

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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23 YELLOWWOOD STR
WILDWOOD
MITCHELL'S PLAIN
7785



Kennel Number: 649852



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.

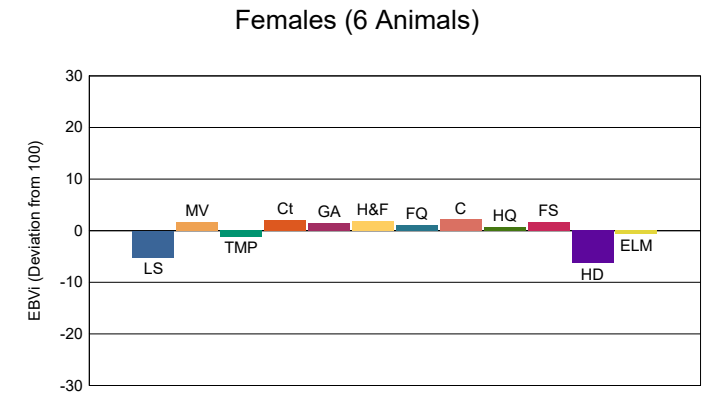
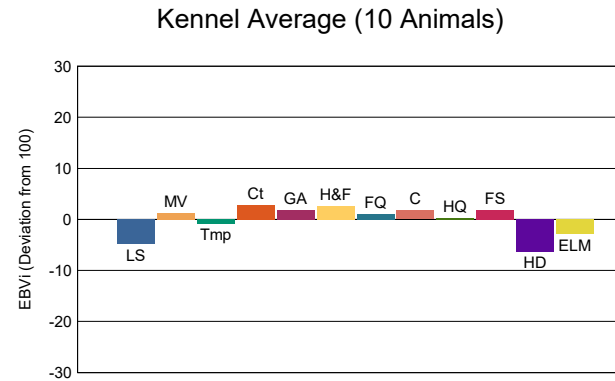
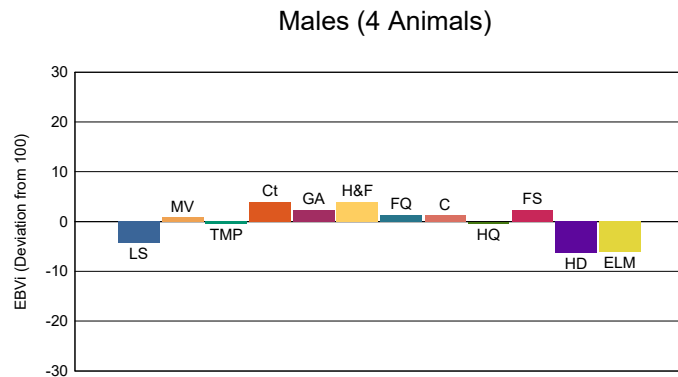
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	95	96	95
Movement (Mv)	101	101	102
Temperament (Tmp)	99	100	99
Coat (Ct)	103	104	102
General Appearance	102	102	102
Head & Face (H&F)	103	104	102
Front Quarter (FQ)	101	101	101
Centre (C)	102	101	102
Hind Quarter (HQ)	100	100	101
Final Score (FS)	102	102	102
Hip Health (HH)	94	94	94
Elbow Health (ELM)	97	94	99

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.

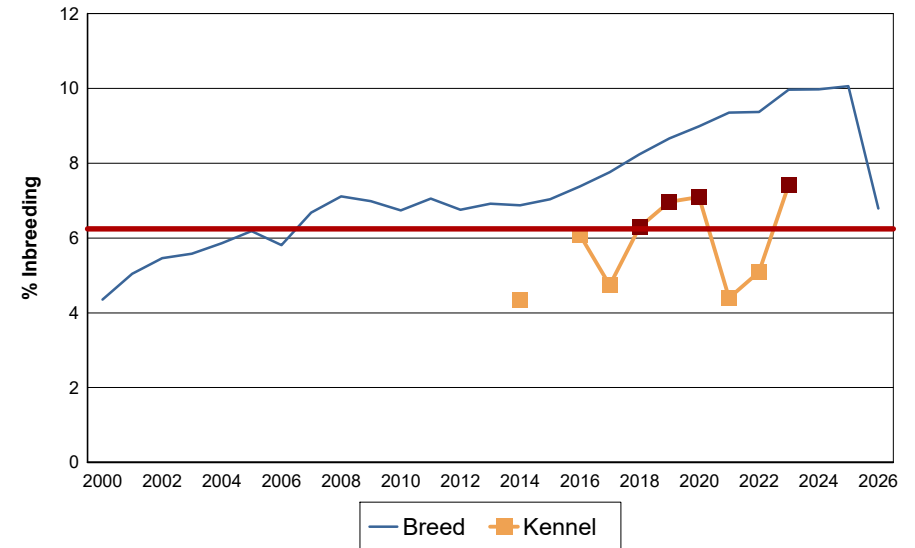
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

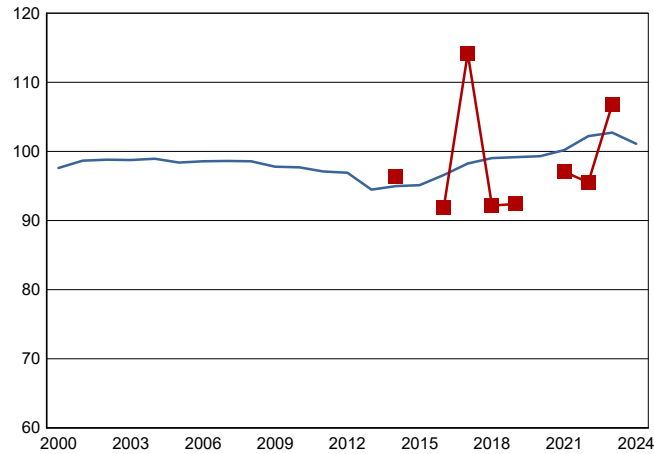


Inbreeding Levels

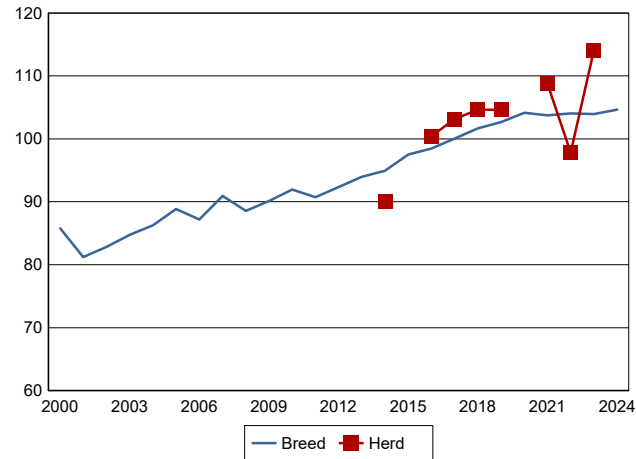
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	4	25141	6	23857	6	3371	5	6287
Average Inbreeding	5.60	8.49	5.84	8.46	5.44	8.53	7.89	8.01	8.03	8.00
Number inbred	10	48727	4	24990	6	23728	6	24990	5	23728
Number >6.25% Inbr.	2	30600	1	15537	1	15058	4	15537	4	15058

Genetic Trends

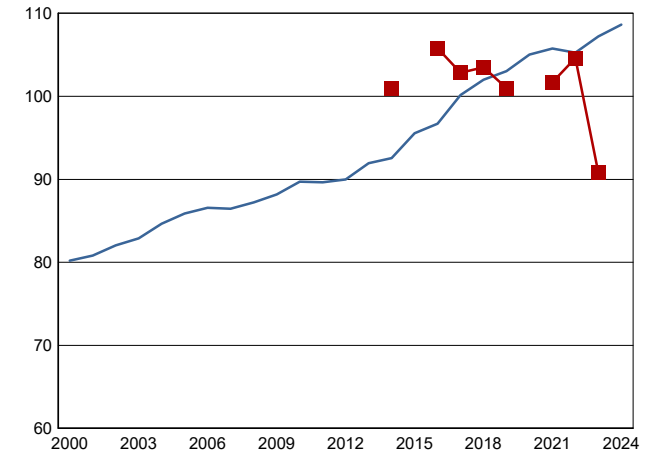
Litter Size



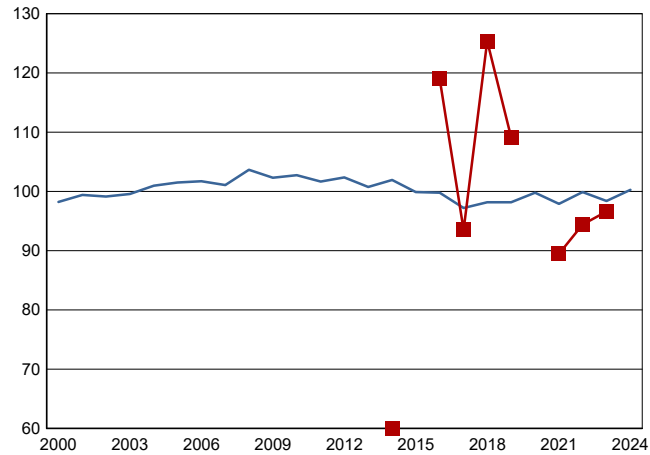
Movement



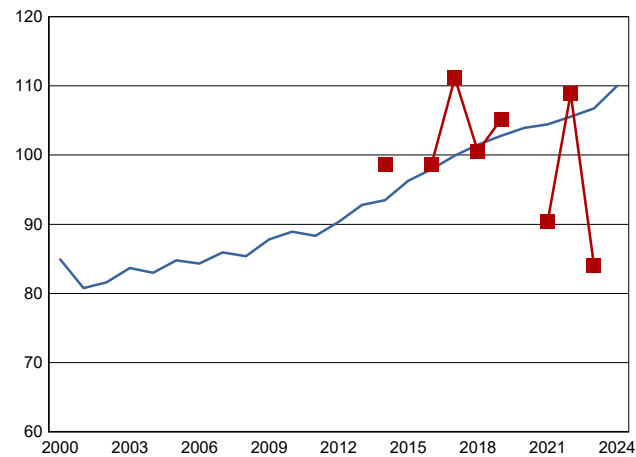
Temperament



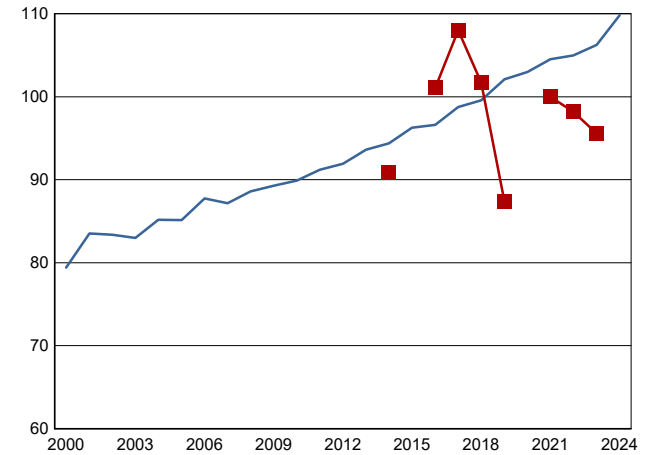
Coat



General Appearance

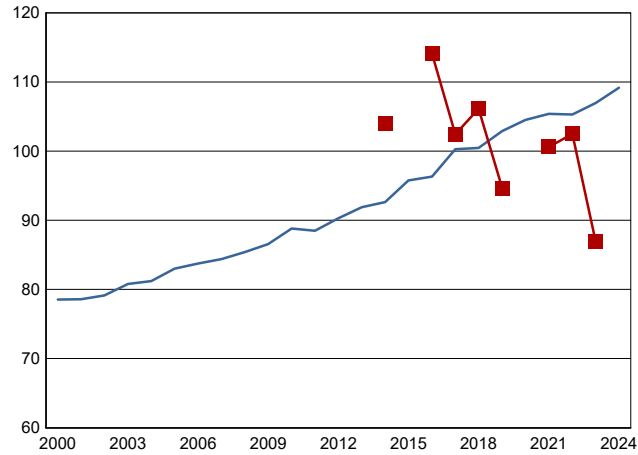


Head & Face

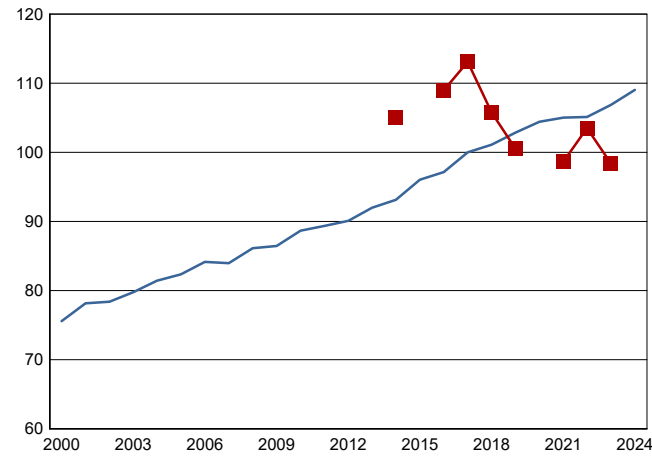


Genetic Trends

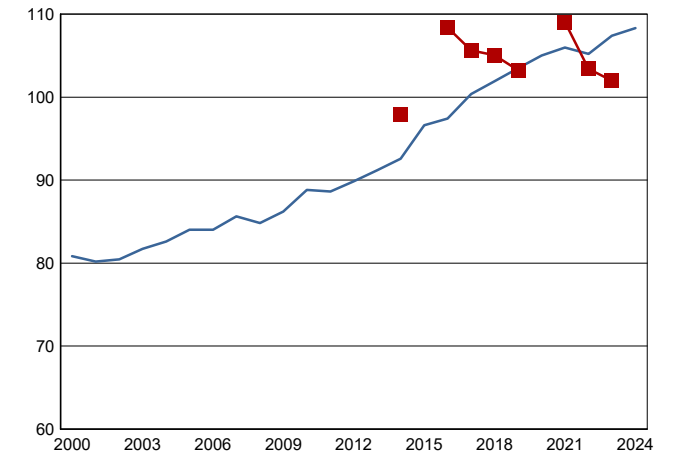
Front Quarter



Centre

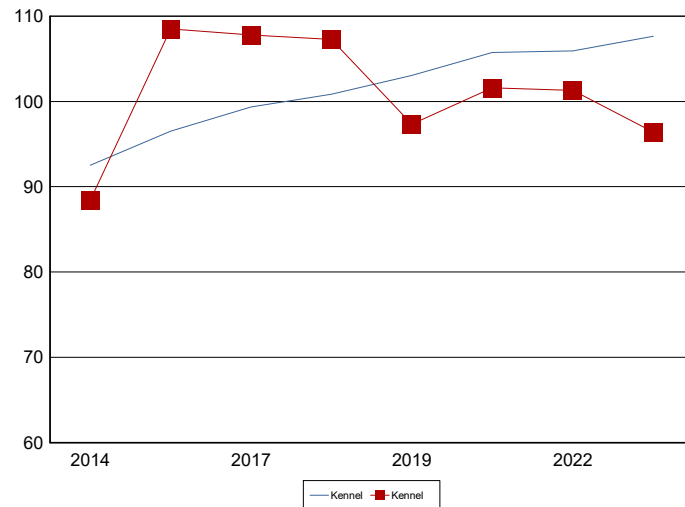


Hind Quarter

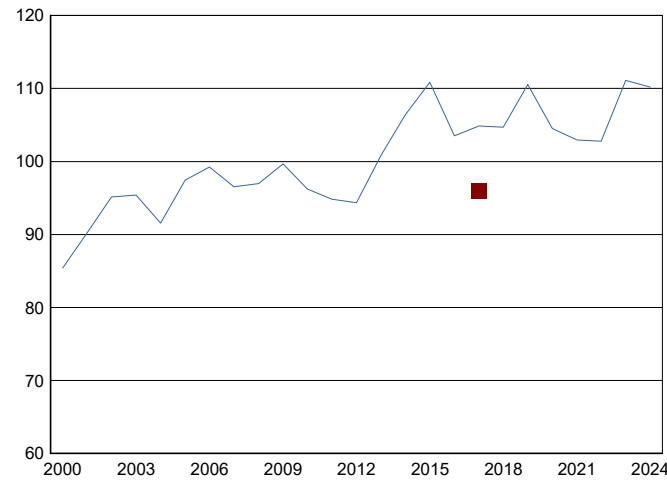


Final Score & Health Traits

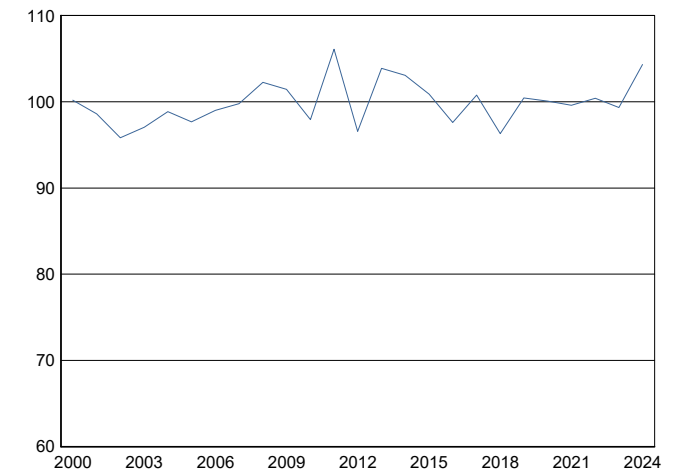
Final Score



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	
BUSBY JAPAN		KLOPDISSELBOOM KAPTEIN	5.86	99	94	90	90	91	112	104	110	99	97	88	100						
	2020	ROCKFORD RAVEN		5	5	5	32	5	46	31	45	32	35	37	41						
BUSBY GOLIATH		KLEIN SANDFONTEIN BARBUR	8.08	90	85	101	102	101	111	106	104	102	102	100	104						
	2020	BUSBY ZIA		5	5	5	19	5	32	18	31	20	22	24	28						
BUSBY NOAH		RAINAISANCE BULLY	4.30	92	98	96	113	102	102	97	103	103	104	107	105						
	2021	FONT BOERBOELS SHO MADJOZI		5	5	5	32	5	47	31	46	33	35	37	42						
BUSBY LUKE		PADIACHY JOHN-CENA	5.10	93	99	96	99	104	90	103	99	102	102	104	101						
	2022	FONT BOERBOELS DIVA		5	5	5	31	5	45	30	44	32	34	36	40						

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	Progeny with litters
BUSBY SUSHI	2020	KLOPDISSELBOOM KAPTEIN	5.86	99	94	90	90	91	112	104	110	99	97	88	100				
		ROCKFORD RAVEN		5	5	5	32	5	46	31	45	32	35	37	41				
BUSBY FAITH	2021	PADIACHY JOHN-CENA	5.39	89	97	90	94	98	107	112	101	109	110	101	104				
		FONT BOERBOELS SHO MADJOZI		5	5	5	44	5	64	44	62	45	48	51	57				
BUSBY HOPE	2021	WOEKER BBD BRANNA	4.56	94	104	91	108	99	107	97	98	98	98	101	100				
		FONT BOERBOELS SHO MADJOZI		5	5	5	32	5	47	32	46	33	35	38	42				
BUSBY GRACE	2021	RAINAISANCE BULLY	4.30	92	98	96	113	102	102	97	103	103	104	107	105				
		FONT BOERBOELS SHO MADJOZI		5	5	5	32	5	47	31	46	33	35	37	42				
BUSBY DIANA	2022	PADIACHY JOHN-CENA	5.10	93	99	96	99	104	90	103	99	102	102	104	101				
		FONT BOERBOELS DIVA		5	5	5	31	5	45	30	44	32	34	36	40				
BUSBY ZURI	2023	FONT BOERBOELS LOKI	7.42	95	105	107	107	99	94	97	101	97	103	105	101				
		BUSBY RUBY		5	5	5	30	5	45	29	45	31	34	36	41				

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	Progeny with litters	
KLEIN SANDFONTEIN BARBUR		BELLBUSK JEEP	6.27	84	79	110	99	100	111	105	118	107	103	97	109	8 2	1		2	
2012	SHAMROCK BBD ZENA	9	5	38	45	21	57	45	56	46	48	49	53	1						
KLOPDISSELBOOM KAPTEIN		MIDDELPOS BBD MAL JAN	4.70	104	90	94	77	86	115	108	122	101	96	78	101	12 4	3		2	
2015	BOSVLEI ALPHONS KOKKIE	5	5	29	57	31	72	57	71	58	60	63	67	3						
WOEKER BBD BRANNA		WOEKER BBD HANS	16.59	109	105	97	111	100	116	93	92	89	89	100	96	21 5	4		1	
2018	MIDDELPOS BBD FIELA 3	5	5	32	57	31	71	56	70	57	59	62	66	4						
RAINAISANCE BULLY		ATKINS X-FACTOR	7.02	106	92	107	122	108	106	93	101	101	101	111	107	9 2	1			
2019	RAINAISANCE SOFIA	5	5	28	56	30	71	55	70	57	59	61	66	1						
PADIACHY JOHN-CENA		ZUKANDI ZUKO	5.68	98	89	95	91	106	105	118	108	114	120	112	113	7 1	3		1	
2019	PADIACHY LEXI	5	5	7	52	25	69	51	68	53	55	58	63	3						
FONT BOERBOELS LOKI		BRIEL THE GHOST	7.10	90	102	113	95	98	103	114	108	103	118	101	108	5 1	1		1	
2022	FONT BOERBOELS QUEEN SHEBA	5	5	17	52	23	69	51	68	53	56	58	64	1						

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	
FONT BOERBOELS DIVA	2016	FONT BOERBOELS MOJO	7.79	89	109	96	107	102	76	88	90	90	84	96	88	11	1	5			3
		VOORSLAG BBD PETRA		5	5	29	45	15	60	45	59	46	48	50	55			5			1
ROCKFORD RAVEN	2017	VORENTOE TYSON	6.73	93	97	87	102	97	110	99	97	96	99	98	98	4	1				
		RAINAISANCE LEXI		5	5	5	46	13	65	45	63	47	50	53	58						
BUSBY ZIA	2019	BUSBY JOE	6.97	96	92		105	102	111	107	90	96	101	103	99	5	1				
		RAINAISANCE HONEY G		5	5		28	5	43	27	42	29	31	33	38						
FONT BOERBOELS SHO MADJOZI	2019	FONT BOERBOELS COLLIN	14.54	79	104	84	104	97	98	101	104	106	106	102	103	9	3	2			1
		FONT BOERBOELS VELVET		5	5	12	49	5	69	48	68	50	53	56	62			2			1
BUSBY RUBY	2021	MES JUDGE DREDD	4.11	100	108	101	119	100	85	79	93	90	87	108	95	4	1	1			1
		FONT BOERBOELS DIVA		5	5	21	49	22	67	49	66	50	53	55	61			1			1

