

Boerboel Genetic Evaluation

SA Stud Book

February 2026

0 0 CLASENS MAJESTIC BOERBOELS

775 VZ COUNTY ROAD 3411

WILLS POINT

TX 75169

USA



Kennel Number: 691172



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.

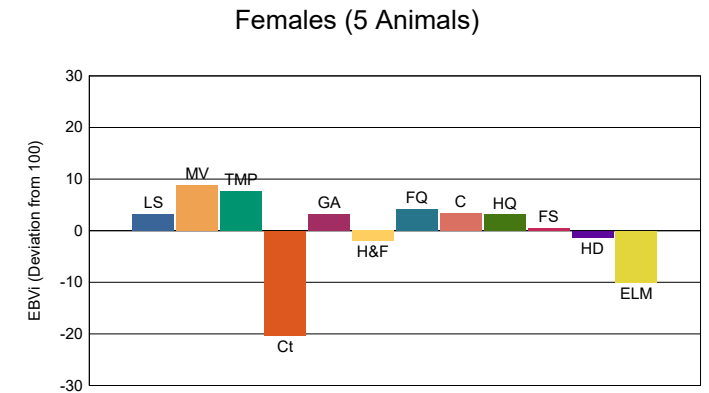
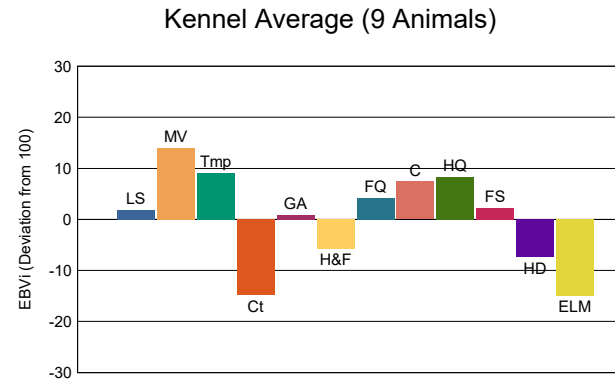
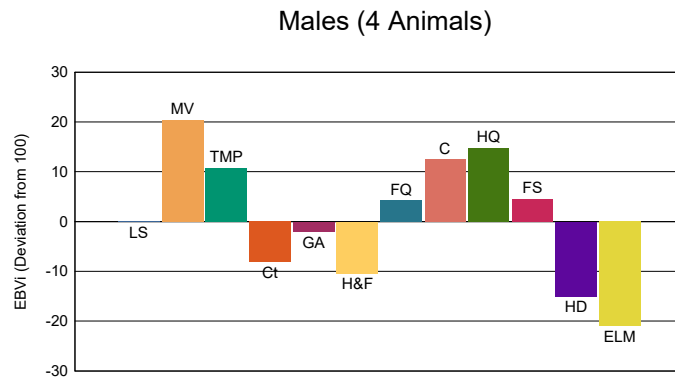
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	114	120	109
Temperament (Tmp)	109	111	108
Coat (Ct)	85	92	80
General Appearance	101	98	103
Head & Face (H&F)	94	90	98
Front Quarter (FQ)	104	104	104
Centre (C)	107	112	103
Hind Quarter (HQ)	108	115	103
Final Score (FS)	102	105	100
Hip Health (HH)	93	85	99
Elbow Health (ELM)	85	79	90

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.

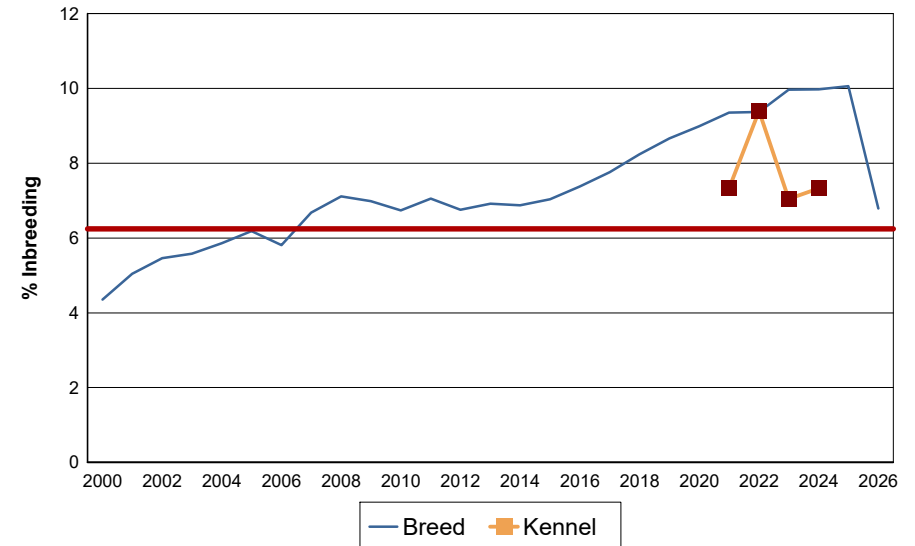
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

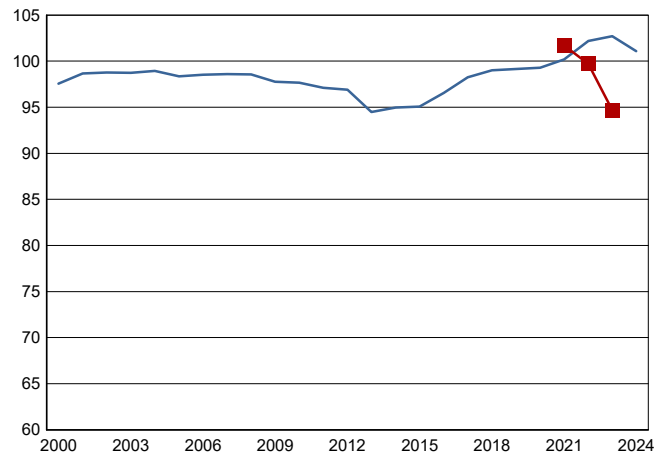


Inbreeding Levels

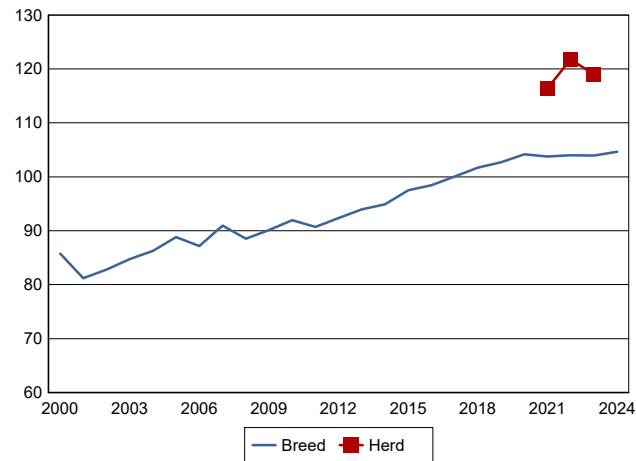
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	4	25141	5	23857	5	3371	9	6287
Average Inbreeding	7.94	8.49	8.84	8.46	7.22	8.53	8.19	8.01	7.67	8.00
Number inbred	9	48727	4	24990	5	23728	5	24990	9	23728
Number >6.25% Inbr.	7	30600	4	15537	3	15058	4	15537	4	15058

Genetic Trends

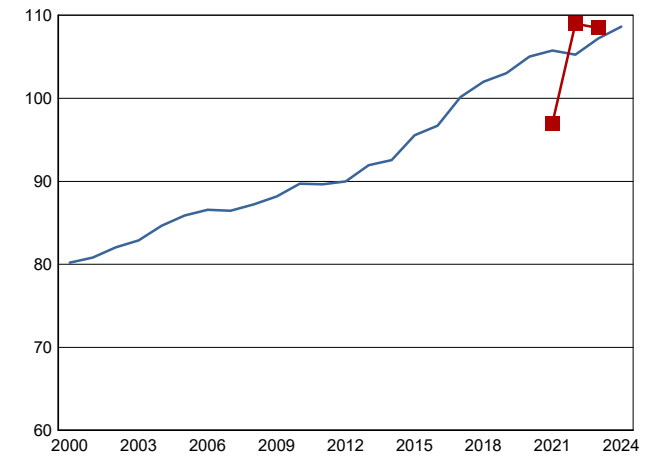
Litter Size



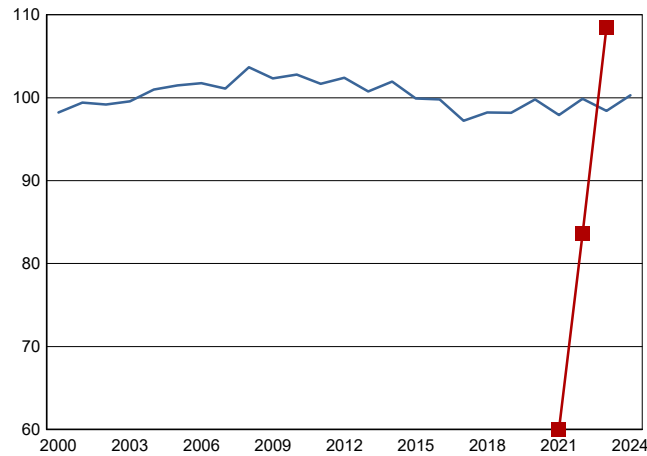
Movement



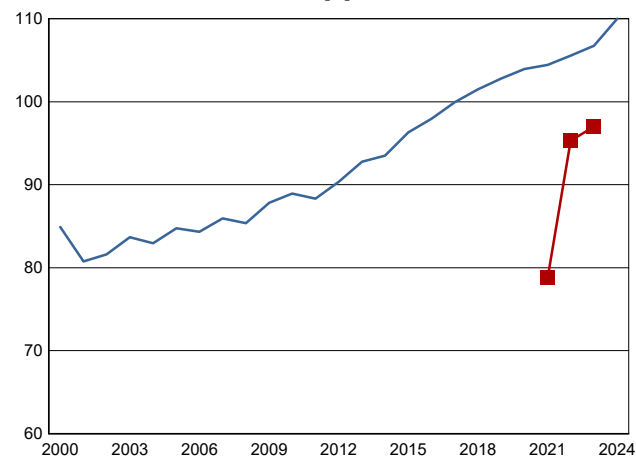
Temperament



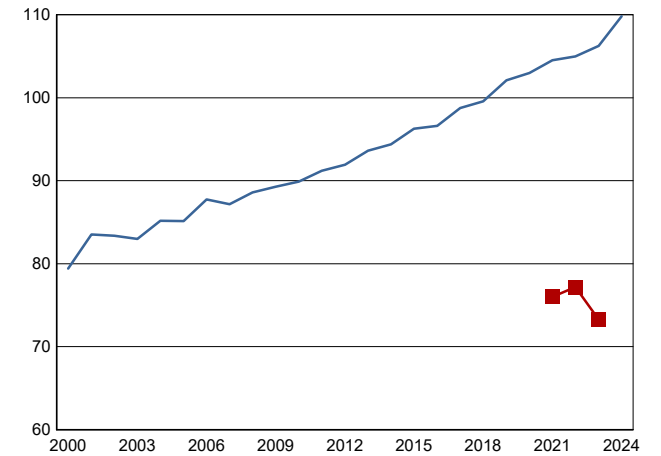
Coat



General Appearance

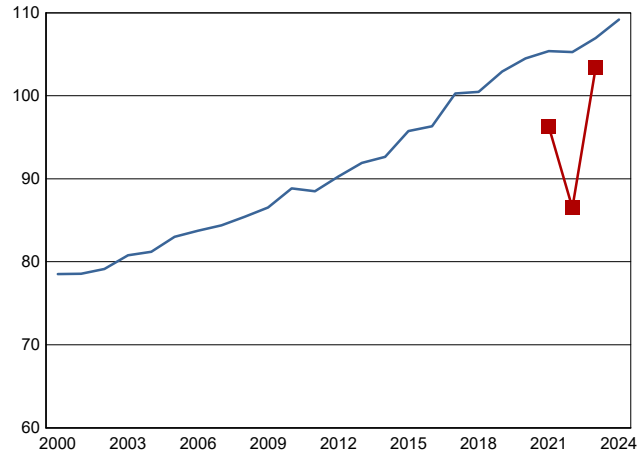


Head & Face

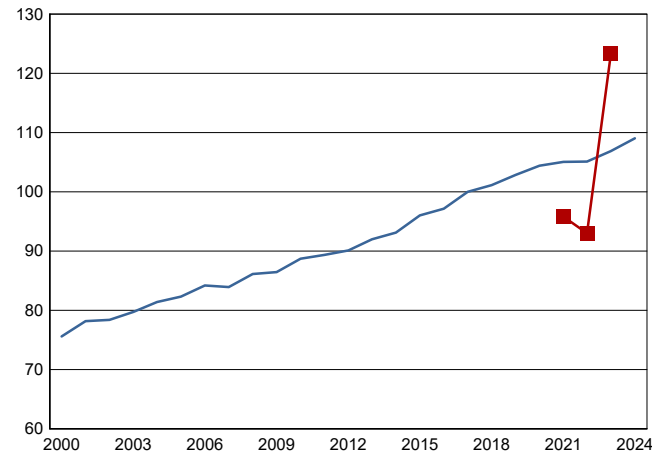


Genetic Trends

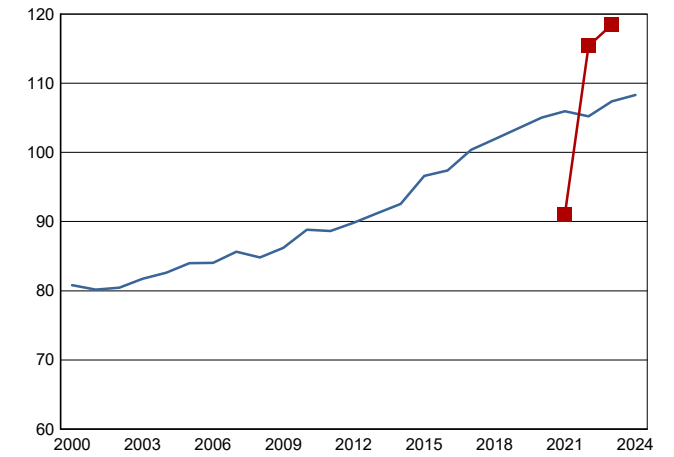
Front Quarter



Centre

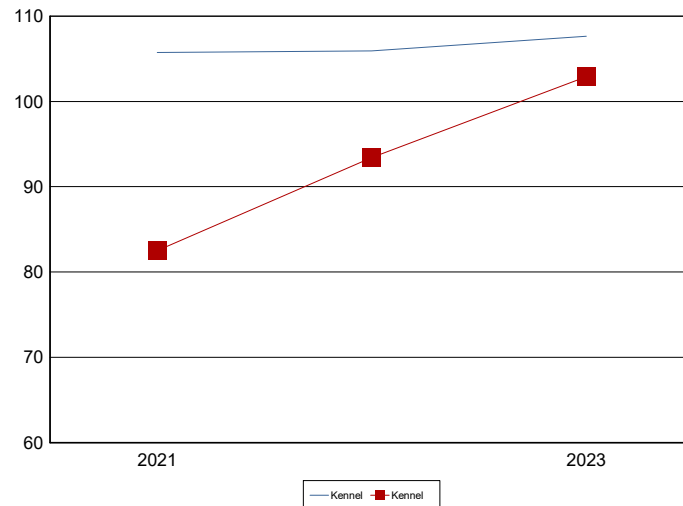


Hind Quarter

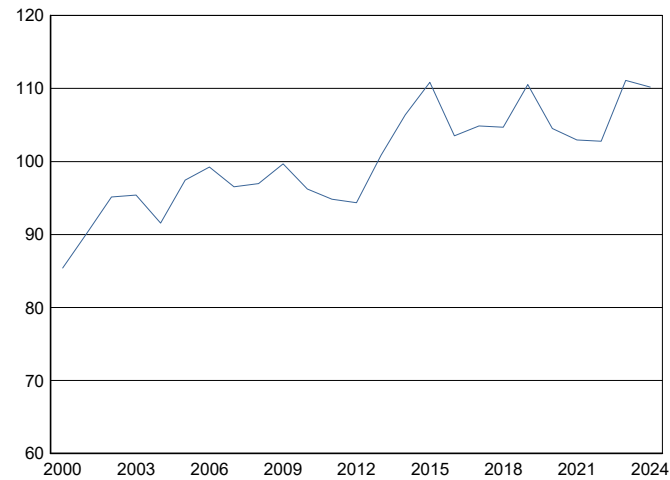


Final Score & Health Traits

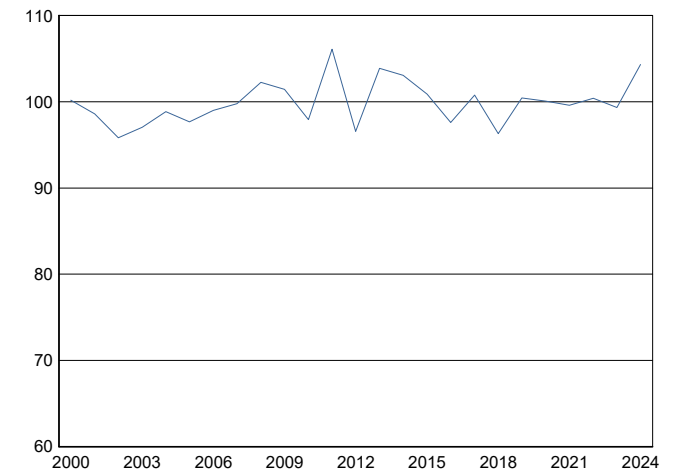
Final Score



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	
BLACK IRON APOLLO CLASEN		ZUKANDI CAINE	7.12	75	62	97	137	117	85	96	71	97	116	133	104	26	4	3			
	2020	LA BOELA LIZZIE		28	48	21	48	23	65	48	64	49	51	54	59						
CLASENS MAJESTIC ODIN		BLACK IRON APOLLO CLASEN	7.33	87	74	102	116	97	60	79	76	96	96	91	83						
	2021	BIG IRON RHEA CLASEN		5	5	5	36	5	56	35	54	37	39	42	49						
AFRIKA TORQUE		AFRIKA BUNDO 6	13.88	88	92	107	109	121	114	120	138	121	114	117	129						
	2023	AFRIKA MIMA		5	16	20	52	26	67	51	66	53	55	57	62						
CLASENS MAJESTIC TIGER KING		BLACK IRON APOLLO CLASEN	7.05	90	89	95	119		109	97	73	103	123	119	103						
	2023	EVANTICA CALYPSO		5	20	5	39		58	38	57	40	42	45	51						

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
PROFFER PASTY ANN	2020	BIG SKY BBD MAGNUS ELEVATION PAMELA	6.55	98 5	87 5	101 20	125 48	128 20	49 64	117 47	100 63	99 49	111 51	101 53	102 58					
BIG IRON MAIA	2020	BLACK IRON MIGHTY THOR AFRIKA ASPEN	5.62	115 5	103 5	106 18	96 43	94 14	108 60	97 42	106 59	112 43	105 46	101 48	105 54					
HERBERG AFRIKA DAENERYS	2020	AFRIKA BUNDO 6 MES MIA II	11.77	100 5	95 14	103 25	124 51	121 25	84 66	108 50	111 65	114 51	115 54	128 56	119 61					
BIG IRON RHEA CLASEN	2020	BLACK IRON MIGHTY THOR AFRIKA OHANA	5.37	98 5	86 5	107 21	78 42	87 9	75 61	99 41	96 59	110 43	93 46	70 48	84 54	12 2	1 1			
CLASENS MAJESTIC NALA II	2022	BLACK IRON APOLLO CLASEN BMF IRIS	6.82	83 5	79 12	100 5	122 38	109 5	84 58	95 37	77 57	87 39	93 42	115 45	93 51					

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	
ZUKANDI CAINE		KLEIN SANDFONTEIN ZUKA	8.09	50	78	96	128	113	79	94	97	115	122	124	112	50 7	5 5	2 2		6
	2016	ZUKANDI MICKA		34	50	31	53	30	66	52	65	54	56	58	62					3
BIG SKY BBD MAGNUS		ROOIBOS GRETCHEN'S TRUE TORO (TONY)	8.81	101	97	102	129	107	124	111	77	75	87	87	88	57 8	19 14			7
	2016	ROCKING H MAYAS PERFECT STORM ZIVA		5	5	5	51	20	69	50	68	52	55	58	63					2
AFRIKA BUNDO 6		AFRIKA RAMBOMAX	11.97	89	84	103	114	107	96	112	110	107	109	109	111	80 14	23 11	1 1		10
	2018	AFRIKA KONTESSA		39	56	44	72	49	84	72	83	73	75	77	80					2
BLACK IRON MIGHTY THOR		KLEIN SANDFONTEIN JUDGE	4.96	111	101	113	80	99	90	99	103	121	106	82	96	43 7	15 9			5
	2018	BLACK IRON IMANI		5	12	22	53	28	68	52	67	54	56	58	63					1
BLACK IRON APOLLO CLASEN		ZUKANDI CAINE	7.12	75	62	97	137	117	85	96	71	97	116	133	104	26 4	3 1			
	2020	LA BOELA LIZZIE		28	48	21	48	23	65	48	64	49	51	54	59					

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	
AFRIKA OHANA	2015	AFRIKA HAZARD	5.87	86	72	97	77	77	72	91	81	82	68	69	69	29	5	4			2
		SUNJIKA SMARTIE		5	5	41	45	17	62	44	61	46	48	51	56			3			2
ELEVATION PAMELA	2015	ELEVATION KOOSIE	9.06	95	78	100	114	145	-3	124	108	120	143	126	116	25	3	10			3
		MIDDELPOS BBD STELLA		9	25	54	63	41	75	62	74	63	65	67	71			9			1
AFRIKA ASPEN	2015	AFRIKA SAKABUKA	4.47	119	104	99	112	89	122	97	108	104	99	109	108	6	1	2			1
		MIGHTY BBD LOLA		24	35	46	53	31	66	52	65	53	55	57	61			2			1
LA BOELA LIZZIE	2017	GROENBERG BBD RAMBO	21.42	107	69	97	102	110	100	116	77	91	105	114	97	18	2	2	1	1	2
		LA BOELA OPAL		18	37	51	60	42	72	60	71	61	63	64	68			2			1
MES MIA II	2018	MES MAC GYVER	7.02	111	107	103	110	120	80	104	119	119	108	118	116	25	2	3	1	1	4
		MES LINDIE I		5	18	50	59	37	70	58	69	59	61	63	66			3			1
BMF IRIS	2020	QUBITRON PERCEUS	5.72	91	96	103	88	97	93	99	110	102	95	97	100	10	2	1			
		SOUTH COAST NIKKI ROSE		5	21	5	33	5	48	32	47	34	36	38	43			1			
BIG IRON RHEA CLASEN	2020	BLACK IRON MIGHTY THOR	5.37	98	86	107	78	87	75	99	96	110	93	70	84	12	2	1			
		AFRIKA OHANA		5	5	21	42	9	61	41	59	43	46	48	54			1			
AFRIKA MIMA	2020	MES RUBENSTEIN	8.08	86	100	110	117	127	110	107	119	117	105	121	121	8		2			
		AFRIKA MILLA V		21	34	42	60	40	73	59	72	60	62	64	68			2			
EVANTICA CALYPSO	2021	VOICE VELD ELOY	2.07	106	116	93	100	101	113	111	101	119	131	102	111	6	1	1			
		LEONTIX SHE'S THE ONE		5	35	18	47	22	64	46	63	47	50	52	58			1			

