

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 A. HEYNS & T. CILLIERS

PORTION 54 AND 55 PORTION 2 FARM 268 WELTEVREDE

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BLOEMHOF

2780



Kennel Number: 714128



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.

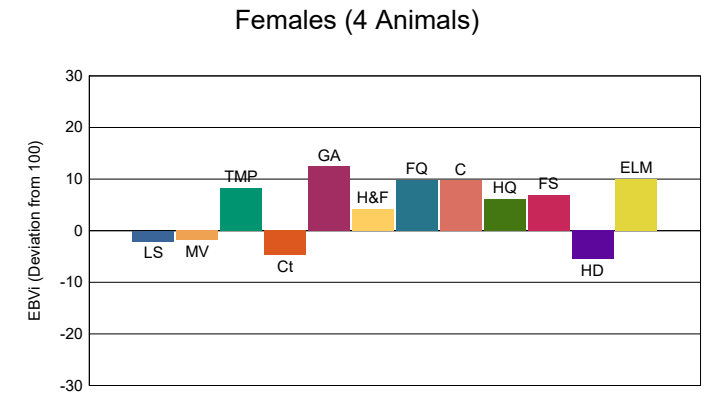
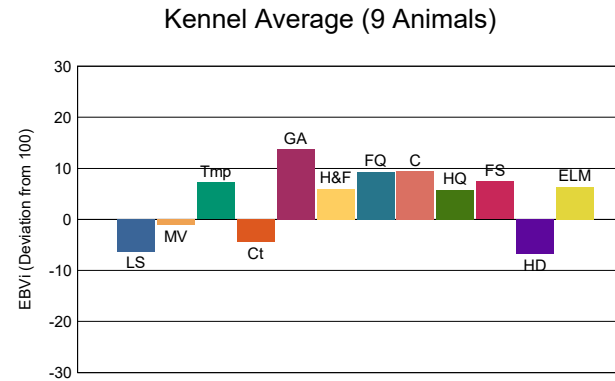
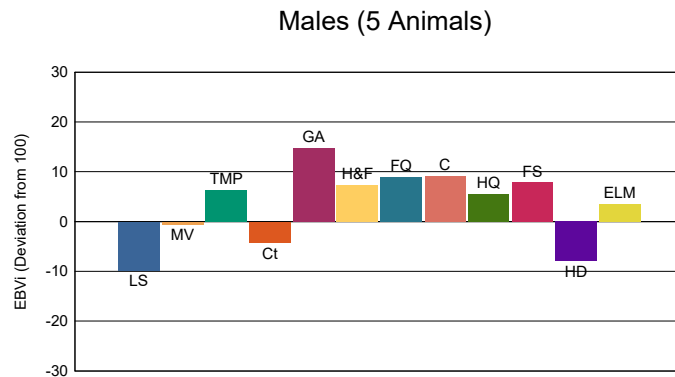
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	94	90	98
Movement (Mv)	99	99	98
Temperament (Tmp)	107	106	108
Coat (Ct)	96	96	95
General Appearance	114	115	112
Head & Face (H&F)	106	107	104
Front Quarter (FQ)	109	109	110
Centre (C)	109	109	110
Hind Quarter (HQ)	106	106	106
Final Score (FS)	107	108	107
Hip Health (HH)	93	92	95
Elbow Health (ELM)	106	104	110

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.

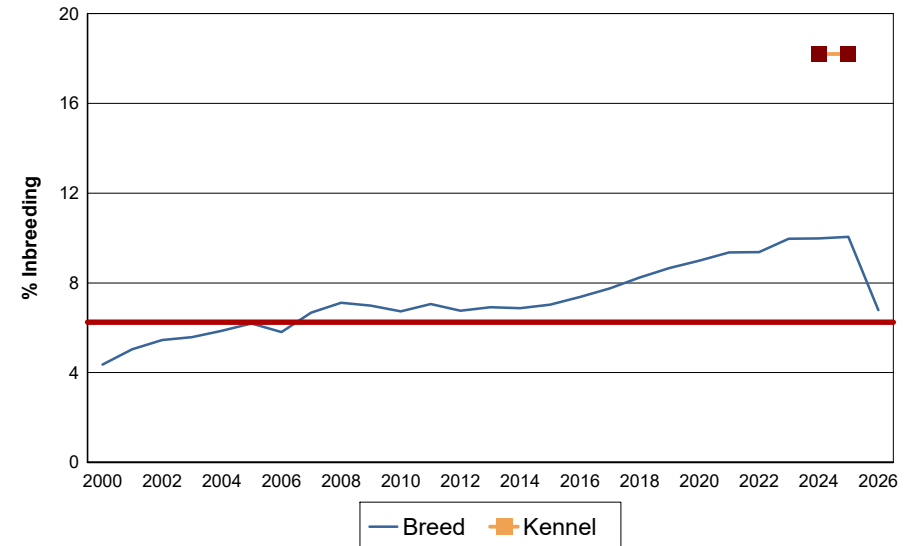
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

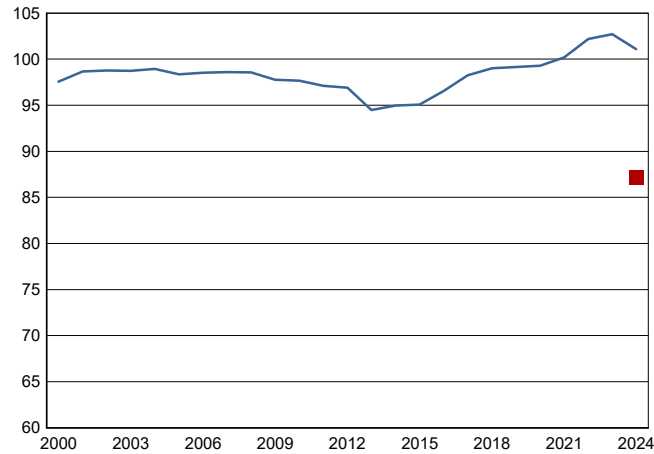


Inbreeding Levels

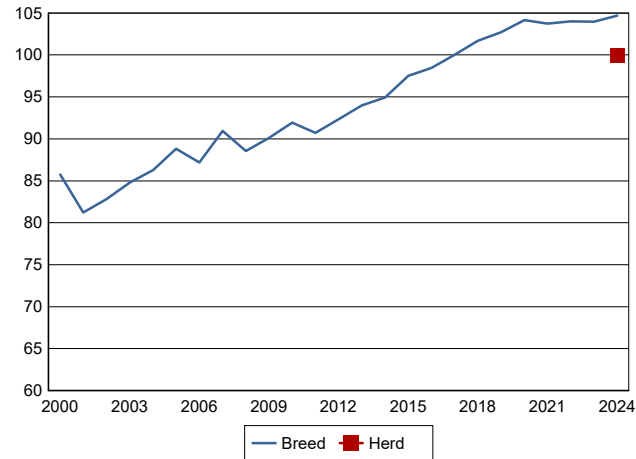
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	9	49007	5	25141	4	23857	5	3371	5	6287
Average Inbreeding	14.90	8.49	16.06	8.46	13.46	8.53	15.18	8.01	9.94	8.00
Number inbred	9	48727	5	24990	4	23728	5	24990	5	23728
Number >6.25% Inbr.	9	30600	5	15537	4	15058	5	15537	4	15058

Genetic Trends

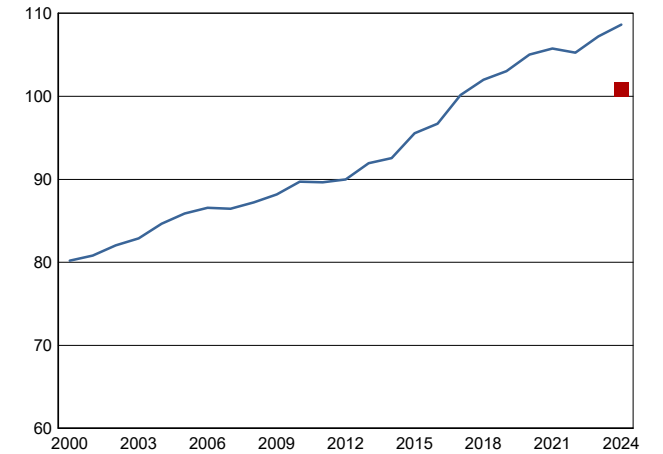
Litter Size



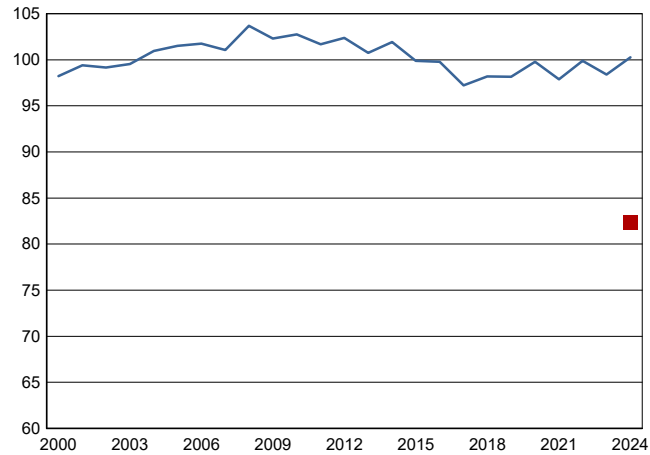
Movement



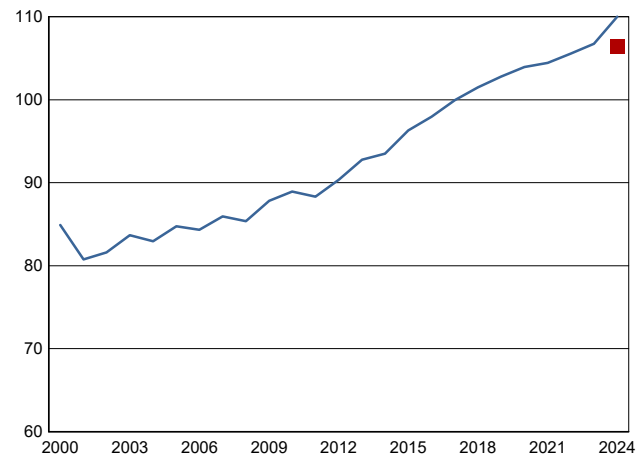
Temperament



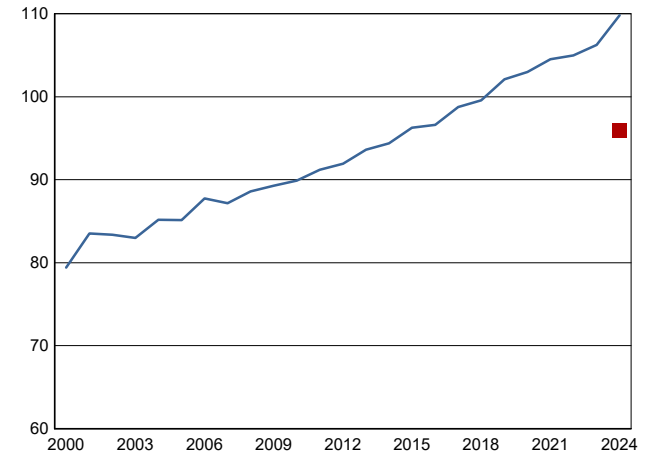
Coat



General Appearance

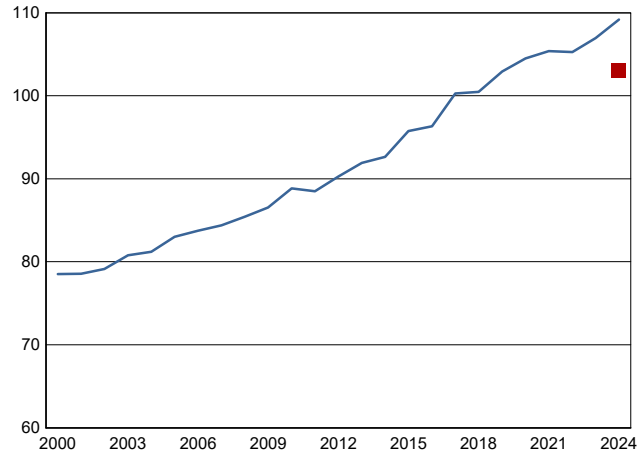


Head & Face

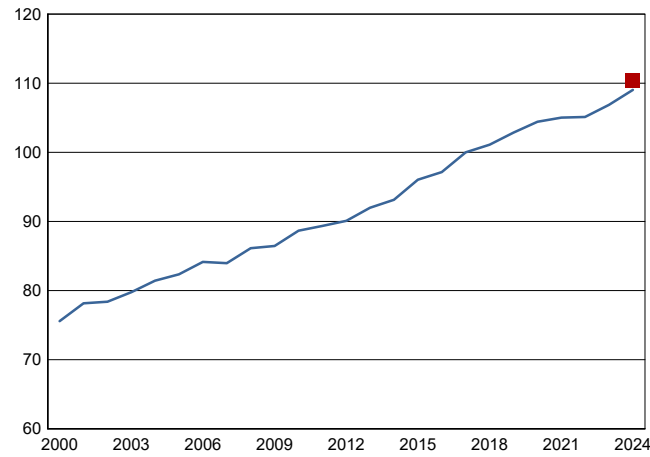


Genetic Trends

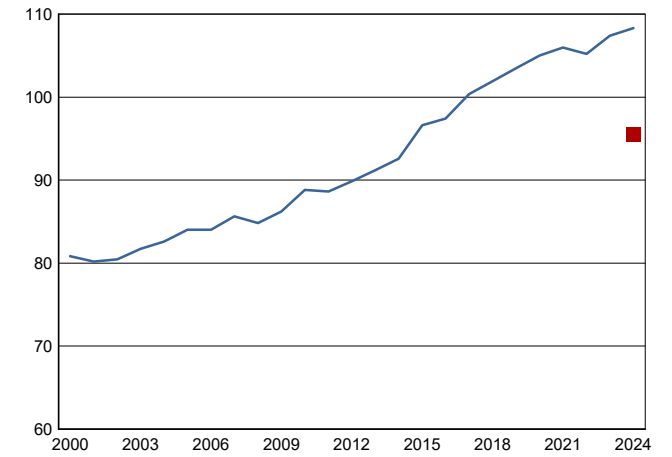
Front Quarter



Centre

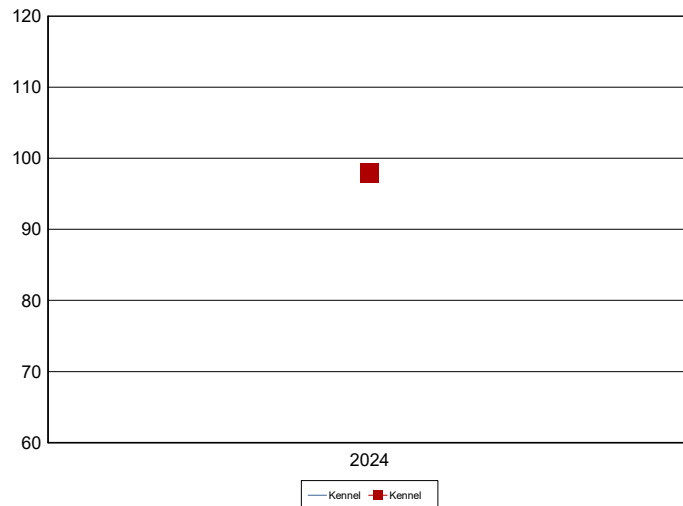


Hind Quarter

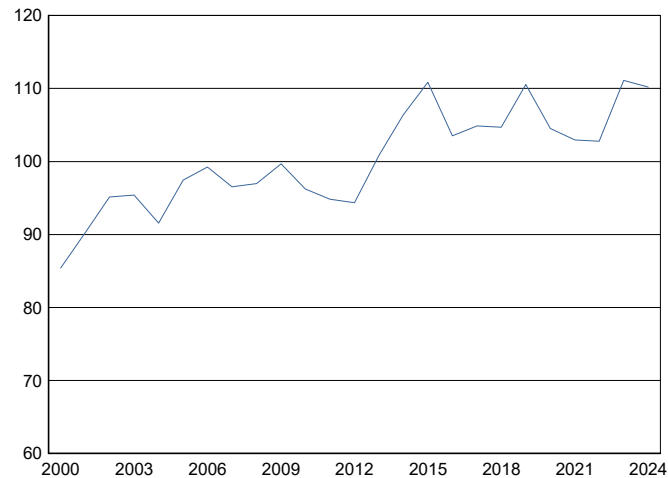


Final Score & Health Traits

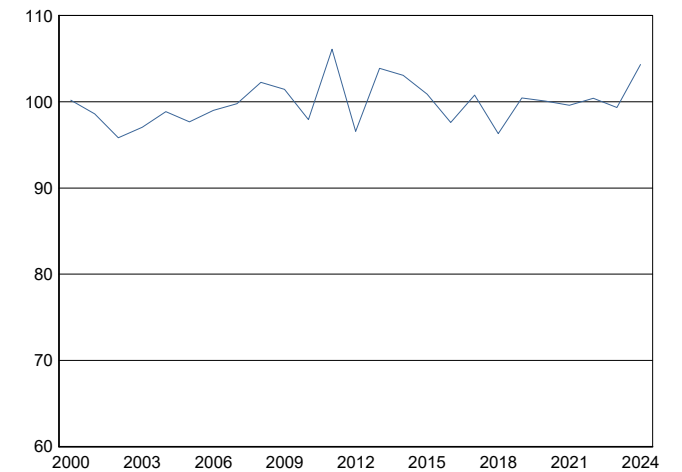
Final Score



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	Sire		Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	
	BYr	Dam	%	Acc.	Acc.		ment	rament		Appear.	Face	Quarter	Quarter	Score			Kennels			
BEYNS TINY		TARGUS RAM	18.20	68	115	87	104	98	86	99	97	104	108	90	96					
	2024	MAJOR LEAGUE SWEET GEORGIA GIRL		5	5	18	45	21	58	45	57	46	48	50	53					
BEYNS DUKE		TARGUS RAM	18.20	68	115	87	99	102	81	109	96	103	111	97	98					
	2025	MAJOR LEAGUE SWEET GEORGIA GIRL		5	5	18	42	18	51	41	50	42	44	45	48					
BRED ICE ICE BABY		KLEIN SANDFONTEIN MAJOR TOM	14.62	108	96	92	98	111	104			113	109							
	2025	KLEIN SANDFONTEIN ELLA		5	5	5	32	5	47		47	33	35	38	43					
BRED BRUCE WAYNE		KLEIN SANDFONTEIN MAJOR TOM	14.62	108	96	92	98	111	104			113	109							
	2025	KLEIN SANDFONTEIN ELLA		5	5	5	32	5	47		47	33	35	38	43					
BRED MORPHEUS		KLEIN SANDFONTEIN MAJOR TOM	14.62	108	96	92	98	111	104			113	109							
	2025	KLEIN SANDFONTEIN ELLA		5	5	5	32	5	47		47	33	35	38	43					

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
MAJOR LEAGUE SWEET GEORGIA GIRL	2021	TARGUS MURPHY	11.84	80	101	105	99	105	80	113	91	105	112	103	99	9	2	4		
		SPITSVUUR BBD QUINN		5	5	17	39	5	56	39	55	40	42	45	50			4		
MIDDELPOS BBD LILY	2021	MIDDELPOS BBD GAMKA	13.04	126	129	107	90	110	106	100	112	115	100	107	109					
		CDH LULU I		5	5	28	51	28	64	51	63	52	54	56	60					
BEYNS DUTCHESS	2025	TARGUS RAM	18.20	68	115	87	99	102	81	109	96	103	111	97	98					
		MAJOR LEAGUE SWEET GEORGIA GIRL		5	5	18	42	18	51	41	50	42	44	45	48					
HOUDLAND SHADOW	2025	BRED LUCKY TOM	10.74	104	95	93	105	116	114		118	117	115	117	121					
		HOUDLAND LILO		5	5	5	17	5	33		33	18	21	23	28					

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 RAM		SPITSVUUR BBD TOKARA DRIFTER	11.20	57	129	70	99	99	82	105	100	100	111	91	98	269 46	77 56	3 3		44	
	2017	TARGUS RINA		14	30	60	82	62	90	82	90	83	84	85	88					14	
MIDDELPOS BBD GAMKA		AFRIKA LEO 5	18.20	138	139	100	78	117	89	106	133	133	109	106	118	137 29	57 42	5 6		38	
	2017	MIDDELPOS BBD DIXIE		34	50	56	81	60	89	80	89	81	83	84	87					9	
TARGUS MURPHY		TARGUS BOM BOEL	19.47	80	110	98	99	111	87	107	93	108	112	106	102	14 2	3 3			3	
	2019	TOKARA KENDALL		5	5	36	57	31	70	56	70	57	59	62	66					1	
KLEIN SANDFONTEIN MAJOR TOM		KLEIN SANDFONTEIN RASPUTIN	12.42	104	102	93	86	105	94	119	107	107	101	98	102	58 8	11 9			8	
	2020	MES O` HARA		5	5	36	57	25	74	56	73	58	60	63	68					2	
BRED LUCKY TOM		KLEIN SANDFONTEIN MAJOR TOM	14.62	108	96	92	103	114	116	125	114	113	107	117	117	7 1					
	2024	KLEIN SANDFONTEIN ELLA		5	5	5	43	5	63	42	62	44	47	50	56						

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	
SPITSVUUR BBD QUINN	2018	SPITSVUUR BBD BENTLY	8.54	79	92	107	93	94	81	110	89	99	105	95	92	19	3	7			4
		SPITSVUUR BBD QUINCY		5	5	32	50	21	68	49	67	51	53	56	62			6			1
CDH LULU I	2019	AFRIKA BUCKSTEEN	5.08	114	120	115	113	106	119	94	94	101	96	106	102	9	1	5			1
		CDH BARBIE		5	5	45	54	31	67	54	66	55	57	59	63			3			1
MAJOR LEAGUE SWEET GEORGIA GIRL	2021	TARGUS MURPHY	11.84	80	101	105	99	105	80	113	91	105	112	103	99	9	2	4			
		SPITSVUUR BBD QUINN		5	5	17	39	5	56	39	55	40	42	45	50			4			
KLEIN SANDFONTEIN ELLA	2022	MES RETIEF	12.68	112	91	91	110	116	114	125	123	119	117	129	127	11	2	1			1
		KLEIN SANDFONTEIN NEVAEH		5	5	39	50	23	67	50	66	51	53	56	61			1			1
HOUDLAND LILO	2023	WESTPOINT HITLER	11.57	100	95	94	107	118	112	130	122	121	123	117	125	10	2				
		GATEKEEPER LONDON		5	5	5	26	5	39	33	38	27	29	31	35						

