

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR J.J. SANDHU

1305 CHAROONAY CT
MOOESTO
CALIFORNIA
USA



Kennel Number: 703318



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.

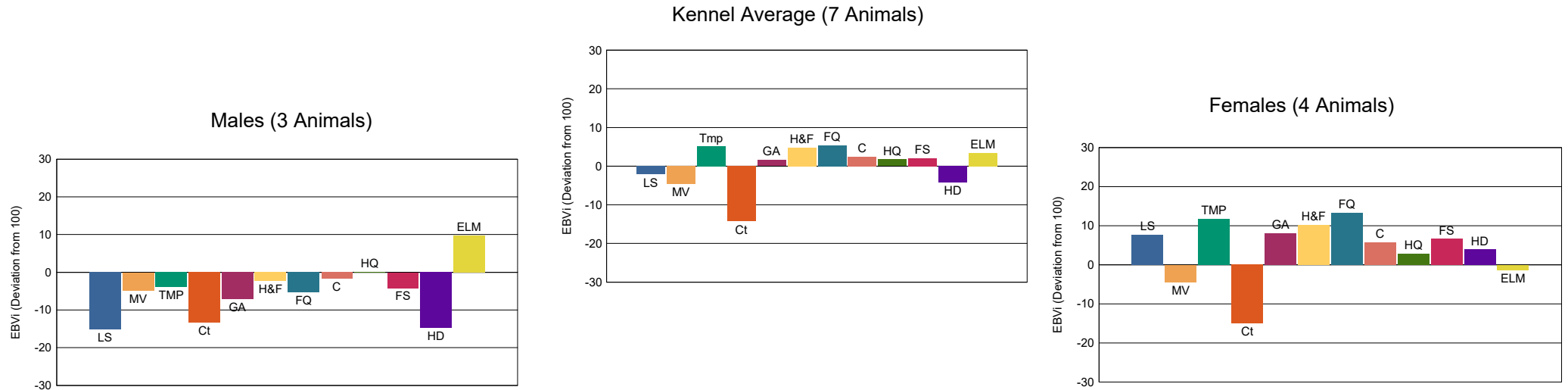
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	98	85	108
Movement (Mv)	95	95	96
Temperament (Tmp)	105	96	112
Coat (Ct)	86	87	85
General Appearance	102	93	108
Head & Face (H&F)	105	98	110
Front Quarter (FQ)	105	95	113
Centre (C)	103	98	106
Hind Quarter (HQ)	102	100	103
Final Score (FS)	102	96	107
Hip Health (HH)	96	85	104
Elbow Health (ELM)	103	110	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.

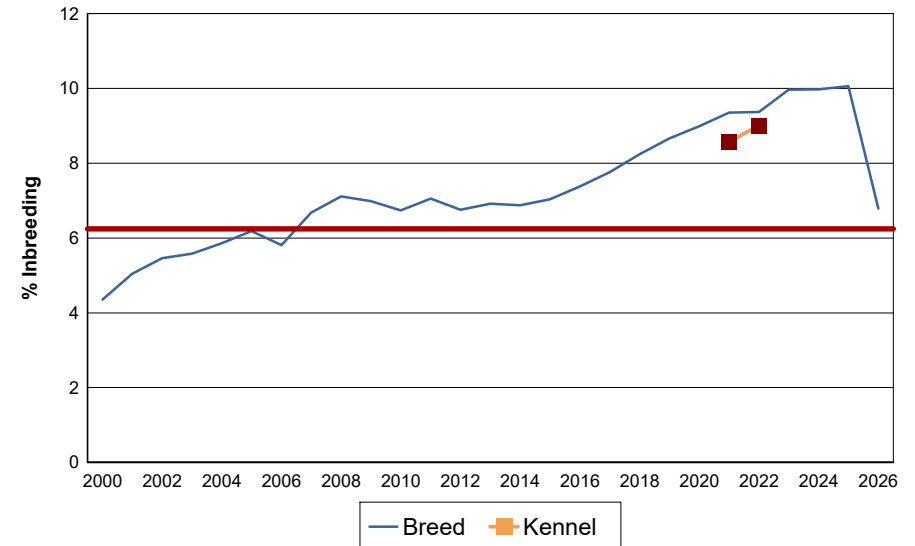
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

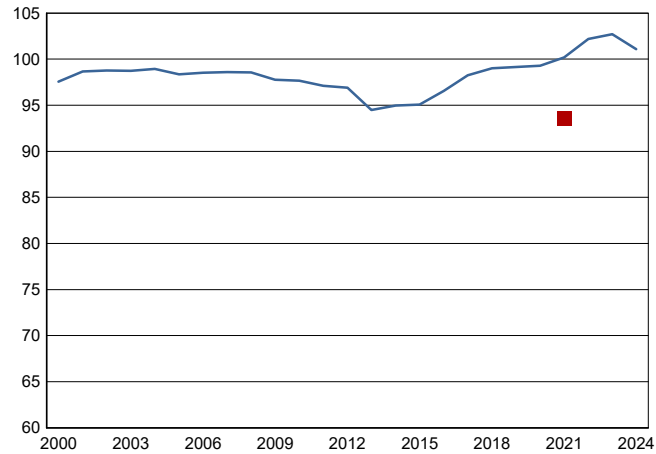


Inbreeding Levels

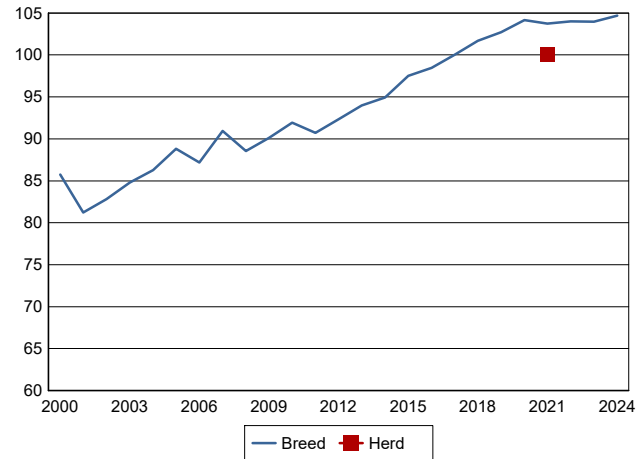
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	7	49007	3	25141	4	23857	6	3371	6	6287
Average Inbreeding	7.42	8.49	7.35	8.46	7.47	8.53	8.10	8.01	7.75	8.00
Number inbred	7	48727	3	24990	4	23728	6	24990	6	23728
Number >6.25% Inbr.	5	30600	2	15537	3	15058	3	15537	3	15058

Genetic Trends

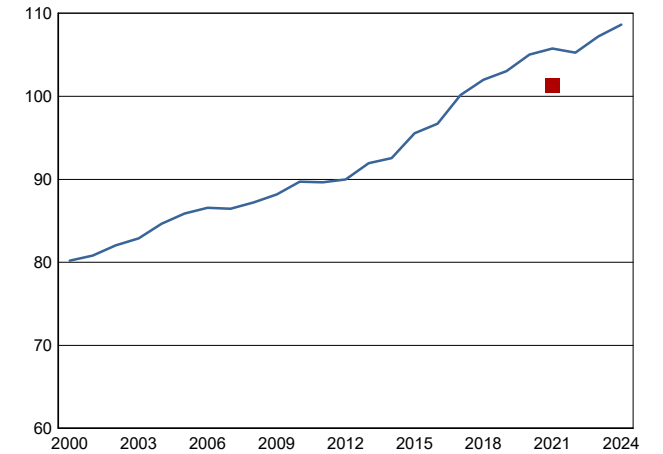
Litter Size



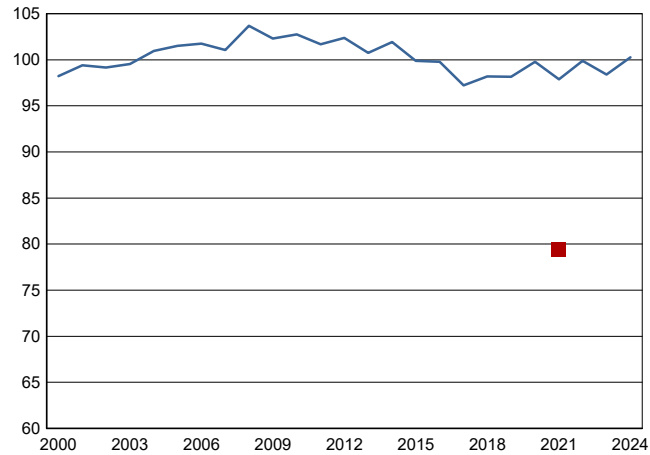
Movement



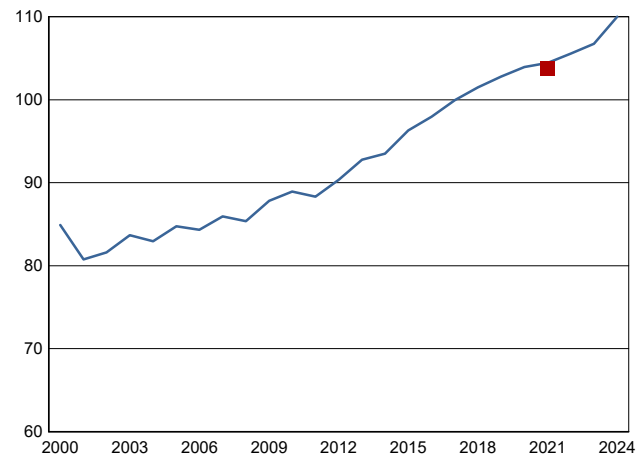
Temperament



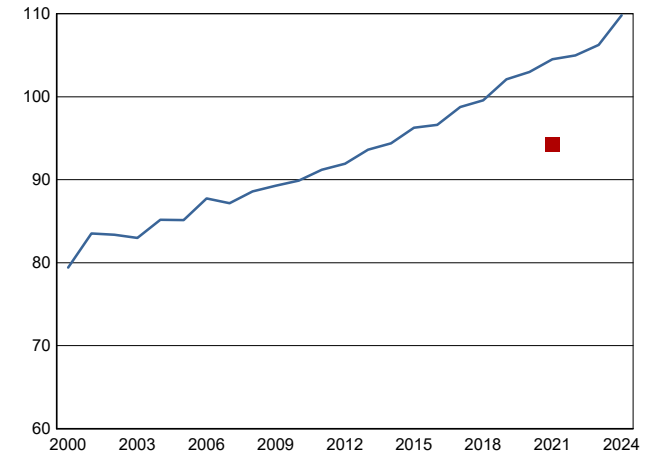
Coat



General Appearance

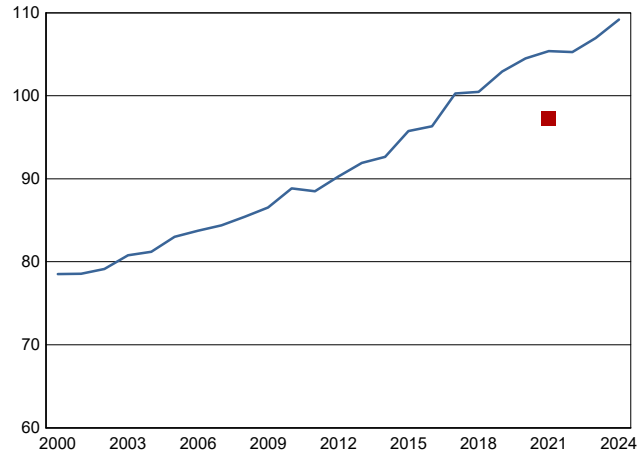


Head & Face

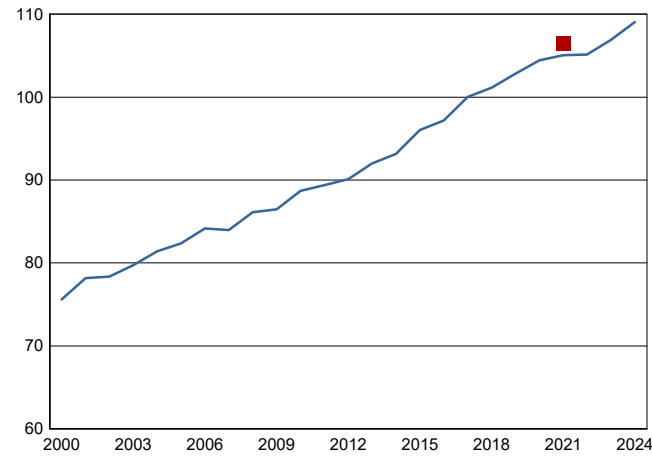


Genetic Trends

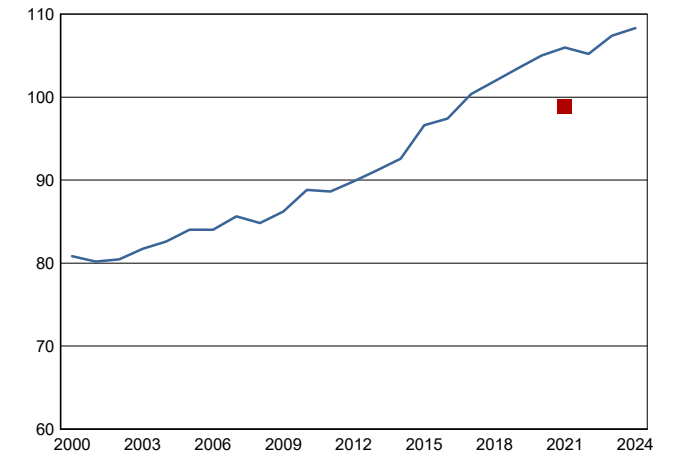
Front Quarter



Centre

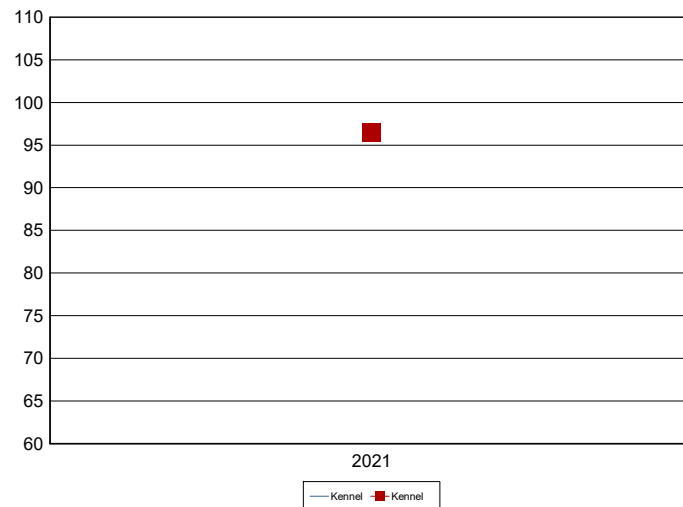


Hind Quarter

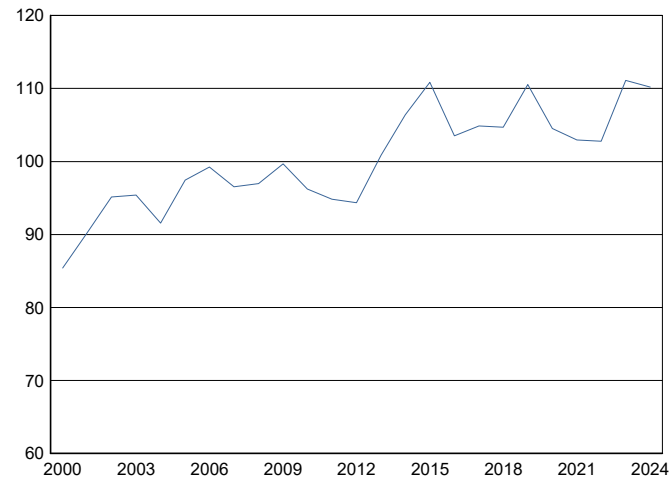


Final Score & Health Traits

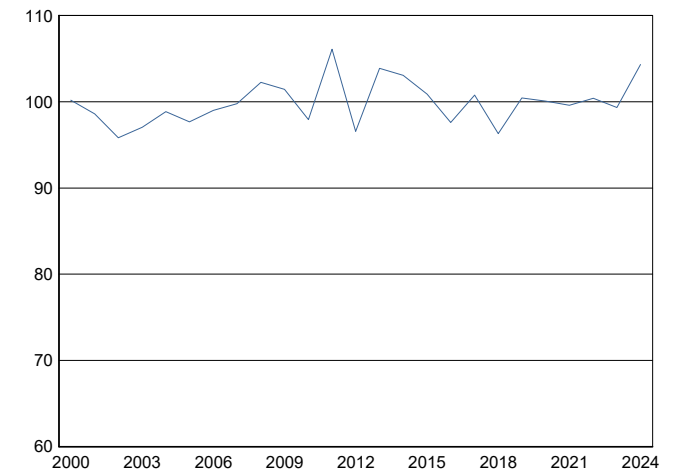
Final Score



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
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
MIDDELPOS BBD COVID		BREKER MENEER	4.49	103	106	82	91	90	92	85	105	94	85	97	94				
	2020	WOEKER BBD KATINKA		5	5	30	47	26	56	46	55	47	49	50	53				
CDH SMOKE		CDH CHAMP	8.99	88	112	80	95	97	89	90	94	93	103	105	97				
	2021	AUGUSTYN KIM		5	5	22	41	11	57	41	56	42	44	47	52				
MODESTO KING DAX		TARGUS RAM	8.57	65	112	94	100	101	79	104	94	97	107	99	97				
	2021	BODINGTON BOERBOEL ELEANOR		5	5	33	49	30	57	48	57	49	51	52	55				

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 Progeny	Litters Litters	Progeny Kennels	Hips Elbows	Progeny with litters
MES JAY	2016	GROENBERG BBD RAMBO LEESER MIEKE	6.31	102 36	95 46	106 60	88 60	114 43	94 71	109 59	114 70	113 60	105 62	105 64	109 67	26	4	5 5	1 1	2 1
BODINGTON BOERBOEL ELEANOR	2017	ALEXANDER BBD BLACK-KNIGHT KLEIN SANDFONTEIN JINXX	5.53	74 5	95 5	117 48	102 59	104 33	77 73	103 58	89 72	94 59	102 61	106 64	95 68	14	2	7 6		2 1
MODESTO KING 933000320828125	2022	BARBARIAN MOSES TOKARA TESSA I	9.01	120 5	103 5	104 5	96 22	115 5	85 34	110 21	119 34	123 22	108 24	100 27	111 30					
MODESTO KING 933000320827388	2022	BARBARIAN MOSES TOKARA TESSA I	9.01	120 5	103 5	104 5	96 22	115 5	85 34	110 21	119 34	123 22	108 24	100 27	111 30					

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	
GROENBERG BBD RAMBO		PIET-ZYN-DRIFT BASTRON I	5.76	129	93	99	119	134	90	129	106	119	123	134	123	352 64	166	44	42	154
	2011	MIDDELPOS BBD TESSA II		67	76	84	91	82	95	91	94	91	92	92	93		122			26
ALEXANDER BBD BLACK-KNIGHT		JANIEKA SWARTKAT	6.02	79	112	81	91	92	73	91	79	84	94	96	83	135 21	30			22
	2012	KLEIN SANDFONTEIN SANITA		5	5	58	69	44	82	69	81	70	72	74	78		27			12
BREKER MENEER		VOORSLAG BBD PIKSTEEL	3.84	96	107	77	72	80	81	75	111	102	84	94	92	126 22	56	1	1	36
	2015	BREKER NELLA		5	5	56	79	57	88	79	88	80	81	83	86		41			9
TARGUS RAM		SPITSVUUR BBD TOKARA DRIFTER	11.20	57	129	70	99	99	82	105	100	100	111	91	98	269 46	77	3	3	44
	2017	TARGUS RINA		14	30	60	82	62	90	82	90	83	84	85	88		56			14
CDH CHAMP		TARGUS BOM BOEL	11.62	95	110	77	94	115	82	112	107	110	119	110	110	13 2	4			
	2019	CDH MIA		5	5	39	59	37	73	59	72	60	62	64	68		4			
BARBARIAN MOSES		BLACK IRON GOTTI	10.16	115	101	94	89	123	76	122	129	136	116	98	117	16 2	5			1
	2019	BARBARIAN SPARTA		5	5	26	40	10	55	40	54	41	43	45	50		5			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-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips Elbows	
KLEIN SANDFONTEIN JINXX	2013	BELBUSK JEEP	2.47	69	78	149	82	91	79	95	88	93	90	90	85	35	4	12		7
		KLEIN SANDFONTEIN HOSANNA		31	30	60	65	42	78	64	77	65	67	70	74			6		1
LEESER MIEKE	2015	AFRIKA MALABU	5.86	95	104	112	78	95	100	77	111	98	80	86	93	25	2	8	1 1	7
		RHENOSTERSPRUIT MIEKE		11	27	46	62	38	76	61	75	63	65	67	72			7		1
WOEKER BBD KATINKA	2017	WOEKER BBD HANS	16.59	109	105	86	110	100	103	96	99	85	87	99	96	7	3	3		2
		MIDDELPOS BBD FIELA 3		5	5	47	59	33	74	59	73	60	62	64	69			3		1
BODINGTON BOERBOEL ELEANOR	2017	ALEXANDER BBD BLACK-KNIGHT	5.53	74	95	117	102	104	77	103	89	94	102	106	95	14	2	7		2
		KLEIN SANDFONTEIN JINXX		5	5	48	59	33	73	58	72	59	61	64	68			6		1
AUGUSTYN KIM	2017	MES PETROS	8.15	81	113	82	104	91	96	83	98	91	102	102	97	19	3	4		1
		AUGUSTYN ESTNA		5	5	44	47	18	61	46	60	47	50	52	57			4		1
TOKARA TESSA I	2020	MIDDELPOS BBD BUDDY I	7.88	125	104	113	104	106	93	99	109	109	100	103	105	6	1			
		AFRIKA MIEKE		5	5	31	41	18	52	40	51	42	43	45	48					

