

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 A. BRUYNS

POSBUS 3452
RANDBURG
GAUTENG
2125



Kennel Number: 611158



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.

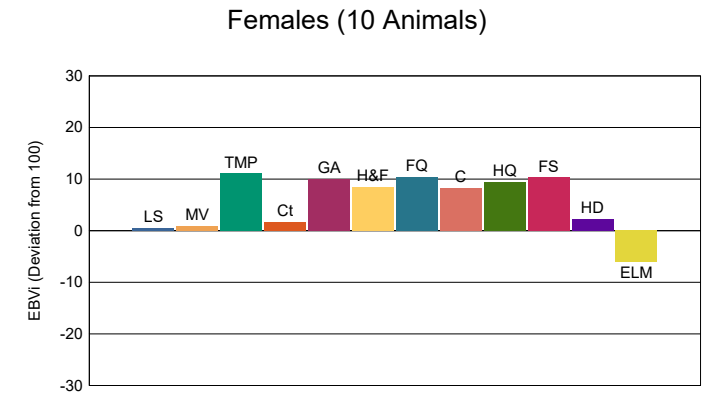
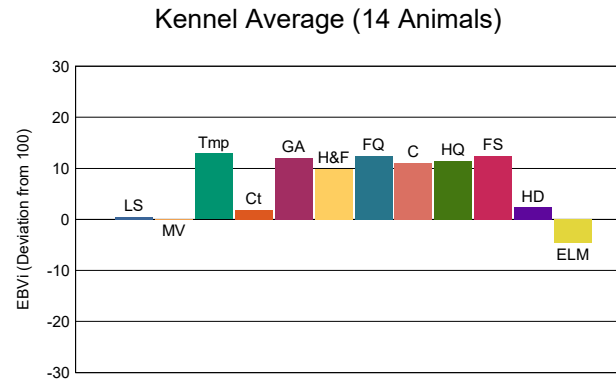
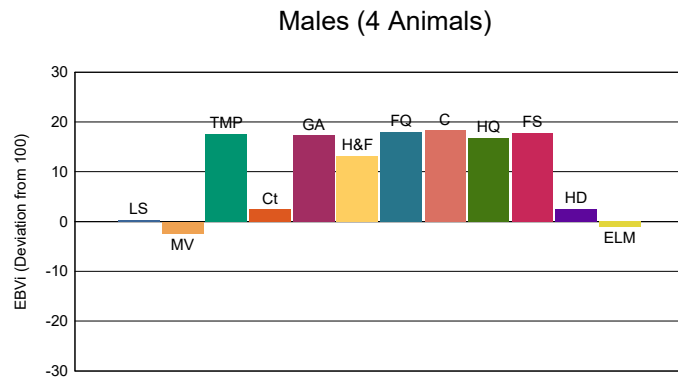
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	100	100	100
Movement (Mv)	100	98	101
Temperament (Tmp)	113	118	111
Coat (Ct)	102	102	102
General Appearance	112	117	110
Head & Face (H&F)	110	113	108
Front Quarter (FQ)	113	118	110
Centre (C)	111	118	108
Hind Quarter (HQ)	112	117	109
Final Score (FS)	112	118	110
Hip Health (HH)	102	102	102
Elbow Health (ELM)	95	99	94

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.

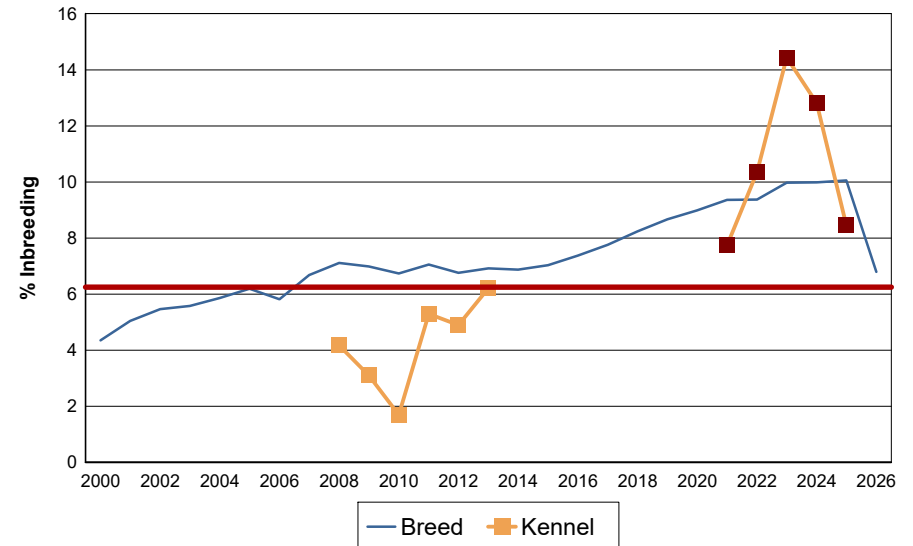
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

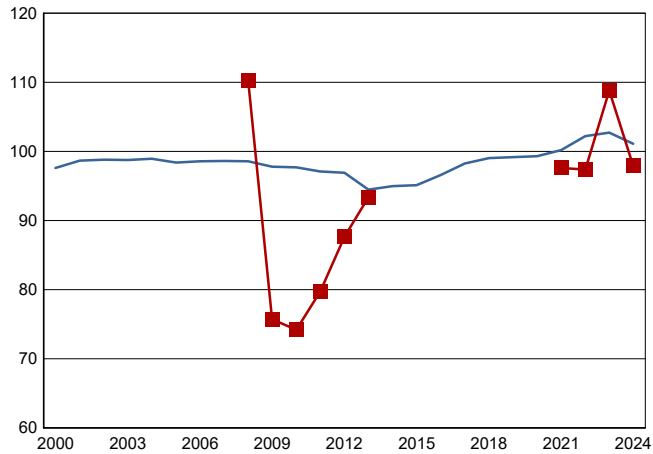


Inbreeding Levels

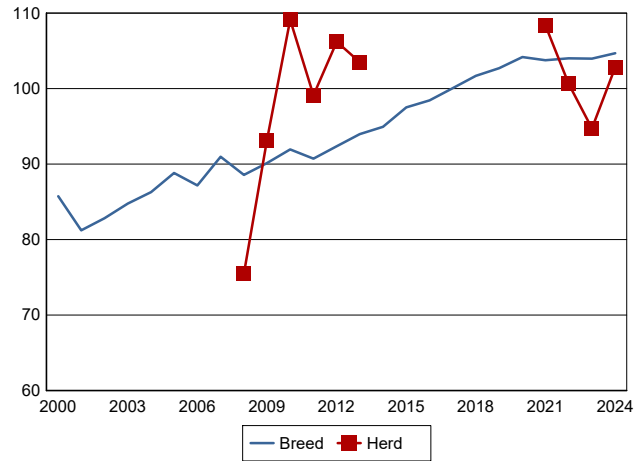
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	14	49007	4	25141	10	23857	9	3371	13	6287
Average Inbreeding	10.39	8.49	10.72	8.46	10.26	8.53	10.21	8.01	9.94	8.00
Number inbred	14	48727	4	24990	10	23728	9	24990	13	23728
Number >6.25% Inbr.	11	30600	4	15537	7	15058	6	15537	9	15058

Genetic Trends

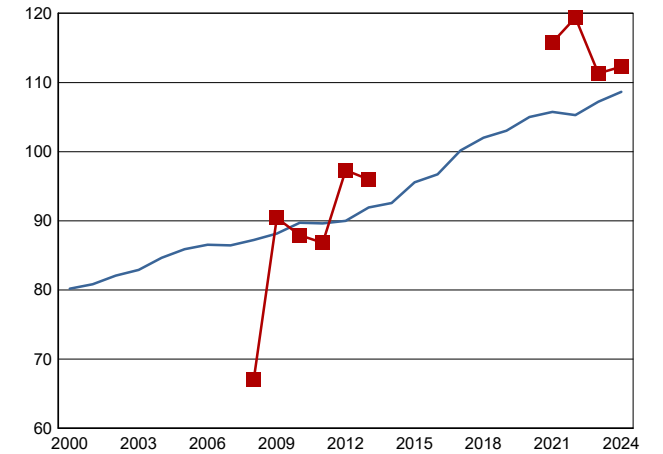
Litter Size



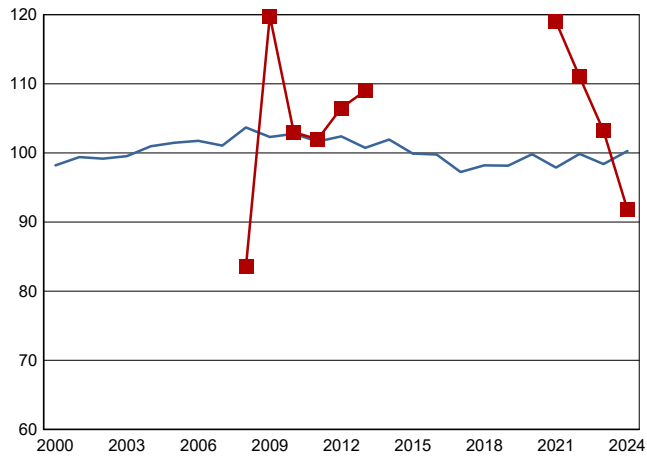
Movement



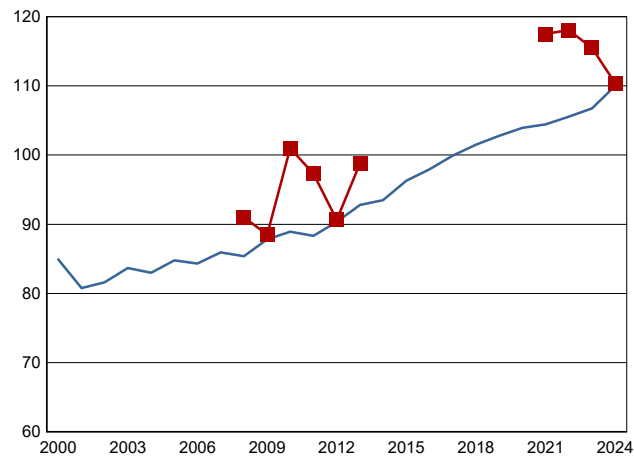
Temperament



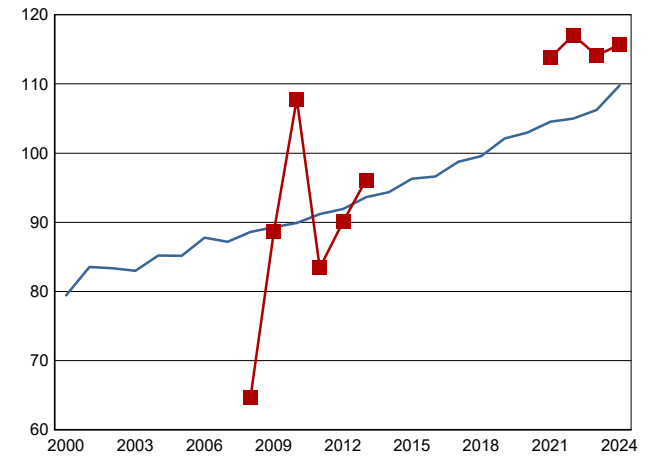
Coat



General Appearance

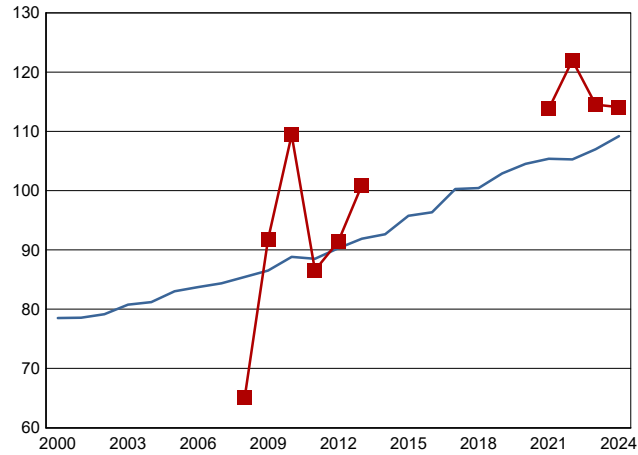


Head & Face

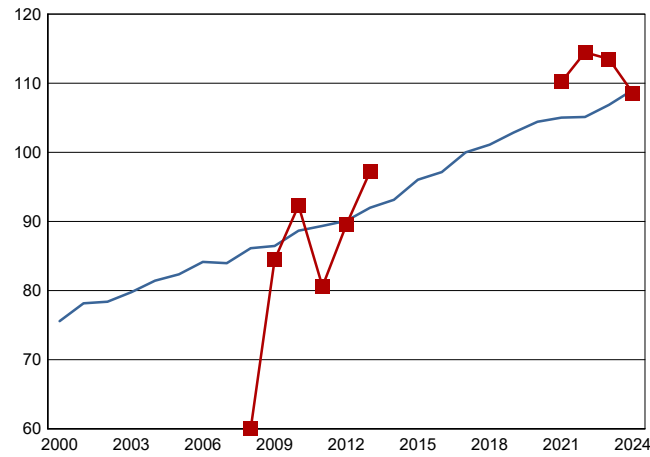


Genetic Trends

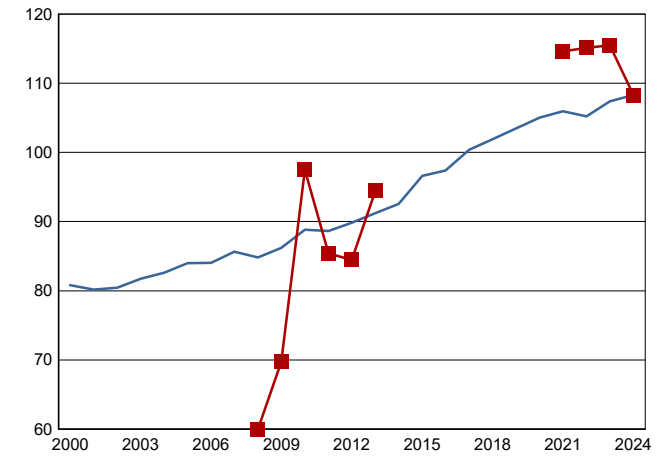
Front Quarter



Centre

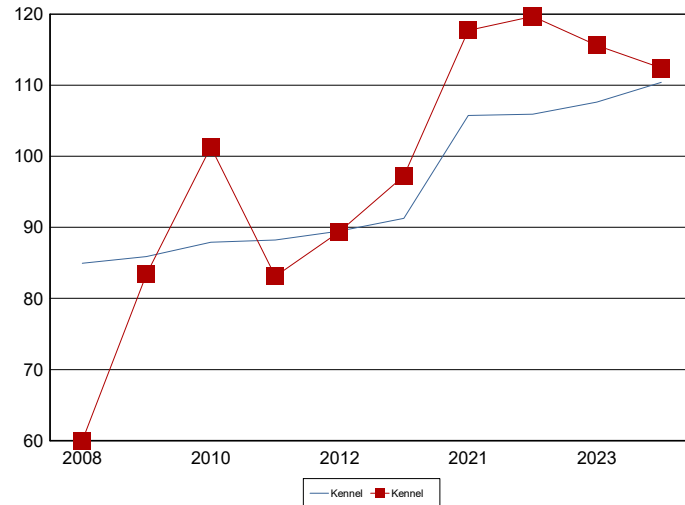


Hind Quarter

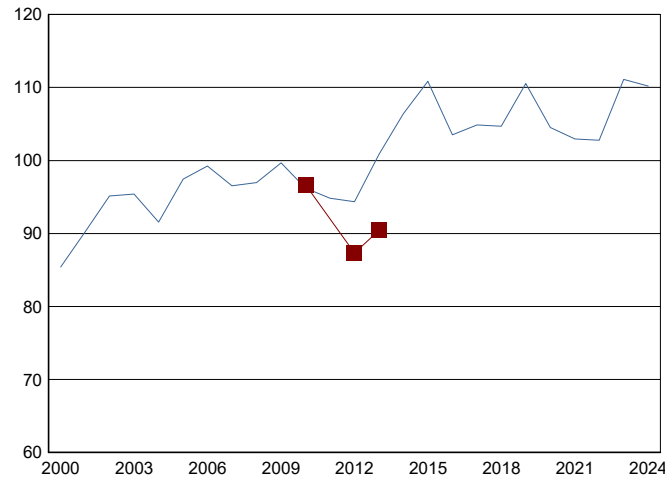


Final Score & Health Traits

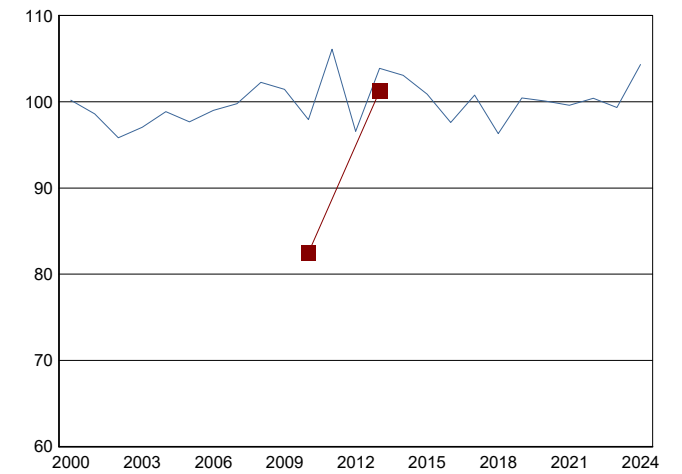
Final Score



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	
KADOS TROMPIE		TARGUS BOM BOEL	8.44	101	105	95	90	114	104	115	112	115	120	120	117	70	16	12			3
	2020	MES LULU V		5	5	40	66	43	78	64	78	66	68	70	74			7			2
PINNACLE BBD SLOET		KADOS TROMPIE	10.35	101	83	98	109	130	99	123	119	130	123	122	125						
	2022	AFRIKA KATRYN		5	5	28	49	24	65	48	64	50	52	55	59						
PINNACLE BBD INGWENYA		KADOS TROMPIE	14.44	111	116	109	95	111	103	116	114	115	114	116	116						
	2023	KLEIN SANDFONTEIN DINA		5	5	16	37	5	49	35	48	37	39	41	45						
PINNACLE BBD RAMSES		KADOS TROMPIE	9.63	97	92	100	97	115	104	117	108	112	116	110	113						
	2024	PINNACLE BBD GERTY		5	5	6	33	5	44	32	43	34	35	37	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	
AFRIKA KATRYN	2017	MES RUBENSTEIN	5.48	101	60	100	113	116	114	113	111	116	99	105	112	4	2	4 2			2
		AFRIKA SURAIJA		25	32	56	61	42	74	60	73	62	64	65	69						1
HERBERG SHADOW	2020	DEO-HAN BOTHA I	3.98	100	100	92	115	103	105	100	102	108	109	108	107						
		MES THUMBALINA		5	5	20	36	9	47	36	46	37	38	40	44						
PINNACLE BBD GERTY	2021	AFRIKA GHUNTER	5.12	94	79	105	103	117	104	119	104	110	112	100	108	8	1				
		COMPANION PRINSES LEIA		5	5	27	41	18	52	41	51	42	43	45	48						
BOSTU CARRY ANN	2021	ELEVATION COOPER	8.85	97	87	71	99	122	80	115	107	107	113	112	110	2	2				
		TARGUS ELDORADO MARY POPPINS		5	11	49	47	29	56	47	55	48	49	51	53						
KLEIN SANDFONTEIN DINA	2021	KLEIN SANDFONTEIN NUTCRACKER	11.50	121	128	123	99	109	103	116	116	114	107	111	114	2	1	1 1			
		MES PERFECT		5	14	42	54	31	69	54	68	55	57	59	64						
MIGHTY BETS	2021	MES MAXIMILLION	20.21	109	104	105	103	99	104	81	100	102	98	112	103	3	1				
		KADOS MIA		5	5	27	51	19	67	50	66	51	54	56	61						
EL ROI MAGRIET	2022	KADOS TROMPIE	9.50	104	108	95	87	104	100	109	103	104	106	112	106	3	1				
		EL ROI AVA		5	5	25	50	22	67	49	65	51	53	55	61						
PINNACLE BBD MILA	2022	KADOS TROMPIE	10.35	101	83	102	94	112	112	110	117	118	108	111	115	14	2	1 1			
		AFRIKA KATRYN		5	5	32	50	25	66	49	65	51	53	55	60						
BOSTU ANNETTE	2023	BOSTU LUKE	9.16	99	95	130	102	110	104	123	115	113	115	107	115						
		BOSTU CAI		5	24	20	50	22	67	50	66	51	54	56	62						
PINNACLE BBD TINK TINKIE	2024	KADOS TROMPIE	18.48	99	96	83	94	118	92		109	111	117	116	114						
		BOSTU CARRY ANN		5	5	18	35	5	45		45	35	37	39	42						

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	
ELEVATION COOPER		GROENBERG BBD RAMBO	4.48	112	60	98	111	134	95	126	121	125	124	125	127	127	21	52	10	10	37
	2015	HAZENJACHT BBD FIELLA		56	68	70	81	64	89	81	89	82	83	84	87		39			7	
TARGUS BOM BOEL		CABARET SON OF A GUN	24.74	81	114	66	90	114	79	112	94	103	116	107	102	86	14	38	3	3	28
	2016	CRIHATA LILLIE		5	5	57	78	57	88	78	87	79	80	82	85		28			8	
MES RUBENSTEIN		GROENBERG BBD RAMBO	4.08	111	59	133	122	134	109	99	101	114	104	128	116	314	52	101	21	20	83
	2016	MES LIZE		58	67	73	86	71	92	86	92	87	88	89	90		83			11	
KLEIN SANDFONTEIN NUTCRACKER ZUKANDI BEAU			6.19	124	151	124	116	124	91	136	135	128	131	125	133	119	18	28	2	2	24
	2017	LOTTER SANA		34	52	55	74	51	85	73	84	75	76	78	82		25			6	
MES MAXIMILLION		MES ARNOLD 1	11.46	116	102	116	104	105	118	94	109	115	103	115	112	22	3	6			4
	2018	MES MAXI		5	25	48	66	48	77	66	76	66	68	70	73		4			1	
DEO-HAN BOTHA I		DEO-HAN BOTHA	14.33	119	99	111	130	107	116	97	103	111	111	121	115	14	3	5			1
	2018	DEO-HAN ZIGGIE		5	5	22	52	25	63	51	63	53	54	56	60		4			1	
AFRIKA GHUNTER		MES RUBENSTEIN	9.30	93	66	103	113	135	118	138	125	129	122	119	130	227	37	64	1	1	32
	2018	DORSLAND EMMA		19	33	49	79	57	88	79	88	79	81	83	86		43			11	
KADOS TROMPIE		TARGUS BOM BOEL	8.44	101	105	95	90	114	104	115	112	115	120	120	117	70	16	12			3
	2020	MES LULU V		5	5	40	66	43	78	64	78	66	68	70	74		7			2	
BOSTU LUKE		BOSTU DADDY COOL	8.89	93	85	132	106	112	107	123	102	96	113	115	110	47	9	10	1	1	2
	2020	MES LULU V		36	54	38	65	42	78	64	77	66	68	70	74		6			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		Sire Dam	%	Hips	Elbows	Litter Size	Move- ment	Tempe- r ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
	BYr			Acc.	Acc.	Acc.															
AFRIKA SURAIJA	2013	PINNACLE BBD HAVOC	2.99	91	62	72	110	91	98	109	112	109	89	84	99	22	7	5	1	1	6
		AFRIKA JENNA		38	44	72	66	46	78	66	77	67	69	71	74			5			
TARGUS ELDORADO MARY POPPINS	2015	CABARET SON OF A GUN	24.74	81	114	73	86	110	64	104	92	90	102	99	92	15	3	3			2
		CRIHATA LILLIE		5	5	53	62	40	74	62	73	63	64	66	70			3			
MES THUMBALINA	2016	MES ASKAM	10.11	80	101	73	101	99	94	102	101	105	107	95	100	15	1	5			3
		MES MARLOTTE		5	14	50	59	39	73	59	72	60	62	64	68			5			
COMPANION PRINSES LEIA	2016	SA SUPERIOR RAMBO	5.79	96	93	104	92	99	90	99	83	90	102	82	86	3	2				1
		WJ BRANDY		5	5	6	43	5	62	42	61	44	47	50	56						
AFRIKA KATRYN	2017	MES RUBENSTEIN	5.48	101	60	100	113	116	114	113	111	116	99	105	112	4	2	4			2
		AFRIKA SURAIJA		25	32	56	61	42	74	60	73	62	64	65	69			2			
MES LULU V	2018	MES ARNOLD 1	11.46	120	96	132	97	100	118	96	106	107	101	113	108	22	3	12	3	3	7
		MES MAXI		22	39	61	71	52	81	70	80	72	73	75	78			11			
MES PERFECT	2018	MES ARNOLD 1	11.46		105	132	97	104	109	104	105	109	92	104	104	43	4	13			12
		MES MAXI			27	63	67	49	78	67	77	68	69	71	74			10			
KADOS MIA	2020	TARGUS BOM BOEL	8.44	102	105	95	94	107	90	100	98	102	105	109	102	29	3	10			4
		MES LULU V		5	5	42	64	42	77	64	77	65	67	69	73			9			
EL ROI AVA	2020	MES MASCOT	12.82	107	110	110	91	100	87	97	103	101	94	106	99	15	2	4			1
		MES VICTORIA KNOX		5	5	40	59	34	74	59	73	60	62	65	69			2			
BOSTU CAI	2020	KLEIN SANDFONTEIN BROC	10.39	104	105	128	106	104	101	110	114	119	109	104	111	23	3	9			1
		ELEVATION TALITA		32	53	47	60	32	76	59	75	61	63	66	71			7			
PINNACLE BBD GERTY	2021	AFRIKA GHUNTER	5.12	94	79	105	103	117	104	119	104	110	112	100	108	8	1				
		COMPANION PRINSES LEIA		5	5	27	41	18	52	41	51	42	43	45	48						
BOSTU CARRY ANN	2021	ELEVATION COOPER	8.85	97	87	71	99	122	80	115	107	107	113	112	110	2	2				
		TARGUS ELDORADO MARY POPPINS		5	11	49	47	29	56	47	55	48	49	51	53						

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KLEIN SANDFONTEIN DINA		KLEIN SANDFONTEIN NUTCRACKER	11.50	121	128	123	99	109	103	116	116	114	107	111	114	2	1	1			
	2021	MES PERFECT		5	14	42	54	31	69	54	68	55	57	59	64			1			

