

AMPTELIKE VEILINGSKATALOGUS VIR / OFFICIAL AUCTION CATALOGUE FOR

BOSVELD BONSMARA KLUB

Veilingsdatum / Auction Date:
07 June 2022

Data soos op / Data as on:
16 February 2022



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

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

10

Parentage Sire Dam

DNA ✓

Genomic ✓

12 2 CO-OWNER(S)
USED IN HERD

7 DEF 100066 P

8 **DEF 050022**

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

11

JKL 000077 P

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

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

- 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 smart device. It redirects to the animal's information on www.SABeefBulls.com where all information for the animal is available.
- Number of owners/co-owners/users/semen-users - if more than 1 user
- Dam information
 - Age and Number of Calvings
 - Average Wean Index and Number of Calves Weaned
 - Intercalving Period

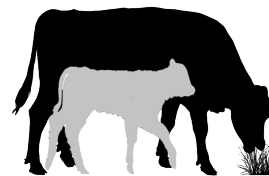
MYOSTATIN STATUS

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

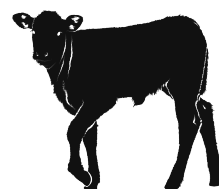


5 L♀ GIX Cow Value

Selection of:

- Fertile cows,
- with low maintenance,
- that calf easily,
- and wean heavy calves

- 1 Calving Ease Value EBVs Birth Direct & Maternal
- Calf Growth Value EBV Wean Direct
- 3 Fertility Value EBVs Cow & Heifer Fertility, EBV Longevity
- Milk Value EBV Wean Maternal
- 4 Maintenance Value EBVs Mature weight & Milk



2 L♀ GIX Weaner Calf Value

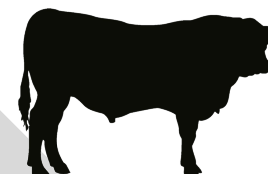
Selection of:

- Heavier weaning weights,
- with more milk,
- but restricted birth weight



7 L♀ GIX Carcass Value

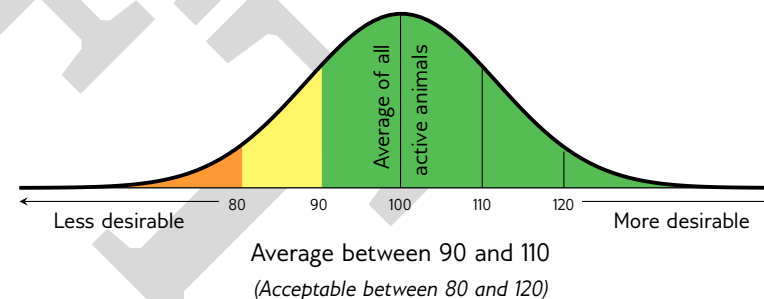
Selection for higher meat yield on carcass



6 L♀ GIX Growth Value

Selection of efficient growers on veld & in the feedlot

INTERPRETATION OF BREEDING VALUE INDICES



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
		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 / Hip height in growth test	Average height	Short					Tall
	20	Length	L	Length in growth test	Longer for more muscle	Short					Long
Carcass	24	Length-Height Ratio	LH	EBV Length / EBV Height	Longer rather than tall	<1					>1
	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

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

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.

- 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 1
CULMPINE BONSMARAS



RRF 180338
2018-10-10
SP

Parentage Sire Dam

DNA ☒

Genomic ☐

USED IN HERD (14)

LAR 110071



RRF 110004
AGE/CALV. 10/8
AVG. Wt/CALV. 110/6
ICP 360

FCT 970024

RRF 970038
AGE/CALV. 16/14
AVG. Wt/CALV. 97/13
ICP 367

LAR 060224

LAR 080188 HH(c)
AGE/CALV. 13/8
AVG. Wt/CALV. 106/8
ICP 443

FCT 970024

RRF 970038
AGE/CALV. 16/14
AVG. Wt/CALV. 97/13
ICP 367

LAR 010297

LAR 020180
AGE/CALV. 19/15
AVG. Wt/CALV. 108/14

LAR 040287

LAR 960222
AGE/CALV. 12/10
AVG. Wt/CALV. 101/10

LEL 900027

JVD 910053
AGE/CALV. 12/10
AVG. Wt/CALV. 104/10

HCF L 0401

RRF H 0015
AGE/CALV. 13/11
AVG. Wt/CALV. 106/11

Calving Ease Value **123**

Weaner Calf Value **105**

Fertility Value **91**

Maintenance Value **83**

Cow Value **102**

Growth Value **114**

Carcass Value **115**

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
127	102	104	108	87	87	117	104	112	105	118	106	110	113	114	81

Wean Index **119**

365D Index **-**

540D Index **-**

ADG Index **94**

FCR Index **-**

Scrotum **347**

LH **1.21**

REMARKS:

EBV Analysis: 2022-01-31

Myostatin

Q204X Not Tested

NT821 Not Tested

F94L Not Tested

LOT 2
CULMPINE BONSMARAS



RRF 180365
2018-10-31
SP

Parentage Sire Dam

DNA ☒

Genomic ☐

USED IN HERD (11)

LAR 110071



RRF 130066
AGE/CALV. 8/6
AVG. Wt/CALV. 104/5
ICP 365

RRF 080088
AGE/CALV. 7/5
AVG. Wt/CALV. 94/4
ICP 374

LAR 060224

LAR 080188 HH(c)
AGE/CALV. 13/8
AVG. Wt/CALV. 106/8
ICP 443

PHR 030036

RRF 080088
AGE/CALV. 7/5
AVG. Wt/CALV. 94/4
ICP 374

LAR 010297

LAR 020180
AGE/CALV. 19/15
AVG. Wt/CALV. 108/14

LAR 040287

LAR 960222
AGE/CALV. 12/10
AVG. Wt/CALV. 101/10

RCO 980037

PHR L 0144
AGE/CALV. 14/10
AVG. Wt/CALV. 108/8

RRF 050051

RRF 930071
AGE/CALV. 17/14
AVG. Wt/CALV. 111/12

Calving Ease Value **76**

Weaner Calf Value **134**

Fertility Value **97**

Maintenance Value **79**

Cow Value **117**

Growth Value **140**

Carcass Value **134**

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
80	136	118	116	93	86	125	139	131	111	124	133	136	124	96	85

Wean Index **124**

365D Index **-**

540D Index **-**

ADG Index **118**

FCR Index **-**

Scrotum **328**

LH **1.22**

REMARKS:

EBV Analysis: 2022-01-31

Myostatin

Q204X Not Tested

NT821 Not Tested

F94L Not Tested

LOT 3
CULMPINE BONSMARAS



RRF 190017
2019-09-30
SP

Parentage Sire Dam

DNA ☒

Genomic ☐

USED IN HERD (11)

LAR 110071



RRF 090004
AGE/CALV. 13/10
AVG. Wt/CALV. 96/9
ICP 410

RRF 060074
AGE/CALV. 14/10
AVG. Wt/CALV. 101/8
ICP 428

LAR 060224

LAR 080188 HH(c)
AGE/CALV. 13/8
AVG. Wt/CALV. 106/8
ICP 443

RRF 060067

RRF 060074
AGE/CALV. 14/10
AVG. Wt/CALV. 101/8
ICP 428

LAR 010297

LAR 020180
AGE/CALV. 19/15
AVG. Wt/CALV. 108/14

LAR 040287

LAR 960222
AGE/CALV. 12/10
AVG. Wt/CALV. 101/10

TBR 000717

RRF 980015
AGE/CALV. 15/13
AVG. Wt/CALV. 110/11

TBR 010686

RRF 000071
AGE/CALV. 10/6
AVG. Wt/CALV. 113/5

Calving Ease Value **79**

Weaner Calf Value **103**

Fertility Value **94**

Maintenance Value **88**

Cow Value **92**

Growth Value **122**

Carcass Value **112**

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
80	113	101	91	99	83	110	112	111	100	112	105	110	104	102	81

Wean Index **98**

365D Index **-**

540D Index **-**

ADG Index **107**

FCR Index **-**

Scrotum **324**

LH **1.21**

REMARKS:

EBV Analysis: 2022-01-31

Myostatin

Q204X 0

NT821 Not Tested

F94L 0

BULLE

LOT 4 **CULMPINE BONSMARAS**



RRF 190020
2019-09-30
SP

Ouerskap Vaar Moer

DNS

Genomies



RRF 150038

RRF 150093
OUD/KALW. 6/3
GEM. SI/KALW. 106/2
TKP 502

WAT 100145

RRF 060037
OUD/KALW. 14/10
GEM. SI/KALW. 106/10
TKP 374

RRF 090031

RRF 120093
OUD/KALW. 4/1
GEM. SI/KALW. 109/1
TKP -

WAT 070134

WAT 030074
OUD/KALW. 10/6
GEM. SI/KALW. 97/6

TBR 010686

RRF 030035
OUD/KALW. 3/1
GEM. SI/KALW. 129/1

AG 920282

RRF 050056
OUD/KALW. 10/7
GEM. SI/KALW. 113/6

THE 060036

RRF 080083
OUD/KALW. 12/9
GEM. SI/KALW. 98/8

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids- waarde	Onderhouds- waarde	Koeiwaarde	Groei- waarde	Karkas- waarde
113	101	91	110	100	90	89

Kalf en Moeder			Vrugbaarheid			Na-Speen Groei			Raam			Karkas			
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
112	93	105	106	93	89	104	88	87	88	91	89	92	91	103	102

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
100	-	-	90	-	352	1.19

OPMERKINGS:

EBV Analiese: 2022-01-31

Miostatien	
Q204X	1
NT821	Nie Getoets
F94L	0

LOT 5 **CULMPINE BONSMARAS**



RRF 190044
2019-10-15
SP

Ouerskap Vaar Moer

DNS ✓

Genomies



LAR 110071

RRF 110079
OUD/KALW. 10/8
GEM. SI/KALW. 101/6
TKP 405

LAR 060224

LAR 080188 HH(c)
OUD/KALW. 13/8
GEM. SI/KALW. 106/8
TKP 443

RRF 070043

RRF 040051
OUD/KALW. 11/9
GEM. SI/KALW. 113/7
TKP 367

LAR 010297

LAR 020180
OUD/KALW. 19/15
GEM. SI/KALW. 108/14

LAR 040287

LAR 960222
OUD/KALW. 12/10
GEM. SI/KALW. 101/10

JRB 980118

RRF 980056
OUD/KALW. 12/9
GEM. SI/KALW. 105/8

TBR 000713

RRF 970019
OUD/KALW. 15/10
GEM. SI/KALW. 112/9

Geboortegemak Waarde	Speenkalf Waarde	Vrugbaarheids- waarde	Onderhouds- waarde	Koeiwaarde	Groei- waarde	Karkas- waarde
77	107	105	78	103	114	115

Kalf en Moeder			Vrugbaarheid			Na-Speen Groei			Raam			Karkas			
Geb. Dir.	Spn. Dir.	Spn. Mat.	Skr. Omtr.	Vers Vrugb.	Koei Vrugb.	Lankl.	Na-Speen	GDT	VOV	Volw. Gewig	Hoogte	Lengte	OSO	Vet	Mar
81	115	116	100	102	98	114	120	110	104	125	112	113	112	105	77

Spn. Indeks	365D Indeks	540D Indeks	GDT Indeks	VOV Indeks	Skrotum	LH
95	-	-	97	-	325	1.19

OPMERKINGS:

EBV Analiese: 2022-01-31

Miostatien	
Q204X	0
NT821	Nie Getoets
F94L	0

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 Auction Average				36	216	8.15	43.8	1.20	335	1.04 1.48	-0.20 0.21	13.8 19.0	3.9 6.4	22 35	10 25	100 148	-47 -51	10.2 13.5	9	31	107	101	104	103	7.0	105	
1	RRF 180338	M	SP	29	223	5.47	42.2	1.21	347	-1.74	0.21	14.5	5.1	28	30	156	-59	16.4	6	29	119	94	108	110	8	110	
2	RRF 180365	M	SP	38	240	8.88	50.6	1.22	328	3.17	0.43	30.0	8.9	55	36	247	-71	23.2	29	64	124	118	116	104	6	109	
3	RRF 190017	M	SP	40	171	8.62	35.9	1.21	324	3.17	-	19.5	4.3	35	23	152	-46	2.9	5	28	98	107	91	96	10	107	
4	RRF 190020	M	SP	33	192	9.27	52.1	1.19	352	-0.23	-0.34	10.5	5.3	16	-0	35	-21	14.9	-8	3	100	90	106	106	3	90	
5	RRF 190044	M	SP	40	192	8.53	38	1.19	325	3.02	0.52	20.3	8.2	40	37	148	-56	10.2	11	33	95	97	100	101	8	110	

EXPLANATION OF CATALOGUE ABBREVIATIONS

VERDUIDELIKING VAN KATALOGUS AFKORTINGS

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