

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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12 SUMMIT RD
BEACON BAY
EAST LONDON
5200



Kennel Number: 670030



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.

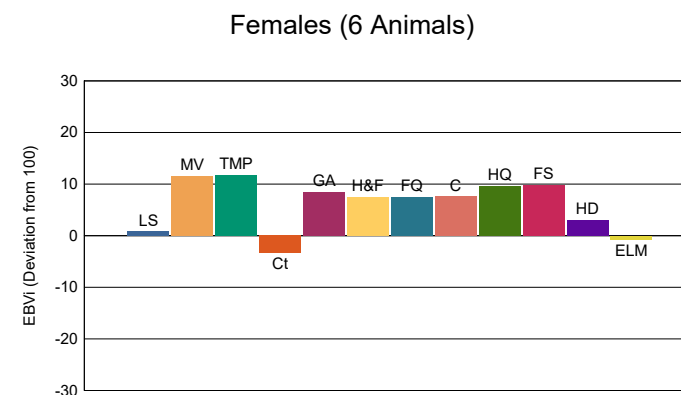
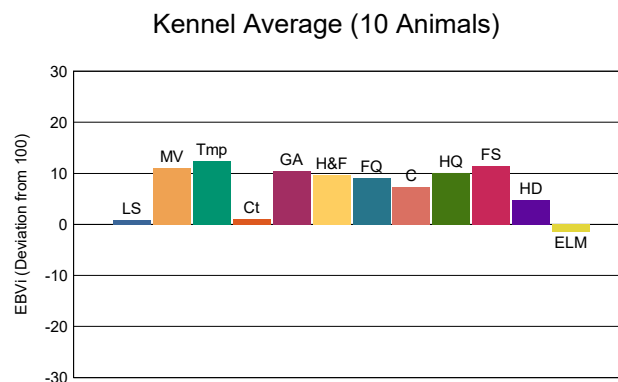
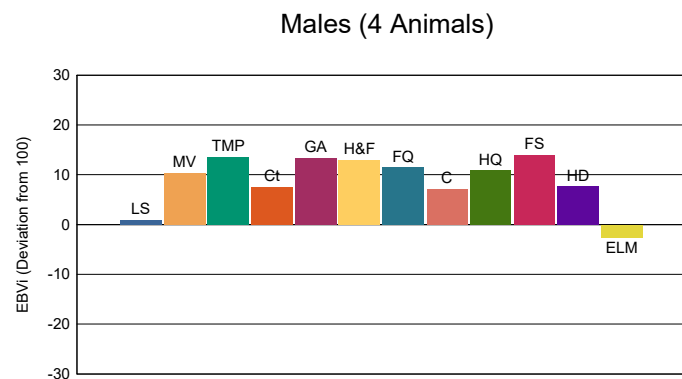
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	101	101	101
Movement (Mv)	111	110	112
Temperament (Tmp)	113	114	112
Coat (Ct)	101	108	97
General Appearance	110	113	109
Head & Face (H&F)	110	113	108
Front Quarter (FQ)	109	111	107
Centre (C)	107	107	108
Hind Quarter (HQ)	110	111	110
Final Score (FS)	111	114	110
Hip Health (HH)	105	108	103
Elbow Health (ELM)	99	97	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.

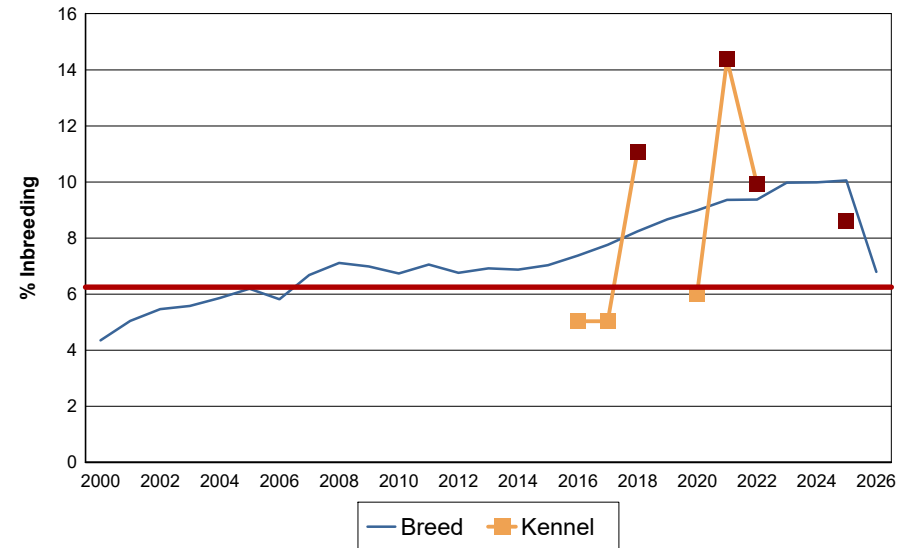
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

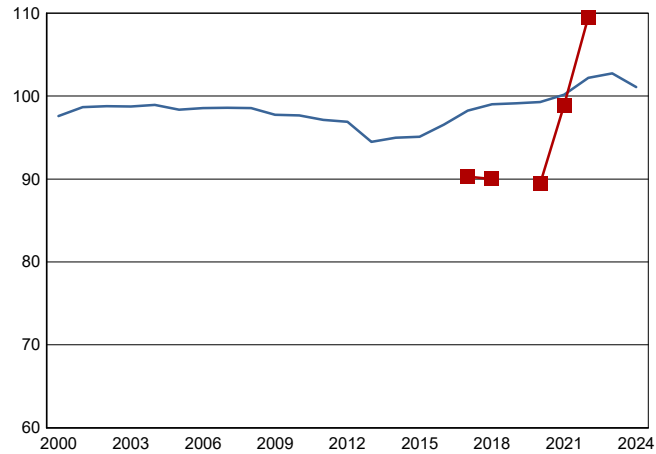


Inbreeding Levels

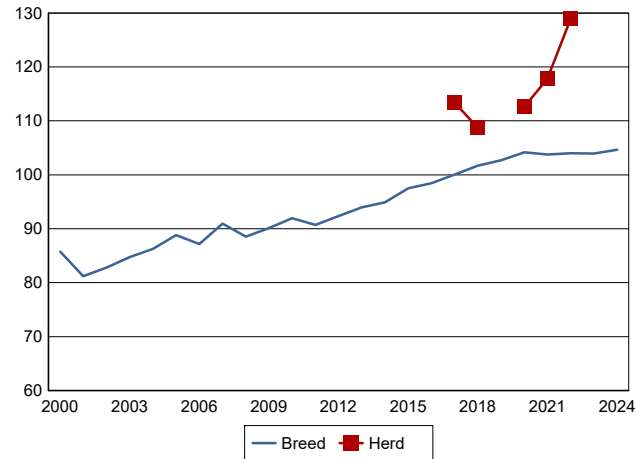
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	10	49007	4	25141	6	23857	7	3371	6	6287
Average Inbreeding	9.18	8.49	9.00	8.46	9.29	8.53	9.33	8.01	14.40	8.00
Number inbred	10	48727	4	24990	6	23728	7	24990	6	23728
Number >6.25% Inbr.	9	30600	4	15537	5	15058	6	15537	5	15058

Genetic Trends

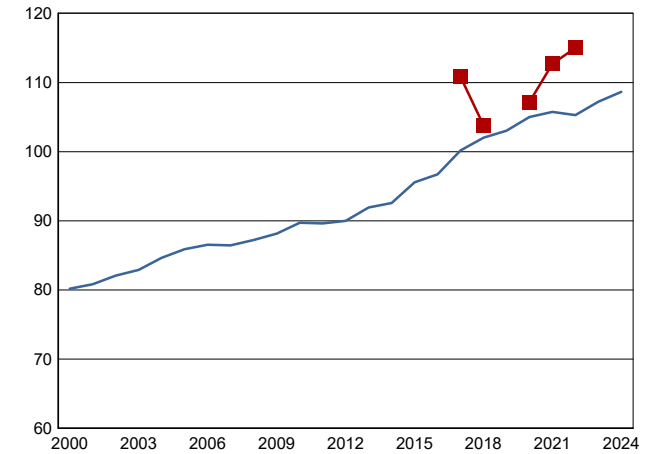
Litter Size



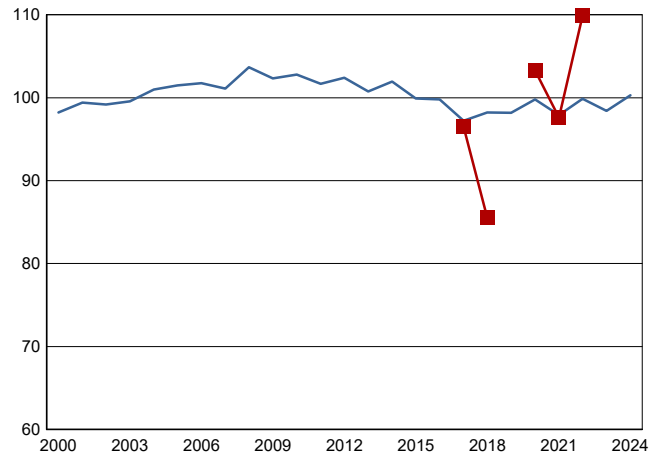
Movement



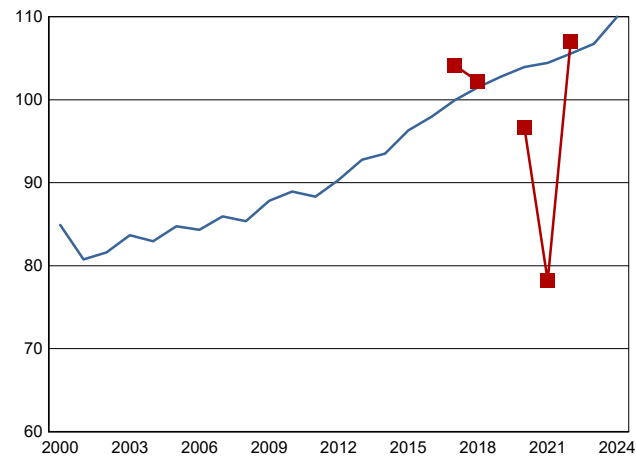
Temperament



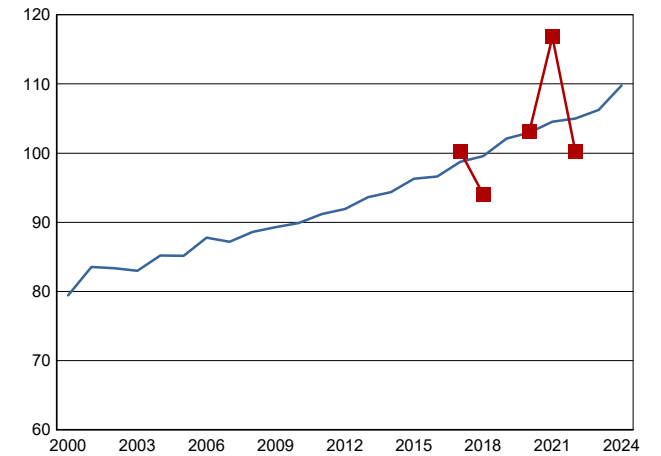
Coat



General Appearance

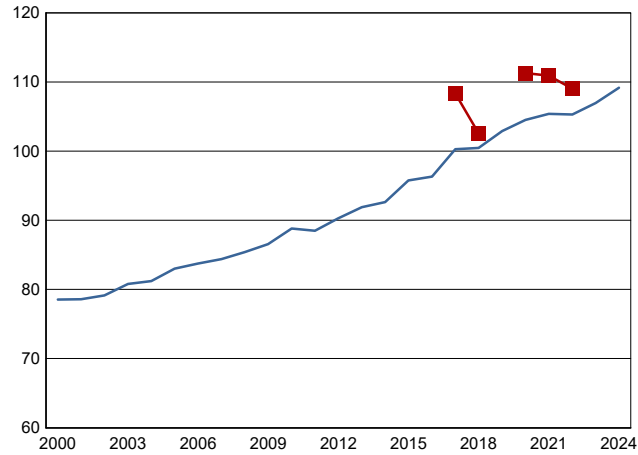


Head & Face

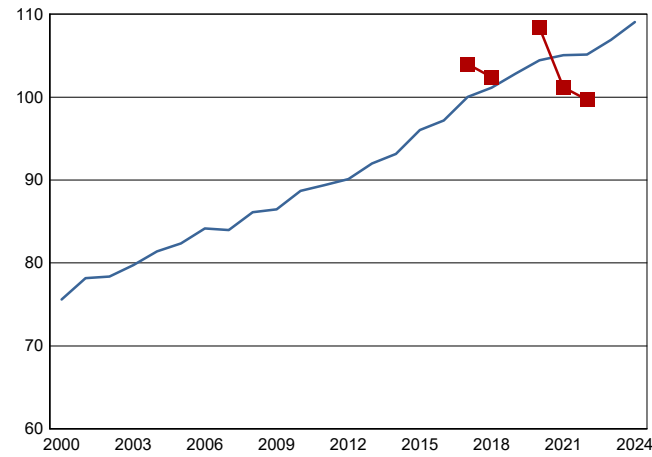


Genetic Trends

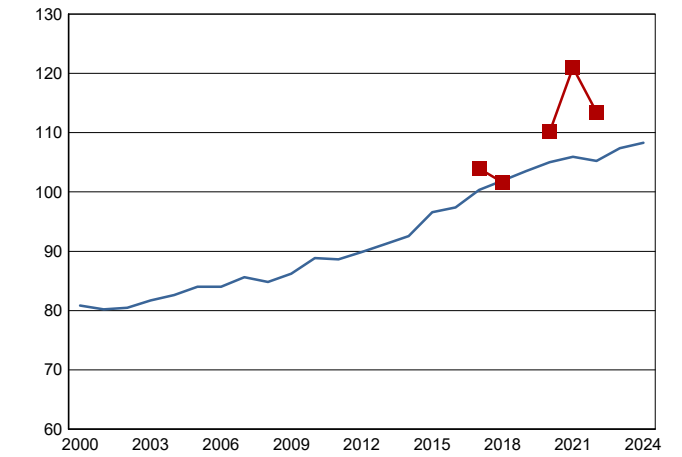
Front Quarter



Centre

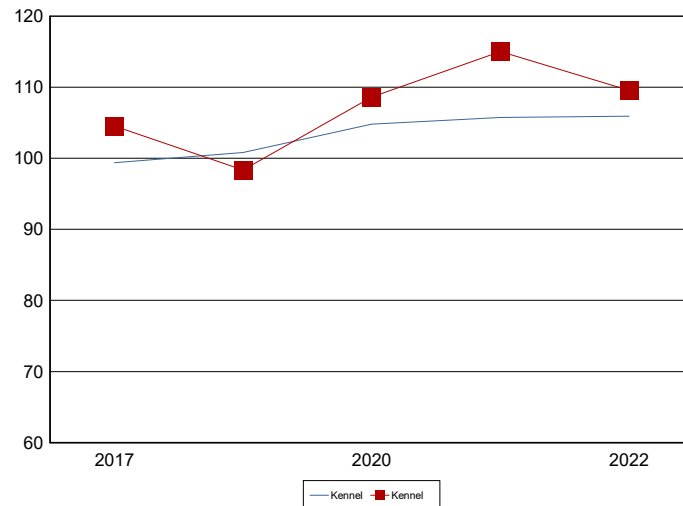


Hind Quarter

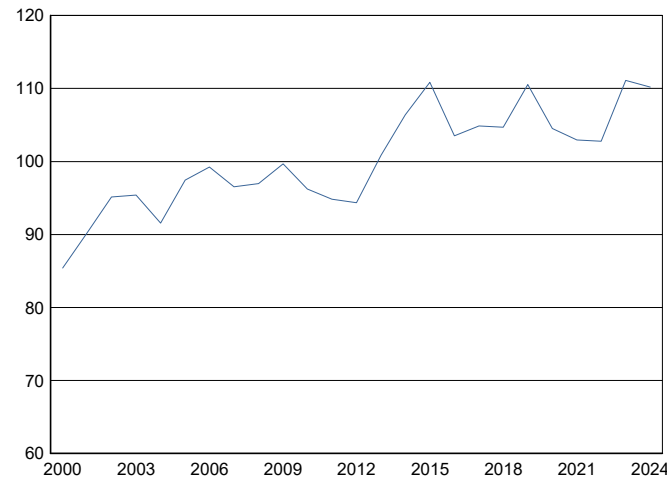


Final Score & Health Traits

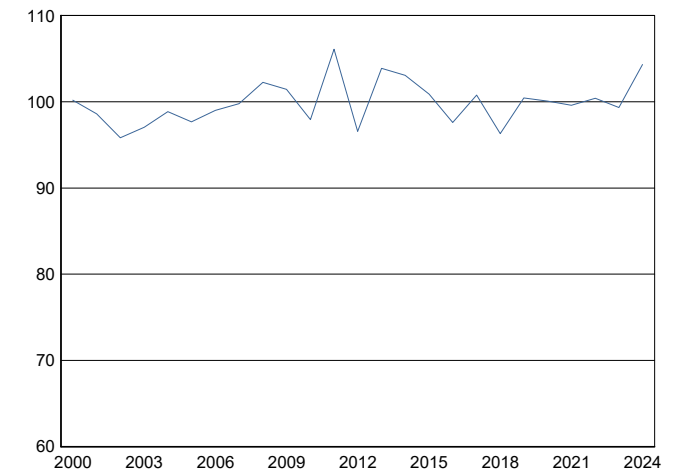
Final Score



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	
RAZOR COOPER		LAMA MKHONTO	8.03	108	98	103	108	113	100	116	113	114	112	107	113						
	2025	RAINAISANCE MONTANA		5	5	5	15	5	29	14	28	16	19	21	25						
VARSVLEI BRUCE		KLEIN SANDFONTEIN GRIFFEL	10.42	108	96	103	114	109	114	106	110	107	105	118	114						
	2025	MASTERMINDS AMBER		5	5	5	14	5	33	13	32	16	19	22	28						
RAZOR GREAT KEI		LAMA KOLISI	9.80	104	95	97	109	116	92	111	117	113	105	109	113						
	2025	RAZOR CAMILA		5	5	5	14	5	36	12	34	15	19	23	29						
GAMEPLAN CONNOR MCGREGOR		PIONEER MAUI	7.76	110	101	101	111	116	124	121	112	112	106	111	116						
	2025	MASTERMINDS AMBER		5	5	5	14	5	32	12	31	15	18	22	27						

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	
RAINAISANCE MONTANA	2021	DUMAS MATRIX	7.32	96	93	90	101	114	92	126	111	107	113	108	111	7	2				
		SANBEL BISCUIT		5	5	30	39	11	51	39	50	40	42	44	47						
RAZOR CAMILA	2022	LOTTER COVID	18.45	107	97	102	134	113	96	78	95	100	89	115	103	3	1				
		MASTERMINDS ALASKA		5	5	5	32	5	57	31	55	33	37	41	49						
LALAS LUCY	2023	WOEKER BBD RAZOR ZOGGZ	5.88	90	111	103	111	104	92	101	100	96	108	115	106						
		KUBUSIE CANADA		5	5	5	26	5	42	25	41	27	29	32	37						
RAZOR PUPPY	2025	LAMA MKHONTO	8.03	108	98	103	108	113	100	116	113	114	112	107	113						
		RAINAISANCE MONTANA		5	5	5	15	5	29	14	28	16	19	21	25						
RAZOR 900223003301031	2025	LAMA MKHONTO	8.03	108	98	103	108	113	100	116	113	114	112	107	113						
		RAINAISANCE MONTANA		5	5	5	15	5	29	14	28	16	19	21	25						
RAZOR WILLOW	2025	LAMA MKHONTO	8.03	108	98	103	108	113	100	116	113	114	112	107	113						
		RAINAISANCE MONTANA		5	5	5	15	5	29	14	28	16	19	21	25						

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	
DUMAS MATRIX		ELEVATION AROS	5.20	88	95	88	95	125	73	147	124	117	129	110	121	69	14	25		14	
	2018	DUMAS NIKITA		5	5	30	70	44	83	69	82	71	73	75	79			11		3	
LOTTER COVID		LOTTER LEO II	11.79	108	94	108	129	116	100	100	96	108	99	113	106	16	4	3		4	
	2020	JAMBAL ELISHA-LOTTER		5	5	18	42	11	57	41	56	43	45	47	52			2		1	
WOEKER BBD RAZOR ZOGGZ		MINTAKAROO CDH HENNIE	10.25	98	114	108	126	108	116	100	101	101	114	126	115	10	1				
	2021	WOEKER BBD JAYNEE		5	5	17	47	16	64	47	63	48	50	53	59						
KLEIN SANDFONTEIN GRIFFEL		MES RETIEF	12.68	112	91	108	110	107	108	102	117	109	112	128	120	4	1				
	2022	KLEIN SANDFONTEIN NEVAEH		5	5	28	48	22	65	48	64	49	52	54	59						
LAMA KOLISI		ROKAFELA KABAKA	8.63	102	93	92	84	118	88	144	139	126	121	102	123	3	1				
	2022	MIDDELPOS BBD MOLLY		5	5	5	40	5	59	39	57	41	43	46	52						
LAMA MKHONTO		BASJAN NELSON	9.62	120	103	117	114	112	108	105	115	120	111	106	115	16	2				
	2023	MES BONANG		5	5	5	29	5	42	28	41	29	31	34	38						
PIONEER MAUI		MIDDELPOS BBD BRUCE ALMIGHTY	7.14	118	100	104	105	121	129	134	122	121	114	115	124	12	2				
	2024	MALAKAS HONEY		5	5	7	47	20	62	46	61	48	50	53	57						

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	
SANBEL BISCUIT	2016	ELEVATION ADAM	5.74	105	92	100	107	104	111	105	99	98	96	105	102	11	1	1		1
		KLEIN SANDFONTEIN LADY SYBIL		5	24	35	49	24	65	49	64	50	52	55	60			1		1
MASTERMINDS ALASKA	2020	LOTTER SUPERMAN	19.73	105	100	97	129	117	102	89	111	109	96	114	112	16	3	2		2
		MASTERMINDS PRETTY GIRL		5	5	5	35	5	54	33	52	36	39	42	48			2		1
KUBUSIE CANADA	2020	EAGLES NEST PLUTO	12.83	82	108	97	96	100	67	102	99	91	102	105	97	52	6	3		2
		FONT BOERBOELS TESSA		5	5	5	42	5	63	42	62	44	47	50	57			3		1
RAINAISANCE MONTANA	2021	DUMAS MATRIX	7.32	96	93	90	101	114	92	126	111	107	113	108	111	7	2			
		SANBEL BISCUIT		5	5	30	39	11	51	39	50	40	42	44	47					
RAZOR CAMILA	2022	LOTTER COVID	18.45	107	97	102	134	113	96	78	95	100	89	115	103	3	1			
		MASTERMINDS ALASKA		5	5	5	32	5	57	31	55	33	37	41	49					
MASTERMINDS AMBER	2023	HORIZON CONG	22.31	103	102	97		111	120	109	103	104	98	107	108	13	4			
		MASTERMINDS BELLA		5	5	5		5	36	5	35	8	16	21	29					

