

Boerboel Genetic Evaluation

SA Stud Book
February 2026

ME. C.J. COETZEE

81 MAKOU
WATERVAL
TARITON
1700



Kennel Number: 679795



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.

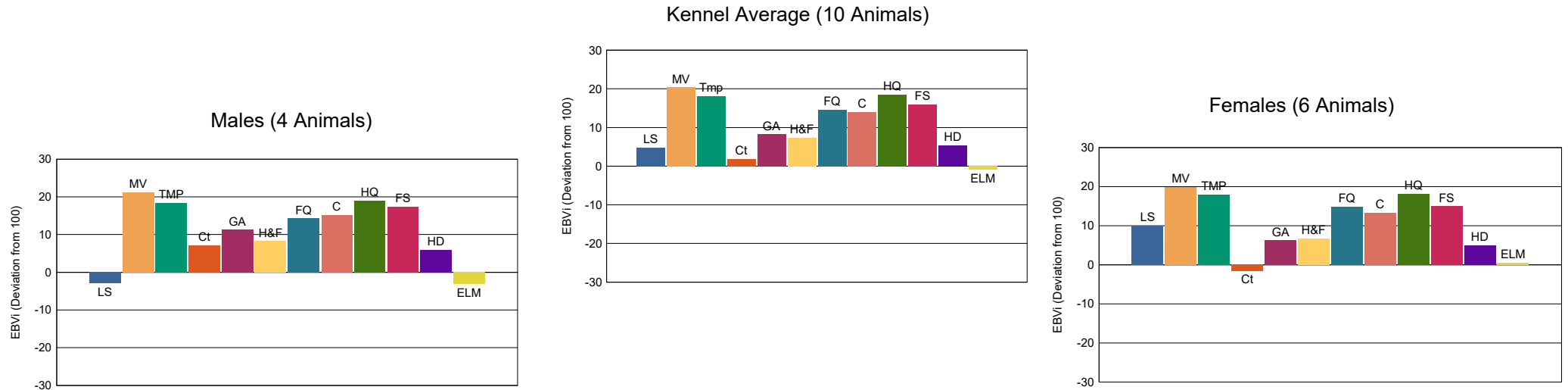
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	105	97	110
Movement (Mv)	120	121	120
Temperament (Tmp)	118	118	118
Coat (Ct)	102	107	98
General Appearance	108	111	106
Head & Face (H&F)	107	108	107
Front Quarter (FQ)	115	114	115
Centre (C)	114	115	113
Hind Quarter (HQ)	119	119	118
Final Score (FS)	116	117	115
Hip Health (HH)	105	106	105
Elbow Health (ELM)	99	97	101

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.

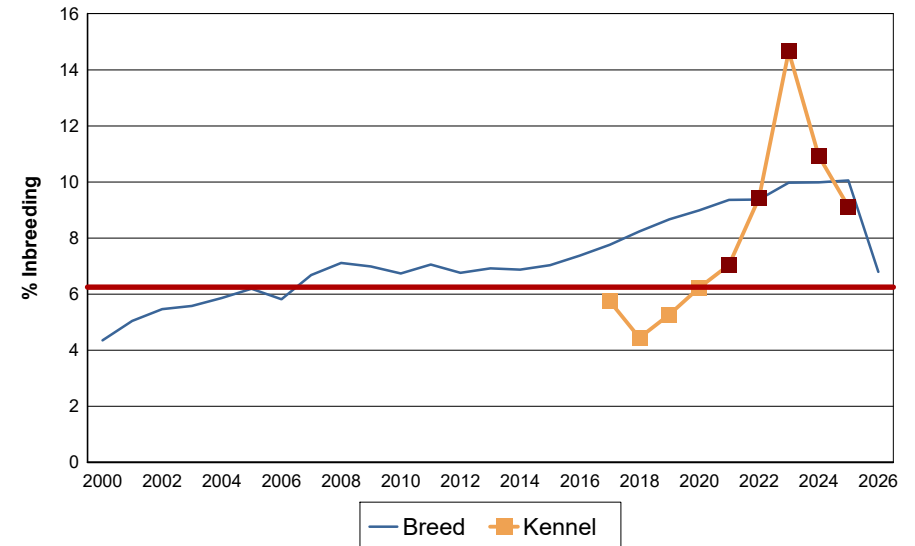
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

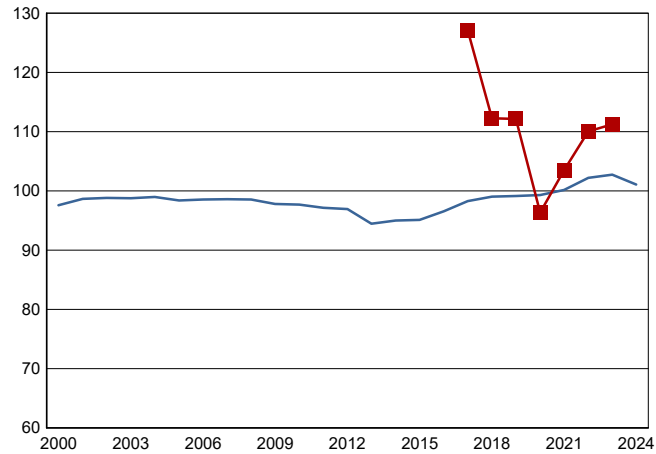


Inbreeding Levels

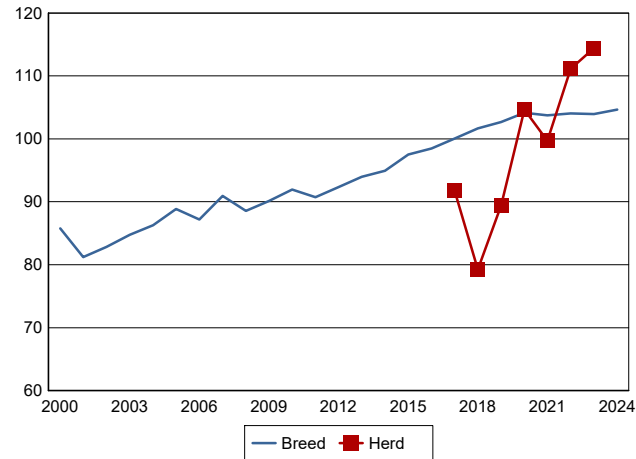
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	4	25141	6	23857	5	3371	4	6287
Average Inbreeding	10.78	8.49	9.94	8.46	11.33	8.53	9.84	8.01	16.45	8.00
Number inbred	10	48727	4	24990	6	23728	5	24990	4	23728
Number >6.25% Inbr.	10	30600	4	15537	6	15058	5	15537	4	15058

Genetic Trends

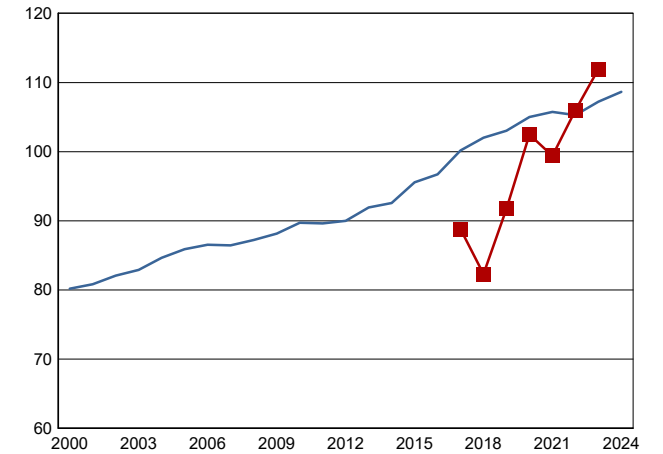
Litter Size



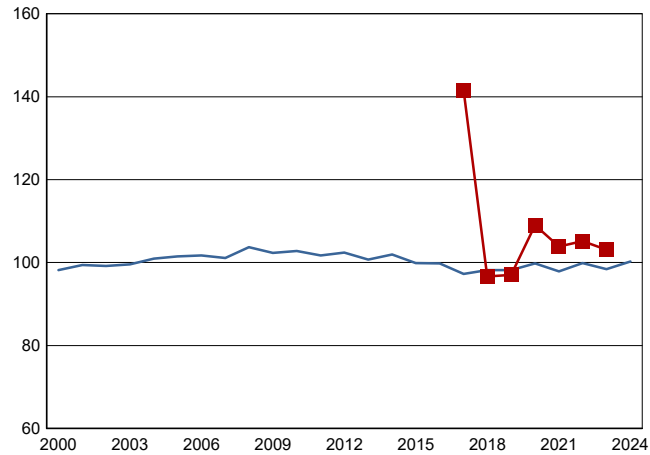
Movement



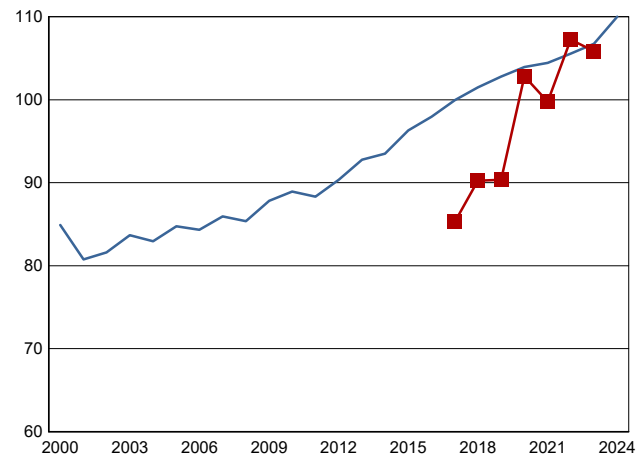
Temperament



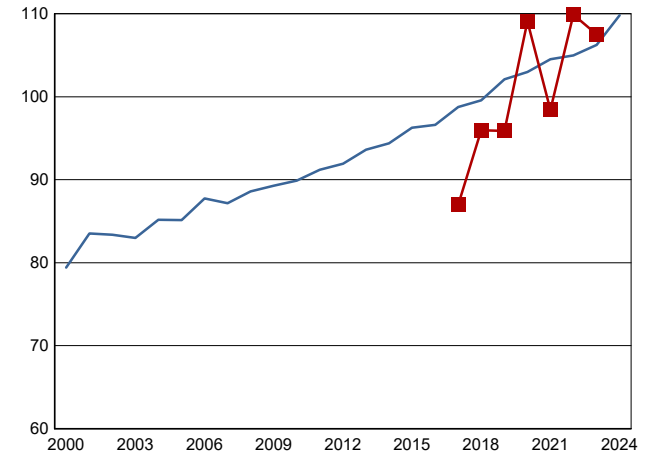
Coat



General Appearance

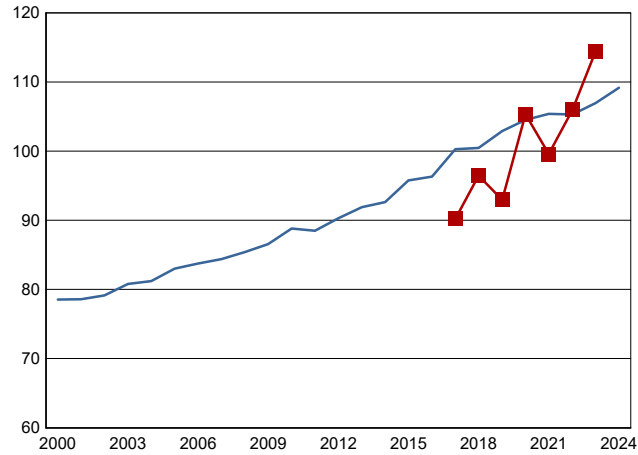


Head & Face

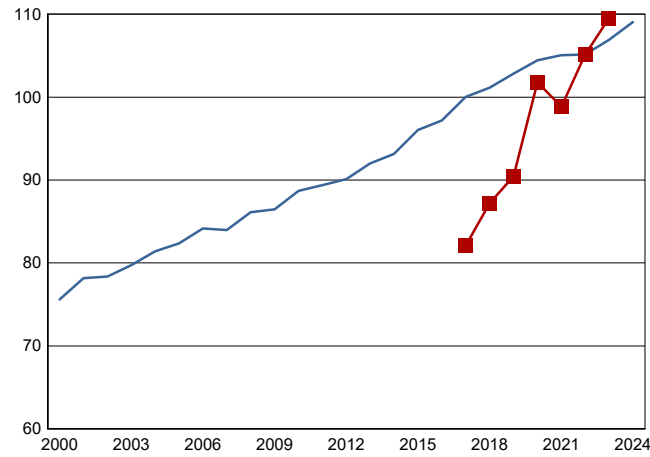


Genetic Trends

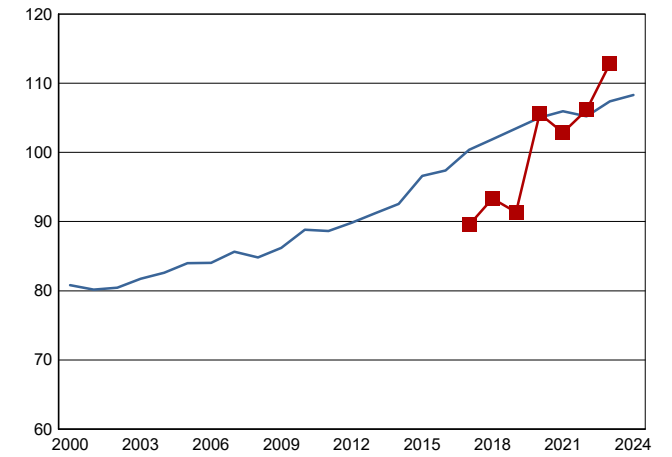
Front Quarter



Centre

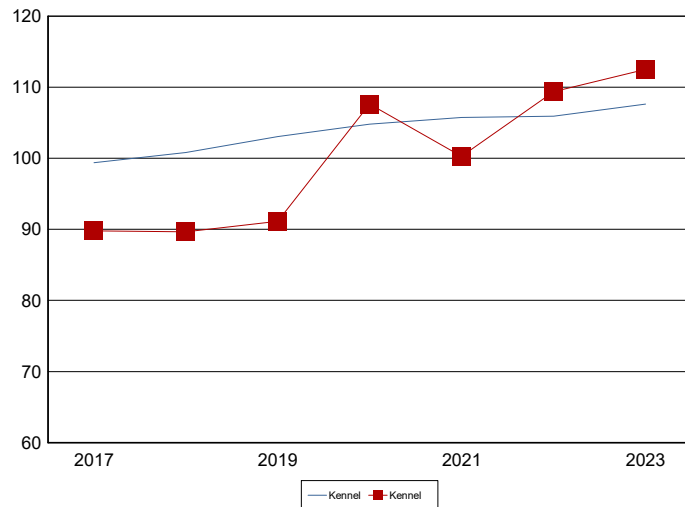


Hind Quarter

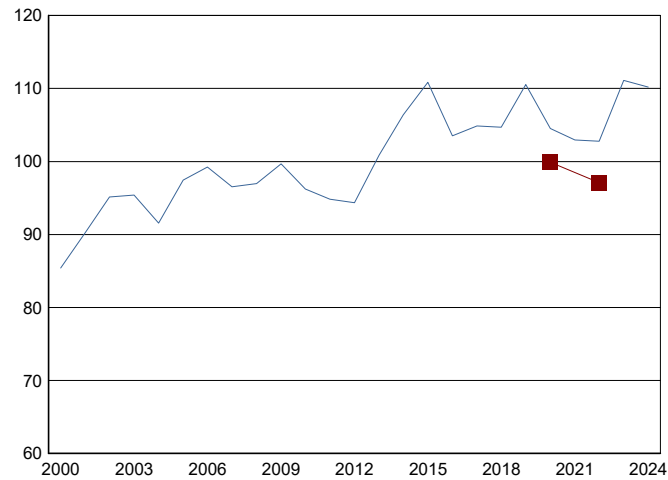


Final Score & Health Traits

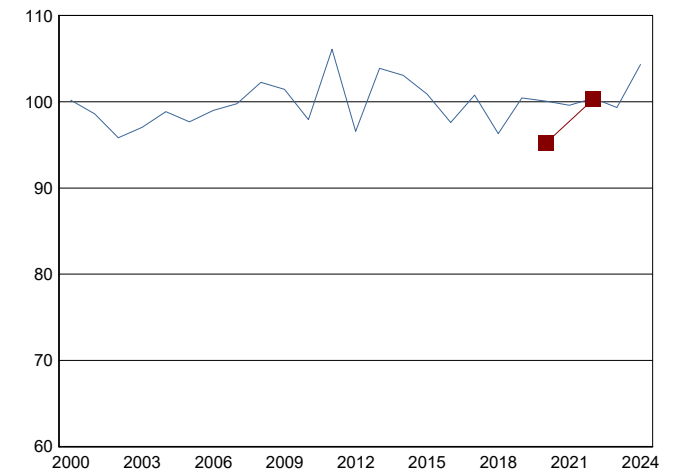
Final Score



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	
C AND H SIMBA		CDH TROMPIE	11.86	115	106	83	127	109	121	101	96	105	113	123	113						
	2023	WOEKER BBD MIA 3		5	5	9	45	10	63	45	61	46	48	51	56						
HERBERG GUNTER		AFRIKA GHUNTER	10.14	101	81	83	125	129	107	129	116	120	121	121	125						
	2025	WOEKER BBD MIA 3		5	5	22	44	19	54	43	53	44	46	48	51						
HERBERG 992003000577392		HERBERG BUSTER	8.89	104	101	111	116	118	100	108	111	116	113	116	116						
	2025	HERBERG KATRYN		5	5	5	24	5	41	25	40	25	28	31	36						
HERBERG 901001000541797		HERBERG BUSTER	8.89	104	101	111	116	118	100	108	111	116	113	116	116						
	2025	HERBERG KATRYN		5	5	5	24	5	41	25	40	25	28	31	36						

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.	Movement	Temperament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips	Elbows	Progeny with litters
HERBERG KATRYN	2023	CDH BOERSEUN CDH KATRYN	19.83	110 5	101 5	121 5	130 43	122 5	97 62	100 44	98 61	117 44	115 47	127 50	115 56	13	1			
HERBERG HESSIE	2024	HERBERG BUFFEL C AND H HESSIE	12.61	106 5	101 5	94 5	124 27	114 5	92 43	106 27	99 42	109 28	112 30	118 33	111 38					
HERBERG LARA	2025	HERBERG BUSTER HERBERG KATRYN	8.89	104 5	101 5	111 5	116 24	118 5	100 41	108 25	111 40	116 25	113 28	116 31	116 36					
HERBERG 992003000577398	2025	HERBERG BUSTER HERBERG KATRYN	8.89	104 5	101 5	111 5	116 24	118 5	100 41	108 25	111 40	116 25	113 28	116 31	116 36					
HERBERG 992003000577391	2025	HERBERG BUSTER HERBERG KATRYN	8.89	104 5	101 5	111 5	116 24	118 5	100 41	108 25	111 40	116 25	113 28	116 31	116 36					
HERBERG TIARA	2025	HERBERG BUSTER HERBERG KATRYN	8.89	104 5	101 5	111 5	116 24	118 5	100 41	108 25	111 40	116 25	113 28	116 31	116 36					

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 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	
AFRIKA GHUNTER		MES RUBENSTEIN	9.30	93	66	103	113	135	118	138	125	129	122	119	130	227 37	64 43	1 1		32 11
	2018	DORSLAND EMMA		19	33	49	79	57	88	79	88	79	81	83	86					
CDH TROMPIE		CDH KAROO	12.87	120	117	104	118	109	115	88	91	107	104	121	107	12 4	5 5	1 1		2 2
	2021	CDH BUCKKI		5	5	34	53	30	66	59	65	54	56	58	62					
CDH BOERSEUN		CDH KAROO	11.08	108	101	118	127	113	108	96	97	110	112	128	114	11 1	1 1			1 1
	2022	ALESSANDRO JANI		5	5	34	50	30	60	50	60	51	52	54	57					
HERBERG BUSTER		HERBERG HENNIE	6.81	97	100	101	102	114	103	116	123	115	111	106	117	16 2				
	2022	BOSTU CODY		5	5	13	47	18	64	45	63	47	50	53	58					
HERBERG BUFFEL		MES GUZMAN	9.14	97	96	105	117	113	104	112	116	118	115	114	118	8 1				
	2023	ALESSANDRO JANI		5	5	15	48	18	66	48	65	49	52	54	60					

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	
CDH KATRYN	2020	CDH FRIK	11.95	112	100	117	125	117	111	96	93	114	106	117	109	35	4	8			2
		CDH BARBIE		5	5	42	57	30	72	57	71	58	60	63	67			8			2
WOEKER BBD MIA 3	2021	WOEKER BBD WOEKER	22.17	110	95	62	138	122	96	119	107	110	121	124	120	13	3	2			1
		WOEKER BBD BELLA 5		5	5	35	54	20	70	54	69	55	57	60	65			2			1
C AND H HESSIE	2023	CDH TROMPIE	11.86	115	106	83	131	115	80	100	83	99	109	122	103	14	2				
		WOEKER BBD MIA 3		5	5	9	45	11	63	46	61	46	48	51	57						
HERBERG KATRYN	2023	CDH BOERSEUN	19.83	110	101	121	130	122	97	100	98	117	115	127	115	13	1				
		CDH KATRYN		5	5	5	43	5	62	44	61	44	47	50	56						

