

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 LAMA BOERBOELS

MIDDLEDRIFT

CILDARA LOCATION

KING WILLIAMS TOWN

5685



Kennel Number: 702175



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.

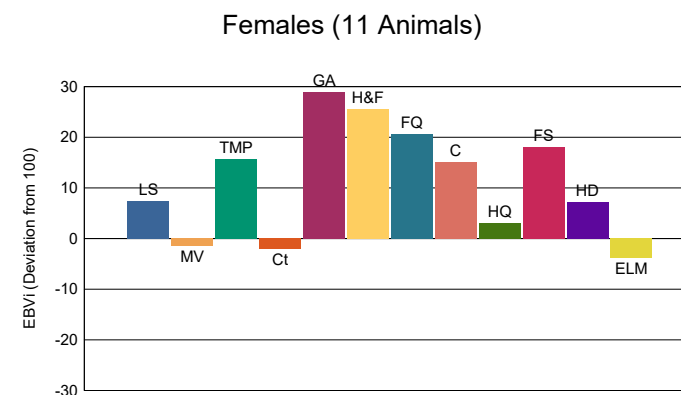
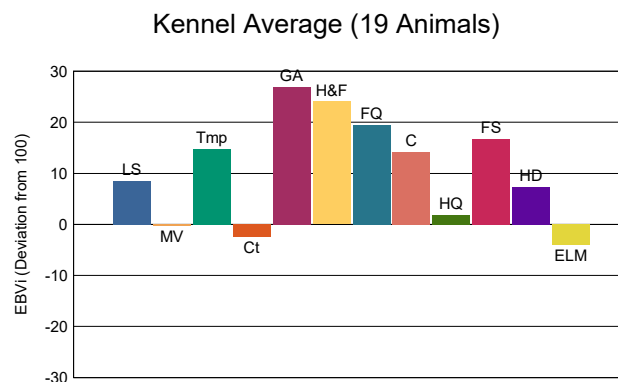
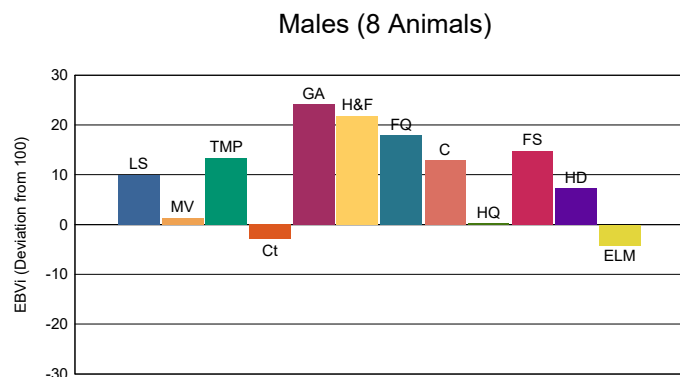
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	108	110	107
Movement (Mv)	100	101	99
Temperament (Tmp)	115	113	116
Coat (Ct)	98	97	98
General Appearance	127	124	129
Head & Face (H&F)	124	122	126
Front Quarter (FQ)	119	118	121
Centre (C)	114	113	115
Hind Quarter (HQ)	102	100	103
Final Score (FS)	117	115	118
Hip Health (HH)	107	107	107
Elbow Health (ELM)	96	96	96

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.

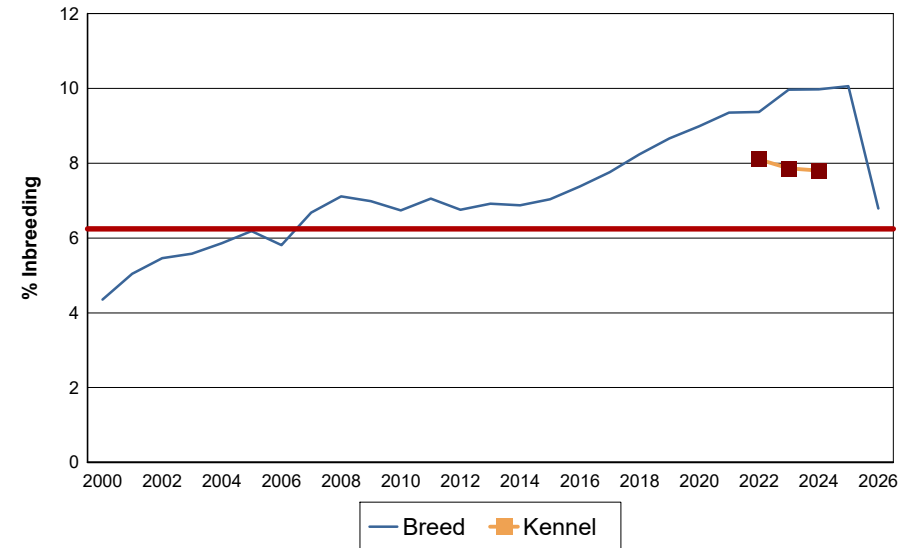
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

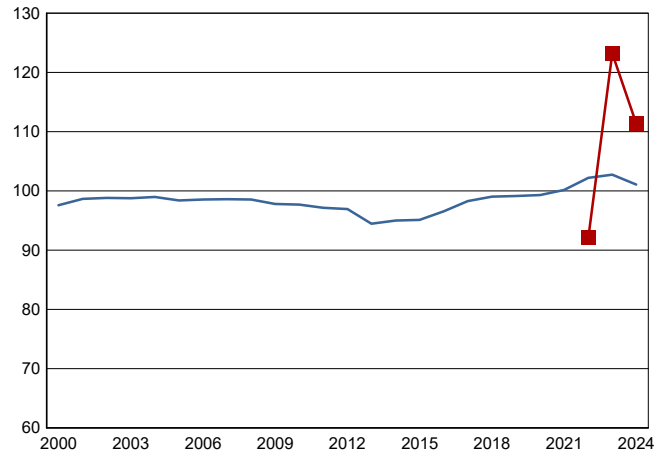


Inbreeding Levels

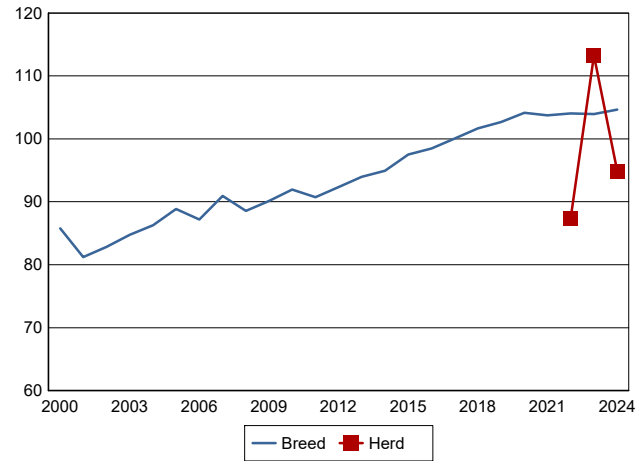
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	19	49007	8	25141	11	23857	7	3371	7	6287
Average Inbreeding	7.87	8.49	7.59	8.46	8.07	8.53	6.51	8.01	9.66	8.00
Number inbred	19	48727	8	24990	11	23728	7	24990	7	23728
Number >6.25% Inbr.	18	30600	7	15537	11	15058	4	15537	6	15058

Genetic Trends

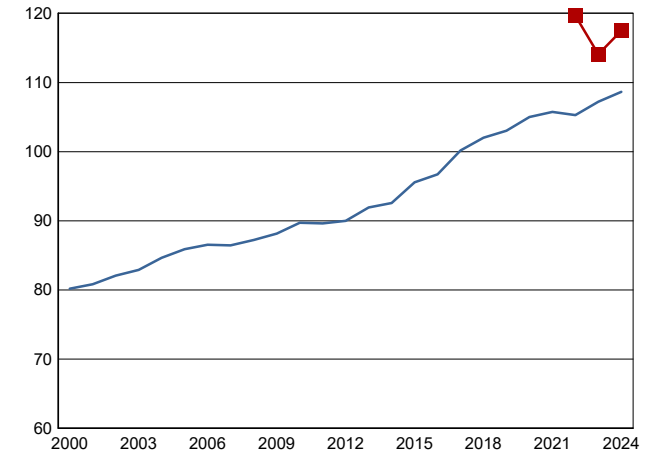
Litter Size



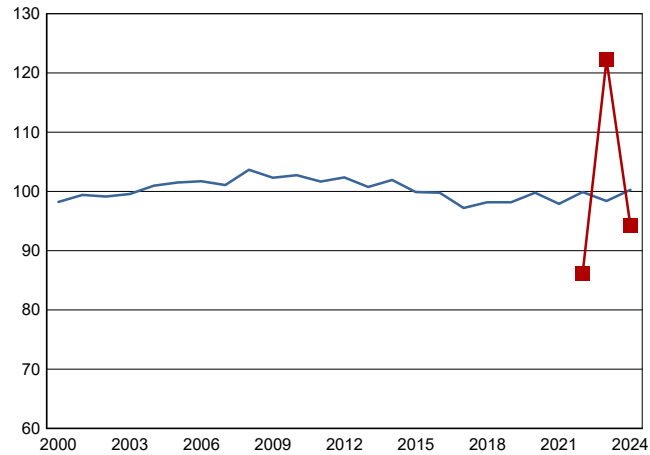
Movement



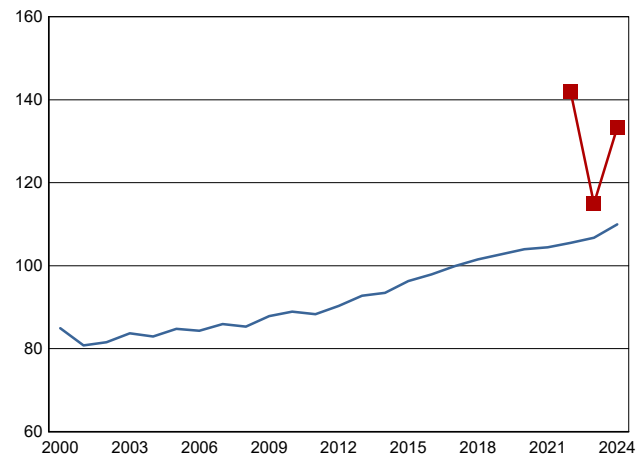
Temperament



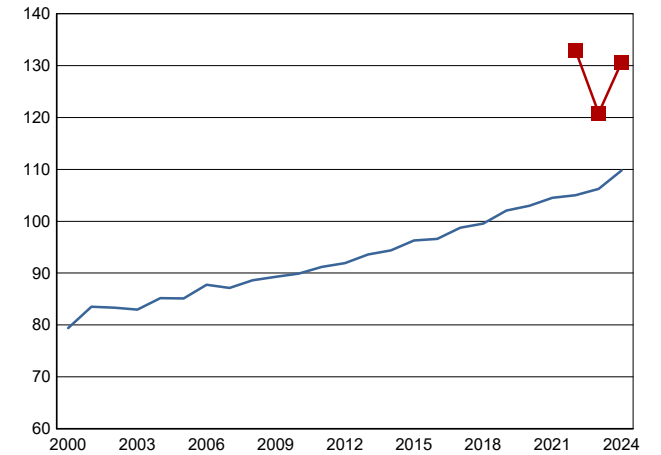
Coat



General Appearance

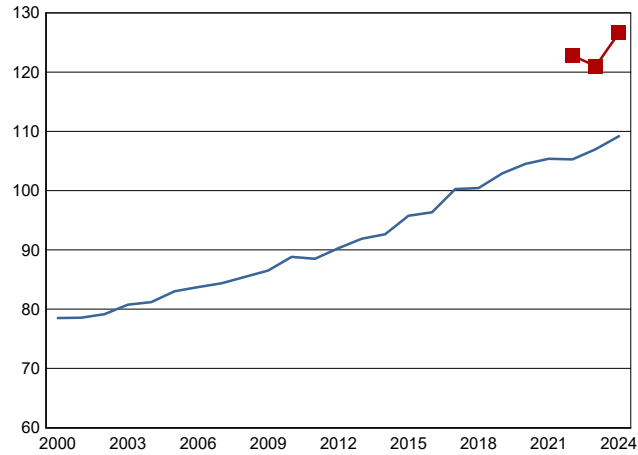


Head & Face

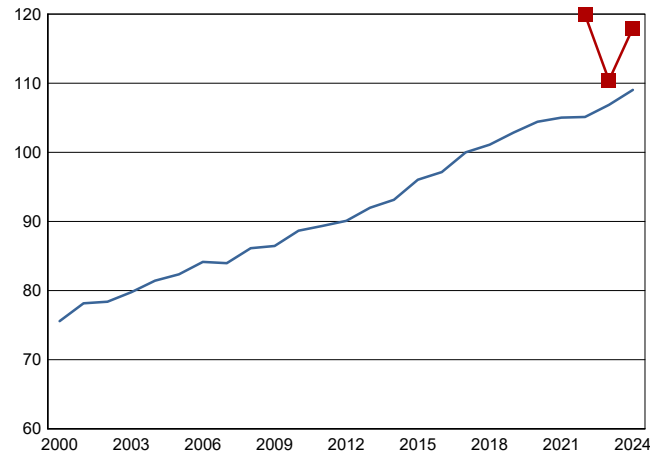


Genetic Trends

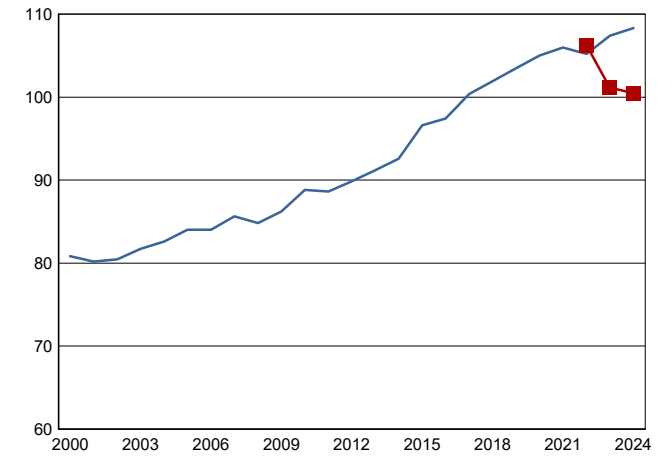
Front Quarter



Centre

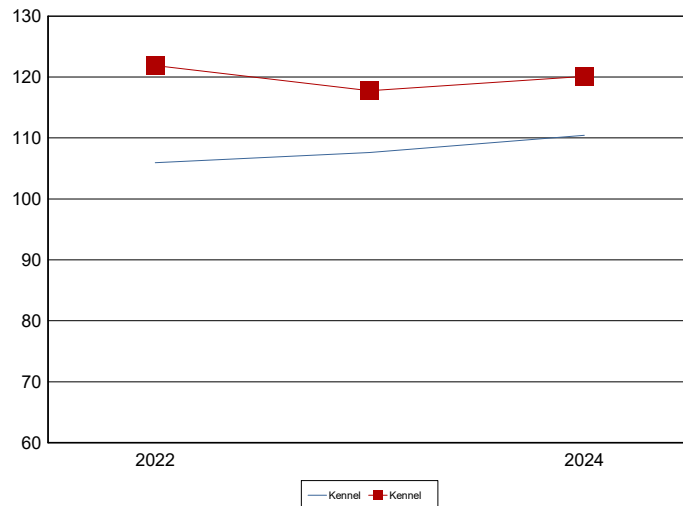


Hind Quarter

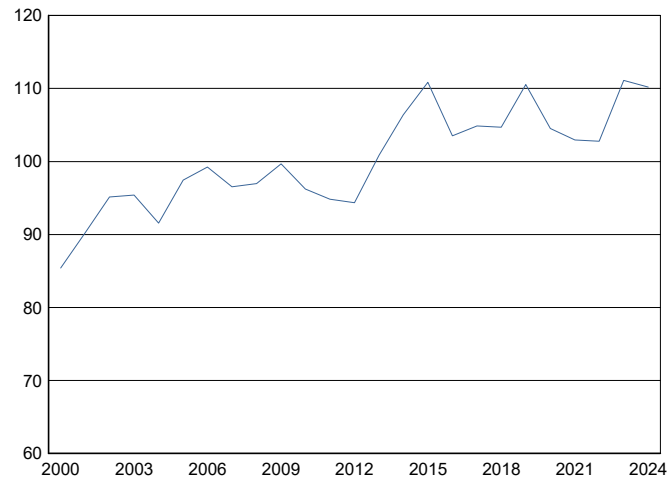


Final Score & Health Traits

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	
FONT BOERBOELS KENZO		FONT BOERBOELS MIGHTY BULLET	6.19	93	105	111	111	103	80	105	95	95	105	107	100	15	1				
	2017	FONT BOERBOELS KIARA		5	5	25	37	9	50	36	49	38	40	42	46						
BASJAN NELSON		AFRIKA DOPPIES	7.00	119	96	131	104	112	117	120	125	125	111	90	115	21	3	5			
	2021	AFRIKA OUNOOI		5	5	29	53	26	69	52	68	54	56	59	64			5			
LAMA ZULU		ROKAFELA KABAKA	8.63	102	93	92	91	118	86	135	127	119	118	106	119						
	2022	MIDDELPOS BBD MOLLY		5	5	5	29	5	43	28	42	30	32	34	38						
LAMA LAMA		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
	2024	LAMA DUDU		5	5	5	27	5	42	26	41	28	30	33	38						
LAMA SAV		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
	2024	LAMA DUDU		5	5	5	27	5	42	26	41	28	30	33	38						
LAMA ADV M		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
	2024	LAMA DUDU		5	5	5	27	5	42	26	41	28	30	33	38						
LAMA AVELA		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
	2024	LAMA DUDU		5	5	5	27	5	42	26	41	28	30	33	38						
AMAYIRHA OLIVER-TWIST		ZADER HUGO	6.41	103	94	100	124	111	99	110	115	109	109	103	112						
	2024	LOMBARD SUPERIOR ECHO		5	5	6	28	5	41	27	40	28	30	33	37						

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	
MIDDELPOS BBD MOLLY		AFRIKA JACK 3	8.40	115	101	93	94	113	88	135	136	126	120	104	122	9	1	3		2	
2021	MIDDELPOS BBD MILLY 5			5	14	11	46	16	63	45	62	47	49	52	57			2	1		
LAMA GCINUMZI THE HOUSE KEEPER		FONT BOERBOELS KENZO	7.43	97	103	116	116	110	101	110	106	105	108	109	110						
2022	MASTERMINDS DIANA			5	5	5	22	5	37	21	37	23	25	28	33						
LAMA AMANI		ROKAFELA KABAKA	8.63	102	93	92	93	121	91	140	129	121	119	109	122						
2022	MIDDELPOS BBD MOLLY			5	5	5	38	5	57	37	56	39	41	44	50						
LAMA DUDU		ROKAFELA KABAKA	8.63	102	93	92	86	120	80	142	132	122	120	108	121	9	1	1		1	
2022	MIDDELPOS BBD MOLLY			5	5	5	40	5	60	40	58	41	44	47	53			1	1		
LAMA MILAN		ROKAFELA KABAKA	8.63	102	93	92	91	118	86	135	127	119	118	106	119						
2022	MIDDELPOS BBD MOLLY			5	5	5	29	5	43	28	42	30	32	34	38						
LAMA NONKOSI		BASJAN NELSON	7.28	110	98	125	113	114	119	117	120	120	111	101	117						
2023	MASTERMINDS DIANA			5	5	5	31	5	47	31	46	32	35	37	42						
LAMA NTONDO		BASJAN NELSON	7.28	110	98	125	113	114	119	117	120	120	111	101	117						
2023	MASTERMINDS DIANA			5	5	5	31	5	47	31	46	32	35	37	42						
LAMA GOUZA		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
2024	LAMA DUDU			5	5	5	27	5	42	26	41	28	30	33	38						
LAMA STAMPER		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
2024	LAMA DUDU			5	5	5	27	5	42	26	41	28	30	33	38						
LAMA SBOSH		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
2024	LAMA DUDU			5	5	5	27	5	42	26	41	28	30	33	38						
LAMA MAWETHU		BASJAN NELSON	8.13	111	95	111	95	116	99	131	128	124	115	99	118						
2024	LAMA DUDU			5	5	5	27	5	42	26	41	28	30	33	38						

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		
AFRIKA JACK 3		MIDDELPOS BBD JACK 1	4.53	112	88	79	104	93	104	111	106	105	101	87	100	2	1	2		1	
	2015	AFRIKA SURAIJA		38	55	38	54	29	69	53	68	54	57	59	64						2
FONT BOERBOELS MIGHTY BULLET		MES BITE A BULLET	7.42	80	102	114	111	99	91	110	108	96	110	107	107	29	5	6		2	
	2016	FONT BOERBOELS MORGAN BELLE		5	16	41	61	40	75	61	74	62	64	66	70						2
FONT BOERBOELS KENZO		FONT BOERBOELS MIGHTY BULLET	6.19	93	105	111	111	103	80	105	95	95	105	107	100	15	1				
	2017	FONT BOERBOELS KIARA		5	5	25	37	9	50	36	49	38	40	42	46						
AFRIKA DOPPIES		AFRIKA PATRON	7.06	113	95	128	104	114	92	110	120	129	111	98	113	65	9	12	1	1	
	2019	AFRIKA MAYA V		12	26	36	62	36	77	61	76	63	65	67	72						9
ROKAFELA KABAKA		ROKAFELA MAX	7.35	89	85	91	89	123	83	136	118	113	116	108	115	9	1	3		2	
	2019	TARGUS HARRIET		5	5	21	45	18	58	44	58	45	47	49	54						2
BASJAN NELSON		AFRIKA DOPPIES	7.00	119	96	131	104	112	117	120	125	125	111	90	115	21	3	5		2	
	2021	AFRIKA OUNOOI		5	5	29	53	26	69	52	68	54	56	59	64						5
ZADER HUGO		DELATRO HOGAN	6.00	92	91	94	133	116	96	111	113	114	112	107	115	9	2	1			
	2022	ZADER JANNET		5	5	5	37	5	52	37	51	38	40	43	48						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- r-ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
FONT BOERBOELS KIARA	2014	MIDDELPOS BBD LION KING	4.21	105	108	108	110	108	69	99	83	94	100	108	93	30	5	3		3	
		JANIEKA MUDPIE		5	5	53	52	26	69	52	68	53	55	58	63			3		1	
AFRIKA OUNOOI	2019	AFRIKA RAMBOMAX	7.57	125	97	134	121	113	118	118	121	118	118	108	121	42	7	13	1	1	7
		DEO-HAN ZIGGY		17	33	63	64	39	78	63	77	65	67	69	74			7		1	
MIDDELPOS BBD MILLY 5	2019	MIDDELPOS BBD GAMKA	12.72	118	114	107	91	121	77	119	132	124	119	113	122	2	1	2		1	
		QUREDU MISS MOLLY		5	16	26	56	32	71	55	70	57	59	61	66			2		1	
MASTERMINDS DIANA	2021	MASTERMINDS KING KAIRO	15.81	102	100	120	121	117	122	114	116	115	111	111	119	24	2	3			
		MASTERMINDS CUPCAKE		5	5	5	44	5	64	43	63	46	49	52	58			3			
MIDDELPOS BBD MOLLY	2021	AFRIKA JACK 3	8.40	115	101	93	94	113	88	135	136	126	120	104	122	9	1	3		2	
		MIDDELPOS BBD MILLY 5		5	14	11	46	16	63	45	62	47	49	52	57			2		1	
LOMBARD SUPERIOR ECHO	2021	WOEKER BBD JAPIE	10.32	113	97	106	115	107	103	110	117	105	105	99	110	20	5	2			
		LOMBARD SUPERIOR ZARAH		5	5	44	51	27	64	50	64	52	53	56	60			2			
LAMA DUDU	2022	ROKAFELA KABAKA	8.63	102	93	92	86	120	80	142	132	122	120	108	121	9	1	1		1	
		MIDDELPOS BBD MOLLY		5	5	5	40	5	60	40	58	41	44	47	53			1		1	

