

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR R. KAEMBA

P.O. BOX 70133

0

NDOLA

ZAMBIA



Kennel Number: 670437



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.

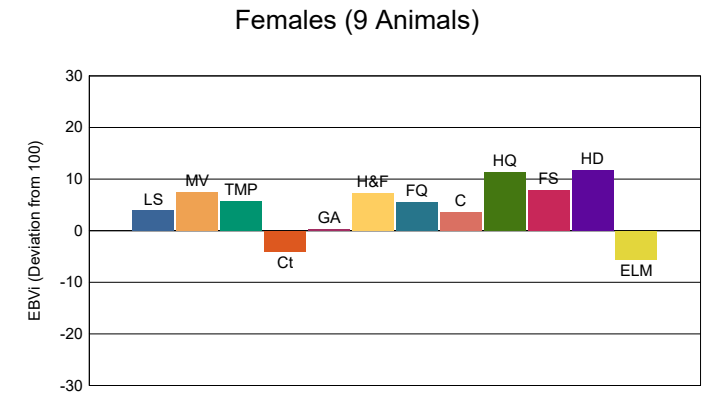
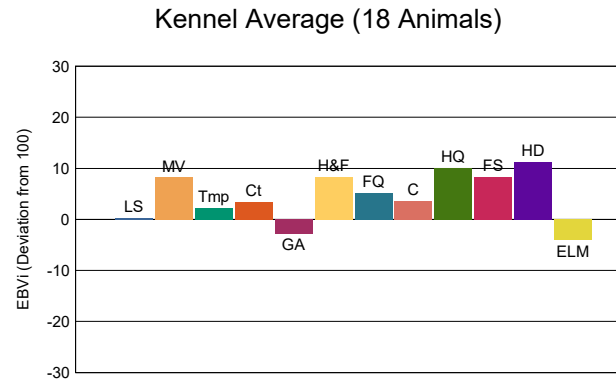
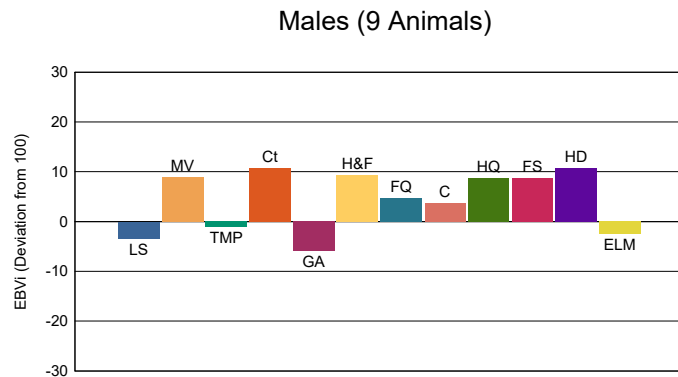
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	97	104
Movement (Mv)	108	109	107
Temperament (Tmp)	102	99	106
Coat (Ct)	103	111	96
General Appearance	97	94	100
Head & Face (H&F)	108	109	107
Front Quarter (FQ)	105	105	106
Centre (C)	104	104	104
Hind Quarter (HQ)	110	109	111
Final Score (FS)	108	109	108
Hip Health (HH)	111	111	112
Elbow Health (ELM)	96	97	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.

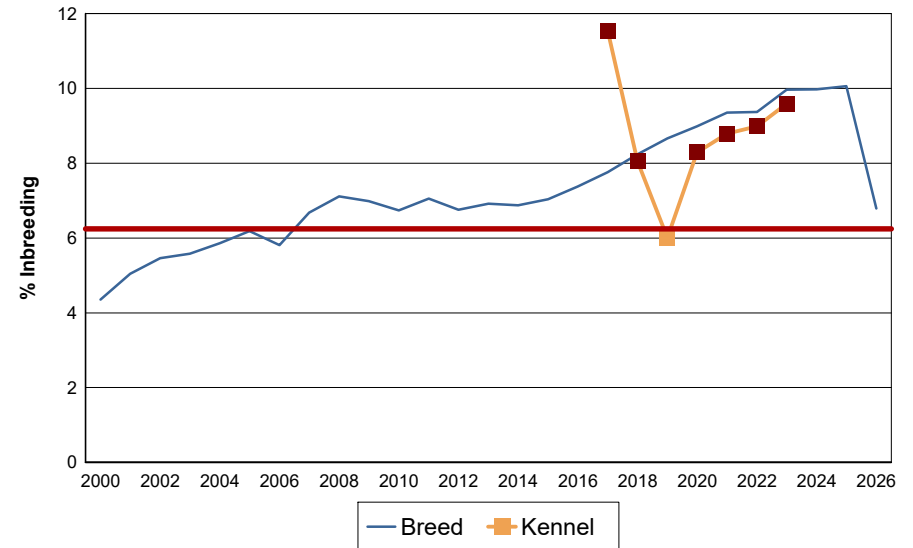
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

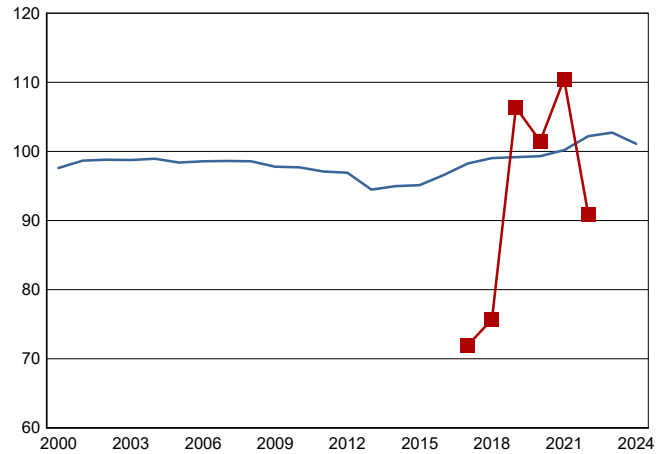


Inbreeding Levels

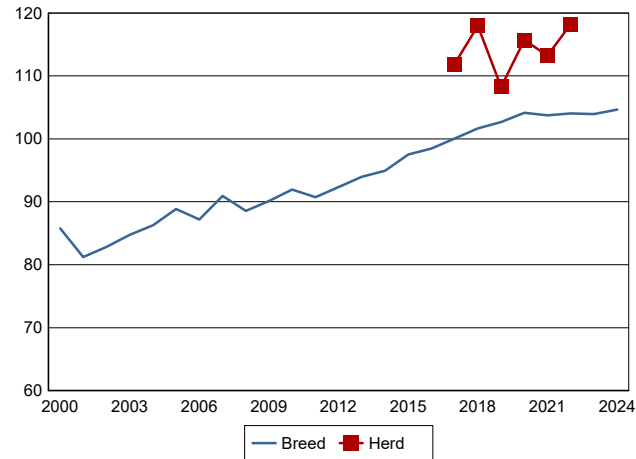
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	18	49007	9	25141	9	23857	10	3371	13	6287
Average Inbreeding	8.02	8.49	7.44	8.46	8.61	8.53	5.54	8.01	8.09	8.00
Number inbred	18	48727	9	24990	9	23728	10	24990	13	23728
Number >6.25% Inbr.	15	30600	7	15537	8	15058	3	15537	8	15058

Genetic Trends

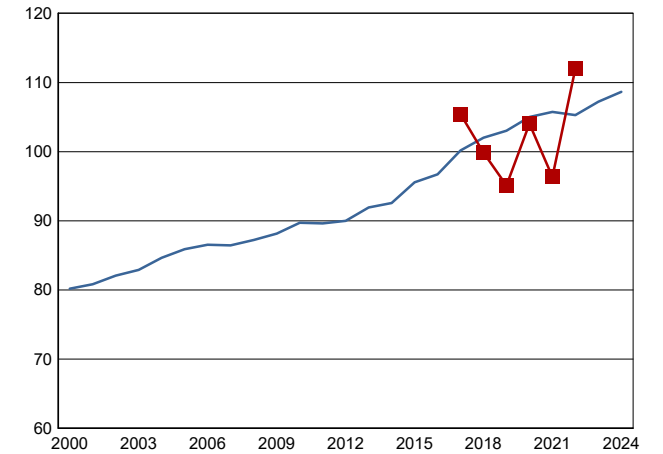
Litter Size



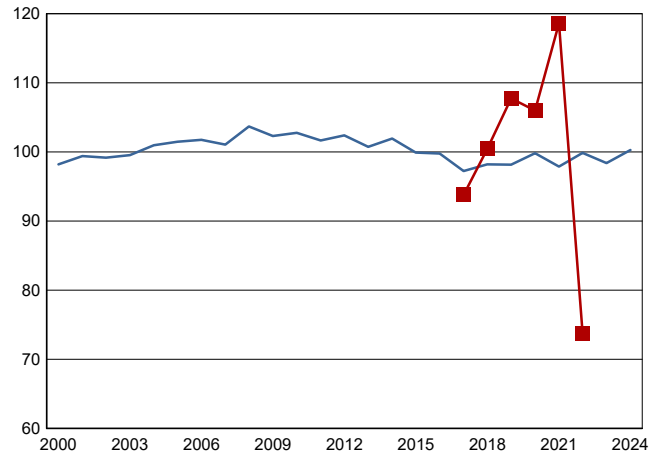
Movement



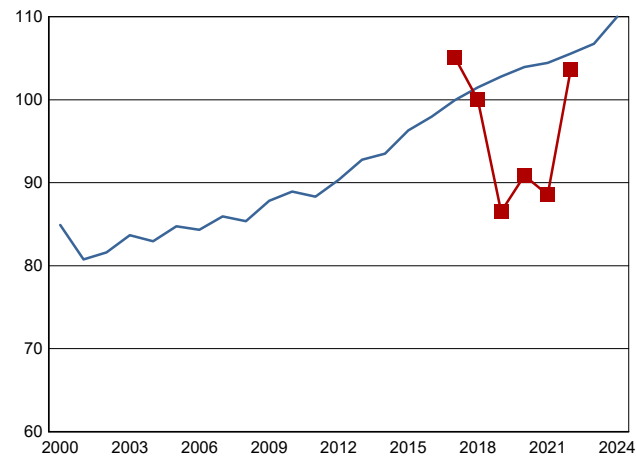
Temperament



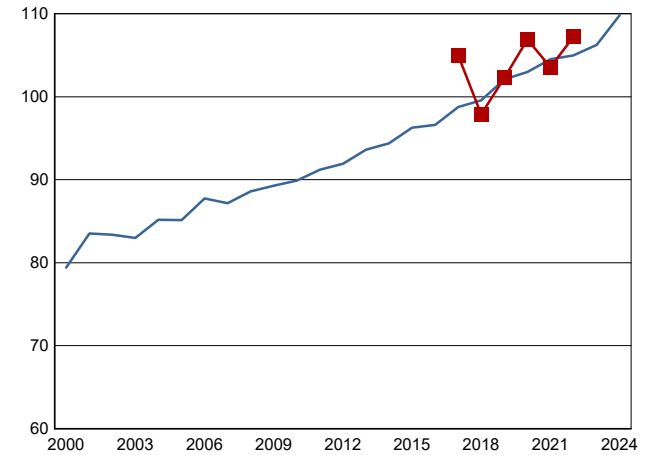
Coat



General Appearance

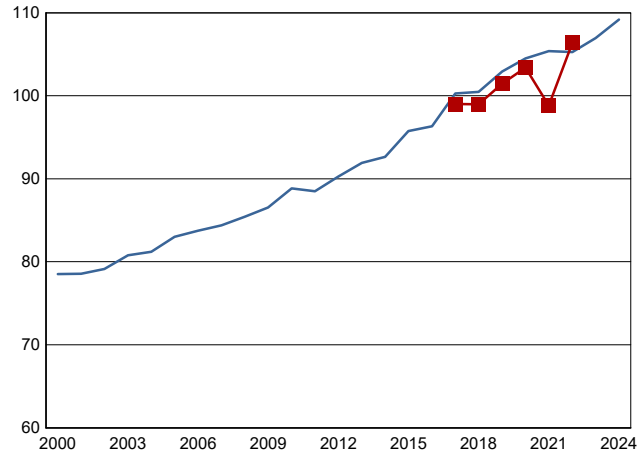


Head & Face

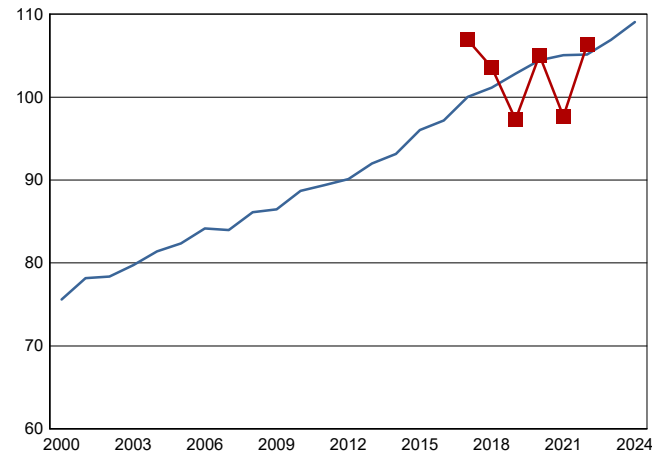


Genetic Trends

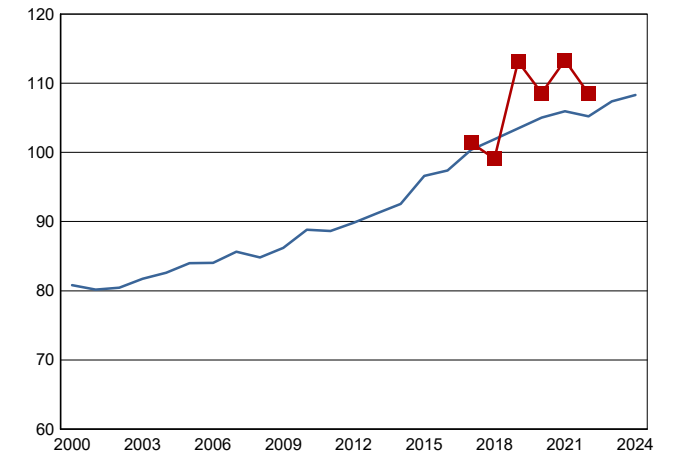
Front Quarter



Centre

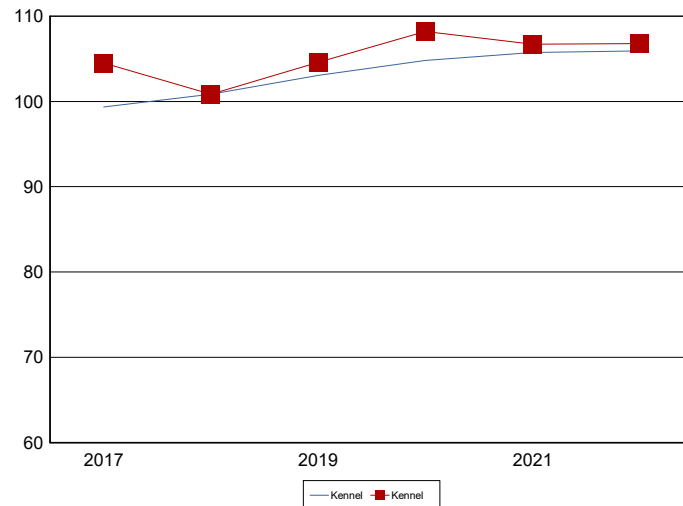


Hind Quarter

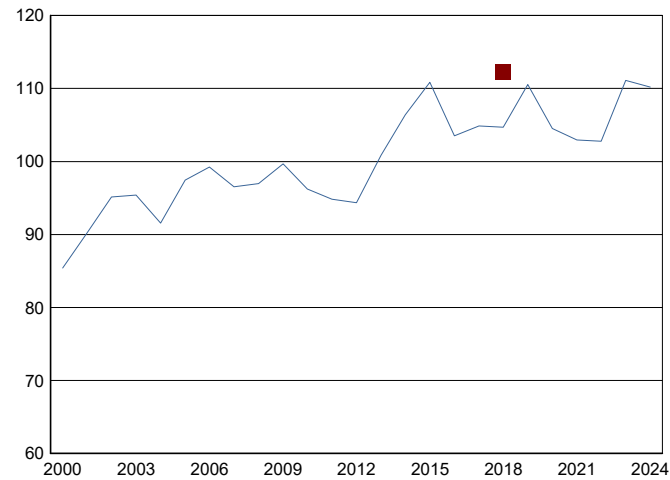


Final Score & Health Traits

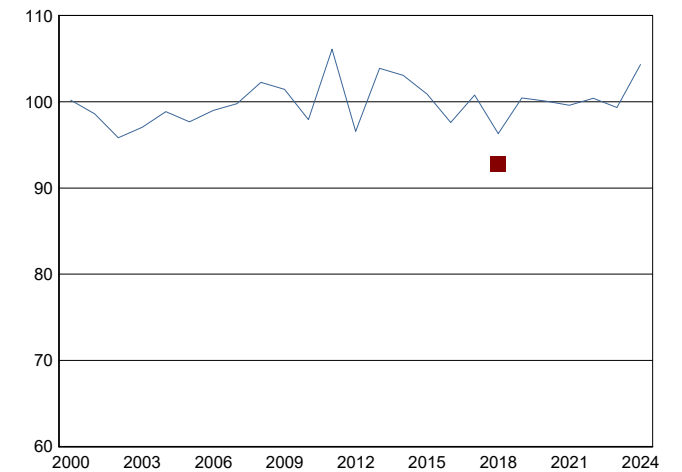
Final Score



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		Sire		Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	
	BYr	Dam	%	Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score			Kennels			
PLAASWAG STEVENHOEK FERNANDO		PINNACLE BBD HAVOC	4.62	103	91	67	120	91	99	86	97	101	97	108	100	17	4	11	1	1	6
	2014	GIANTS OF AFRICA ATHENA		12	17	46	60	38	72	59	71	61	62	64	68						
MES MORPHEUS		MES MAC GYVER	7.10	106	107	110	117	113	100	95	128	115	120	117	123	23	6	3			
	2017	MES SERABI		5	23	40	60	39	72	59	72	60	62	64	68						
ROZEK FERNIE		PLAASWAG STEVENHOEK FERNANDO	6.29	112	93	76	127	100	114	98	102	99	101	99	104	29	6	7			2
	2018	ELEVATION MOANA		5	5	28	52	25	69	51	68	53	55	58	63						
MES GUNS N'ROSES		MES ARNOLD 1	11.46	116	102	116	89	99	102	99	112	108	98	112	108	5	2				2
	2018	MES MAXI		5	25	47	62	45	72	61	71	62	64	65	68						
ROZEK BRIXTON		PLAASWAG STEVENHOEK FERNANDO	5.23	109	97	105	107	93	111	87	98	106	100	112	104						
	2019	MES VANILLA		5	5	33	51	28	66	50	65	52	54	56	61						
ROZEK BOSEMAN		MES GUNS N'ROSES	6.80	113	103	96	94	93	104	97	103	100	97	105	101	5	2				
	2020	GIANTS OF AFRICA PHOENIX		5	5	26	31	6	41	31	41	32	33	35	38						
ROZEK BLANCO		MES MORPHEUS	10.13	111	105	126	98	95	152	77	133	111	114	117	126						
	2020	MES VANILLA		5	5	26	48	24	63	47	62	49	51	53	58						
ROZEK MAMBA		ROZEK FERNIE	7.10	114	81	90	118	110	105	110	109	104	106	107	110						
	2023	BOSTU ZURI I		5	5	17	29	5	41	29	40	30	32	34	37						
ROZEK PICASSO II		ROZEK FERNIE	8.20	113	98	84	110	96	109	98	102	99	99	102	102						
	2023	ROZEK TOKYO		5	5	5	23	5	36	22	35	23	26	28	32						

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	
MES VANILLA		MES ARNOLD 1	11.46	116	102	142	91	91	126	86	108	105	98	118	109	26	3	9			4
	2017	MES MAXI		5	25	57	66	48	77	66	76	67	68	70	73			7			1
AFRIKA CINDY I		AFRIKA TOMMELOM	9.39	107	102	106	104	124	45	110	113	120	119	121	114	2	1	1			
	2019	ELEVATION EMMA		36	55	44	55	32	70	55	69	56	58	60	65			1			
ROZEK IVORY		MES GOLDBERG	9.01	108	98	107	112	110	105	96	108	102	95	109	107	6	2				
	2019	MES RIVA		5	5	34	48	23	65	48	64	49	51	54	59						
ROZEK HAVANA		PLAASWAG STEVENHOEK FERNANDO	5.23	109	97	109	102	88	112	89	102	101	95	111	103	3	1				
	2019	MES VANILLA		5	5	35	51	28	66	50	65	52	54	56	61						
ROZEK TOKYO		MES GUNS N'ROSES	6.80	113	103	93	94	93	104	97	103	100	97	105	101	2	1				
	2020	GIANTS OF AFRICA PHOENIX		5	5	32	31	6	41	31	41	32	33	35	38						
ROZEK KAMALA		ROZEK FERNIE	7.90	113	100	95	118	104	96	90	99	104	104	110	104	3	1				
	2020	CDH MOLLIE		5	5	26	45	17	63	45	62	46	49	51	57						
BOSTU ZURI I		ELEVATION COOPER	12.17	115	70	104	109	120	97	122	116	109	112	114	117	3	1				
	2021	KAMMO BBD ZASTAVA		12	32	45	46	26	55	46	54	47	48	49	52						
ROZEK CHAMPAGNE		ROZEK FERNIE	8.42	110	97	91	118	112	74	104	107	106	106	109	107						
	2022	AFRIKA CINDY I		5	8	16	40	6	57	39	56	41	43	46	51						
ROZEK DIXIE		ROZEK FERNIE	7.10	114	81	90	118	110	105	110	109	104	106	107	110						
	2023	BOSTU ZURI I		5	5	17	29	5	41	29	40	30	32	34	37						

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	
PINNACLE BBD HAVOC	2010	AVONTUUR BBD BRUTUS IV	1.70	97	83	74	109	88	103	101	108	109	92	98	101	233 44	80 57	18 8		76
		BONANZA BBD XENA II		55	58	77	84	66	91	83	90	84	85	87	89					11
PLAASWAG STEVENHOEK FERNANDO	2014	PINNACLE BBD HAVOC	4.62	103	91	67	120	91	99	86	97	101	97	108	100	17 4	11 8	1 1		6
		GIANTS OF AFRICA ATHENA		12	17	46	60	38	72	59	71	61	62	64	68					1
MES MAC GYVER	2014	AFRIKA MALABU	5.66	120	118	132	122	112	84	88	125	106	98	120	116	144 22	48 41	6 6		40
		ZUBERI-ZURI DIDI		35	52	63	80	59	89	80	89	81	82	84	87					7
AFRIKA TOMMELOM	2015	MIDDELPOS BBD ALPHA	5.38	128	111	128	92	108	72	104	114	122	110	107	108	80 22	32 26	4 4		19
		AFRIKA BLITZY		43	54	61	75	55	85	74	85	75	77	79	82					3
ELEVATION COOPER	2015	GROENBERG BBD RAMBO	4.48	112	60	98	111	134	95	126	121	125	124	125	127	127 21	52 39	10 10		37
		HAZENJACHT BBD FIELLA		56	68	70	81	64	89	81	89	82	83	84	87					7
MES ARNOLD 1	2016	GROENBERG BBD RAMBO	4.08	107	89	120	110	111	117	99	110	113	101	121	115	40 5	32 20	4 4		27
		MES LIZE		43	54	68	81	65	88	80	87	81	82	83	86					2
MES GOLDBERG	2017	MES MAC GYVER	4.62	103	98	126	127	107	100	83	110	98	91	113	107	17 4	6 6			1
		MES LIZE		5	22	40	59	38	71	58	70	60	61	63	67					1
MES MORPHEUS	2017	MES MAC GYVER	7.10	106	107	110	117	113	100	95	128	115	120	117	123	23 6	3 3			
		MES SERABI		5	23	40	60	39	72	59	72	60	62	64	68					
ROZEK FERNIE	2018	PLAASWAG STEVENHOEK FERNANDO	6.29	112	93	76	127	100	114	98	102	99	101	99	104	29 6	7 6			2
		ELEVATION MOANA		5	5	28	52	25	69	51	68	53	55	58	63					1
MES GUNS N' ROSES	2018	MES ARNOLD 1	11.46	116	102	116	89	99	102	99	112	108	98	112	108	5 2				2
		MES MAXI		5	25	47	62	45	72	61	71	62	64	65	68					1

Estimated Breeding Value Indices (EBVi's)

Dams

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbred	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	
GIANTS OF AFRICA ATHENA	2012	BREKER STOFFEL I	5.93	109	100	53	123	100	135	88	100	106	107	113	111	18	1	10	2	2	7
		PIET-ZYN-DRIFT EMMA II		5	5	56	59	31	75	59	74	60	63	65	70			10			1
MES MAXI	2015	MIDDELPOS BBD ALPHA	5.97	125	115	114	88	92	110	95	108	107	99	104	103	29	2	23	2	2	20
		MES MILAN		29	40	67	77	59	86	77	86	78	79	81	83			16			1
MES SERABI	2015	GROENBERG BBD RAMBO	4.98	91	97	88	115	121	92	117	116	118	136	121	124	22	2	11	1	1	10
		MES MILEY		33	41	61	71	53	82	71	81	72	73	75	78			11			1
GIANTS OF AFRICA PHOENIX	2015	MIDDELPOS BBD JACK 1	5.74	110	104	76	99	87	106	96	93	92	96	97	94	5	3	1			2
		GIANTS OF AFRICA BONANG		5	15	44	39	13	52	39	51	40	42	44	48			1			1
ELEVATION EMMA	2015	ELEVATION KOOSIE	9.06	80	82	90	110	126	56	111	105	105	116	119	110	21	5	9	2	2	4
		MIDDELPOS BBD STELLA		40	57	62	65	43	77	64	76	65	67	69	73			9			1
ELEVATION MOANA	2016	ELEVATION PEPSI	5.71	122	94	83	113	110	106	115	100	100	111	92	103	11	3	7	1	1	3
		ELEVATION FUDGE		5	18	48	54	33	65	54	64	55	57	58	62			7			1
MES RIVA	2016	GROENBERG BBD RAMBO	6.31	112	98	98	106	115	107	106	105	107	102	110	109	2	1	2			1
		LEESER MIEKE		24	34	50	60	43	72	60	71	61	62	64	68			2			1
KAMMO BBD ZASTAVA	2016	MES BITE A BULLET	7.47	118	79	124	107	105	98	119	111	93	100	104	106	38	6	8	1	1	4
		ELEVATION KENNA		31	47	60	59	39	70	58	70	59	61	63	67			7			2
MES VANILLA	2017	MES ARNOLD 1	11.46	116	102	142	91	91	126	86	108	105	98	118	109	26	3	9			4
		MES MAXI		5	25	57	66	48	77	66	76	67	68	70	73			7			1
CDH MOLLIE	2018	CDH KAROO	14.14	113	107	111	114	112	88	86	100	113	112	120	110	7	1	4			1
		CDH MIA		5	5	45	59	38	72	59	71	60	62	64	68			4			1
AFRIKA CINDY I	2019	AFRIKA TOMMELOM	9.39	107	102	106	104	124	45	110	113	120	119	121	114	2	1	1			
		ELEVATION EMMA		36	55	44	55	32	70	55	69	56	58	60	65			1			
ROZEK TOKYO	2020	MES GUNS N'ROSES	6.80	113	103	93	94	93	104	97	103	100	97	105	101	2	1				
		GIANTS OF AFRICA PHOENIX		5	5	32	31	6	41	31	41	32	33	35	38						

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	
BOSTU ZURI I		ELEVATION COOPER	12.17	115	70	104	109	120	97	122	116	109	112	114	117	3	1				
	2021	KAMMO BBD ZASTAVA		12	32	45	46	26	55	46	54	47	48	49	52						

