

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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POSBUS 1380

0

LICHTENBURG

2740



Kennel Number: 608126



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.

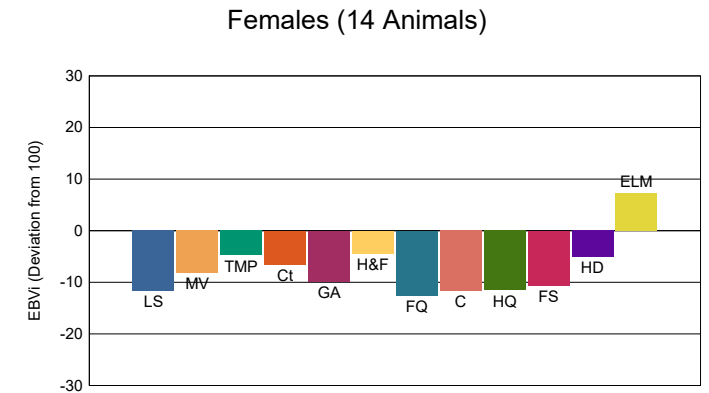
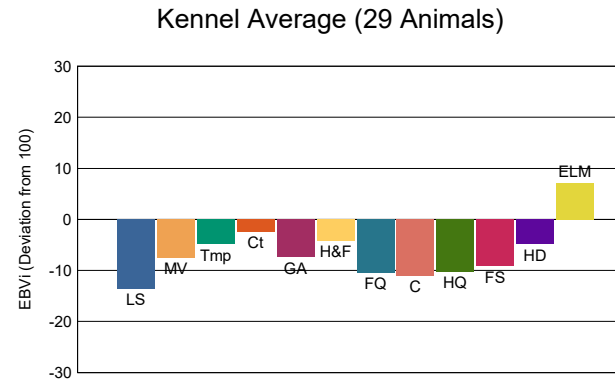
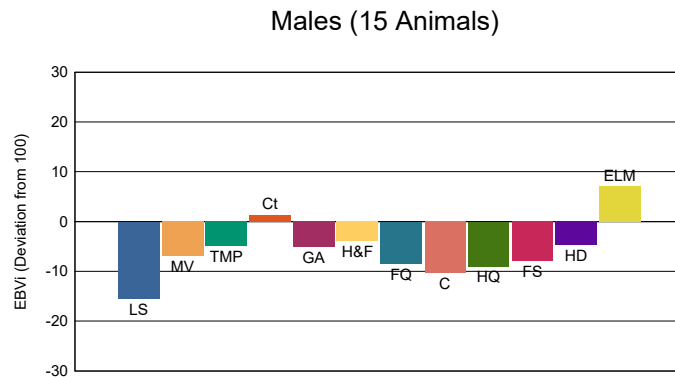
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	86	85	88
Movement (Mv)	93	93	92
Temperament (Tmp)	95	95	95
Coat (Ct)	98	101	93
General Appearance	93	95	90
Head & Face (H&F)	96	96	96
Front Quarter (FQ)	90	92	87
Centre (C)	89	90	88
Hind Quarter (HQ)	90	91	89
Final Score (FS)	91	92	89
Hip Health (HH)	95	95	95
Elbow Health (ELM)	107	107	107

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.

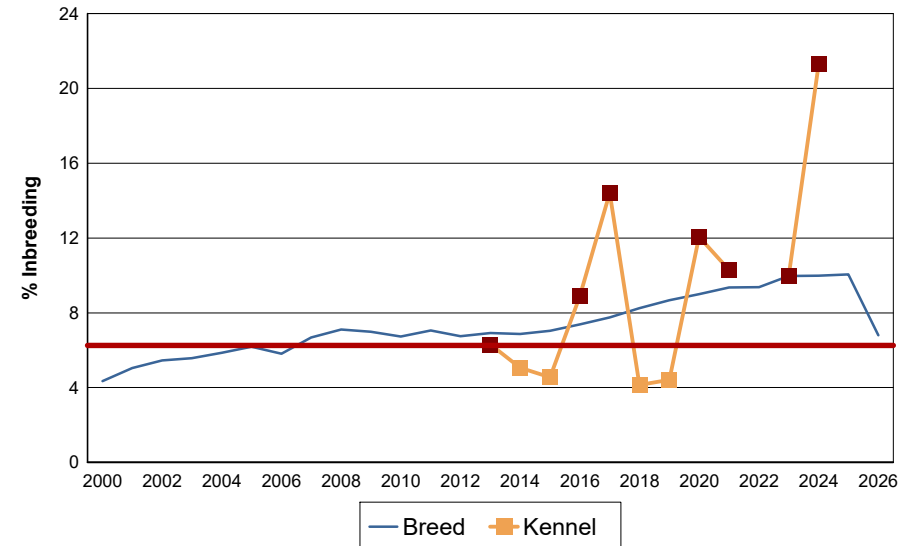
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

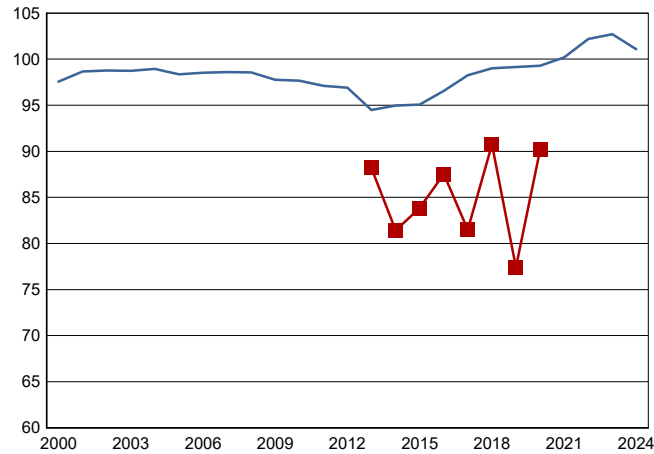


Inbreeding Levels

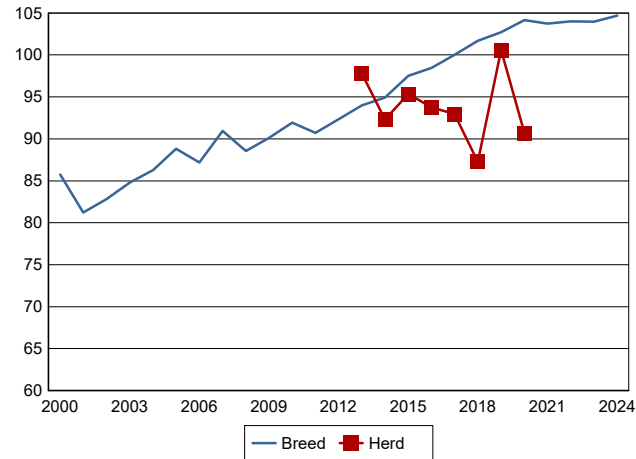
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	29	49007	15	25141	14	23857	9	3371	12	6287
Average Inbreeding	10.05	8.49	10.12	8.46	9.97	8.53	5.55	8.01	5.85	8.00
Number inbred	29	48727	15	24990	14	23728	9	24990	12	23728
Number >6.25% Inbr.	16	30600	10	15537	6	15058	2	15537	3	15058

Genetic Trends

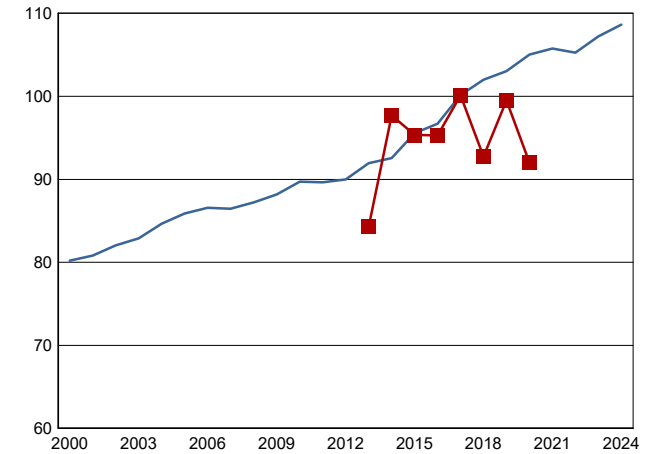
Litter Size



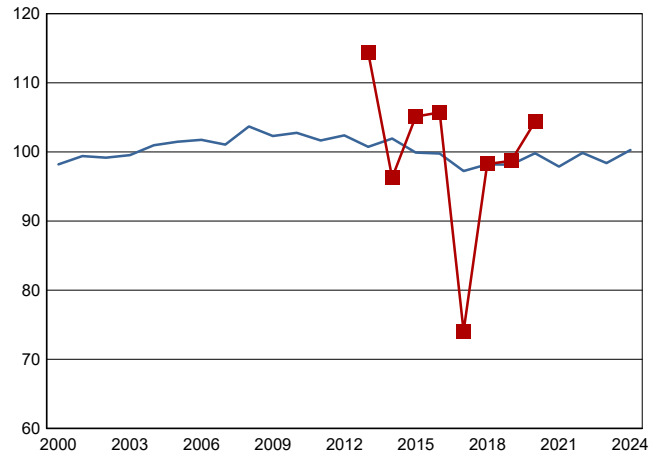
Movement



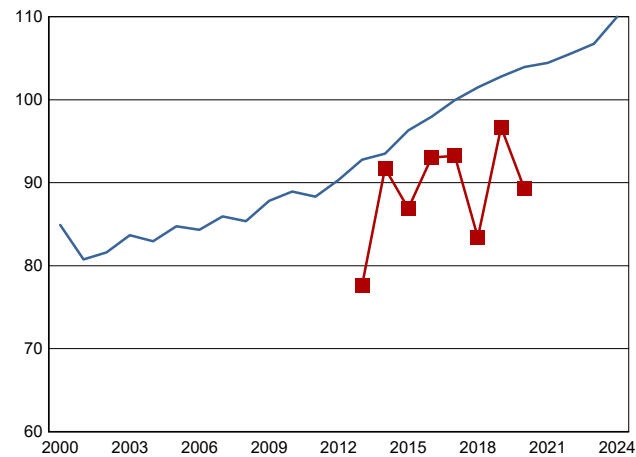
Temperament



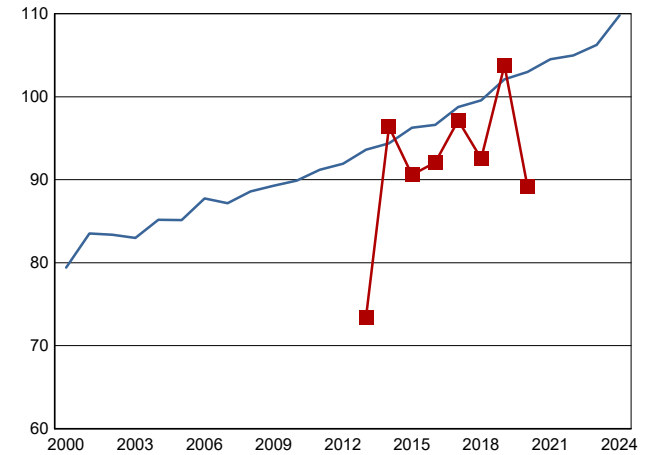
Coat



General Appearance

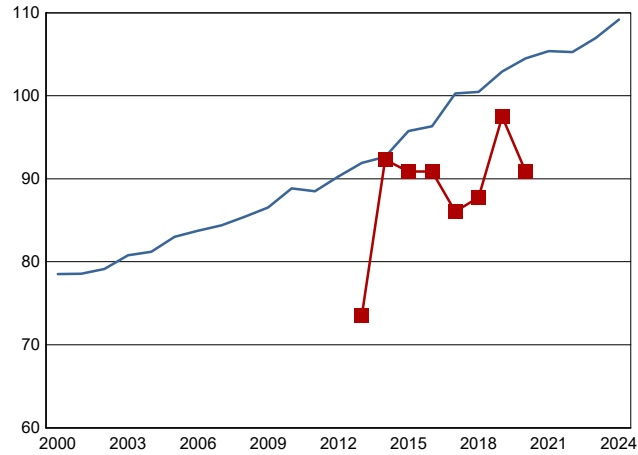


Head & Face

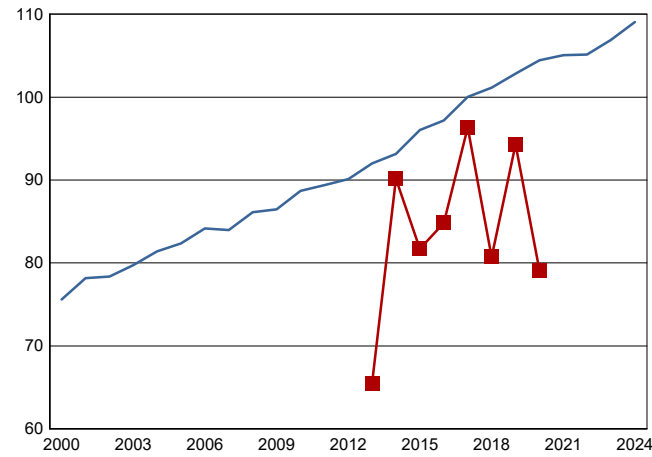


Genetic Trends

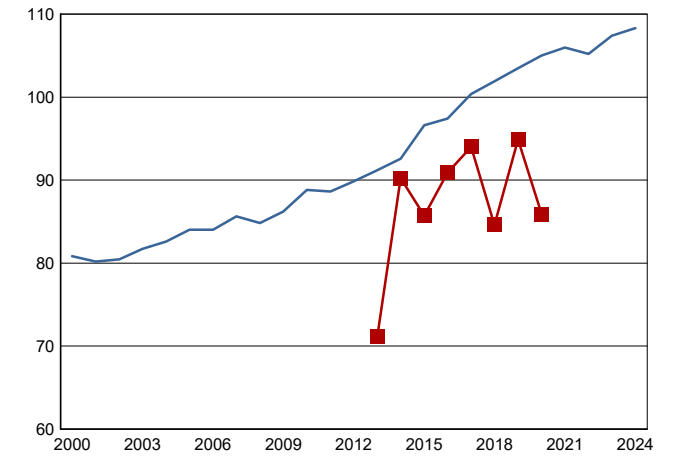
Front Quarter



Centre

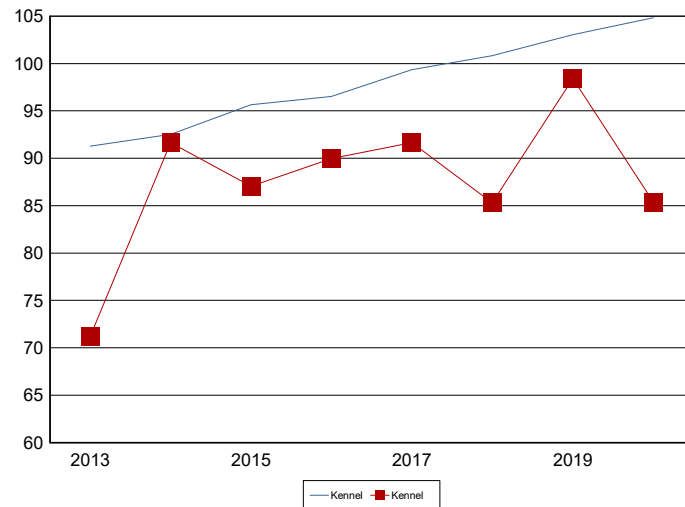


Hind Quarter

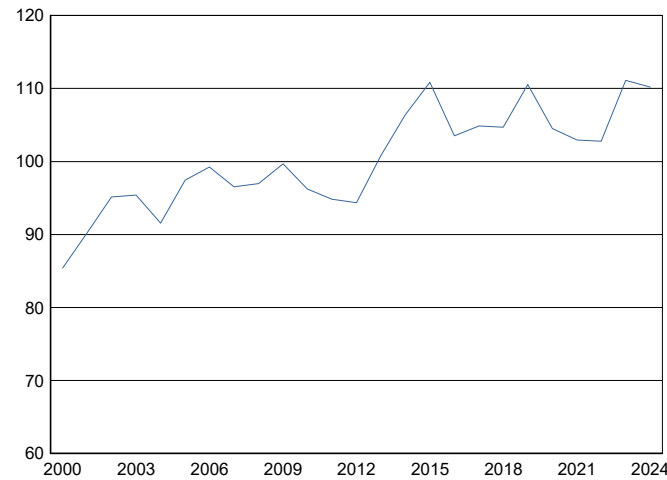


Final Score & Health Traits

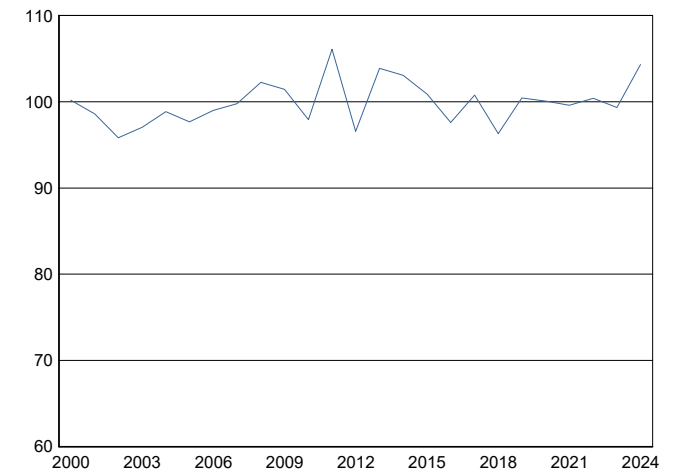
Final Score



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 with litters
Name	Sire BYr Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move- ment	Tempe- rument	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
JAC-LEE GENERAAL	GIANTS OF AFRICA MUFASA II	4.02	99	94	81	92	92	117	93	96	104	79	88	91	51	12	10			8
	2014 KRYGER BBD KLARA		5	5	27	55	24	72	54	71	56	58	61	67			8			1
JAC-LEE PUMBA	GIANTS OF AFRICA MUFASA II	4.02	99	94	80	91		115	94	99	107	83	88	94	23	5	2			2
	2014 KRYGER BBD KLARA		5	5	26	39		54	39	54	40	42	45	49			1			1
JAC-LEE ZULU KING	MES ALDOR	7.72			80	82	97	94	100	98	83	102	97	95	23	6	2			2
	2014 MIGHTY BBD QUEEN				35	51	24	67	50	66	51	54	56	61			1			1
JAC-LEE ADOLF	JAC-LEE GENERAAL	4.79	97	106	77	94	96	101	93	98	95	87	91	93						
	2018 JAC-LEE MEISIE		5	5	14	29	5	42	28	41	29	31	34	38						
CAVIN REGAL BOELZAI	MAKARIOS BBD EINSTEIN	6.84	77	112	103	79	86	115	97	81	80	91	86	84	3	1				
	2018 SA EXTREME NIKITA		5	5	26	55	31	69	54	68	56	58	60	64						
JAC-LEE BJORN	JAC-LEE GENERAAL	4.79	97	106	77	101	100	99	97	104	98	94	95	98	22	5				
	2019 JAC-LEE MEISIE		5	5	14	41	5	61	40	59	42	44	47	54						
JAC-LEE BIGBOY	JAC-LEE GENERAAL	4.02	96	102	90	91	92	108	93	91	92	82	87	88						
	2020 JAC-LEE QUEENIE		5	5	12	29	5	44	28	43	29	32	34	39						
JAC-LEE TIGER	JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
	2023 JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						
JAC-LEE RUBEN	JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
	2023 JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						

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	
JAC-LEE ORIO		JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
	2023	JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						
JAC-LEE TOKYO		JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
	2023	JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						
JAC-LEE OORTJIES		JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
	2023	JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						
JAC-LEE JACQIE		JAC-LEE BJORN	14.26	98	108	84	96	93	89	93	97	90	89	91	91						
	2023	KAHIRA ROXY		5	5	5	5	5	33	5	32	5	9	16	25						
JAC-LEE BARCUS		JAC-LEE BJORN	28.83	96	112	76	99	100	92	95	102	91	95	94	96						
	2024	JAC-LEE MEISIE		5	5	5	5	5	5	5	5	5	5	5	5						
JAC-LEE BULLETJIE		JAC-LEE BJORN	28.83	96	112	76	99	100	92	95	102	91	95	94	96						
	2024	JAC-LEE MEISIE		5	5	5	5	5	5	5	5	5	5	5	5						

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	
JAC-LEE BRUNETTE	2014	SOL ET SOLEIL SNOTKOP	4.56	94	100	101	87	93	92	82	97	84	88	73	84						
		ZELLEY CONNIE		5	5	19	26	5	38	26	37	27	29	31	34						
JAC-LEE QUEEN KATHRYN	2015	JAC-LEE PUMBA	3.81	100	91	93	93	96	119	92	101	101	83	85	94		1				
		NOTORIOUS BBD IMPI IVY		5	5	26	40	7	59	39	58	41	43	46	52						
JAC-LEE MEISIE	2015	SOL ET SOLEIL SNOTKOP	5.75	95	119	74	97	100	86	92	100	85	96	94	94	14	3	1			1
		MIGHTY BBD QUEEN		5	5	39	34	5	49	34	48	35	37	40	44			1			1
JAC-LEE QUEENIE	2016	JAC-LEE ZULU KING	2.85	94	109	100	90	92	100	94	86	79	85	86	84	21	6	1			
		JAC-LEE KARLIENTJIE		5	5	41	42	9	62	42	61	43	46	49	55			1			
JAC-LEE POPPY	2016	JAC-LEE PUMBA	4.24	96	112	80	93	100	102	98	102	101	90	100	98	4	2				
		MIGHTY BBD QUEEN		5	5	30	37	5	58	36	56	38	41	44	50						
JAC-LEE LARA	2017	JAC-LEE ZULU KING	23.93	96	119	81	89	102	60	94	96	78	105	101	92						
		JAC-LEE SHIWA		5	5	5	31	5	59	30	57	33	37	42	50						
JAC-LEE RUBY	2018	JAC-LEE GENERAAL	2.41	89	98	100	80	92	72	75	90	84	75	77	77						
		SUMSARE JET		5	5	23	45	16	64	45	63	46	49	52	57						
JAC-LEE ROSE	2018	JAC-LEE GENERAAL	2.41	89	98	100	86	86	115	73	88	81	70	78	79	3	1				
		SUMSARE JET		5	5	23	45	16	64	45	63	46	49	52	57						
KAHIRA ROXY	2019	HEINEMAN AKELA	5.76	99	109	91	91	86	80	89	90	83	85	86	83	2	1				
		JAC-LEE SHIRA		5	5	5	38	5	59	37	57	39	42	45	51						
JAC-LEE OROS	2023	JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
		JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						
JAC-LEE LULU	2024	JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
		JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						

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	
JAC-LEE TESSA	2024	JAC-LEE BJORN	8.74	95	108	89	95	96	99	95	95	88	90	91	91						
		JAC-LEE QUEENIE		5	5	5	15	5	37	14	35	17	20	24	30						
JAC-LEE LUSSIE	2024	JAC-LEE BJORN	28.83	96	112	76	99	100	92	95	102	91	95	94	96						
		JAC-LEE MEISIE		5	5	5	5	5	5	5	5	5	5	5	5						
JAC-LEE LOGAN	2024	JAC-LEE BJORN	28.83	96	112	76	99	100	92	95	102	91	95	94	96						
		JAC-LEE MEISIE		5	5	5	5	5	5	5	5	5	5	5	5						

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		
MES ALDOR		MIGHTY BBD BUGATTI	3.84	101	110	58	81	109	102	110	125	104	110	92	110	104 21	33 29	9	5	23 9	
	2011	KLEIN SANDFONTEIN KELLY I		38	41	61	74	53	85	74	84	75	77	78	82						
GIANTS OF AFRICA MUFASA II		PINNACLE BBD HAVOC	8.44	103	93	72	88	89	116	95	110	105	83	76	94	18 4	3 3			4 1	
	2012	PIET-ZYN-DRIFT DIDI		25	15	48	55	32	68	54	67	55	57	59	63						
SOL ET SOLEIL SNOTKOP		MES ALDOR	5.48	97	108	76	92	99	91	86	102	84	91	76	88	53 8	8 7			7 2	
	2012	MES CLEO		15	5	43	52	28	65	51	65	52	54	57	61						
JAC-LEE PUMBA		GIANTS OF AFRICA MUFASA II	4.02	99	94	80	91		115	94	99	107	83	88	94	23 5	2 1			2 1	
	2014	KRYGER BBD KLARA		5	5	26	39		54	39	54	40	42	45	49						
JAC-LEE GENERAAL		GIANTS OF AFRICA MUFASA II	4.02	99	94	81	92	92	117	93	96	104	79	88	91	51 12	10 8			8 1	
	2014	KRYGER BBD KLARA		5	5	27	55	24	72	54	71	56	58	61	67						
JAC-LEE ZULU KING		MES ALDOR	7.72			80	82	97	94	100	98	83	102	97	95	23 6	2 1			2 1	
	2014	MIGHTY BBD QUEEN				35	51	24	67	50	66	51	54	56	61						
MAKARIOS BBD EINSTEIN		SPITSVUUR BBD TOKARA DRIFTER	6.03	55	124	105	87	91	107	101	84	89	114	103	95	37 6	14 8			9 2	
	2014	MAKARIOS BBD DOMINO		21	29	43	67	44	79	66	78	67	69	71	75						
HEINEMAN AKELA		AFRIKA MOJO	5.58	101	112	101	89	76	93	90	87	81	91	93	85	7 1	1 1			1 1	
	2017	HEINEMAN ZHARA		5	5	28	46	20	62	46	61	47	49	52	57						
JAC-LEE BJORN		JAC-LEE GENERAAL	4.79	97	106	77	101	100	99	97	104	98	94	95	98	22 5					
	2019	JAC-LEE MEISIE		5	5	14	41	5	61	40	59	42	44	47	54						

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	
MIGHTY BBD QUEEN	2009	MIGHTY BBD DUKKAH	7.11	93	129	84	94	98	84	94	92	83	95	108	94	18	3	5			5
		MIGHTY BBD SURI		36	27	41	38	5	55	38	54	39	42	45	50			3			1
SUMSARE JET	2011	SUMSARE NIGHTRIDER	2.22	80	101	119	75	89	72	59	84	66	77	65	69	24	5	7	1		5
		EGOLI BBD SUE		38	5	47	56	29	72	55	71	56	59	62	67			5			2
KRYGER BBD KLARA	2012	CABARET RAMKAT	15.65	96	95	87	102	99	101	92	81	107	86	104	92	28	4	4			6
		MES MAYA		5	5	26	46	5	66	45	65	47	50	53	60			4			1
ZELLEY CONNIE	2013	KLEIN SANDFONTEIN TJAKA II	2.71	92	93	125	81	87	94	77	93	84	84	70	80	16	2				
		SUMSARE JET		13	5	31	34	8	46	33	45	35	36	38	42						
NOTORIOUS BBD IMPI IVY	2013	ANDERSON BBD BLADE	3.86	101	88	97	110	108	104	98	102	101	93	94	100	16	2	2			1
		ANDERSON BBD TOKYO		5	5	37	43	23	55	43	54	44	46	48	51			2			1
SA EXTREME NIKITA	2013	CABARET TYLO	5.58	99	101	102	66	88	111	102	81	84	80	69	76	43	5	15			12
		NEL'S BOERBOELS SANDY		5	5	41	63	38	76	63	75	64	66	68	72			14			1
JAC-LEE KARLIENTJIE	2013	JANIEKA VINCE	8.18	91	99	80	100	87	115	81	83	83	70	77	79	16	5	2			2
		LION BBD NIKITA		5	5	49	47	9	65	46	64	48	50	53	59			2			1
JAC-LEE SHIWA	2014	SOL ET SOLEIL SNOTKOP	5.75	95	119	83	95	104	70	92	93	82	99	95	90	31	5	5			5
		MIGHTY BBD QUEEN		5	5	46	49	18	68	49	67	50	53	56	62			5			1
JAC-LEE MEISIE	2015	SOL ET SOLEIL SNOTKOP	5.75	95	119	74	97	100	86	92	100	85	96	94	94	14	3	1			1
		MIGHTY BBD QUEEN		5	5	39	34	5	49	34	48	35	37	40	44			1			1
JAC-LEE QUEENIE	2016	JAC-LEE ZULU KING	2.85	94	109	100	90	92	100	94	86	79	85	86	84	21	6	1			
		JAC-LEE KARLIENTJIE		5	5	41	42	9	62	42	61	43	46	49	55			1			
JAC-LEE SHIRA	2017	JAC-LEE GENERAAL	4.79	97	106	82	97	99	89	93	98	94	88	87	91	7	1	1			1
		JAC-LEE SHIWA		5	5	20	42	5	60	41	58	43	45	48	54			1			1
KAHIRA ROXY	2019	HEINEMAN AKELA	5.76	99	109	91	91	86	80	89	90	83	85	86	83	2	1				
		JAC-LEE SHIRA		5	5	5	38	5	59	37	57	39	42	45	51						

