short      | Long      |
|                     | Length:Height         | EBV Length / EBV Height                                                                       | Longer, not higher   | <1         | >1        |
| Carcass             | Eye Muscle Area       | RTU Eye muscle area                                                                           | Bigger steaks        | Small      | Big       |
|                     | Fat                   | RTU P8 Backfat Thickness                                                                      | Carcass quality      | Thin       | Thick     |
|                     | Marbling              | RTU % Marbling                                                                                | Juicy meat           | Low        | High      |
|                     | Dressing%             | Carcass weight / Live weight                                                                  | High dressing %      | Low        | High      |

## Herd and Breed Averages



### Genomic Breeding Values (GEBVs):

|       |                       |      |                  |
|-------|-----------------------|------|------------------|
| Brth: | Birth weight          | Scr: | Scrotal circumf. |
| Wn:   | Weaning weight        | HF:  | Heifer Fertility |
| B.m:  | Birth maternal        | CF:  | Cow Fertility    |
| Mlk:  | Milk                  | LL:  | Longevity        |
| PW:   | Post-wean weight      | Ht:  | Height           |
| MW:   | Mature weight         | Ln:  | Length           |
| ADG:  | Average Daily Gain    | Dr%: | Dressing%        |
| FCR:  | Feed Conversion Ratio | Mar: | Marbling         |

### Selection Values:

|      |                    |
|------|--------------------|
| CEV: | Calving Ease Value |
| CGV: | Calf Growth Value  |
| MkV: | Milk Value         |
| MnV: | Maintenance Value  |
| FV:  | Fertility Value    |
| CV:  | Cow Value          |
| GV:  | Growth Value       |
| PV:  | Production Value   |
| CCV: | Carcass Value      |

|                 | Trait            | EBV Herd | EBVi Herd | EBV Breed |
|-----------------|------------------|----------|-----------|-----------|
| Prewean Growth  | Birth Weight     | 0.52     | 97        | 0.35      |
|                 | Wean Weight      | 0.8      | 98        | 1.3       |
|                 | Birth Mat.       | -0.16    | 98        | -0.21     |
|                 | Milk (Wn.Mat.)   | 3.0      | 111       | 0.5       |
| Postwean Growth | Postwean Wt      | 3.0      | 98        | 4.0       |
|                 | Mature Weight    | 6        | 99        | 7         |
|                 | ADG              | -12      | 94        | -3        |
|                 | FCR              | 8        | 96        | 0         |
| Fertility       | Scrotal Circumf. | 0.5      | 97        | 2.0       |
|                 | Heifer Fertility | 2.6      | 94        | -1.0      |
|                 | Cow Fertility    | -0.1     | 100       | -0.1      |
|                 | Longevity        | 30.5     | 100       | 30.6      |
| Frame           | Height           | -2       | 94        | 2         |
|                 | Length           | -2       | 95        | 1         |
| Carcass         | Dressing%        | -0.05    | 96        | 0.00      |
|                 | Marbling         | -0.52    | 95        | -0.23     |

| Selection Value  | Ave. Herd |
|------------------|-----------|
| Calving Ease     | 98        |
| Calf Growth      | 98        |
| Milk             | 111       |
| Maintenance      | 100       |
| Fertility        | 98        |
| Cow Value        | 100       |
| Growth Value     | 100       |
| Production Value | 103       |
| Carcass Value    | 99        |

- 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?:*

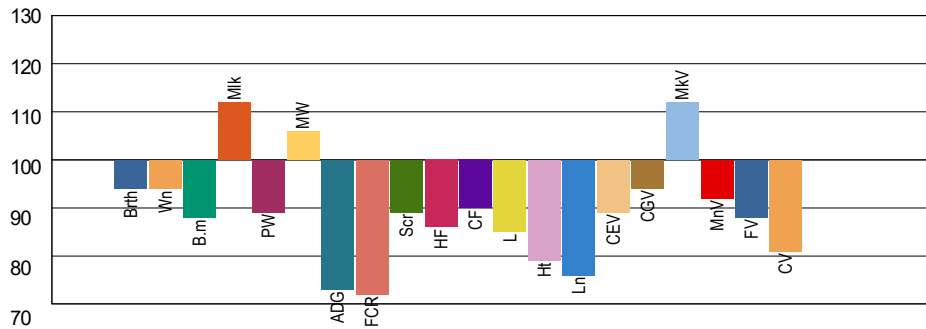
|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Calving ease: | Smaller calf at birth - easier calving                           |
| Calf growth:  | Heavier calves at wean due to 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 the farm

Bulls born in 2023 and earlier

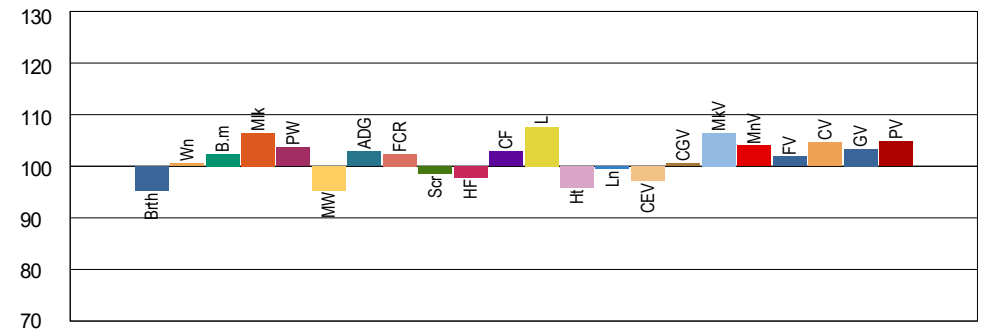
Total: 1



## Cow Herd

Cows born in 2024 and earlier

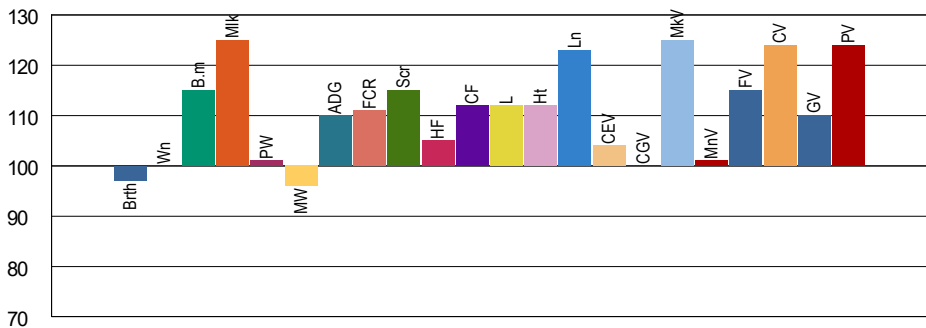
Total: 6



## Sires of young animals

Sires of animals 3 years and younger

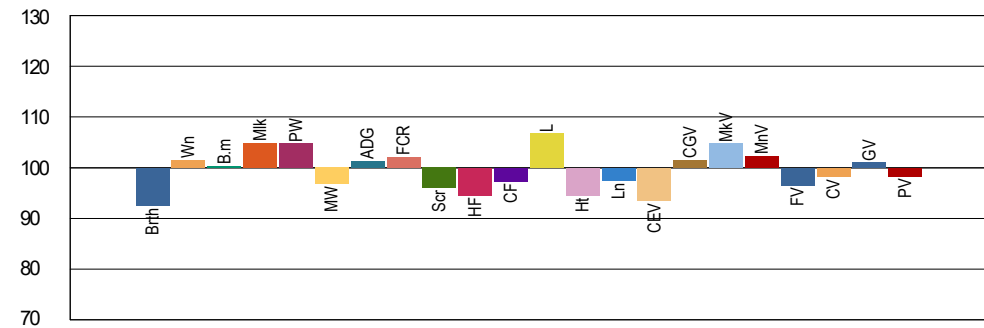
Total: 1



## Cows older than 6 years

Cows born in 2020 and earlier

Total: 4



## Bull calves

Bulls born in

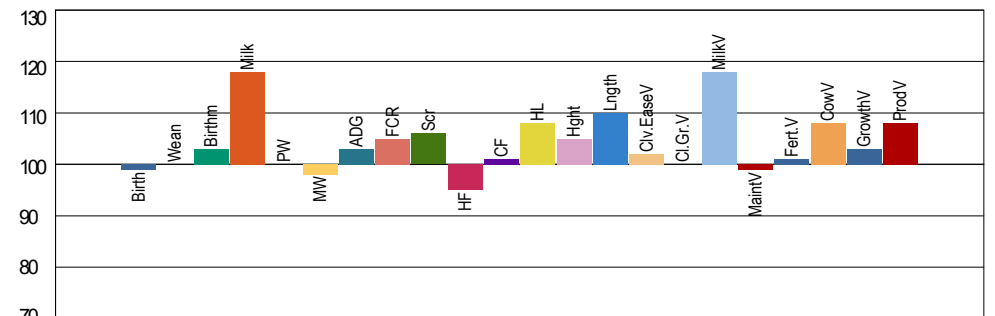
Total:



## Heifer calves

Heifers born in 2025

Total: 1



## Summary of Cow Herd

|                       |          |                   | Selection Values (SV)  |            |      |        |           |           |              |            | Calf Weight  |             | Dam        |               | Growth & Efficiency |               |     |     | Fertility        |                  |               |           | Frame  |        |
|-----------------------|----------|-------------------|------------------------|------------|------|--------|-----------|-----------|--------------|------------|--------------|-------------|------------|---------------|---------------------|---------------|-----|-----|------------------|------------------|---------------|-----------|--------|--------|
| Birth Year            | No. Cows | Average Cow Value | Calving Ease           | Calf Grwth | Milk | Maint. | Fertility | Cow Value | Growth Value | Prod Value | Birth Weight | Wean Weight | Birth Mat. | Milk (Wn.Mat) | Postwn Weight       | Mature Weight | ADG | FCR | Scrotal Circumf. | Heifer Fertility | Cow Fertility | Longevity | Height | Length |
|                       |          |                   | Cows in Breed Average: |            |      |        |           |           |              |            | 100          | 100         | 100        | 100           | 100                 | 100           | 100 | 100 | 100              | 100              | 100           | 100       | 100    | 100    |
| 2011                  | 1        | ★★★★☆             | 101                    | 109        | 104  | 95     | 100       | 108       | 99           | 106        | 95           | 109         | 116        | 104           | 108                 | 103           | 106 | 107 | 89               | 103              | 103           | 98        | 109    | 111    |
| 2017                  | 1        | ★★★★              | 82                     | 101        | 97   | 103    | 100       | 90        | 96           | 89         | 83           | 101         | 93         | 97            | 108                 | 95            | 91  | 89  | 92               | 96               | 99            | 109       | 78     | 85     |
| 2020                  | 2        | ★★★★              | 96                     | 98         | 109  | 106    | 93        | 98        | 105          | 99         | 96           | 98          | 96         | 109           | 102                 | 95            | 104 | 106 | 102              | 90               | 94            | 110       | 96     | 97     |
| 2021                  | 1        | ★★★★☆             | 111                    | 98         | 104  | 106    | 117       | 121       | 105          | 120        | 108          | 98          | 105        | 104           | 101                 | 93            | 101 | 94  | 97               | 109              | 123           | 106       | 95     | 97     |
| 2022                  | 1        | ★★★★☆             | 98                     | 94         | 123  | 88     | 85        | 87        |              |            | 104          | 94          | 84         | 123           | 84                  | 110           | 73  | 81  | 93               | 84               | 94            | 76        | 92     | 86     |
| 2023                  | 1        | ★★★★★             | 98                     | 99         | 116  | 109    | 108       | 114       | 111          | 116        | 93           | 99          | 108        | 116           | 102                 | 92            | 111 | 112 | 110              | 100              | 105           | 113       | 102    | 110    |
| 2024                  | 1        | ★★★★              | 104                    | 93         | 115  | 93     | 97        | 96        | 76           | 87         | 106          | 93          | 94         | 115           | 86                  | 104           | 78  | 74  | 91               | 92               | 102           | 83        | 88     | 82     |
| 2025                  | 1        | ★★★★☆             | 102                    | 100        | 118  | 99     | 101       | 108       | 103          | 108        | 99           | 100         | 103        | 118           | 100                 | 98            | 103 | 105 | 106              | 95               | 101           | 108       | 105    | 110    |
| Cows in Herd Average: |          |                   | 99                     | 99         | 111  | 100    | 100       | 103       | 99           | 104        | 98           | 99          | 100        | 111           | 99                  | 99            | 96  | 95  | 98               | 96               | 103           | 100       | 96     | 97     |

# 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 |           |     |
|------------|--------------|-----|------------|----------------|-----|-------------|----------------|-----|-----------------|---------------|-----|-------------|--------------|-----------|-----------|-----|-----------|-----------|-----------|-----|
|            | Birth Weight |     | Calv. Ease | Weaning Weight |     | Calf Growth | Milk (Wn.Mat.) |     | Postwean Weight | Mature Weight |     | Maintenance | Heifer Fert. |           | Cow Fert. |     | Longevity |           | Fertility |     |
|            | Number       | EBV |            | Number         | EBV |             | Number         | EBV |                 | Number        | EBV |             | Number       | EBV       | Number    | EBV | Number    |           |           | EBV |
|            |              |     |            |                |     |             |                |     |                 |               |     |             |              |           |           |     |           |           |           |     |
|            |              |     |            |                |     |             |                |     |                 |               |     |             |              |           |           |     |           |           |           |     |

## Breed

| Birth Year | Calving Ease |         |            |                | Calf Growth |                |        | Milk            |               |             | Maintenance  |        |           |        | Fertility |        |           |      |        |       | Cow Value |        |     |
|------------|--------------|---------|------------|----------------|-------------|----------------|--------|-----------------|---------------|-------------|--------------|--------|-----------|--------|-----------|--------|-----------|------|--------|-------|-----------|--------|-----|
|            | Birth Weight |         | Calv. Ease | Weaning Weight | Calf Growth | Milk (Wn.Mat.) |        | 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 |
| 2016       | 5443         | 0.25    | -0.17      | 101            | 1281        | 0.3            | 97     | 1281            | 0.23          | 99          | 592          | 1.5    | 529       | 4      | 104       | 2172   | -0.3      | 1452 | -0.1   | 9930  | 20.4      | 96     | 96  |
| 2017       | 5493         | 0.27    | -0.18      | 101            | 1761        | 0.5            | 98     | 1761            | 0.42          | 100         | 648          | 2.4    | 645       | 5      | 103       | 2363   | 0.4       | 1709 | 0.1    | 9984  | 21.7      | 96     | 96  |
| 2018       | 5384         | 0.28    | -0.21      | 101            | 1835        | 1.1            | 99     | 1835            | 0.52          | 100         | 828          | 3.5    | 705       | 5      | 103       | 2244   | -0.6      | 1771 | -0.3   | 10164 | 23.4      | 99     | 98  |
| 2019       | 6007         | 0.27    | -0.21      | 101            | 1830        | 1.1            | 100    | 1830            | 0.31          | 99          | 1030         | 3.8    | 813       | 4      | 103       | 2427   | -0.7      | 1951 | 0.0    | 10086 | 24.2      | 98     | 98  |
| 2020       | 6058         | 0.28    | -0.21      | 101            | 2614        | 1.2            | 100    | 2614            | 0.41          | 100         | 1350         | 4.0    | 812       | 5      | 102       | 2473   | -0.5      | 1903 | -0.3   | 9714  | 25.5      | 99     | 100 |
| 2021       | 6281         | 0.32    | -0.24      | 101            | 2943        | 1.7            | 101    | 2943            | 0.38          | 99          | 1176         | 4.8    | 847       | 5      | 102       | 2722   | -1.0      | 1752 | -0.1   | 9450  | 26.3      | 100    | 101 |
| 2022       | 7027         | 0.38    | -0.21      | 100            | 3201        | 1.7            | 101    | 3201            | 0.30          | 99          | 1254         | 5.4    | 769       | 3      | 102       | 2616   | -1.7      | 603  | -0.4   | 4191  | 25.3      | 101    | 101 |
| 2023       | 7776         | 0.34    | -0.22      | 100            | 3889        | 1.5            | 100    | 3889            | 0.99          | 102         | 1553         | 4.8    | 92        | 4      | 100       | 1264   | -1.9      | 7    | 1.3    |       |           | 102    | 101 |
| 2024       | 8885         | 0.37    | -0.21      | 100            | 3974        | 1.9            | 102    | 3974            | 0.92          | 102         | 1552         | 5.1    |           |        | 99        | 13     | -1.1      |      |        |       |           | 102    | 102 |
| 2025       | 9169         | 0.38    | -0.20      | 100            | 3793        | 1.9            | 102    | 3793            | 1.13          | 103         | 219          | 5.6    |           |        | 98        |        |           |      |        |       |           |        | 103 |
| 2026       | 4059         | 0.36    | -0.18      | 100            | 96          | 2.1            | 102    | 96              | 0.67          | 101         |              |        |           |        |           |        |           |      |        |       |           |        | 100 |

# Genetic Trends for Growth Test and Carcass Traits

## Herd

| Birth<br>Year | Growth |     |      |        |     |      |             |     |      |         |     |      | Frame  |     |      |        |     |      | Carcass       |     |      |     |      |          | Selection Values |                  |                 |               |
|---------------|--------|-----|------|--------|-----|------|-------------|-----|------|---------|-----|------|--------|-----|------|--------|-----|------|---------------|-----|------|-----|------|----------|------------------|------------------|-----------------|---------------|
|               | FCR    |     |      | ADG    |     |      | Veld Growth |     |      | Scrotum |     |      | Height |     |      | Length |     |      | EMA           |     |      | Fat |      | Marbling |                  | Carcass<br>Value | Growth<br>Value | Prod<br>Value |
|               | Number | EBV | EBVi | Number | EBV | EBVi | Number      | EBV | EBVi | Number  | EBV | EBVi | Number | EBV | EBVi | Number | EBV | EBVi | RTU<br>Number | EBV | EBVi | EBV | EBVi | EBV      | EBVi             |                  |                 |               |
|               |        |     |      |        |     |      |             |     |      |         |     |      |        |     |      |        |     |      |               |     |      |     |      |          |                  |                  |                 |               |
|               |        |     |      |        |     |      |             |     |      |         |     |      |        |     |      |        |     |      |               |     |      |     |      |          |                  |                  |                 |               |

## Breed

| Birth<br>Year | Growth |     |      |        |     |      |             |     |      |         |     |      | Frame  |     |      |        |     |      | Carcass       |       |     |       |     |          | Selection Values |                 |                 |               |
|---------------|--------|-----|------|--------|-----|------|-------------|-----|------|---------|-----|------|--------|-----|------|--------|-----|------|---------------|-------|-----|-------|-----|----------|------------------|-----------------|-----------------|---------------|
|               | FCR    |     |      | ADG    |     |      | Veld Growth |     |      | Scrotum |     |      | Height |     |      | Length |     |      | RTU<br>Number | EMA   |     | Fat   |     | Marbling |                  | Cracss<br>Value | Growth<br>Value | Prod<br>Value |
|               | Number | EBV | EBVi | Number | EBV | EBVi | Number      | EBV | EBVi | Number  | EBV | EBVi | Number | EBV | EBVi | Number | EBV | EBVi | EBV           | EBVi  | EBV | EBVi  | EBV | EBVi     |                  |                 |                 |               |
| 2017          | 19     | -7  | 104  | 176    | -5  | 99   | 447         | -10 | 97   | 174     | 1.1 | 98   | 175    | 0   | 97   | 175    | -1  | 98   | 118           | -0.22 | 96  | -0.31 | 98  | -0.32    | 99               | 98              | 96              | 95            |
| 2018          | 48     | 7   | 97   | 375    | -4  | 99   | 458         | -3  | 102  | 379     | 1.1 | 98   | 375    | 2   | 100  | 375    | 1   | 100  | 240           | 0.07  | 101 | 0.05  | 101 | -0.33    | 98               | 98              | 96              | 99            |
| 2019          | 37     | 7   | 97   | 455    | -3  | 100  | 563         | -6  | 100  | 432     | 1.4 | 99   | 456    | 3   | 101  | 462    | 1   | 101  | 348           | -0.01 | 100 | -0.29 | 98  | -0.32    | 99               | 98              | 98              | 101           |
| 2020          | 28     | -7  | 104  | 580    | 0   | 102  | 722         | -5  | 101  | 525     | 2.6 | 101  | 584    | 3   | 101  | 590    | 2   | 102  | 448           | 0.05  | 100 | -0.22 | 99  | -0.26    | 100              | 101             | 101             | 102           |
| 2021          | 40     | -6  | 103  | 557    | -3  | 101  | 642         | -5  | 101  | 537     | 1.7 | 99   | 557    | 2   | 101  | 560    | 1   | 101  | 331           | 0.16  | 102 | -0.15 | 99  | -0.24    | 100              | 102             | 99              | 100           |
| 2022          | 67     | -2  | 101  | 476    | -1  | 102  | 795         | -5  | 100  | 491     | 2.3 | 101  | 494    | 3   | 102  | 494    | 2   | 103  | 316           | 0.23  | 103 | 0.34  | 104 | -0.19    | 101              | 104             | 100             | 101           |
| 2023          | 29     | 3   | 99   | 476    | 2   | 104  | 1016        | -5  | 101  | 510     | 3.7 | 103  | 508    | 3   | 103  | 510    | 3   | 105  | 195           | 0.59  | 109 | 0.08  | 102 | -0.35    | 98               | 107             | 102             | 104           |
| 2024          | 10     | -6  | 103  | 476    | -1  | 102  | 927         | -8  | 99   | 463     | 4.6 | 105  | 462    | 4   | 103  | 463    | 3   | 104  | 159           | 0.55  | 108 | 0.52  | 106 | -0.11    | 102              | 110             | 100             | 106           |
| 2025          | 6      | -2  | 101  | 12     | 4   | 105  | 188         | -4  | 101  | 12      | 7.3 | 110  | 12     | 3   | 102  | 12     | 2   | 103  | 12            | -0.11 | 98  | 0.23  | 103 | 0.07     | 105              | 104             | 104             | 102           |
| 2026          |        |     |      |        |     |      |             |     |      |         |     |      |        |     |      |        |     |      |               |       |     |       |     |          |                  |                 |                 |               |

## Sires

| Bull                |          |                   | Selection Values |               |            |          |             |           |              |             |           | Birth       |          |                | Wean        |         |          |             | Grwth & Adaptation |     |             |     |            | Fertility |             |           |           | Raam   |        | Carcass |       |          |         | Progeny     |       |      |
|---------------------|----------|-------------------|------------------|---------------|------------|----------|-------------|-----------|--------------|-------------|-----------|-------------|----------|----------------|-------------|---------|----------|-------------|--------------------|-----|-------------|-----|------------|-----------|-------------|-----------|-----------|--------|--------|---------|-------|----------|---------|-------------|-------|------|
| Index<br>EBV<br>Acc | Genomic  | Sire ID<br>Dam ID | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass V | Cow wt brth | Birth wt | Cow-Calf birth | Cow wt wean | Wean wt | Wean mat | Cow-Calf wn | Post wn wt         | ADG | Veld growth | FCR | Skin Thckn | Scrotum   | Heifer Fert | Cow Fert. | Longevity | Height | Length | EMA     | Fat   | Marbling | Dress % | Nr measured |       |      |
| ID                  |          |                   |                  |               |            |          |             |           |              |             |           |             |          |                |             |         |          |             |                    |     |             |     |            |           |             |           |           |        |        |         |       |          |         | Comp.nr     | Birth | Wean |
| B                   | 120155   | B 050098          | 77               | 112           | 105        | 88       | 117         | 106       | 107          | 107         | 111       | 101         | 81       | 86             | 111         | 112     | 105      | 108         | 119                | 100 | 94          | 99  | 98         | 83        | 110         | 119       | 106       | 82     | 94     | 97      | 103   | 117      | 98      | 64          | 27    |      |
|                     | 76738913 | B 070027          | 92               | 87            | 79         | 81       | 69          | 74        | 58           | 69          | 54        | 8           | 1.61     | 1.0            | 17          | 5.4     | 1.8      | 4           | 14.8               | -4  | -16         | 3   | 0.15       | -6.8      | -7.3        | -3.7      | 35.0      | -8     | -2.9   | -0.18   | 0.21  | 0.75     | -0.02   | 3           | 12    | 34   |
|                     |          |                   |                  |               |            |          |             |           |              |             |           | 68          | 94       | 88             | 81          | 87      | 79       | 82          | 54                 | 56  | 14          | 24  | 65         | 62        | 72          | 49        | 87        | 61     | 54     | 51      | 57    | 52       | 54      |             |       |      |
| BH                  | 160284   | B 050098          | 104              | 100           | 125        | 101      | 115         | 124       | 110          | 124         | 115       | 97          | 97       | 108            | 96          | 100     | 125      | 122         | 101                | 110 | 102         | 111 | 91         | 115       | 105         | 112       | 112       | 112    | 123    | 101     | 99    | 102      | 101     |             |       |      |
|                     | 84688928 | 06-0011BBN        | 64               | 57            | 57         | 58       | 53          | 52        | 44           | 50          | 40        | 4           | 0.56     | -1.1           | 3           | 1.4     | 6.4      | 36          | 4.3                | 12  | -3          | -22 | -0.14      | 9.5       | -4.3        | -2.4      | 40.1      | 9      | 14.6   | 0.07    | -0.18 | -0.09    | 0.02    |             |       |      |
|                     |          |                   |                  |               |            |          |             |           |              |             |           | 55          | 63       | 63             | 58          | 57      | 57       | 57          | 46                 | 44  | 15          | 24  | 48         | 46        | 55          | 40        | 65        | 46     | 43     | 38      | 42    | 39       | 40      |             |       |      |
| CFH                 | 070345   | Z 040061          | 93               | 113           | 122        | 103      | 88          | 110       | 106          | 111         | 113       | 98          | 93       | 91             | 94          | 113     | 122      | 129         | 110                | 103 | 88          | 94  | 124        | 82        | 96          | 85        | 93        | 112    | 112    | 87      | 109   | 107      | 89      | 3           |       |      |
|                     | 66397548 | HVT 000001        | 72               | 60            | 63         | 65       | 60          | 58        | 42           | 53          | 36        | 5           | 0.83     | 0.5            | 2           | 5.5     | 5.7      | 51          | 9.7                | 1   | -24         | 13  | 1.24       | -7.3      | 1.5         | 2.6       | 24.9      | 9      | 8.4    | -0.84   | 0.79  | 0.17     | -0.13   |             | 1     | 1    |
|                     |          |                   |                  |               |            |          |             |           |              |             |           | 62          | 72       | 69             | 65          | 60      | 63       | 63          | 46                 | 41  | 20          | 19  | 46         | 44        | 60          | 44        | 75        | 43     | 40     | 34      | 37    | 34       | 36      |             |       |      |
| CFH                 | 140257   | CFH 060820        | 99               | 97            | 103        | 100      | 82          | 85        | 100          | 86          | 95        | 102         | 100      | 95             | 98          | 97      | 103      | 101         | 100                | 99  | 103         | 91  | 92         | 95        | 89          | 77        | 110       | 93     | 90     | 103     | 105   | 94       | 104     | 29          | 5     |      |
|                     | 80787021 | CFH 100206        | 85               | 72            | 68         | 70       | 62          | 65        | 34           | 56          | 30        | 8           | 0.35     | 0.1            | 5           | 0.2     | 1.3      | -10         | 4.1                | -5  | -2          | 19  | -0.12      | -0.5      | 6.1         | 4.3       | 38.4      | -2     | -5.5   | 0.25    | 0.44  | -0.57    | 0.05    |             | 6     | 14   |
|                     |          |                   |                  |               |            |          |             |           |              |             |           | 42          | 88       | 79             | 70          | 72      | 68       | 70          | 43                 | 33  | 17          | 17  | 37         | 36        | 67          | 40        | 80        | 36     | 32     | 29      | 32    | 29       | 30      |             |       |      |
| JRS                 | 160030   | TJP 080004        | 102              | 94            | 117        | 121      | 98          | 113       | 129          | 121         | 99        | 77          | 96       | 97             | 80          | 94      | 117      | 120         | 101                | 132 | 111         | 134 | 91         | 119       | 91          | 94        | 117       | 107    | 109    | 92      | 80    | 93       | 89      | 19          | 8     |      |
|                     | 88809793 | JRS 090028        | 83               | 69            | 56         | 60       | 57          | 60        | 47           | 56          | 45        | -13         | 0.59     | -0.1           | -11         | -0.8    | 4.6      | 31          | 4.3                | 45  | 11          | -68 | -0.16      | 11.7      | 4.6         | 1.0       | 43.9      | 6      | 6.2    | -0.53   | -2.03 | -0.65    | -0.13   | 2           | 3     | 5    |
|                     |          |                   |                  |               |            |          |             |           |              |             |           | 53          | 86       | 74             | 60          | 69      | 56       | 62          | 42                 | 46  | 16          | 19  | 55         | 52        | 60          | 35        | 77        | 50     | 44     | 42      | 48    | 43       | 45      |             |       |      |
| WZ                  | 140056   | MHB 040027        | 115              | 90            | 87         | 104      | 119         | 108       | 115          | 112         | 107       | 94          | 110      | 111            | 95          | 90      | 87       | 85          | 93                 | 109 | 108         | 106 | 115        | 96        | 115         | 120       | 107       | 94     | 90     | 110     | 134   | 81       | 115     | 103         | 20    |      |
|                     | 80702517 | HOT 100024        | 96               | 93            | 92         | 92       | 92          | 84        | 92           | 86          | 92        | 1           | -0.30    | -1.4           | 2           | -2.0    | -2.5     | -46         | 0.1                | 10  | 6           | -12 | 0.85       | -0.3      | -10.4       | -3.7      | 36.0      | -2     | -5.4   | 0.70    | 3.27  | -1.37    | 0.19    | 8           | 6     | 11   |
|                     |          |                   |                  |               |            |          |             |           |              |             |           | 91          | 97       | 94             | 92          | 93      | 92       | 92          | 92                 | 91  | 90          | 90  | 92         | 92        | 92          | 90        | 94        | 92     | 91     | 91      | 92    | 91       | 92      |             |       |      |

## Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal     |              |                   |                     | Selection Value |               |            |          |             |           |             |              |             | Birth     |              |          | Wean           |              |         |          | Growth & Adaptation |            |     |             |     | Fertility  |         |             |           | Frame     |        | Carcass |       |       |          |         |
|------------|--------------|-------------------|---------------------|-----------------|---------------|------------|----------|-------------|-----------|-------------|--------------|-------------|-----------|--------------|----------|----------------|--------------|---------|----------|---------------------|------------|-----|-------------|-----|------------|---------|-------------|-----------|-----------|--------|---------|-------|-------|----------|---------|
| ID         | % Inbreeding | Genomic Parentage | Index<br>EBV<br>Acc | Calv. Ease V    | Calf Growth V | Milk Value | Maint. V | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -brth | Birth wt | Cow-Calf birth | Cow wt -wean | Wean wt | Wean mat | Cow-Calf wn         | Post wn wt | ADG | Veld growth | FCR | Skin Thckn | Scrotum | Heifer Fert | Cow Fert. | Longevity | Height | Length  | EMA   | Fat   | Marbling | Dress % |
|            |              |                   |                     |                 |               |            |          |             |           |             |              |             |           |              |          |                |              |         |          |                     |            |     |             |     |            |         |             |           |           |        |         |       |       |          |         |
| BTB 230001 |              |                   |                     | 89              | 94            | 112        | 92       | 88          | 81        | 93          |              |             | 86        | 92           | 94       | 90             | 106          | 94      | 112      | 102                 | 89         | 73  | 104         | 72  | 89         | 89      | 86          | 90        | 85        | 79     | 76      | 89    | 84    | 78       | 87      |
| 95976692   |              | BH 170502         |                     | 28              | 32            | 26         | 27       | 24          | 25        | 30          |              |             | 18        | 0            | 0.77     | 0.5            | 12           | -0.8    | 3.2      | -8                  | -1.8       | -44 | 1           | 56  | -0.2       | -3.5    | 8.2         | 1.7       | 18.5      | -10    | -14     | -0.74 | -1.64 | -1.54    | -0.17   |
|            |              |                   |                     |                 |               |            |          |             |           |             |              |             |           | 22           | 28       | 28             | 27           | 32      | 26       | 28                  | 18         | 19  | 9           | 11  | 21         | 20      | 24          | 17        | 30        | 20     | 18      | 18    | 19    | 18       | 18      |

# Breeding Values and Accuracies: Cows & Heifers

Value <80    Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                   |              |                          |         | Selection Values |               |            |           |             |           |             |              |             |           | Birth         |              |                | Wean         |            |            |             | Growth & Adaptability |           |             |            |              | Fertility  |             |             |             | Frame     |           | Carcass     |             |              |             |
|--------------------------|--------------|--------------------------|---------|------------------|---------------|------------|-----------|-------------|-----------|-------------|--------------|-------------|-----------|---------------|--------------|----------------|--------------|------------|------------|-------------|-----------------------|-----------|-------------|------------|--------------|------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|--------------|-------------|
| ID                       | % Inbreeding | Genomic Parentage        | Index   | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V  | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth | Birth wt     | Cow-Calf birth | Cow wt -wean | Wean dir   | Wean mat   | Cow-Calf wn | Post wn wt            | ADG       | Veld growth | FCR        | Skin Thicken | Scrotum    | Heifer Fert | Cow Fert.   | Longevity   | Height    | Length    | EMA         | Fat         | Marbling     | Dress %     |
|                          |              |                          | EBV Acc |                  |               |            |           |             |           |             |              |             |           |               |              |                |              |            |            |             |                       |           |             |            |              |            |             |             |             |           |           |             |             |              |             |
| Sire ID                  | Dam ID       |                          |         |                  |               |            |           |             |           |             |              |             |           |               |              |                |              |            |            |             |                       |           |             |            |              |            |             |             |             |           |           |             |             |              |             |
| WZ 110157<br>75052258    |              | CFH 070345<br>N 080022   |         | 101<br>77        | 109<br>54     | 104<br>60  | 95<br>70  | 100<br>53   | 108<br>56 | 111<br>61   | 99<br>36     | 106<br>50   | 100<br>30 | 99<br>6       | 95<br>0.69   | 110<br>-1.4    | 103<br>9     | 109<br>4.2 | 104<br>1.5 | 108<br>5    | 108<br>8.4            | 106<br>5  | 90<br>-21   | 107<br>-13 | 91<br>-0.2   | 89<br>-3.8 | 103<br>-2.7 | 103<br>-0.7 | 98<br>29.1  | 109<br>7  | 111<br>8  | 93<br>-0.46 | 88<br>-1.21 | 93<br>-0.67  | 92<br>-0.10 |
| BH 170502<br>86363496    | 2            | B 120155<br>WZ 140111    |         | 82<br>57         | 101<br>63     | 97<br>51   | 103<br>54 | 100<br>47   | 90<br>50  | 95<br>59    | 96<br>38     | 89<br>46    | 104<br>37 | 92<br>-1      | 83<br>1.43   | 84<br>1.2      | 95<br>3      | 101<br>1.5 | 97<br>-0.2 | 100<br>-13  | 108<br>8.2            | 91<br>-16 | 102<br>-3   | 89<br>22   | 103<br>0.4   | 92<br>-1.8 | 96<br>1.7   | 99<br>0.1   | 109<br>37.8 | 78<br>-11 | 85<br>-9  | 98<br>-0.08 | 107<br>0.65 | 102<br>-0.09 | 100<br>0.00 |
| BH 200380<br>91671446    | 4            | JRS 160030<br>BH 170502  |         | 92<br>51         | 97<br>47      | 107<br>38  | 114<br>40 | 100<br>40   | 103<br>40 | 104<br>45   | 113<br>30    | 107<br>37   | 102<br>30 | 84<br>-7      | 90<br>1.01   | 90<br>0.5      | 88<br>-4     | 97<br>0.4  | 107<br>2.2 | 110<br>8    | 104<br>6.3            | 112<br>14 | 107<br>4    | 113<br>-25 | 97<br>0.1    | 106<br>5.0 | 94<br>2.6   | 97<br>0.5   | 115<br>42.6 | 92<br>-3  | 97<br>-1  | 95<br>-0.31 | 94<br>-0.69 | 98<br>-0.37  | 95<br>-0.07 |
| BH 200571<br>91662031    |              | CFH 140257<br>NAB 070017 |         | 99<br>56         | 99<br>44      | 111<br>44  | 97<br>45  | 86<br>44    | 92<br>42  | 104<br>46   | 96<br>22     | 91<br>36    | 98<br>20  | 102<br>9      | 102<br>0.23  | 94<br>0.2      | 101<br>8     | 99<br>1.1  | 111<br>3.2 | 108<br>5    | 99<br>3.4             | 96<br>-9  | 102<br>-3   | 99<br>3    | 90<br>-0.2   | 97<br>0.6  | 85<br>8.4   | 90<br>1.9   | 105<br>34.7 | 99<br>1   | 97<br>-1  | 98<br>-0.14 | 97<br>-0.37 | 109<br>0.32  | 97<br>-0.03 |
| NBOR210038<br>92763606   | 7            | WZ 140056<br>NBOR100072  |         | 111<br>67        | 98<br>52      | 104<br>50  | 106<br>51 | 117<br>45   | 121<br>48 | 106<br>54   | 105<br>40    | 120<br>46   | 110<br>38 | 91<br>-1      | 108<br>-0.18 | 105<br>-0.9    | 93<br>1      | 98<br>0.8  | 104<br>1.5 | 106<br>-1   | 101<br>4.8            | 101<br>-2 | 108<br>7    | 94<br>13   | 101<br>0.3   | 97<br>0.2  | 109<br>-6.8 | 123<br>-4.4 | 106<br>35.2 | 95<br>-1  | 97<br>-1  | 115<br>1.04 | 123<br>2.17 | 100<br>-0.23 | 118<br>0.23 |
| BTB 220003<br>93739217   |              | NAB 070017               |         | 98<br>36         | 94<br>26      | 123<br>28  | 88<br>27  | 85<br>25    | 87<br>26  | 101<br>28   |              |             | 84<br>13  | 98<br>5       | 104<br>0.11  | 95<br>0.1      | 110<br>15    | 94<br>-0.5 | 123<br>5.9 | 109<br>8    | 84<br>-4.6            | 73<br>-43 | 104<br>0    | 81<br>38   | 82<br>-0.5   | 93<br>-1.7 | 84<br>9.3   | 94<br>1.1   | 76<br>11.0  | 92<br>-3  | 86<br>-8  | 85<br>-0.96 | 75<br>-2.55 | 89<br>-0.89  | 82<br>-0.23 |
| BTB 230003<br>95990578   | 6            | BH 160284<br>BH 200380   |         | 98<br>41         | 99<br>37      | 116<br>34  | 109<br>35 | 108<br>33   | 114<br>33 | 110<br>37   | 111<br>27    | 116<br>31   | 108<br>25 | 91<br>-1      | 93<br>0.78   | 99<br>-0.3     | 92<br>0      | 99<br>0.9  | 116<br>4.3 | 116<br>22   | 102<br>5.3            | 111<br>13 | 104<br>1    | 112<br>-24 | 94<br>0.0    | 110<br>7.2 | 100<br>-0.9 | 105<br>-0.9 | 113<br>41.3 | 102<br>3  | 110<br>7  | 98<br>-0.12 | 96<br>-0.44 | 100<br>-0.23 | 98<br>-0.03 |
| BTB 240001<br>6020622939 |              | NBOR210038               |         | 104<br>34        | 93<br>26      | 115<br>25  | 93<br>25  | 97<br>23    | 96<br>24  | 98<br>27    | 76<br>20     | 87<br>23    | 89<br>20  | 92<br>0       | 106<br>-0.03 | 100<br>-0.4    | 104<br>11    | 93<br>-1.1 | 115<br>4.1 | 105<br>-2   | 86<br>-3.6            | 78<br>-37 | 108<br>5    | 74<br>52   | 88<br>-0.3   | 91<br>-2.5 | 92<br>4.0   | 102<br>-0.5 | 83<br>17.2  | 88<br>-5  | 82<br>-10 | 97<br>-0.18 | 92<br>-0.88 | 77<br>-1.61  | 96<br>-0.05 |
| BTB 250002<br>6020612401 |              | BH 160284<br>BH 200571   |         | 102<br>43        | 100<br>36     | 118<br>36  | 99<br>36  | 101<br>34   | 108<br>34 | 109<br>37   | 103<br>25    | 108<br>31   | 106<br>22 | 100<br>6      | 99<br>0.39   | 101<br>-0.5    | 98<br>5      | 100<br>1.3 | 118<br>4.8 | 115<br>20   | 100<br>3.8            | 103<br>1  | 102<br>-3   | 105<br>-10 | 91<br>-0.2   | 106<br>5.0 | 95<br>2.1   | 101<br>-0.3 | 108<br>37.4 | 105<br>5  | 110<br>7  | 99<br>-0.04 | 98<br>-0.28 | 106<br>0.12  | 99<br>-0.01 |

Selection List on Cow Value

Bulls 2 years and older

| ID<br>Name<br><div>Sorted on ID</div> |                   | Sire ID | Dam ID    | % Inbreeding | Horned / Polled | Myostatin |  | Genomic test | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Weaner Calf Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc | Carcass Value<br>Acc |
|---------------------------------------|-------------------|---------|-----------|--------------|-----------------|-----------|--|--------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|--------------------------|---------------------|-------------------|----------------------|
|                                       |                   |         |           |              |                 |           |  |              | ★★★★★                     |                          |                   |                     |                        |                  |                          |                     |                   |                      |
| 1                                     | BTB 230001 KRESPO |         | BH 170502 | 0.0          |                 |           |  |              | 8928                      | 9432                     | 11226             | 9227                | 8824                   | 8125             | 9330                     |                     |                   | 8618                 |

# Selection List on Cow Value

## Cows 2 years and older

| ID<br>Sorted on ID | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned /<br>Polled | Myostatin<br>nt821<br>F94L<br>Q204X | Genomic test | 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 | Weaner<br>Calf<br>Value<br>Acc | Growth<br>Value<br>Acc | Prod<br>Value<br>Acc | Carcass<br>Value<br>Acc |     |    |     |    |     |    |     |    |     |    |
|--------------------|------------|------------|------------|--------------|--------------------|-------------------------------------|--------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|--------------------------------|------------------------|----------------------|-------------------------|-----|----|-----|----|-----|----|-----|----|-----|----|
|                    |            |            |            |              |                    |                                     |              | ★★★★★                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |     |    |     |    |     |    |     |    |     |    |
| 1                  | NBOR210038 | NBOR210038 | WZ 140056  | NBOR100072   | 7.0                |                                     |              | 111                             | 67                             | 98                   | 52                     | 104                       | 50                  | 106                            | 51                     | 117                  | 45                      | 121 | 48 | 106 | 54 | 105 | 40 | 120 | 46 | 110 | 38 |
|                    |            |            |            |              |                    |                                     |              | ★★★★★                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |     |    |     |    |     |    |     |    |     |    |
| 1                  | BTB 230003 | KELLY      | BH 160284  | BH 200380    | 6.3                |                                     |              | 98                              | 41                             | 99                   | 37                     | 116                       | 34                  | 109                            | 35                     | 108                  | 33                      | 114 | 33 | 110 | 37 | 111 | 27 | 116 | 31 | 108 | 25 |
|                    |            |            |            |              |                    |                                     |              | ★★★★★                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |     |    |     |    |     |    |     |    |     |    |
| 1                  | BH 200380  | KELLY      | JRS 160030 | BH 170502    | 3.5                |                                     |              | 92                              | 51                             | 97                   | 47                     | 107                       | 38                  | 114                            | 40                     | 100                  | 40                      | 103 | 40 | 104 | 45 | 113 | 30 | 107 | 37 | 102 | 30 |
| 2                  | WZ 110157  | SUNSHINE   | CFH 070345 | N 080022     | 0.0                |                                     |              | 101                             | 77                             | 109                  | 54                     | 104                       | 60                  | 95                             | 70                     | 100                  | 53                      | 108 | 56 | 111 | 61 | 99  | 36 | 106 | 50 | 100 | 30 |
|                    |            |            |            |              |                    |                                     |              | ★★★★                            |                                |                      |                        |                           |                     |                                |                        |                      |                         |     |    |     |    |     |    |     |    |     |    |
| 1                  | BH 170502  | KELLY      | B 120155   | WZ 140111    | 2.0                |                                     |              | 82                              | 57                             | 101                  | 63                     | 97                        | 51                  | 103                            | 54                     | 100                  | 47                      | 90  | 50 | 95  | 59 | 96  | 38 | 89  | 46 | 104 | 37 |
| 2                  | BH 200571  | BH 200571  | CFH 140257 | NAB 070017   | 0.0                |                                     |              | 99                              | 56                             | 99                   | 44                     | 111                       | 44                  | 97                             | 45                     | 86                   | 44                      | 92  | 42 | 104 | 46 | 96  | 22 | 91  | 36 | 98  | 20 |
| 3                  | BTB 240001 | BTB 240001 |            | NBOR210038   | 0.0                |                                     |              | 104                             | 34                             | 93                   | 26                     | 115                       | 25                  | 93                             | 25                     | 97                   | 23                      | 96  | 24 | 98  | 27 | 76  | 20 | 87  | 23 | 89  | 20 |
|                    |            |            |            |              |                    |                                     |              | ★★★★                            |                                |                      |                        |                           |                     |                                |                        |                      |                         |     |    |     |    |     |    |     |    |     |    |
| 1                  | BTB 220003 | BTB220003  |            | NAB 070017   | 0.0                |                                     |              | 98                              | 36                             | 94                   | 26                     | 123                       | 28                  | 88                             | 27                     | 85                   | 25                      | 87  | 26 | 101 | 28 |     |    |     |    | 84  | 13 |

Selection List on Cow Value

Heifers younger than 2 years

| ID<br><div>Sorted on ID</div> |            | Name       | Sire ID   | Dam ID    | Visual Score<br>% Inbreeding | Horned /<br>Polled | Myostatin<br>nt821<br>F94L<br>Q204X |  | Genomic test     | Calving<br>Ease<br>Value<br><div>Acc</div> | Calf<br>Growth<br>Value<br><div>Acc</div> | Milk<br>Value<br><div>Acc</div> | Maint.<br>Value<br><div>Acc</div> | Fertility<br>Value<br><div>Acc</div> | Cow<br>Value<br><div>Acc</div> | Weaner<br>Calf<br>Value<br><div>Acc</div> | Growth<br>Value<br><div>Acc</div> | Prod<br>Value<br><div>Acc</div> | Carcass<br>Value<br><div>Acc</div> |
|-------------------------------|------------|------------|-----------|-----------|------------------------------|--------------------|-------------------------------------|--|------------------|--------------------------------------------|-------------------------------------------|---------------------------------|-----------------------------------|--------------------------------------|--------------------------------|-------------------------------------------|-----------------------------------|---------------------------------|------------------------------------|
|                               |            |            |           |           |                              |                    |                                     |  | <div>★★★★★</div> |                                            |                                           |                                 |                                   |                                      |                                |                                           |                                   |                                 |                                    |
| 1                             | BTB 250002 | BTB 250002 | BH 160284 | BH 200571 | 0.0                          |                    |                                     |  |                  | <div>10243</div>                           | <div>10036</div>                          | <div>11836</div>                | <div>9936</div>                   | <div>10134</div>                     | <div>10834</div>               | <div>10937</div>                          | <div>10325</div>                  | <div>10831</div>                | <div>10622</div>                   |



