

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MRS. D.R. RADEY

617 HWY 310

0

MANITOWOC

WI 54220



Kennel Number: 675142



Estimated Breeding Values (EBVs)

Litter size and conformation traits are influenced by many genes, with every gene making a small contribution to the expression of the trait. These traits are, however, also influenced by physiological and physical environmental factors, for example the age and sex of the animal, the feeding and management the animal received and year x season effects. It is therefore not possible to know what the animal's genetic potential for the trait is by merely using the measurement.

With BLUP (*Best Linear Unbiased Prediction*) methodology an animal's genetic potential is predicted by making use of the genetic parameters (heritabilities and genetic correlations) of the breed, pedigree information, as well as the measurements of the animal as deviation from the average of the animals that were measured with the animal. Adjustments are made for differences in sex, age, classifier, management and year x season effects to ensure that fair comparisons are made amongst the animals. These predictions are called **EBVs (Estimated Breeding Values)** which indicates the animal's genetic potential for the specific trait and predicts the type of progeny that the animal will breed.

Pedigree information determines the genetic level at which the animal enters the genetic evaluation, it links the information of all relatives together and it is used to determine the genetic ranking of the breed. For young animals that were not yet measured, mid-parent EBVs are estimated, which are the average of the EBVs of the sire and dam. These breeding values are still inaccurate and can change a lot when more information (measurements) is included in subsequent genetic evaluations.

Breeding values therefore enables a breeder to compare his/her animals genetically to one another, as well as to all other animals of the breed. This Report gives a summary of the genetic levels of the active males and females of the relevant breeder in comparison to that of the breed for linearly classified traits and litter size. The genetic change that occurred over time can also easily be seen.

Breeding Value Indices (EBVi)

For easy interpretation, EBVs are standardised and expressed relative to the average (100) of the active animals of the breed, using 12 as standard deviation (SD). This means that an EBV of 100 is equal to the active average of the breed, and more or less 50% of the animals will have EBVi's of between 90 and 110, which indicates an average animal. Only 0.5% of the EBVi's will be lower than 64 and 0.5% will be higher than 136. Higher EBVi's indicate better genetic potential for the trait.

Accuracy

EBVs are published with an **accuracy value (%)**, which indicates how much info was available for the estimation of the EBV and with how much trust it can therefore be applied. Factors that influence the accuracy include heritability, completeness and correctness of pedigree information, number of own and measured relatives and the size of the group in which the animal was measured. When an accuracy of 85% and more is reached, the EBV should not change significantly with the inclusion of more information in subsequent genetic evaluations.

Kennel and Breed Averages: The different traits' averages of the breeder's active animals are compared to those of the breed in the Kennel and Breed Average Graphs and Tables. The breeder can therefore easily see for which traits the animals are above or below the average of the breed.

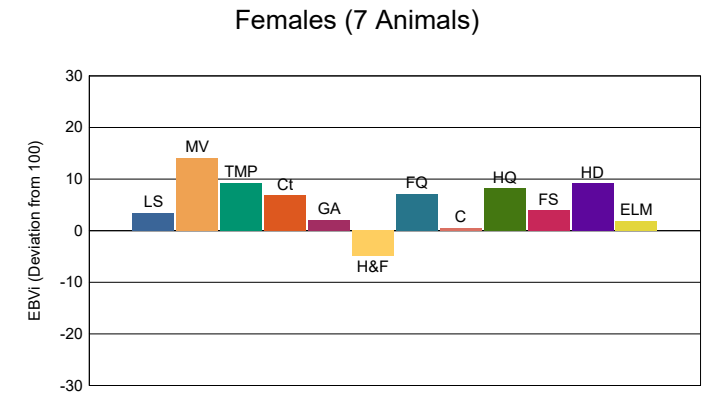
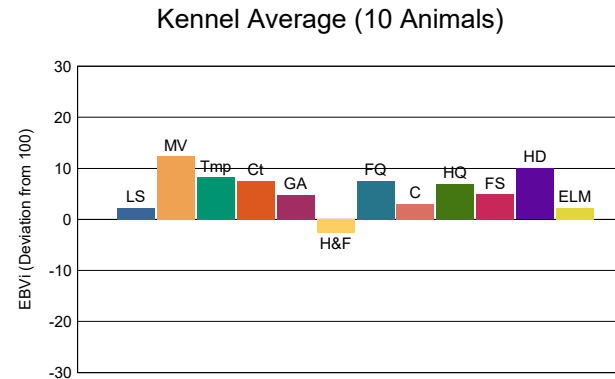
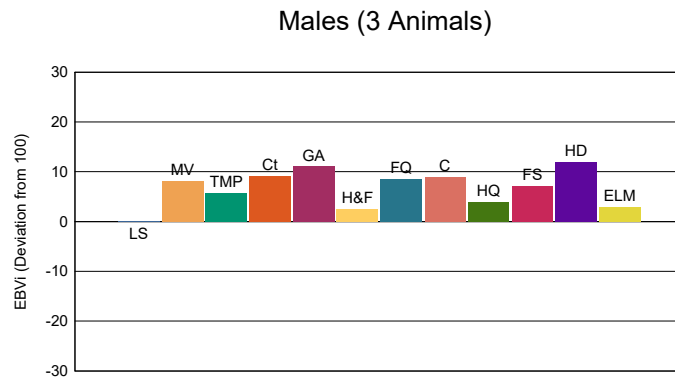
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

Inbreeding: Inbreeding is the mating of related animals and is widely viewed as being harmful. The danger of inbreeding lies there in that it can gradually decrease fertility and survivability – a phenomenon known as inbreeding depression. It can cause lower conception rates, more abortions, more stillborn and weak offspring and a higher susceptibility to diseases. Indications in dogs include a low litter size as well as problems relative to fertility, such as invisible heat, behavioural problems when mating and low sperm quality. Overall, reduced litter size most likely reflects inbreeding depression in several traits, both physiological and behavioural, as well as a high frequency of non-viable embryos due to lethal alleles. Generally, the effects of inbreeding can become noticeable at a value of 6.25%, therefore it is generally recommended that individuals should have inbreeding coefficients of less than 6.25%. Breeders should therefore avoid matings causing inbreeding of more than 6.25% in the progeny. The theoretical maximum inbreeding coefficient is 50%. However, it should be noted that not all inbred animals show signs of inbreeding depression.

The data used in this evaluation was obtained from LOGIX from linear classifications that were done by the Breeder Society. All possible attempts have been made to present the information correctly. SA Stud Book does not accept responsibility for the use and interpretation of the information presented on animals in this publication.

Genetic Levels

Kennel Average relative to Breed Average, where Breed Average is indicated as 0



Average Breeding Value Indices (EBVi) where Breed Average = 100

Trait	All Animals	Males	Females
Litter size (LS)	102	100	103
Movement (Mv)	112	108	114
Temperament (Tmp)	108	106	109
Coat (Ct)	108	109	107
General Appearance	105	111	102
Head & Face (H&F)	97	102	95
Front Quarter (FQ)	108	109	107
Centre (C)	103	109	101
Hind Quarter (HQ)	107	104	108
Final Score (FS)	105	107	104
Hip Health (HH)	110	112	109
Elbow Health (ELM)	102	103	102

Inbreeding

Notes

Inbreeding primarily leads to decreased fertility, low survivability of pups and low disease resistance.

Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

The adverse effects of inbreeding can be observed from 6.25% onwards.

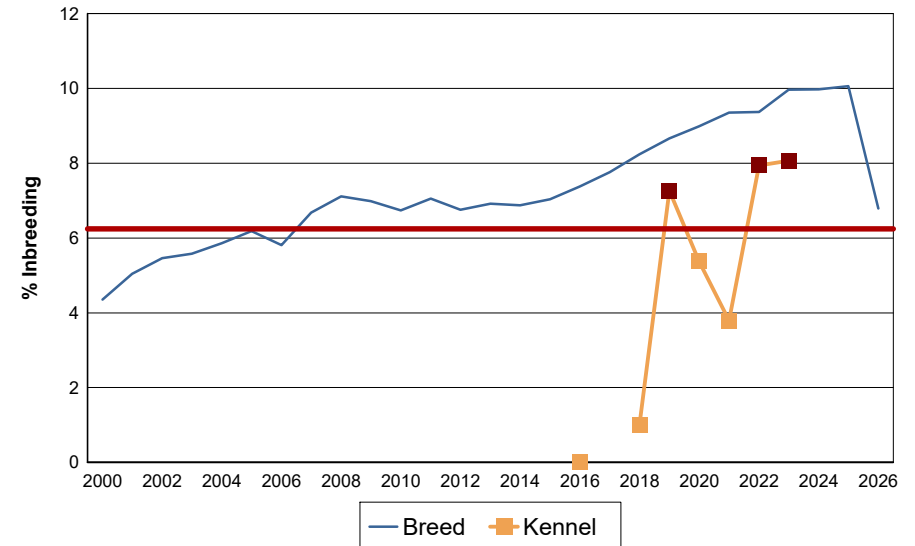
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients are therefore conservative indicators of the level of inbreeding.

Incomplete or incorrect pedigree information can be reported to SA Stud Book via the Breed Society.

Inbreeding Levels for Specific Matings

Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Rate of Inbreeding

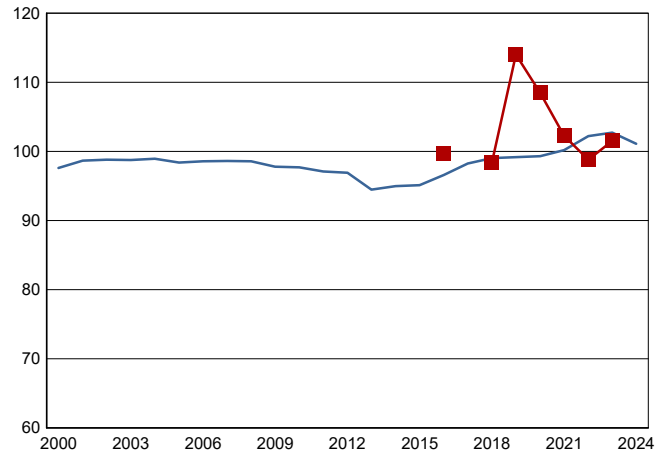


Inbreeding Levels

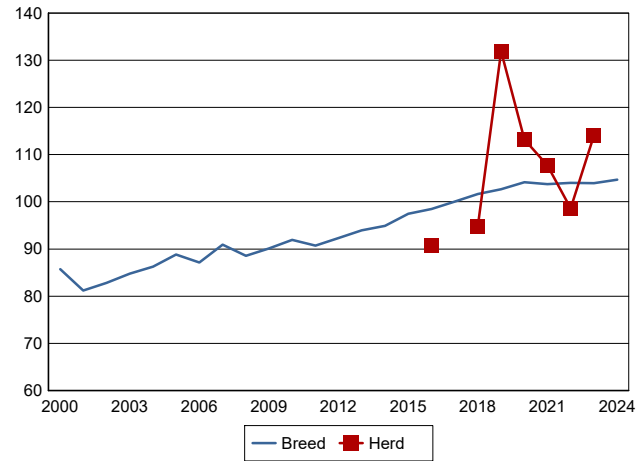
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	3	25141	7	23857	6	3371	5	6287
Average Inbreeding	5.27	8.49	7.71	8.46	4.23	8.53	7.56	8.01	4.28	8.00
Number inbred	10	48727	3	24990	7	23728	6	24990	4	23728
Number >6.25% Inbr.	5	30600	2	15537	3	15058	4	15537	2	15058

Genetic Trends

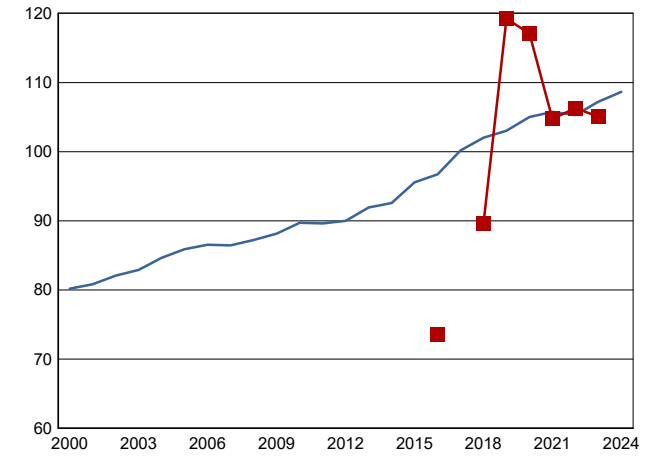
Litter Size



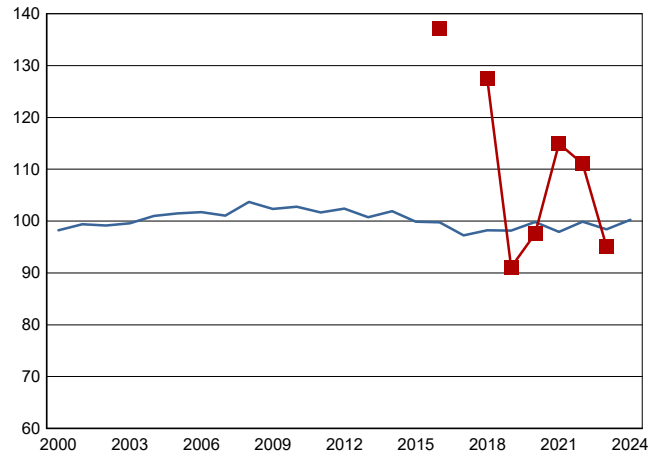
Movement



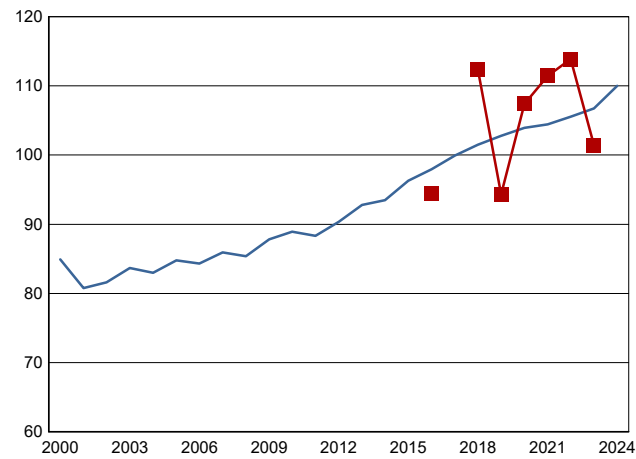
Temperament



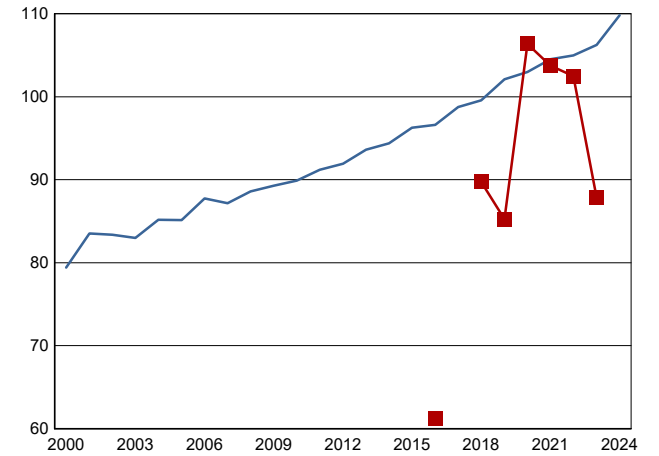
Coat



General Appearance

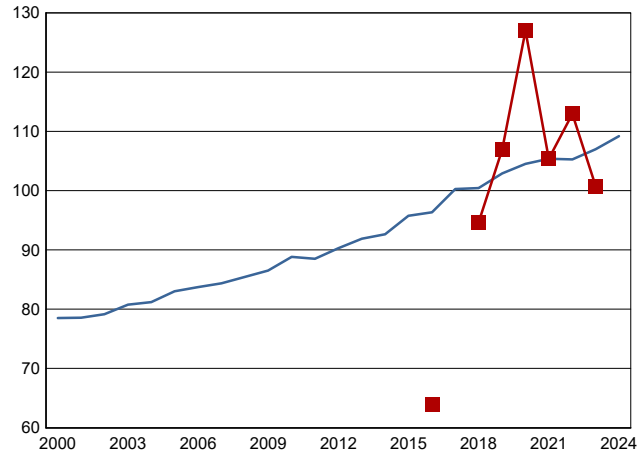


Head & Face

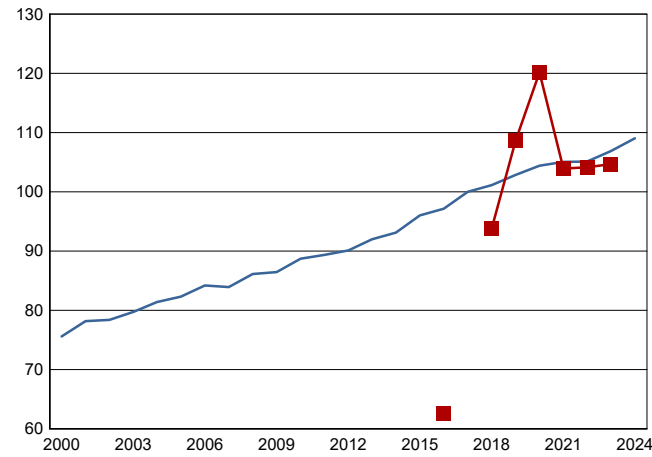


Genetic Trends

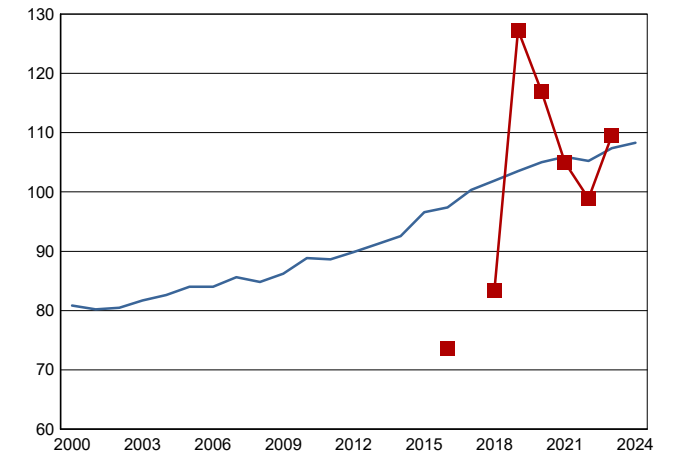
Front Quarter



Centre

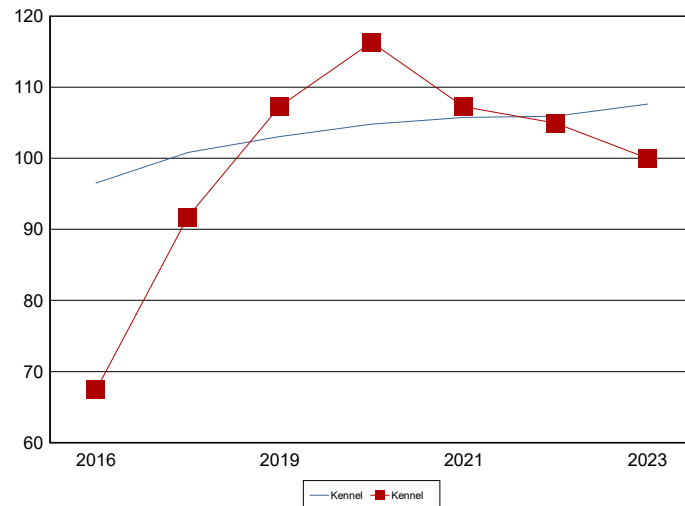


Hind Quarter

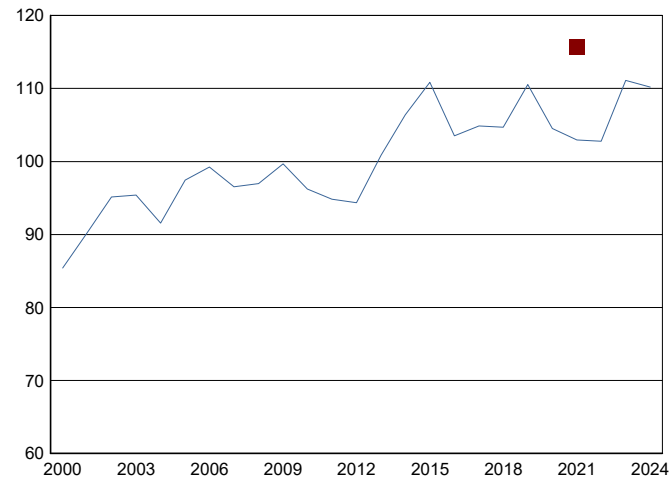


Final Score & Health Traits

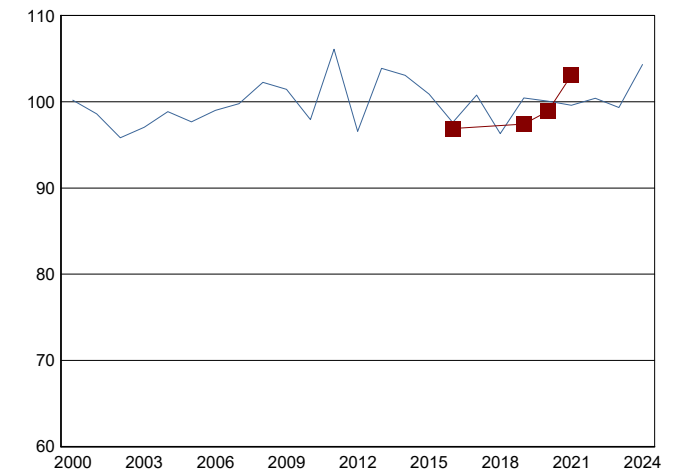
Final Score



Hip Health



Elbow Health



Estimated Breeding Value Indices (EBVi's)

Males

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move- ment	Tempe- rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels		Hips	Elbows	
MAEBOERBOEL EDWIN		MAEBOERBOEL GALTERO HERMOSO	2.19	109	104	101	123	104	113	103	94	95	102	108	103	2	2				
	2021	RED OAK HEMI MEA ROSE		5	5	5	40	15	57	39	56	41	43	46	51						
MAEBOERBOEL DU'MOR		BARBARIAN MOSES	11.77	115	98	101	94	120	107	123	126	139	115	95	118						
	2022	MAEBOERBOEL LYRA		5	5	5	36	5	55	36	54	37	40	43	49						
MAEBOERBOEL LIVE THE LIFE YOU LOVE		MAEBOERBOEL EDWIN	9.18	112	106	97	108	94	108	107	88	92	110	109	100						
	2023	MAEBOERBOEL VIXEN		5	5	5	31	5	53	30	52	32	35	39	46						

Estimated Breeding Value Indices (EBVi's)

Females

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
MAEBOERBOEL LYDIA	2019	KLEIN SANDFONTEIN JUDGE	2.02	115	97	105	96	97	122	107	85	105	93	91	93	1	1	1	1		
		MAEBOERBOEL DAMALI		14	26	27	41	25	50	41	50	42	43	44	47						
MAEBOERBOEL CONSTELLATION OF SVEDKA	2020	KLEIN SANDFONTEIN JUDGE	7.07	125	101	111	114	115	97	95	102	122	112	114	111						
		RED OAK HEMI MEA ROSE		5	16	20	48	24	63	48	62	49	51	53	58						
MAEBOERBOEL BRINLEY	2021	MAEBOERBOEL GALTERO HERMOSO	2.19	109	104	101	122	108	113	101	105	100	92	107	106						
		RED OAK HEMI MEA ROSE		5	5	5	39	14	56	38	55	40	42	45	50						
MAEBOERBOEL REIGN OF DARKNESS	2021	MAEBOERBOEL GALTERO HERMOSO	2.19	109	104	101	124	109	132	107	96	100	93	103	104						
		RED OAK HEMI MEA ROSE		5	5	5	39	15	57	39	56	40	43	45	51						
MAEBOERBOEL MILLY	2022	OUTLAW DRAX	2.20	105	95	95	108	101	122	116	98	101	109	110	108						
		MAEBOERBOEL DAMALI		5	14	5	43	17	60	42	59	44	46	49	54						
MAEBOERBOEL BELLE	2023	BOSTU ZAKISHU	6.97	100		106	120	117	84	93	95	110	103	119	106						
		MAEBOERBOEL THE BLONDE BOMBSHELL		5		5	42	11	58	42	57	43	45	48	52						
MAEBOERBOEL THE BLONDE BOMBSHELLS BEAUTY	2023	BOSTU ZAKISHU	6.97	100		106	117	118	78	96	86	112	103	113	100						
		MAEBOERBOEL THE BLONDE BOMBSHELL		5		5	44	14	60	44	59	45	47	50	55						

Estimated Breeding Value Indices (EBVi's)

Sires

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Sire Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips Elbows	with litters		
KLEIN SANDFONTEIN JUDGE		KLEIN SANDFONTEIN HUEY	7.01	132	96	117	101	121	107	119	108	147	123	109	118	290 35	65 48	9 11	33 9		
	2016	KLEIN SANDFONTEIN ASARA		41	54	52	77	56	87	76	86	77	79	81	84						
MAEBOERBOEL GALTERO HERMOSO		VOICE VELD ELOY	0.99	102	102		101	94	131	113	101	98	92	84	97	14 1	5 2				
		2018		MAEBOERBOEL DAMALI	5	28		46	24	63	45	62	47	49	52					57	
BARBARIAN MOSES		BLACK IRON GOTTI	10.16	115	101	94	89	123	76	122	129	136	116	98	117	16 2	5 5		1 1		
		2019		BARBARIAN SPARTA	5	5	26	40	10	55	40	54	41	43	45					50	
OUTLAW DRAX		BLACK IRON TUCKER	9.71	112	92	90	125	122	114	130	135	132	144	145	145	21 5	11 11	2 3	3 2		
		2019		BARBARIAN ATHENA	9	37	8	55	25	72	54	71	56	58	61					66	
BOSTU ZAKISHU		BOSTU ZAZU	15.31	87	112	97	116	117	89	105	94	110	100	108	102	37 4	14 7	2 3	3 1		
		2021		BOSTU ASHANTI	17	56	36	64	39	77	64	77	65	67	69					73	
MAEBOERBOEL EDWIN		MAEBOERBOEL GALTERO HERMOSO	2.19	109	104	101	123	104	113	103	94	95	102	108	103	2	2 1				
		2021		RED OAK HEMI MEA ROSE	5	5	5	40	15	57	39	56	41	43	46					51	

Estimated Breeding Value Indices (EBVi's)

Dams

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-r ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
MAEBOERBOEL DAMALI	0		0.00	98	97	100	91	74	137	94	61	64	63	74	67	6		4	1		3
	2016	SHOMBAY OGIO		5	5	5	40	18	57	39	56	41	43	45	51			2			1
RED OAK HEMI MEA ROSE		DELATRO UWE	7.46	117	107	105	140	121	90	95	91	103	105	125	108	9	1	7	1		1
	2018	FONT BOERBOELS MARELYN		5	5	20	51	24	67	50	66	52	54	57	62			3			1
MAEBOERBOEL LYRA		KLEIN SANDFONTEIN JUDGE	2.02	115	96	109	94	99	126	110	91	109	95	91	97	5		4	1	1	
	2019	MAEBOERBOEL DAMALI		14	27	23	44	27	55	44	55	45	46	48	51			4			
MAEBOERBOEL THE BLONDE BOMBSHELL		MAWEZA DISSELBOOM	9.90	113	99	114	126	118	72	90	85	105	105	123	102	2		2			
	2019	RED OAK HEMI MEA ROSE		5	5	5	46	18	60	46	59	47	49	51	56			1			
MAEBOERBOEL VIXEN		OUTLAW CREED	2.02	114	108	94	104	94	97	119	81	94	113	106	97	2		2			
	2021	MAEBOERBOEL IVAR THE BONELESS		5	25	5	45	20	62	45	61	46	49	51	57			1			

