

Boerboel Genetic Evaluation

SA Stud Book

Augustus 2025

MNR. R. LUDEKE

23 ANGELIER CRES
FAIR BRIDGE HEIGHTS
UITENHAGE
6229



Kennel Number: 611553



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.

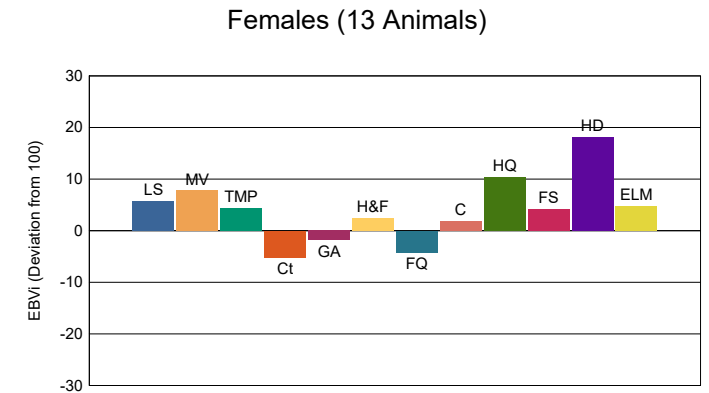
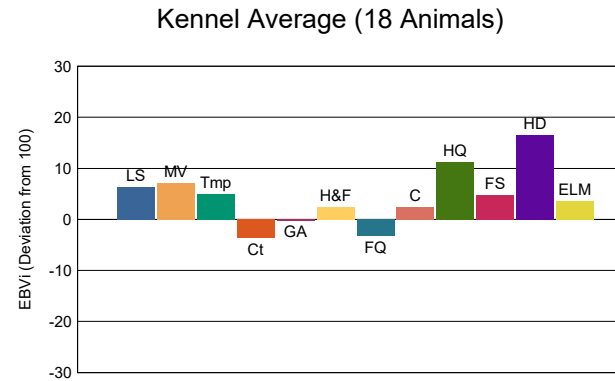
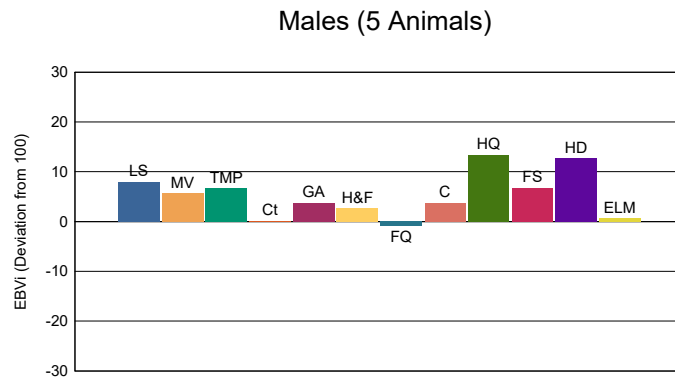
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	106	108	106
Movement (Mv)	107	106	108
Temperament (Tmp)	105	107	104
Coat (Ct)	96	100	95
General Appearance	100	104	98
Head & Face (H&F)	102	103	102
Front Quarter (FQ)	97	99	96
Centre (C)	102	104	102
Hind Quarter (HQ)	111	113	110
Final Score (FS)	105	107	104
Hip Health (HH)	117	113	118
Elbow Health (ELM)	104	101	105

Inbreeding

Notes

Inbreeding primarily leads to decreased fertility, low survivability of pups and low disease resistance.

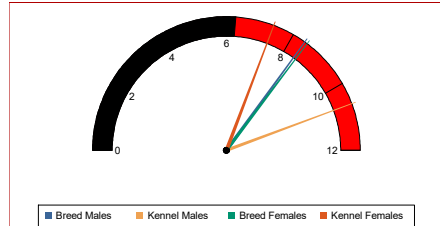
Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

The adverse effects of inbreeding can be observed from 6.25% onwards.

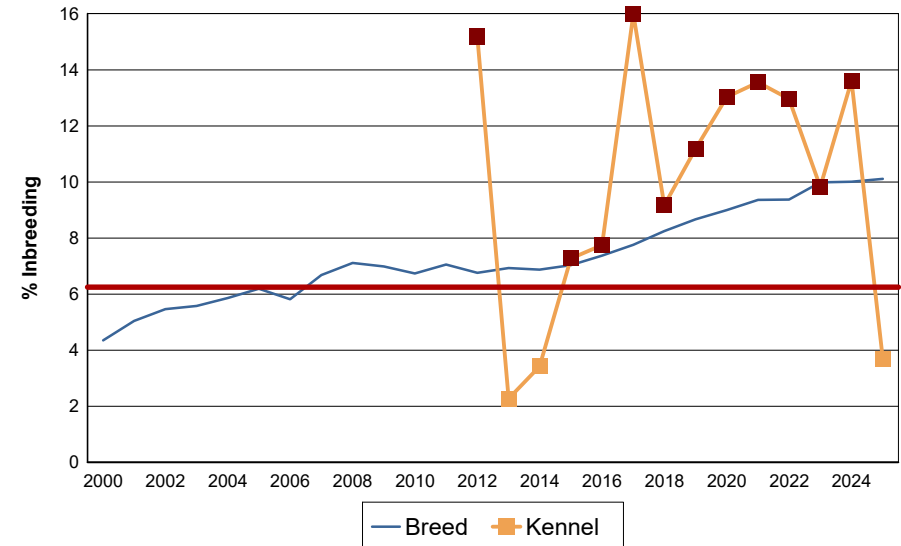
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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



Rate of Inbreeding

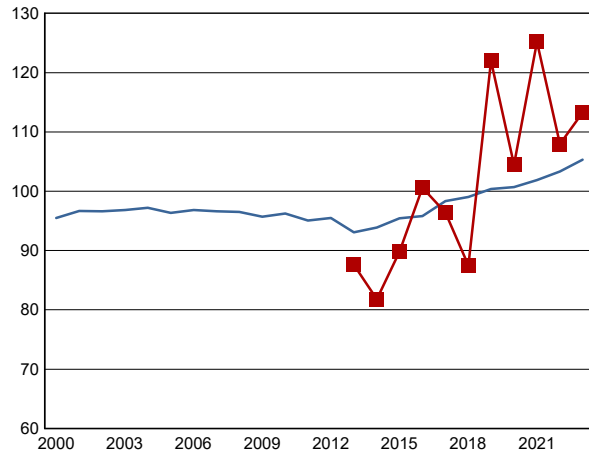


Inbreeding Levels

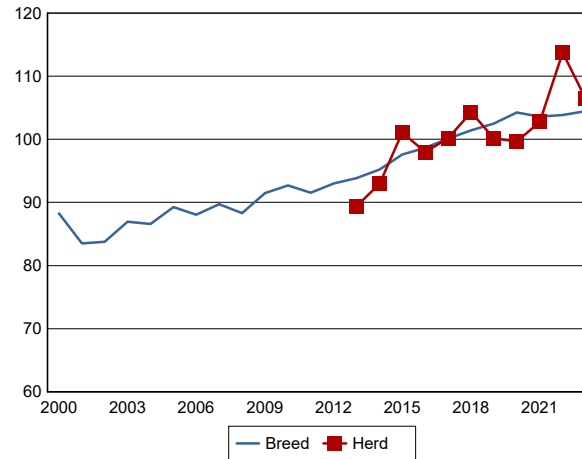
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	18	47352	5	24262	13	23081	11	3250	9	6056
Average Inbreeding	8.29	8.43	10.64	8.39	7.39	8.47	10.30	7.93	8.23	7.94
Number inbred	18	47082	5	24113	13	22960	10	24113	9	22960
Number >6.25% Inbr.	11	29018	4	14700	7	14313	7	14700	7	14313

Genetic Trends

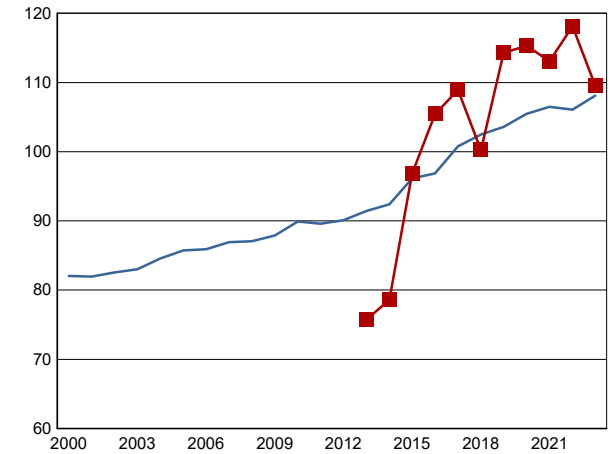
Litter Size



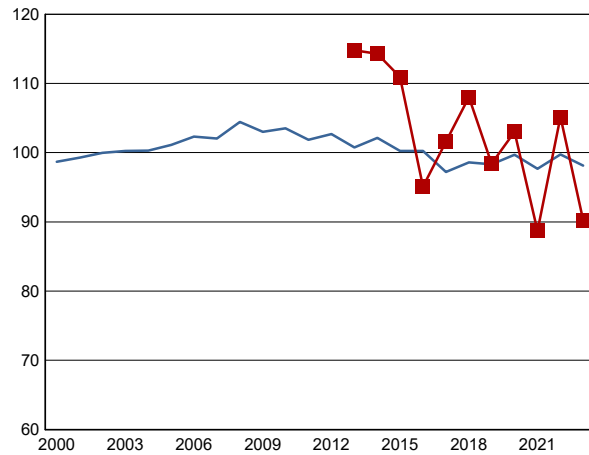
Movement



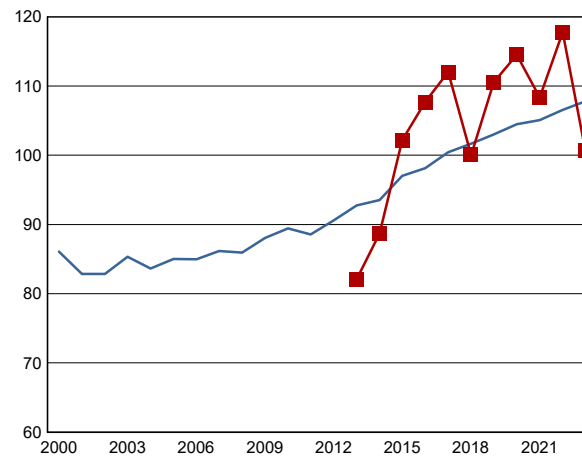
Temperament



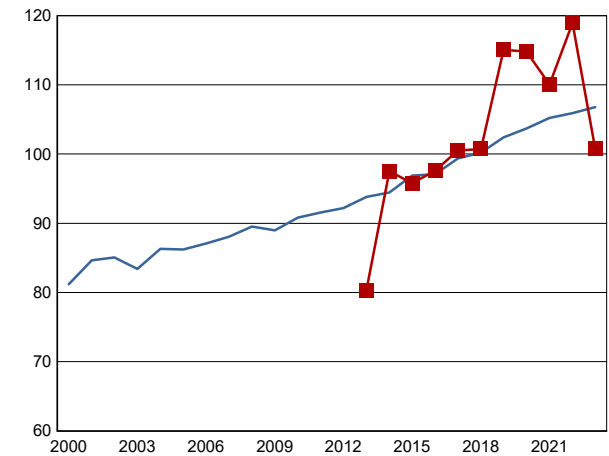
Coat



General Appearance

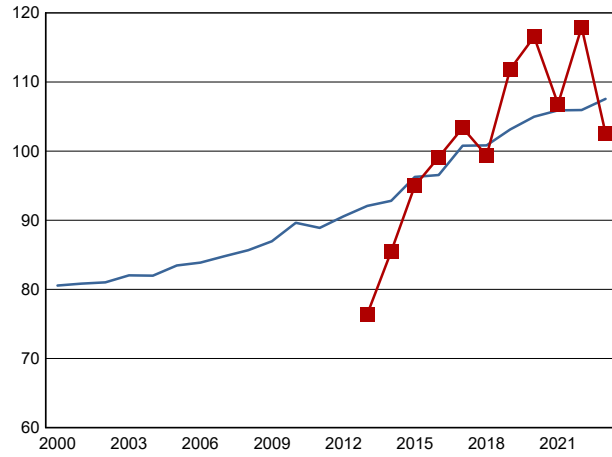


Head & Face

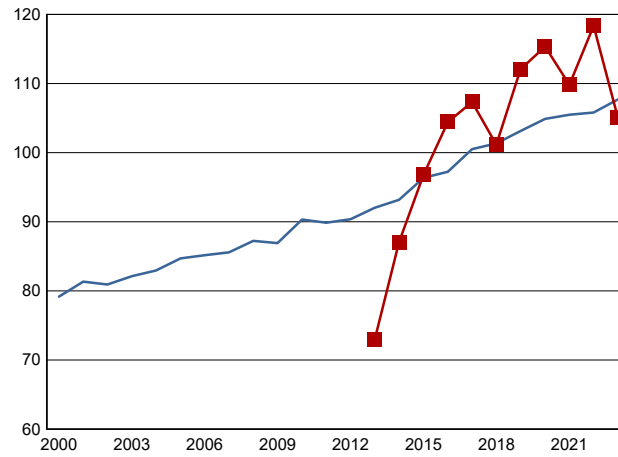


Genetic Trends

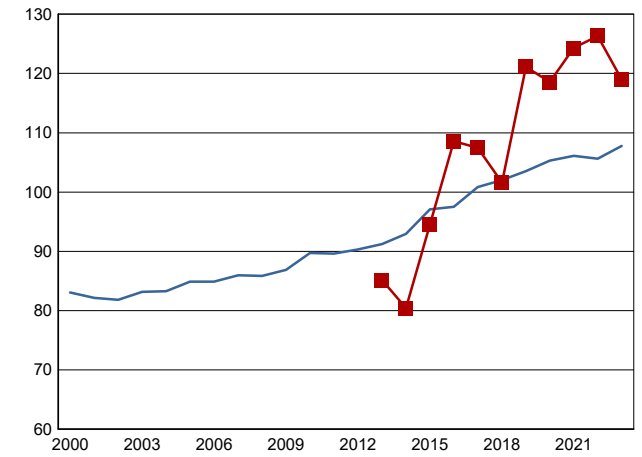
Front Quarter



Centre

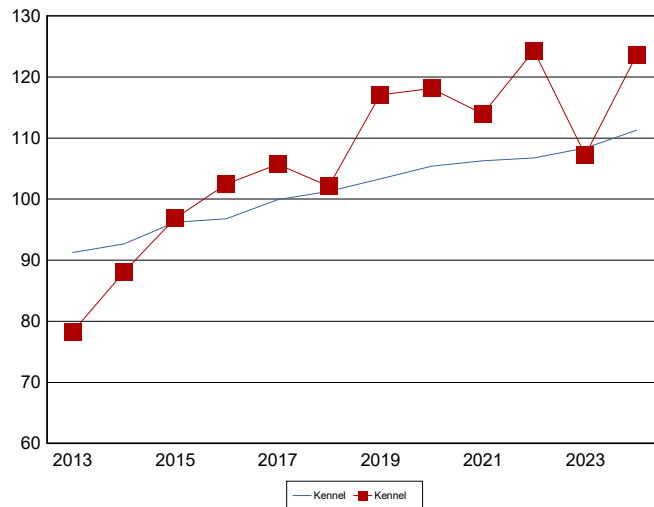


Hind Quarter

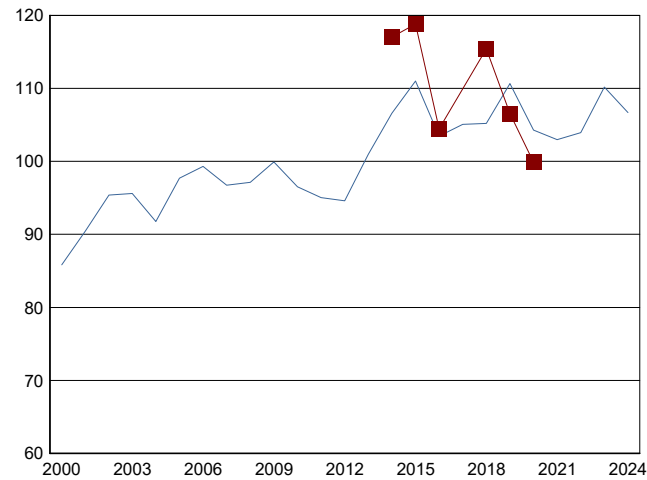


Final Score & Health Traits

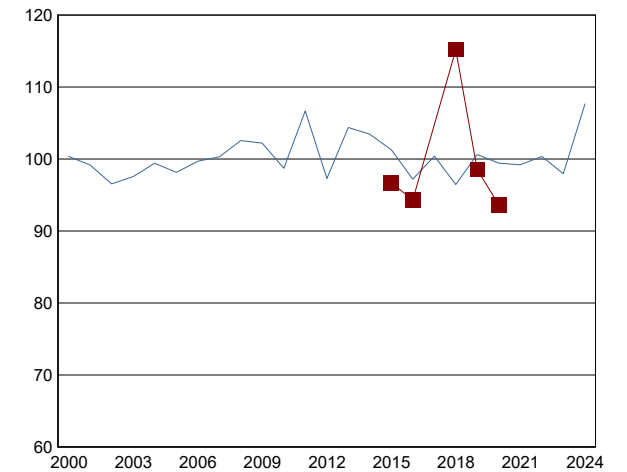
Final Score



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	
LA BOELA REMINGTON		MEGAZONE DEXTER	16.04	122	105	103	122	124	104	125	108	120	120	128	122	21	4	6			2
	2020	KAMMO BBD SEIFER		5	5	25	49	17	67	48	66	50	53	55	61			6			1
LA BOELA UBER		LA BOELA ROOSTER	14.29	92	88	132	85	109	95	102	116	108	108	119	113	12	4				
	2021	LA BOELA VENUS II		5	5	15	42	5	60	42	59	43	46	49	54						
WOEKER BBD MAFUTHA		WOEKER BBD MATEKWA	14.09	109	93	111	120	103	102	106	98	90	96	118	105						
	2023	WOEKER BBD TINKIE		5	5	5	45	5	64	44	62	46	48	52	57						
LA BOELA AROS		DELATRO UWE	6.99	113	114	95	111	110	109	108	105	105	109	115	111						
	2025	LA BOELA GEETAH		5	6	24	28	5	39	28	39	29	30	32	36						
LA BOELA BRUTUS		TYGERHOEK BBD BRUTUS	1.78	126	104	99	91	88	91	78	87	73	86	88	82						
	2025	LA BOELA FERRE		17	10	34	29	5	41	29	41	30	32	34	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	
LA BOELA RAVEN	2019	MES MAC GYVER	6.26	110	104	130	120	116	85	104	125	111	112	131	123	28	4	5			2
		LA BOELA CAPRI		29	44	51	55	33	70	55	69	56	58	60	65			3			1
LA BOELA GEETAH	2020	LA BOELA DODGE	9.15	112	117	96	103	113	113	115	112	109	114	123	118	17	4	2			1
		KAMMO BBD LONDON		26	43	47	36	10	49	36	49	37	39	41	45			2			1
LA BOELA FERRE	2023	MIDDELPOS BBD MAXIMUS I	5.73	126	106	104	128	102	83	95	101	93	101	112	103	7	1				
		LA BOELA RAVEN		16	25	37	46	23	61	46	60	47	49	51	56						
LA BOELA GIGI	2023	MIDDELPOS BBD MAXIMUS I	5.73	126	106	104	126	107	94	101	107	99	106	116	110						
		LA BOELA RAVEN		16	25	34	46	23	61	46	60	47	49	51	56						
LA BOELA ROSE	2023	WOEKER BBD MATEKWA	10.11	111	95	128	108	112	94	103	104	105	106	125	111						
		LA BOELA VENUS II		5	5	14	46	13	64	45	63	47	49	52	58						
WOEKER BBD KOATA	2023	WOEKER BBD BOESMAN	19.80	115	99	93	121	111	91	115	104	105	107	110	108						
		LOMBARD SUPERIOR PEANUT		5	5	5	42	5	62	41	61	43	46	49	56						
LA BOELA ROUGE	2024	LA BOELA REMINGTON	10.73	116	104	116	127	123	97	114	113	116	116	134	124						
		LA BOELA RAVEN		5	5	14	41	5	61	41	59	42	45	48	54						
LA BOELA INDIE	2024	LA BOELA UBER	14.40	102	102	114	94	111	104	108	114	109	111	121	116						
		LA BOELA GEETAH		5	5	5	14	5	33	13	32	16	19	22	28						
LA BOELA AVA	2025	DELATRO UWE	6.99	113	114	95	111	110	109	108	105	105	109	115	111						
		LA BOELA GEETAH		5	6	24	28	5	39	28	39	29	30	32	36						
LA BOELA KAIDA	2025	TYGERHOEK BBD BRUTUS	1.78	126	104	99	91	88	91	78	87	73	86	88	82						
		LA BOELA FERRE		17	10	34	29	5	41	29	41	30	32	34	37						
LA BOELA VARA	2025	TYGERHOEK BBD BRUTUS	1.78	126	104	99	91	88	91	78	87	73	86	88	82						
		LA BOELA FERRE		17	10	34	29	5	41	29	41	30	32	34	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		
LA BOELA QUINN		TYGERHOEK BBD BRUTUS	1.78	126	104	99	91	88	91	78	87	73	86	88	82						
	2025	LA BOELA FERRE		17	10	34	29	5	41	29	41	30	32	34	37						
LA BOELA BETS		TYGERHOEK BBD BRUTUS	1.78	126	104	99	91	88	91	78	87	73	86	88	82						
	2025	LA BOELA FERRE		17	10	34	29	5	41	29	41	30	32	34	37						

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		
TYGERHOEK BBD BRUTUS		GRASLAND GBT ROCKY	0.00	126	101	94	53	74	100	62	74	54	70	63	62	83	13	7	9	4	24
	2000	SELBOURNE BELLA		48	31	64	50	27	64	49	64	51	53	55	60			7			
MIDDELPOS BBD MAXIMUS I		MIDDELPOS BBD BOEL I	9.57	142	109	77	123	92	98	90	88	83	97	94	91	147	21	27	8	4	24
	2009	MIDDELPOS BBD MAXI I		49	52	61	73	52	83	73	83	74	75	77	80			15			
DELATRO UWE		DELATRO KARDO	5.76	115	110	94	118	106	105	101	98	100	104	107	104	29	6	7	1	1	4
	2014	MIDDELPOS BBD KALAHARI		5	13	39	57	34	69	57	69	58	60	62	65			7			
MES MAC GYVER		AFRIKA MALABU	5.66	120	118	123	123	109	84	84	125	105	97	118	114	144	26	47	5	5	39
	2014	ZUBERI-ZURI DIDI		37	52	65	79	57	88	79	88	80	81	83	86			38			
LA BOELA DODGE		GROENBERG BBD RAMBO	4.86	104	98	109	95	117	105	118	118	115	121	127	123	42	6	7	2	2	6
	2016	MES WILLOW		42	54	51	60	43	71	60	70	60	62	64	67			7			
MEGAZONE DEXTER		GROENBERG BBD RAMBO	17.23	125	94	98	132	132	105	131	115	127	130	131	130	8	1	2	1	1	3
	2018	MEGAZONE BAILEY		24	35	42	56	38	69	56	69	57	59	61	65			1			
LA BOELA ROOSTER		MES FELIX BOETA	16.23	75	72	123	95	111	102	109	117	114	106	111	114	37	5	7	2	2	6
	2019	LA BOELA ZUKIE		5	25	37	60	34	75	59	74	61	63	65	70			6			
LA BOELA REMINGTON		MEGAZONE DEXTER	16.04	122	105	103	122	124	104	125	108	120	120	128	122	21	4	6			2
	2020	KAMMO BBD SEIFER		5	5	25	49	17	67	48	66	50	53	55	61			6			
WOEKER BBD BOESMAN		WOEKER BBD WOEKER	13.17	116	102	92	127	113	111	112	105	101	106	117	113	22	3	1			
	2020	MIDDELPOS BBD FIELA 3		5	5	33	55	30	69	54	68	56	58	60	64			1			
LA BOELA UBER		LA BOELA ROOSTER	14.29	92	88	132	85	109	95	102	116	108	108	119	113	12	4				
	2021	LA BOELA VENUS II		5	5	15	42	5	60	42	59	43	46	49	54						
WOEKER BBD MATEKWA		LOMBARD SUPERIOR HAMMILTON	10.45	111	87	115	118	112	89	103	97	102	95	113	103	83	12	18			1
	2021	WOEKER BBD STELLA		5	5	16	55	26	72	55	71	56	59	62	67			8			

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	
LA BOELA CAPRI	2016	GROENBERG BBD RAMBO	4.86	104	93	125	98	115	84	114	106	106	115	129	114	14	1	2	2	2	
		MES WILLOW		40	52	54	55	40	64	55	63	55	57	58	61			1			1
KAMMO BBD LONDON	2017	KAMMO BBD LOFTY	8.88	114	123	71	109	107	118	106	106	105	110	117	113	9	2	4	2	2	
		TARGUS TIMU		5	19	47	48	21	63	47	62	49	51	53	58			4			
KAMMO BBD SEIFER	2017	TARGUS MAKAROV	12.87	119	116	100	104	113	98	109	92	106	110	122	108	25	4	6	1	1	
		LA BOELA KAMMO ZURI		5	13	47	56	28	72	55	71	57	59	62	67			5			
LA BOELA VENUS II	2019	MES MAC GYVER	6.26	110	104	142	97	109	75	95	104	97	107	132	109	33	4	8		3	
		LA BOELA CAPRI		29	44	49	57	34	72	57	71	58	60	62	67			6			
LA BOELA RAVEN	2019	MES MAC GYVER	6.26	110	104	130	120	116	85	104	125	111	112	131	123	28	4	5		2	
		LA BOELA CAPRI		29	44	51	55	33	70	55	69	56	58	60	65			3			
LA BOELA GEETAH	2020	LA BOELA DODGE	9.15	112	117	96	103	113	113	115	112	109	114	123	118	17	4	2		1	
		KAMMO BBD LONDON		26	43	47	36	10	49	36	49	37	39	41	45			2			
WOEKER BBD TINKIE	2020	WOEKER BBD WOEKER	9.75	108	100	107	124	106	107	117	106	93	104	127	114	14	2	6			
		WOEKER BBD DORKAH		5	5	32	54	25	71	53	70	55	57	60	65			2			
LOMBARD SUPERIOR PEANUT	2021	WOEKER BBD JAPIE	10.32	113	97	95	110	104	79	113	122	110	105	99	109	5	1	1			
		LOMBARD SUPERIOR ZARAH		5	5	36	51	25	68	51	67	52	55	57	62			1			
LA BOELA FERRE	2023	MIDDELPOS BBD MAXIMUS I	5.73	126	106	104	128	102	83	95	101	93	101	112	103	7	1				
		LA BOELA RAVEN		16	25	37	46	23	61	46	60	47	49	51	56						

