

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 BONEBLUFF BOERBOELS

1916 WOODVILLE HWY
CRAWFORDVILLE
FLORIDA
USA



Kennel Number: 699080



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.

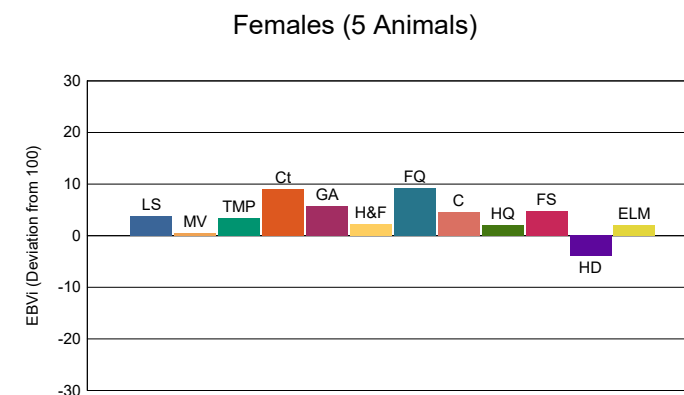
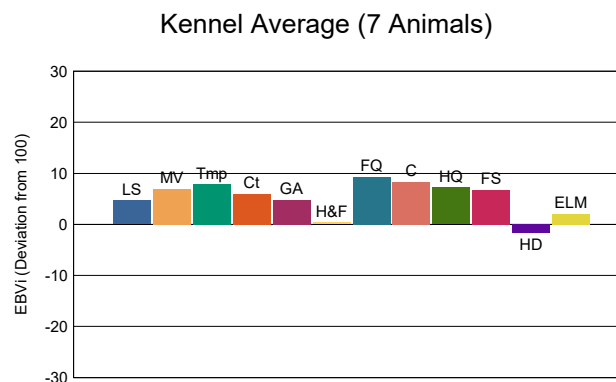
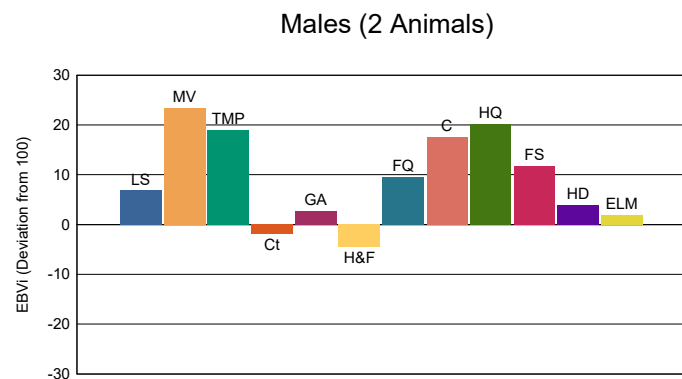
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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	107	104
Movement (Mv)	107	123	100
Temperament (Tmp)	108	119	103
Coat (Ct)	106	98	109
General Appearance	105	103	106
Head & Face (H&F)	100	96	102
Front Quarter (FQ)	109	110	109
Centre (C)	108	118	105
Hind Quarter (HQ)	107	120	102
Final Score (FS)	107	112	105
Hip Health (HH)	98	104	96
Elbow Health (ELM)	102	102	102

Inbreeding

Notes

Inbreeding primarily leads to decreased fertility, low survivability of pups and low disease resistance.

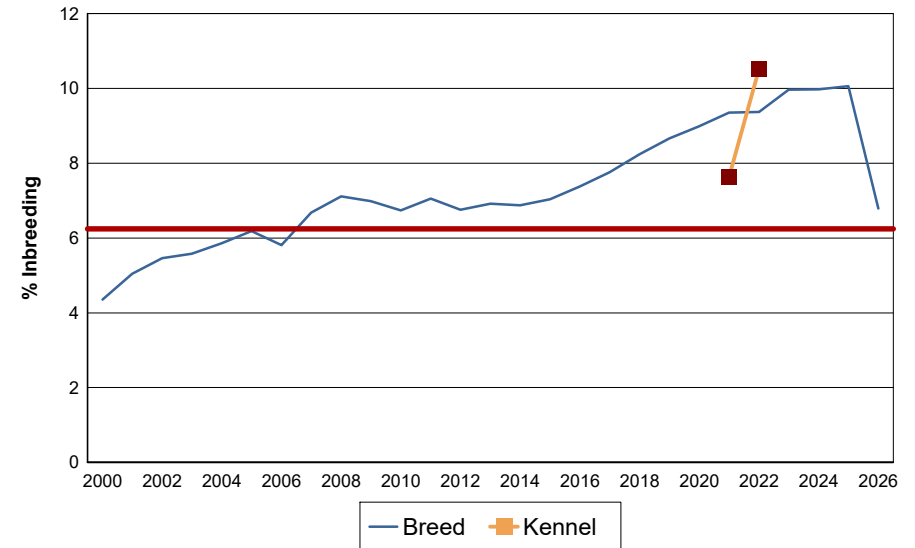
Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

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.

Rate of Inbreeding



Inbreeding Levels for Specific Matings

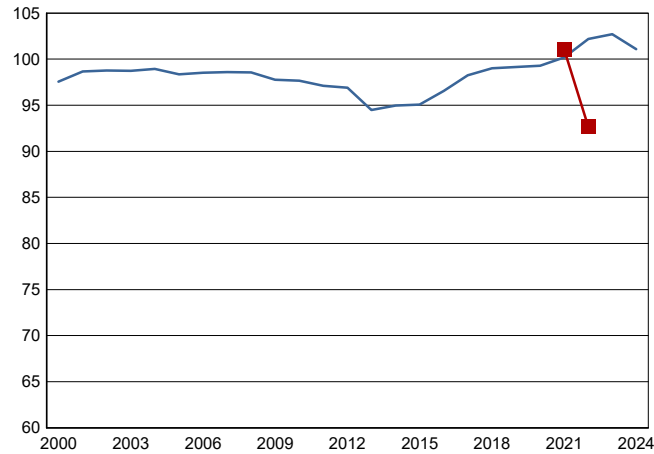
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Inbreeding Levels

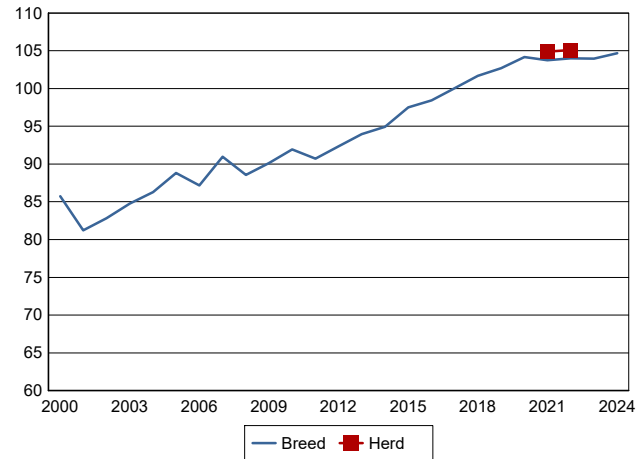
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	7	49007	2	25141	5	23857	7	3371	5	6287
Average Inbreeding	8.56	8.49	10.87	8.46	7.63	8.53	12.63	8.01	6.92	8.00
Number inbred	7	48727	2	24990	5	23728	7	24990	5	23728
Number >6.25% Inbr.	6	30600	2	15537	4	15058	5	15537	2	15058

Genetic Trends

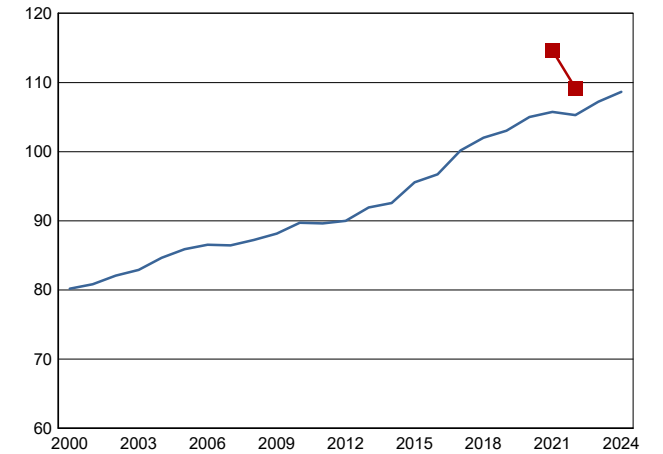
Litter Size



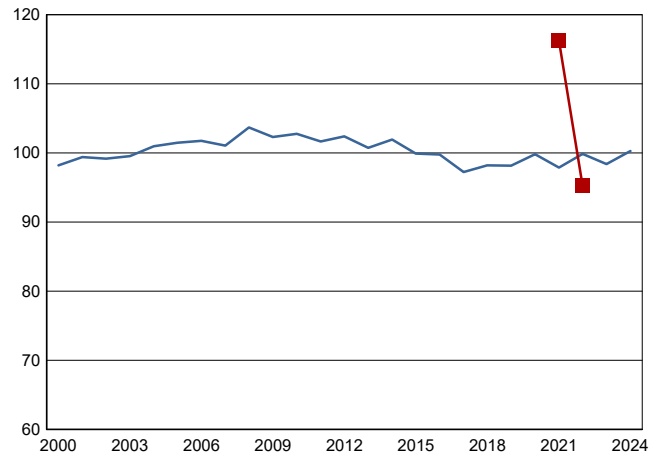
Movement



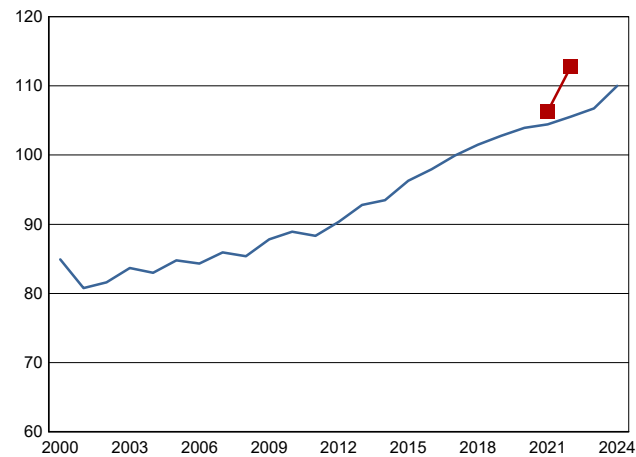
Temperament



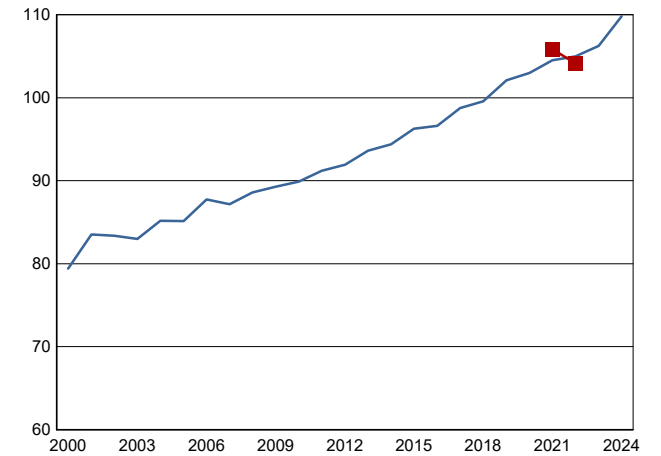
Coat



General Appearance

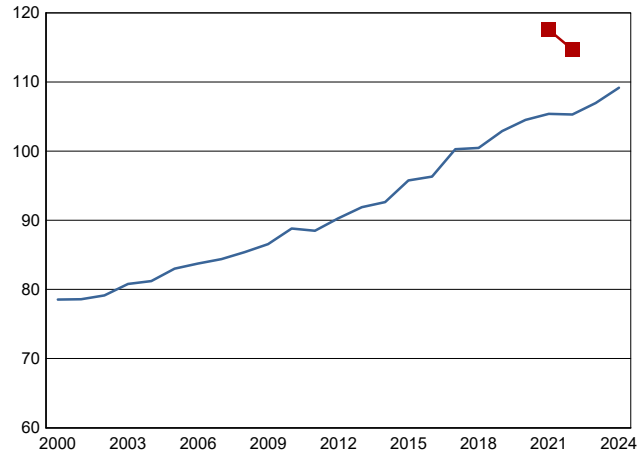


Head & Face

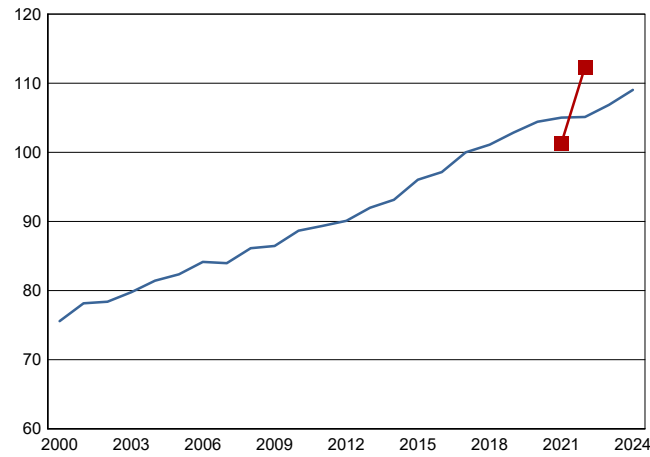


Genetic Trends

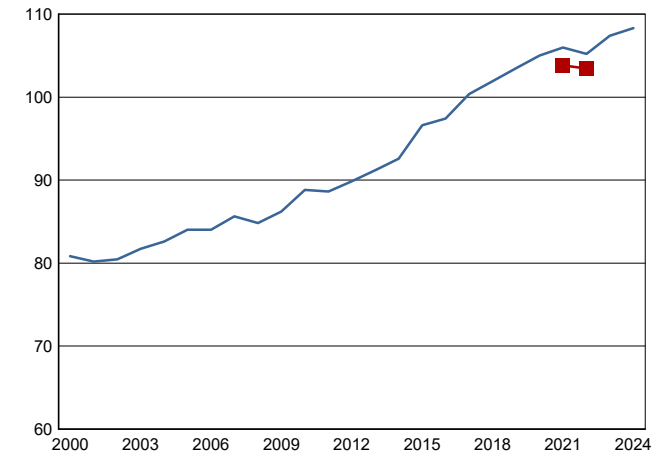
Front Quarter



Centre

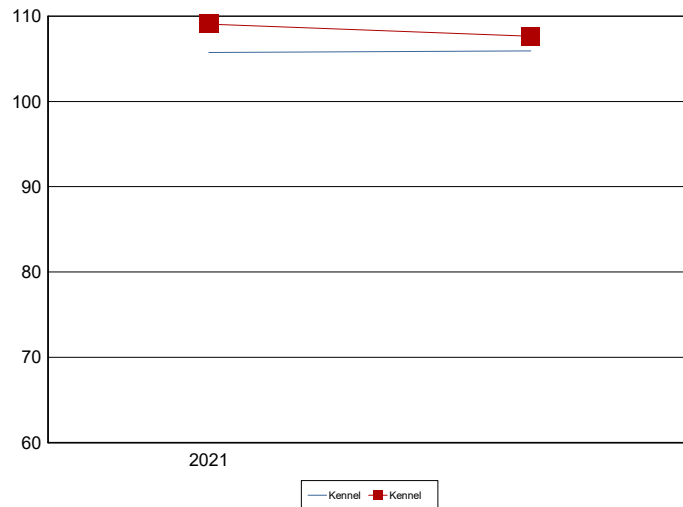


Hind Quarter

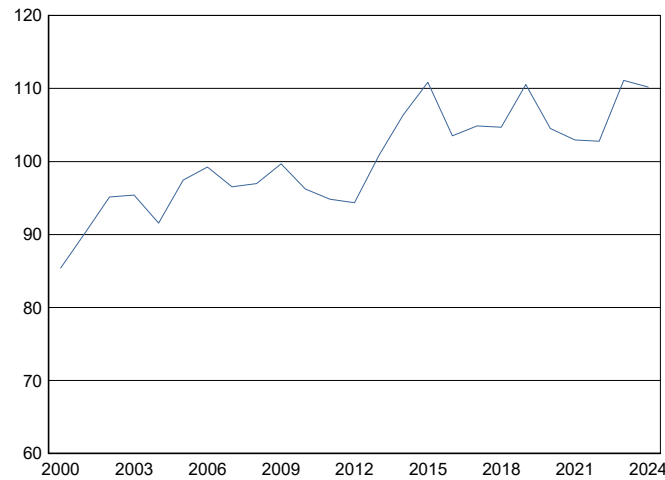


Final Score & Health Traits

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	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	
BODINGTON BOERBOEL TOTO	TARGUS BLOK		9.18	83	108	133	118	113	94	89	88	110	110	115	104						
	2021	BODINGTON BOERBOEL CHARDONNAY		5	5	23	47	16	64	46	63	48	50	53	58						
ENGLISH CREEKS RED ROCK	ELEVATION HULKSTER		12.56	125	96	81	129	125	103	116	103	109	125	126	120						
	2021	KLEIN SANDFONTEIN LEYLA 3		5	5	8	28	5	39	27	38	29	30	32	35						

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
KAMMO BBD JESSE	2019	TARGUS BOM BOEL KAMMO BBD DOLLIE	8.34	84 5	119 5	68 37	100 55	105 33	96 69	121 55	108 68	105 56	118 58	111 60	111 64	1	1	1 1			
BODINGTON BOERBOEL ROSALIE	2020	SPITSVUUR BBD NOXTERRA SAHIB BODINGTON BOERBOEL CHARDONNAY	8.50	95 5	106 5	150 39	96 57	99 26	122 74	100 56	100 73	113 58	102 61	103 63	105 69	27	2	9 8	2	2	3 1
BMF NEMESIS OF BONEBLUFF	2021	DELMA COLA SOUTH COAST NIKKI ROSE	3.88	91 5	96 5	96 5	103 23	97 5	103 36	99 22	93 35	95 23	97 25	98 28	96 32						
BONEBLUFF SELINE	2021	AFRIKA TARZAN GUARDIAN PRINCESS ALEXIA	7.63	114 5	85 5	101 10	105 43	117 15	110 59	107 42	109 58	119 44	102 46	106 49	111 53						
BONEBLUFF PERSEPHONE	2022	GUARDIAN INDY GUARDIAN PRINCESS ALEXIA	9.82	97 5	105 5	105 5	98 19	99 5	114 36	101 19	102 35	115 20	104 23	93 26	102 31						

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		
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						
SPITSVUUR BBD NOXTERRA SAHIB		SPITSVUUR BBD MZAK	7.47	92	113	109	93	104	120	120	114	119	104	100	111	17	3	6			3
	2017	FONT BOERBOELS SUE ELLAN		5	5	31	51	21	68	50	67	52	54	57	62						
ELEVATION HULKSTER		GROENBERG BBD RAMBO	17.70	129	88	87	137	138	90	124	129	123	138	144	140	10	1	1			
	2018	QUREDU MIA		21	36	46	58	43	68	58	67	59	60	62	65						
DELMA COLA		DELMA TOKKAS I	6.34	101	101	92	120	107	95	106	91	91	103	105	100	28	4	5			1
	2018	DELMA MAYA		5	5	25	41	16	54	40	53	41	43	46	50						
AFRIKA TARZAN		MES RUBENSTEIN	5.62	112	75	94	109	120	101	99	99	105	99	112	106	73	8	14	2	2	4
	2018	VOLSPOED MEISIEKIND		23	32	42	61	40	75	61	74	62	64	66	70						
TARGUS BLOK		TARGUS RAM	20.44	68	117	110	113	105	114	102	93	108	110	97	102	36	6	8	1	1	5
	2018	TOKARA KENDALL		5	5	44	63	37	77	62	76	64	66	68	72						
GUARDIAN INDY		TOKARA TAMBO	6.10	78	114	101	94	91	102	92	95	103	103	87	93	21	4	2			
	2020	BARBARIAN JAZMINE		5	5	13	30	5	44	29	43	31	33	35	39						

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	
SOUTH COAST NIKKI ROSE	2016	KLEIN SANDFONTEIN DODGE	4.87	82	91	99	85	87	111	92	95	98	90	91	92	20	2	5	1	1	2
		BUNDU VALLEY BBD ICE-CREAM		5	18	20	36	7	51	36	50	37	39	41	46			5			
KLEIN SANDFONTEIN LEYLA 3	2017	KLEIN SANDFONTEIN DEJAVU	9.01	122	104	75	121	112	115	108	77	94	113	107	100	9	1	1			
		ELEVATION CHARLOTTE		5	5	25	44	15	61	44	60	45	48	50	55			1			
KAMMO BBD DOLLIE	2017	SPITSVUUR BBD TOKARA DRIFTER	5.80	87	124	84	108	92	115	112	104	98	112	107	108	22	5	9	1	1	6
		KAMMO BBD FIELA		23	31	57	65	42	79	65	78	66	68	70	74			6			
GUARDIAN PRINCESS ALEXIA	2018	KLEIN SANDFONTEIN JUDGE	9.24	115	95	108	103	108	127	110	109	127	105	99	111	17	1	4			
		BARBARIAN TANKA		5	5	15	50	22	66	50	65	51	53	56	61			4			
BODINGTON BOERBOEL CHARDONNAY	2018	BODINGTON BOERBOEL THE HULK	5.70	97	99	156	110	106	91	82	92	109	100	115	101	22	2	7			5
		MAWEZA DEBIE		5	5	41	59	31	74	58	73	60	62	64	69			5			

