

AMPTELIKE VEILINGSKATALOGUS VIR / OFFICIAL AUCTION CATALOGUE FOR

# LEONLIZA- EIE GEBRUIK

Veilingsdatum / Auction Date:  
**31 March 2025**

Data soos op / Data as on:  
**13 March 2025**



## SALES UNDER AUSPICES OF BONSMARA SA

Bonsmara stud breeding is subject to the stipulations of the Livestock Improvement Act and conforms to the standards of Bonsmara SA. The Society therefore has the right to implement certain controls to ensure the accuracy of information regarding Parentage, Performance and Estimated Breeding Values.

Information regarding Parentage, Performance and Estimated Breeding Values of animals, as supplied by the breeder, have been verified and compared to the official database of LOGIX BEEF. Bonsmara SA therefore, confirms the accuracy of such information.

To the knowledge of the Society these controls have been carried out accurately. However, the Society does not take any responsibility for incorrect information through printing errors or incorrect information provided by the breeder.

Animals on such sales have been visually screened by Inspectors of Bonsmara SA and comply with the Bonsmara Minimum Breed Standards as stipulated by the Society.

### The Society DOES NOT have any control over:

- Immunization and health status of animals
- Pregnancy status of cows and heifers
- Suitability of a bull for breeding
- Fertility status as well as venereal diseases and
- Commercial animals

Since the above is not classified as information regarding Parentage, Performance and Estimated Breeding Values, it DOES NOT fall within the jurisdiction of the meaning "Under the Auspices of Bonsmara SA".



## VEILINGS ONDER BESKERMING VAN BONSMARA SA

Bonsmara stoetteling wat onderhewig is aan die bepalings van die Veeverbeteringswet, vind plaas onder die vaandel van Bonsmara SA. Daarom behou die Genootskap hom die reg voor om kontroles volgens bepaalde prosedures uit te oefen ten opsigte van Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes.

Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes soos deur die teler voorsien vir die doel van hierdie katalogus, is gekontroleer en vergelyk met die amptelike databasis soos gehou deur LOGIX BEEF. Bonsmara SA bevestig dus die korrektheid van sodanige inligting.

Alhoewel die kontroles na die beste wete van die Genootskap gedoen is, kan die Genootskap egter nie verantwoordelik gehou word vir foutiewe inligting as gevolg van drukkersfoute of verkeerde inligting deur die telers verskaf nie.

Diere wat op hierdie veilings aangebied word, is onderwerp aan 'n proses van visuele inspeksie deur Keurders van Bonsmara SA en voldoen aan die Bonsmara Minimum Rasstandaarde soos bepaal deur die Genootskap.

### Die Genootskap het egter GEEN beheer oor:

- Immunisering en gesondheidstatus van diere
- Dragtigheidstatus van koeie en verse
- Teelgeskiktheid van bulle
- Vrugbaarheidstatus, asook geslagsiektes en
- Kommersiële diere nie.

Aangesien bogenoemde nie val onder die bedoeling met Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes nie, sorteer dit NIE onder die jurisdiksie van die bedoeling "Onder beskerming van Bonsmara SA" nie.



## ANIMAL AND PEDIGREE INFORMATION

**LOT 1** 1 **THE RED CATTLE FARM** 2

3

DEF 100066 P

4 **ABC 150029** 5 2015-02-03 6 SP

7 **DEF 050022**

8 **GHI 070076 HH(c)** 9 AGE/CALV. 14/10  
AVG. Wt/CALV. 92/10  
ICP 395

10 **Parentage Sire Dam**

**DNA** ✓

**Genomic** ✓

11 **ABC 080011** AGE/CALV. 13/9  
AVG. Wt/CALV. 105/9  
ICP 417

12 **MNO 030002** AGE/CALV. 19/10  
AVG. Wt/CALV. 109/10  
ICP 407

13 **JKL 000077 P**

- Lot Number
- Owner of the animal
- Herd's logo (if available)
- Animal Identification Number
- Birth date
- Herd book section - NFR / PEN / F0 / A / B / SP
- Four (4) generation pedigree
- Genomic testing - it is indicated with the GT logo
- Polled Status - the status will only be printed for animals that have been tested
- Parentage Verification - a green tick (✓) indicates that the sire and/or dam has been verified via either microsatellite (DNA), or Genomic testing
- QR Code - This code can be scanned with a smartphone or tablet. It redirects to the animal's information on [www.SABeefBulls.com](http://www.SABeefBulls.com) where all information for the animal is available.
- Dam information
  - Age and Number of Calvings
  - Average Wean Index and Number of Calves Weaned
  - Intercalving Period

## MYOSTATIN STATUS

The animal's status, if tested for myostatin variants, is indicated as follows:

- Not Tested
- 0 - Normal
- 1 - Heterozygous / Carrier of Double-Muscling gene
- 2 - Homozygous / Double-Muscled

## LOGIX SELECTION VALUES

| Calving Ease Value | Weaner Calf Value | Fertility Value | Maintenance Value | Cow Value | Growth Value | Carcass Value |
|--------------------|-------------------|-----------------|-------------------|-----------|--------------|---------------|
| 109                | 98                | 111             | 99                | 101       | 98           | 103           |
| 1                  | 2                 | 3               | 4                 | 5         | 6            | 7             |



### 2 ♀ GIX Weaner Calf Value

Selection for heavy weaners

Measurements: Weaning weight, Birth weight, and Mature weight  
EBVs: Wean direct & maternal, Birth direct & maternal, Mature weight



### 6 ♀ GIX Growth Value

Selection for efficient growers on veld and in feedlot

Measurements: Phase C and D Growth test traits  
EBVs: Weaning weight, End weight, ADG and Intake



### 7 ♀ GIX Carcass Value

Selection for higher meat yields on a carcass

Measurements: Phase C and D Growth test traits, RTU scanning traits  
EBVs: End weight, Eye Muscle Area and Fat

## HOW TO USE SELECTION VALUES

Sub-values could also be compatible with your selection goal. Don't select only on the Cow Value

### AVERAGE ANIMALS (NO GROWTH EXTREMES)

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

A safe choice, as animals are profitable in most environments.

### GROWERS (GOOD ENVIRONMENT)

- Weaner Calf / Growth Value > 110
- Cow Value & Fertility Value average to high

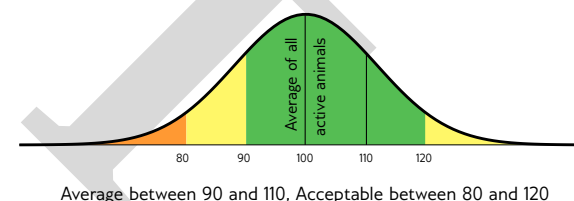
Growers are heavier at birth (lower Calving Ease Value), and heavier at maturity (lower Maintenance Value).

### LOW-MAINTENANCE ANIMALS (HARSH ENVIRONMENT)

- Maintenance Value > 110
- Cow Value & Fertility Value average to high

Lighter cows have a lower maintenance (higher Maintenance Value).

## INTERPRETATION OF BREEDING VALUE INDICES AND SELECTION VALUES



## EXPLANATION OF BREEDING VALUES AND SELECTION VALUES

| Traits           |    |                         |       | Description/Measurement                                                                       | Goal                      | General Guidelines |     |        |      |        |       |
|------------------|----|-------------------------|-------|-----------------------------------------------------------------------------------------------|---------------------------|--------------------|-----|--------|------|--------|-------|
|                  |    |                         |       |                                                                                               |                           | <80                | <90 | 90-110 | >110 | >120   |       |
| Selection Values | 5  | Cow Value               | CV    | Combination of Calving Ease, Calf Growth, Milk, Maintenance and Fertility Values (Rand-Value) | Profitable Cow            | Loss               |     |        |      | Profit |       |
|                  | 1  | Calving Ease Value      | CEV   | Risk for calving problems (calf too heavy) vs calf too small                                  | Average birth weight      | High               |     |        |      | Low    |       |
|                  |    | Calf Growth Value       | CGrV  | Calf's genetic ability for pre-weaning growth                                                 | Heavy weaner calf         | Light              |     |        |      | Heavy  |       |
|                  |    | Milk Value              | MlkV  | Cow's genetic mothering and milking ability                                                   | Enough milk for the calf  | Less               |     |        |      | More   |       |
|                  | 4  | Maintenance Value       | MntV  | Maintenance requirements of cow (cow weight and milk)                                         | Low cow maintenance       | High               |     |        | *    | Low    |       |
|                  | 3  | Fertility Value         | FertV | Fertility and retention of cows and heifers                                                   | Fertile cows              | Low                |     |        |      | High   |       |
|                  | 2  | Weaner Calf Value       | WnCV  | Combination of calf's weight and cow's milk                                                   | Heavy weaner calves       | Light              |     |        |      | Heavy  |       |
|                  | 6  | Growth Value            | GV    | Efficient growth on veld and in feedlot (Rand-value)                                          | Profitable growth         | Loss               |     |        |      | Profit |       |
| Cow & Heifer     | 7  | Carcass Value           | VarcV | Meat on carcass (Weight and RTU EBVs)                                                         | More meat on the carcass  | Less               |     |        |      | More   |       |
|                  |    | Production Value        | PV    | Combination of Cow- and Growth values (Rand-value)                                            | Profitable animals        | Loss               |     |        |      | Profit |       |
|                  | 8  | Birth Weight Direct     | BD    | Birth weight (Calf's genetic ability)                                                         | Average birth weight      | Heavy              |     |        |      | Light  |       |
|                  |    | Birth Weight Maternal   | BM    | Birth weight (Cow's genetic ability)                                                          | Easy calving              | Heavy              |     |        |      | Light  |       |
|                  | 9  | Weaning Weight Direct   | WD    | Weaning weight (Calf's genetic ability)                                                       | Heavy weaner calves       | Light              |     |        |      | Heavy  |       |
|                  | 10 | Weaning Weight Maternal | WM    | Weaning weight (Cow's genetic ability)                                                        | Good mothers              | Poor               |     |        |      | Good   |       |
|                  | 18 | Mature Cow Weight       | MW    | Cow weight at weaning of first three calves                                                   | Average mature cow weight | Light              |     | *      | *    | Heavy  |       |
|                  |    | Cow-Calf Birth          | CCB   | EBV Birth Direct / EBV Mature Cow weight                                                      | Average                   | Low                |     |        |      | High   |       |
| Fertility        |    | Cow-Calf Wean           | CCW   | EBV Wean Direct / EBV Mature Cow weight                                                       | High calf-cow ratio       | Low                |     |        |      | High   |       |
|                  | 12 | Heifer Fertility        | HF    | Age at first calving                                                                          | Fertile heifers           | Less               |     |        |      | More   |       |
|                  | 13 | Cow Fertility           | CFE   | First 3 inter-calving periods (ICPs)                                                          | Fertile cows              | Less               |     |        |      | More   |       |
|                  | 11 | Scrotal Circumference   | SC    | Scrotal circumference as measured during the growth test                                      | Fertile bulls             | Less               |     |        |      | More   |       |
| Growth & Frame   | 14 | Longevity               | LG    | Retention of progeny                                                                          | Acceptable progeny        | Poor               |     |        |      | Good   |       |
|                  | 15 | Post-Wean Weight        | PWn   | 12- and 18 month weights                                                                      | Good post-wean growth     | Low                |     |        |      | *      | High  |
|                  | 16 | Average Daily Gain      | ADG   | Average daily gain                                                                            | Good growth               | Poor               |     |        |      |        | Good  |
|                  | 17 | Feed Conversion Ratio   | FCR   | 100g feed intake / g weight gain                                                              | Feed efficiency           | Poor               |     |        |      |        | Good  |
|                  |    | Final Test Weight       | FW    | Final weight in the growth test                                                               | Heavy carcass             | Light              |     |        | *    |        | Heavy |
|                  | 19 | Height                  | H     | Shoulder height in growth test                                                                | Average height            | Short              |     |        |      |        | Tall  |
|                  | 20 | Length                  | L     | Length in growth test                                                                         | Longer for more muscle    | Short              |     |        |      |        | Long  |
|                  | 24 | Length-Height Ratio     | LH    | EBV Length / EBV Height                                                                       | Longer rather than tall   | <1                 |     |        |      |        | >1    |
| Carcass          | 21 | Eye Muscle Area         | EMA   | RTU measured eye muscle area                                                                  | Bigger steaks             | Small              |     |        |      |        | Big   |
|                  | 22 | Fat Thickness           | Fat   | RTU measured P8 backfat thickness                                                             | Carcass quality           | Thin               |     |        |      |        | Thick |
|                  | 23 | Marbling                | Mar   | RTU measured % of intra-muscular fat                                                          | Juicy meat                | Low                |     |        |      |        | High  |
|                  |    | Dressing Percentage     | D%    | Carcass weight / Live weight                                                                  | High dressing percentage  | Low                |     |        |      |        | High  |

\* Determined by own selection goal

### GENETIC VALUES - BUILDING BLOCKS

| Calf and Mother |           |           | Fertility    |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|--------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scrot. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 99              | 99        | 90        | 97           | 75           | 92        | 85      | 100              | 94  | 93  | 92            | 123    | 110    | 104     | 100 | 79  |
| 8               | 9         | 10        | 11           | 12           | 13        | 14      | 15               | 16  | 17  | 18            | 19     | 20     | 21      | 22  | 23  |

The Logix Selection Values are compiled of specific genetic building blocks, as indicated in the selection value descriptions on the previous page. These genetic building blocks are indicated in the catalogue by their Breeding Value Indices.

### PHENOTYPIC VALUES

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH   |
|------------|------------|------------|-----------|-----------|---------|------|
| 109        | 104        | 105        | 122       | 117       | 327     | 1.22 |
|            |            |            | 16        | 17        | 11      | 24   |

- Wean, 365D, 540D, ADG and FCR Indices - phenotypic index obtained within the animal's contemporary group
- Scrotum - adjusted scrotal circumference, in mm, as measured during the growth test
- Length-Height Ratio (LH) - the animal's length / height ratio as measured during the growth test

**BULLS**

**LOT 2**

LEONLIZA BONSMARAS



HP 220325  
2022-12-07  
SP

Parentage Sire Dam

DNA ✓ ✓

Genomic

HP 140240



HP 160253

AGE/CALV. 8/6  
AVG. Wt/CALV. 95/5  
ICP 373

BPJ 080022

HJS 010038

AGE/CALV. 18/14  
AVG. Wt/CALV. 103/13  
ICP 413

JJ 060057

HP 090100

AGE/CALV. 13/10  
AVG. Wt/CALV. 99/10  
ICP 404

FCT 000065

LA 980057  
AGE/CALV. 13/9  
AVG. Wt/CALV. 102/8

AG 920282

HJS 970079  
AGE/CALV. 14/11  
AVG. Wt/CALV. 109/9

JJ 020019

JJ 020146  
AGE/CALV. 7/4  
AVG. Wt/CALV. 101/4

FCT 980067

HP 020091  
AGE/CALV. 7/5  
AVG. Wt/CALV. 105/3

Calving Ease  
Value  
**92**

Weaner Calf  
Value  
**104**

Fertility  
Value  
**97**

Maintenance  
Value  
**87**

Cow Value  
**101**

Growth  
Value  
**96**

Carcass  
Value  
**107**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 94              | 109       | 105       | 101        | 81           | 110       | 106     | 105              | 97  | 97  | 113           | 95     | 99     | 106     | 114 | 94  |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH   |
|------------|------------|------------|-----------|-----------|---------|------|
| 101        | -          | -          | 98        | -         | 311     | 1.20 |

| Myostatin |   |
|-----------|---|
| Q204X     | 0 |
| NT821     | 0 |
| F94L      | 0 |

REMARKS:

LOGIX EBV Analysis: 2025-02-26

**LOT 3**

LEONLIZA BONSMARAS



HP 220067  
2022-04-28  
SP

Parentage Sire Dam

DNA ✓ ✓

Genomic

HP 190012



HP 190266

AGE/CALV. 5/3  
AVG. Wt/CALV. 93/2  
ICP 459

BG 020058 Pp(c)

HP 160086

AGE/CALV. 8/6  
AVG. Wt/CALV. 102/6  
ICP 380

HP 170390

HP 160023

AGE/CALV. 9/6  
AVG. Wt/CALV. 103/6  
ICP 377

FCT 980063

B 930207  
AGE/CALV. 14/10  
AVG. Wt/CALV. 102/10

CRV 120309

HP 130237  
AGE/CALV. 11/8  
AVG. Wt/CALV. 107/8

FCT 120053

HP 120082  
AGE/CALV. 9/6  
AVG. Wt/CALV. 96/6

LMR 100022

HP 130275  
AGE/CALV. 3/2  
AVG. Wt/CALV. 93/1

Calving Ease  
Value  
**113**

Weaner Calf  
Value  
**101**

Fertility  
Value  
**101**

Maintenance  
Value  
**105**

Cow Value  
**105**

Growth  
Value  
**94**

Carcass  
Value  
**101**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 117             | 98        | 97        | 109        | 107          | 92        | 107     | 102              | 95  | 89  | 93            | 94     | 98     | 99      | 93  | 103 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH   |
|------------|------------|------------|-----------|-----------|---------|------|
| 97         | -          | -          | 99        | -         | 357     | 1.27 |

| Myostatin |   |
|-----------|---|
| Q204X     | 1 |
| NT821     | 0 |
| F94L      | 0 |

REMARKS:

LOGIX EBV Analysis: 2025-02-26

| Dier Info                        |           |     |     | Actual Values |              |           |           |                     |                 | Expected Breeding Values |                |               |               |                |                     |           |             |                 |              | Indices     |      |     | Dam        |                 |            |             |
|----------------------------------|-----------|-----|-----|---------------|--------------|-----------|-----------|---------------------|-----------------|--------------------------|----------------|---------------|---------------|----------------|---------------------|-----------|-------------|-----------------|--------------|-------------|------|-----|------------|-----------------|------------|-------------|
| LOT                              | Animal ID | Sex | SEC | Birth Wt (kg) | 205d Wt (kg) | CCB Ratio | CCW Ratio | Length Height Ratio | Scr. Circ. (mm) | Birth Dir (kg)           | Birth Mat (kg) | Wean Dir (kg) | Wean Mat (kg) | Post Wean (kg) | Mature Weight. (kg) | ADG (g/d) | FCR (kg:kg) | Scr. Circ. (mm) | Height. (mm) | Length (mm) | Wean | ADG | Scr. Circ. | Avg. Wean Index | Nr. Calves | Repr. Index |
| Breed Average<br>Auction Average |           |     |     | 33            | 224          | 6.41      | 40.3      | 1.23                | 334             | 0.89<br>0.34             | -0.29<br>0.17  | 13.7<br>15.4  | 3.5<br>3.9    | 23<br>29       | 21<br>25            | 81<br>66  | -44<br>-34  | 11.4<br>14.0    | -3.0<br>-8   | 12.0<br>10  | 99   | 98  | 105        | 94              | 4.0        | 105         |
| 2                                | HP 220325 | M   | SP  | 36            | 234          | 5.88      | 32.7      | 1.20                | 311             | 1.57                     | 0.02           | 18.0          | 5.1           | 29.7           | 39.8                | 68        | -41         | 11.7            | -7           | 11          | 101  | 98  | 101        | 95              | 6          | 107         |
| 3                                | HP 220067 | M   | SP  | 30            | 213          | 6.94      | 47.9      | 1.27                | 357             | -0.88                    | 0.32           | 12.8          | 2.7           | 27.7           | 11.0                | 63        | -28         | 16.4            | -8           | 10          | 97   | 99  | 109        | 93              | 3          | 103         |

## EXPLANATION OF CATALOGUE ABBREVIATIONS

## VERDUIDELIKING VAN KATALOGUS AFKORTINGS

|                                                         |                 |                  |                                                             |
|---------------------------------------------------------|-----------------|------------------|-------------------------------------------------------------|
| Lot Number                                              | LOT             | LOT              | Lot Nommer                                                  |
| Estimated breeding value                                | EBV             | EBV              | Beraamde teelwaarde                                         |
| Parentage verification                                  | Parentage       | Ouerskap         | Ouerskap verifikasie                                        |
| Age in years / Number of calvings                       | AGE. / CALV.    | OOD. / KALF.     | Ouderdom in jaar / Aantal kalwings                          |
| Average Wean index / Number of calves weaned            | Ave WI / CALV.  | GEM SI / KALF.   | Gemiddelde speen indeks / Aantal kalwers gespeen            |
| Animal identification number                            | ID              | ID               | Dier se identifikasie nommer                                |
| Herd Book Section                                       | SEC             | AFD              | Kuddeboek Afdeling                                          |
| Herd Book Section: Pending Registration                 | PEN             | PEN              | Kuddeboek Afdeling: Wag vir Registrasie                     |
| Herd Book Section: Not for Registration                 | NFR             | NFR              | Kuddeboek Afdeling: Nie vir Registrasie                     |
| Herd Book Section: Foundation Generation                | FO              | FO               | Kuddeboek Afdeling: Fondasie Generasie                      |
| Herd Book Section: Appendix A                           | A               | A                | Kuddeboek Afdeling: Aanhangsel A                            |
| Herd Book Section: Appendix B                           | B               | B                | Kuddeboek Afdeling: Aanhangsel B                            |
| Herd Book Section: Studbook Proper, a registered animal | SP              | SP               | Kuddeboek Afdeling: Studbook Proper, 'n geregistreerde dier |
| Genomically Tested                                      | GT              | GT               | Genomies Getoets                                            |
| Homozygous Horned (Celtic test)                         | HH(c)           | HH(c)            | Homosigoties horings (Celtic toets)                         |
| Homozygous Polled (Celtic test)                         | PP(c)           | PP(c)            | Homosigotiets Poena (Celtic toets)                          |
| Heterozygous Polled (Celtic test)                       | Pp(c)           | Pp(c)            | Heterosigoties Poena (Celtic toets)                         |
| Phenotypically Polled                                   | P               | P                | Fenotopies Poena                                            |
| Intercalving Period                                     | ICP             | TKP              | Tussen-Kalf Periode                                         |
| Birth Direct breeding value                             | Birth Dir.      | Geb. Dir.        | Geboorte Direk teelwaarde                                   |
| Wean Direct breeding value                              | Wean Dir.       | Spn. Dir.        | Speen Direk teelwaarde                                      |
| Wean Maternal breeding value                            | Wean Mat.       | SPn. Mat.        | Speen Maternaal teelwaarde                                  |
| Scrotal Circumference                                   | Scr. Circ.      | Skr. Omt.        | Skrotum omtrek                                              |
| Heifer Fertility                                        | Heifer Fert.    | Vers Vrugb.      | Vers Vrugbaarheid                                           |
| Cow Fertility                                           | Cow Fert.       | Koei Vrugb.      | Koei Vrugbaarheid                                           |
| Longevity                                               | Longev.         | Lankl.           | Lanklewendheid                                              |
| Mature Weight                                           | Mat. Wt.        | Volw. Gewig      | Volwasse gewig                                              |
| Average Daily Gain (g/day)                              | ADG             | GDT              | Gemiddelde Daaglikse Toename                                |
| Feed Conversion Ratio (kg:kg)                           | FCR             | VOV              | Voeromset Verhouding                                        |
| Eye Muscle Area                                         | EMA             | OSO              | Oogspier grootte                                            |
| Backfat Thickness                                       | Fat             | Vet              | Rugvet Diepte                                               |
| Marbeling (intra-muscular fat)                          | Mar             | Mar              | Marmering (binne-spijse vet)                                |
| 365-day weight index                                    | 365D Index      | 365D Indeks      | 365-dae gewig indeks                                        |
| 540-day weight index                                    | 540D Index      | 540D Indeks      | 540-dae gewig indeks                                        |
| Length-Height ratio                                     | LH              | LH               | Lengte-Hoogte Verhouding                                    |
| Actual Birth weight                                     | Birth Wt.       | Geb. gewig       | Werklike Geboorte gewig                                     |
| 205-day Dam-age corrected weight                        | 205d Wt.        | 205d gewig       | 205-dag Moeder-ouderdom gekorrigeerde gewig                 |
| Cow-Calf Birth Ratio                                    | CCG             | KKG              | Koei-Kalf Geboorte Verhouding                               |
| Cow-Calf Wean Ratio                                     | CCW             | KKS              | Koei-Kalf Speen Verhouding                                  |
| Average Weaning Index                                   | Avg. Wean Index | Gem. Spn. Indeks | Gemiddelde speen indeks                                     |
| Number of Calves                                        | Nr. Calves      | Aant. Kalw.      | Aantal kalwers                                              |
| Reproduction Index                                      | Repr. Index     | Repr. Indeks     | Reproduksie indeks                                          |
| Animal sex: M - Male, F - Female                        | M / F           | M / V            | Dier geslag: M - Manlik, V - Vroulik                        |