

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 LAGEM BOERBOELE

11 PAUL KIRSTEN STR
HEUWELKREIN
DESPATCH
6220



Kennel Number: 711823



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.

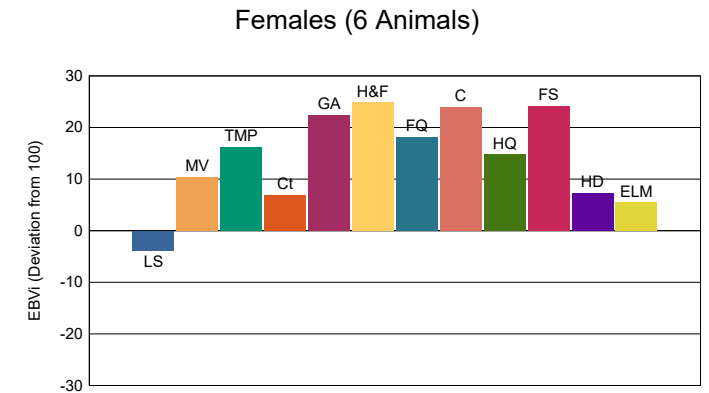
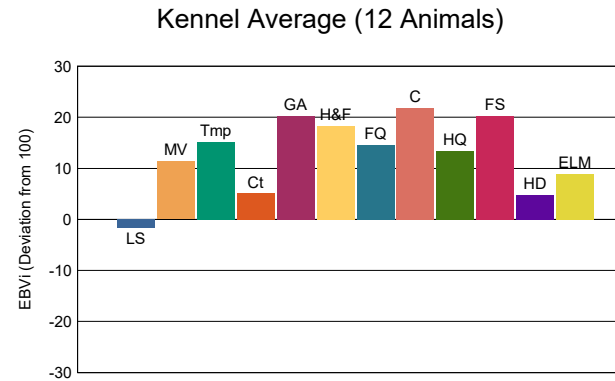
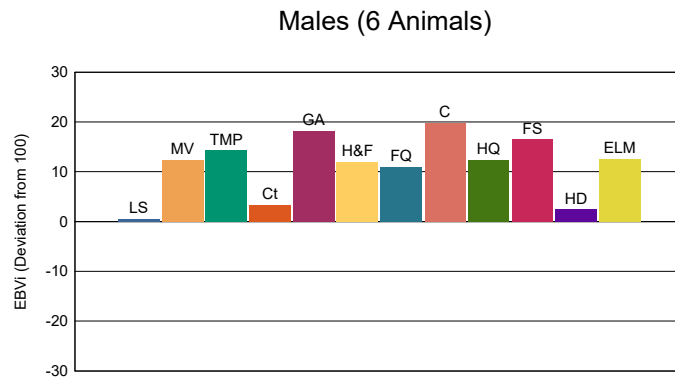
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	98	101	96
Movement (Mv)	111	112	110
Temperament (Tmp)	115	114	116
Coat (Ct)	105	103	107
General Appearance	120	118	122
Head & Face (H&F)	118	112	125
Front Quarter (FQ)	115	111	118
Centre (C)	122	120	124
Hind Quarter (HQ)	114	112	115
Final Score (FS)	120	116	124
Hip Health (HH)	105	102	107
Elbow Health (ELM)	109	113	105

Inbreeding

Notes

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

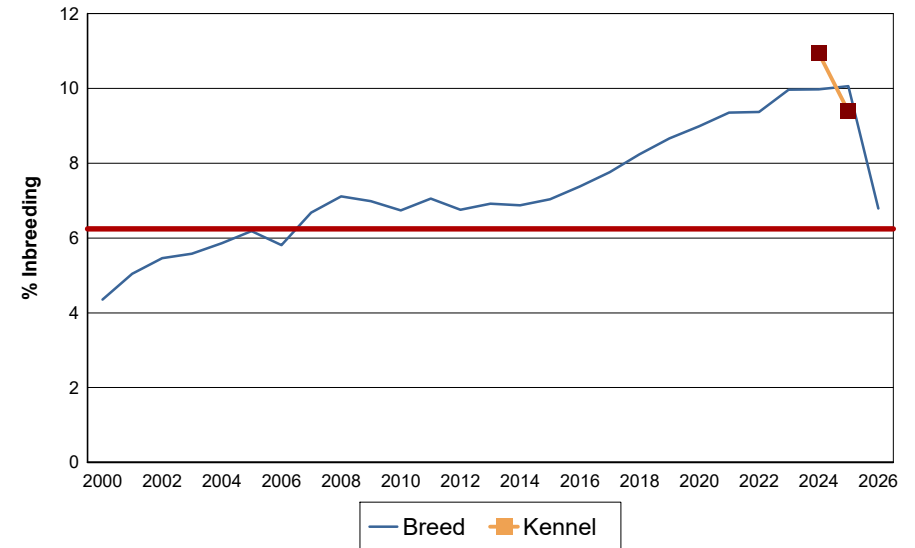
Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

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.

Rate of Inbreeding



Inbreeding Levels for Specific Matings

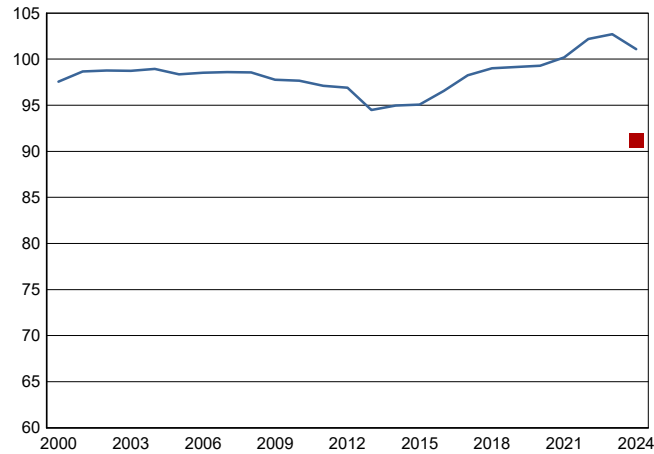
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Inbreeding Levels

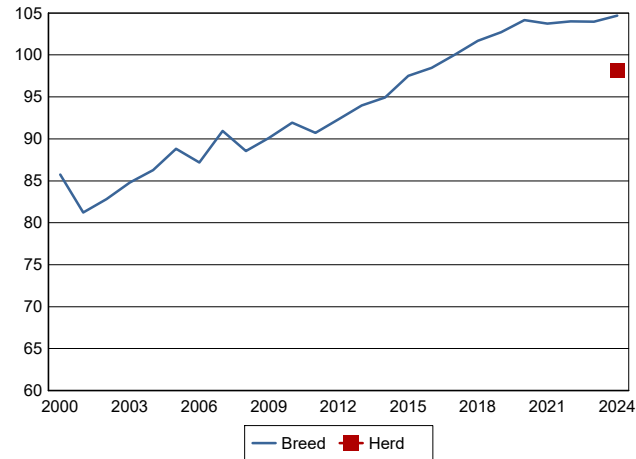
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	12	49007	6	25141	6	23857	9	3371	7	6287
Average Inbreeding	11.88	8.49	9.39	8.46	14.36	8.53	10.66	8.01	11.78	8.00
Number inbred	12	48727	6	24990	6	23728	9	24990	7	23728
Number >6.25% Inbr.	11	30600	5	15537	6	15058	6	15537	5	15058

Genetic Trends

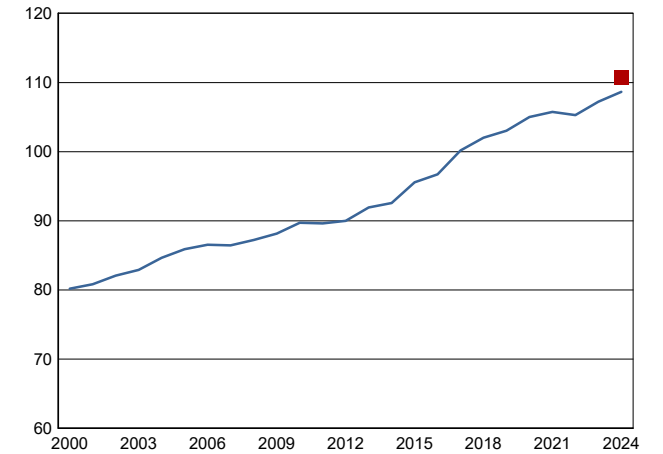
Litter Size



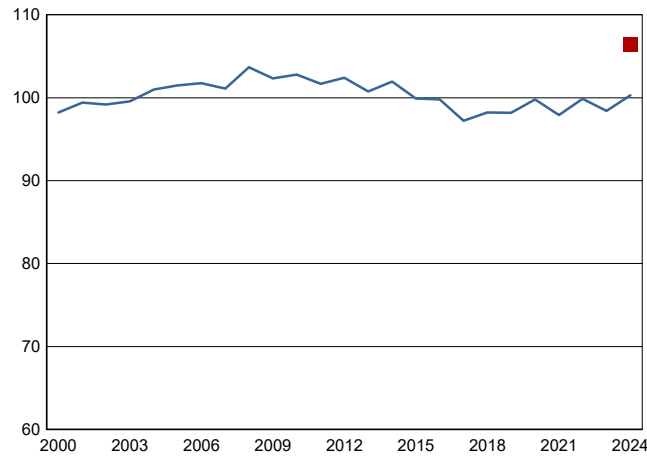
Movement



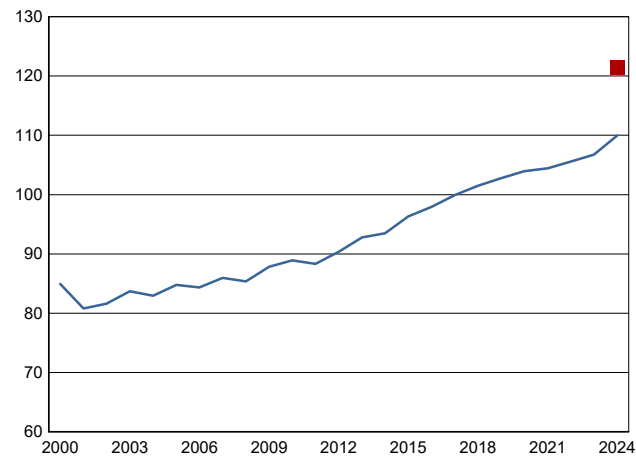
Temperament



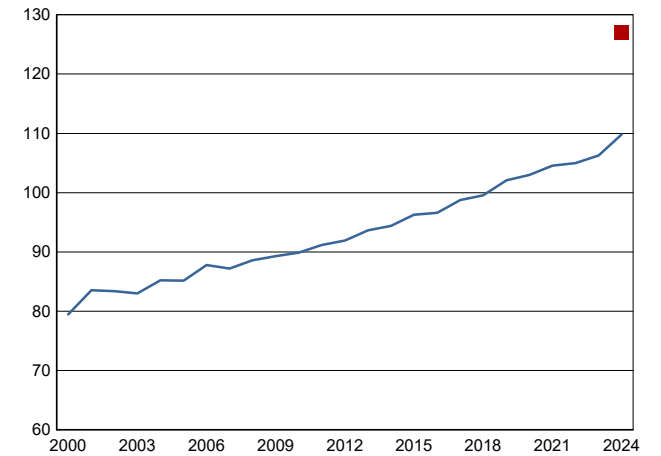
Coat



General Appearance

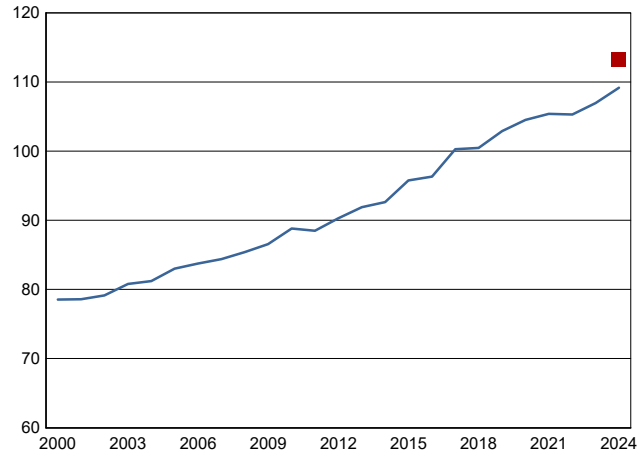


Head & Face

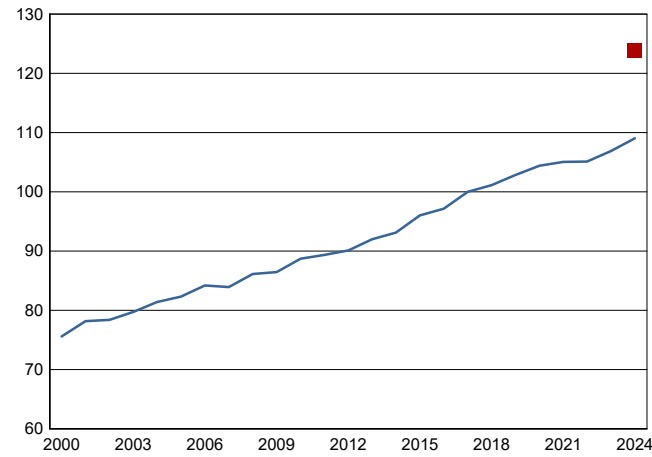


Genetic Trends

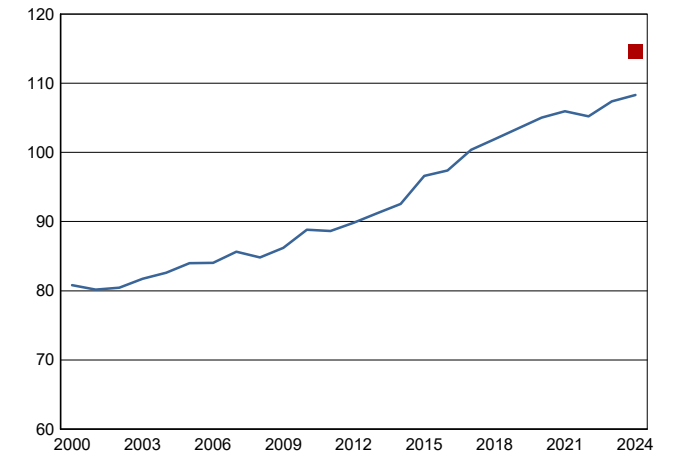
Front Quarter



Centre



Hind Quarter

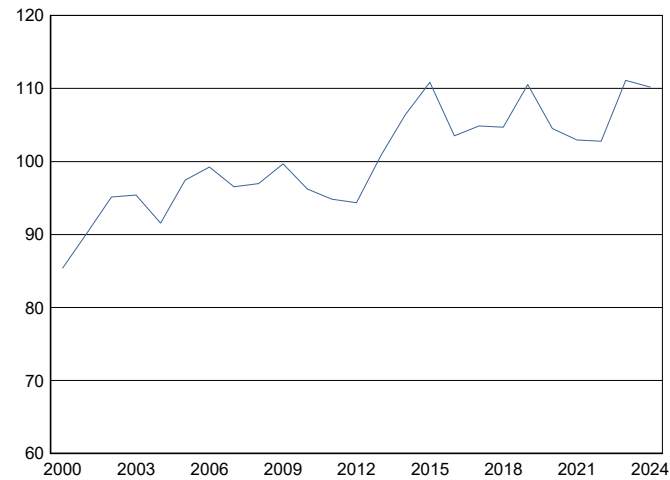


Final Score & Health Traits

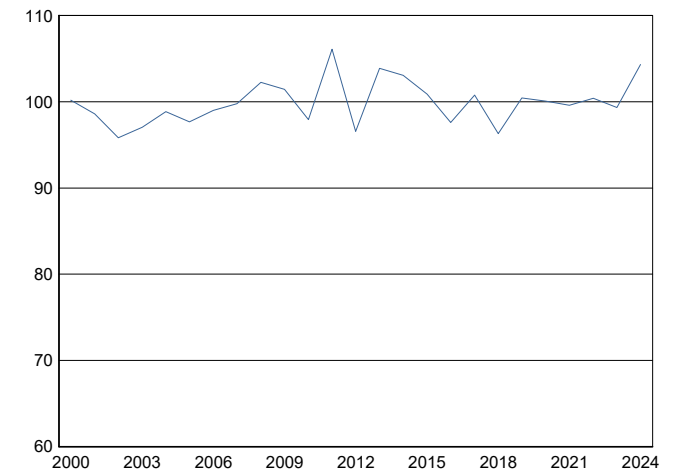
Final Score



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	
ELEVATION BULLET I		ELEVATION HERBY	9.51	111	134	106	123	120	99	127	118	117	129	112	122	14	1				
	2023	ELEVATION MICA		5	26	24	49	21	65	48	64	50	52	55	60						
LAGEM BRUTUS		DELMA DIESEL I	7.81	99	104	98	109	103	99	99	91	98	104	109	100						
	2024	WILLEWRAGTIG SKYE		5	5	5	31	5	54	30	52	33	36	39	46						
LAGEM CHOPPER		JAMBAL CHAKA	14.08	111	102	89	102	114	101	127	132	114	128	119	128						
	2024	ELEVATION TEQUILA		5	5	5	41	5	60	41	59	42	45	48	54						
FONT BOERBOELS LOKI II		LAIKA BENTLY	6.03	84	112	108	104	110	114	114	92	101	113	107	105						
	2024	FONT BOERBOELS GEDA		5	5	5	34	5	47	33	47	34	37	39	43						
LAGEM BOESMAN		MASTERMINDS CHAMP	10.11	102	105	102	125	127	102	127	132	125	126	114	130						
	2025	ELEVATION TEQUILA		5	5	5	21	5	40	21	39	22	25	29	34						
LAGEM 1148		ELEVATION BULLET I	8.79	108	118	101	111	112	105	117	108	111	119	112	114						
	2025	WILLEWRAGTIG SKYE		5	5	5	18	5	37	17	36	20	23	26	31						

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	Progeny with litters
WILLEWRAGTIG SKYE	2022	WILLEWRAGTIG BRAHMAN WILLEWRAGTIG HARLEY QUINN	18.95	106 5	102 5	95 5	100 30	103 5	111 56	106 28	99 55	105 31	108 35	112 40	107 48	12	1	1 1			
ELEVATION TEQUILA	2023	ELEVATION TOLBOS ELEVATION RUBY I	19.16	101 5	107 5	92 28	125 46	128 5	107 64	142 47	138 63	124 47	134 50	112 53	134 58	11	2	3 2			
LAGEM LIEFI	2024	JAMBAL CHAKA ELEVATION TEQUILA	14.08	111 5	102 5	89 5	97 40	116 5	111 58	129 40	141 57	123 41	133 43	118 46	134 52						
LAGEM NOVA	2025	MASTERMINDS CHAMP ELEVATION TEQUILA	10.11	102 5	105 5	102 5	125 21	127 5	102 40	127 21	132 39	125 22	126 25	114 29	130 34						
MASTERMINDS LUNA II 5	2025	LOTTER LEGEND MASTERMINDS DAKOTA	15.08	116 5	100 5	98 5	105 18	111 5	105 39	114 17	131 38	122 19	124 23	120 26	127 33						
LAGEM BELLA	2025	ELEVATION BULLET I WILLEWRAGTIG SKYE	8.79	108 5	118 5	101 5	111 18	112 5	105 37	117 17	108 36	111 20	119 23	112 26	114 31						

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	
WILLEWRAGTIG BRAHMAN		ELEVATION ADAM	5.29	116	103	97	104	104	113	102	91	102	103	112	103			1			1
	2019	DON JULIO AZIZA		5	12	25	46	21	62	45	61	47	49	51	56	35	4	1			1
LAIKA BENTLY		LOU-ANDRE BARON	3.38	81	117	109	110	116	130	117	92	103	113	110	109			7			3
	2019	LAIKA ZIA		5	5	23	56	30	73	57	72	57	60	62	67	50	8	4			2
ELEVATION TOLBOS		ELEVATION DAX	13.57	87	118	111	126	128	111	139	127	123	121	106	126			14			6
	2021	ELEVATION MICA		30	49	40	62	39	76	63	75	63	65	67	72	54	11	11			1
ELEVATION HERBY		LINGA LONGA HARLEY 3	5.21	130	138	91	120	119	93	116	119	118	129	120	123			11			6
	2021	ELEVATION MOYA		32	49	33	59	34	74	58	73	60	62	64	69	26	7	7			1
JAMBAL CHAKA		JAMBAL BUKS	14.33	121	97	86	72	103	104	116	132	112	124	121	124			8			2
	2021	JAMBAL KITTA		5	5	26	55	27	72	55	71	56	59	61	66	25	4	5			2
DELMA DIESEL I		PAURON RUGER	14.75	92	107	101	111	98	89	93	98	93	97	98	97			1			
	2022	DELMA MADISON		5	5	8	43	5	63	43	62	44	47	50	57	6	1	1			
ELEVATION BULLET I		ELEVATION HERBY	9.51	111	134	106	123	120	99	127	118	117	129	112	122						
	2023	ELEVATION MICA		5	26	24	49	21	65	48	64	50	52	55	60	14	1				
MASTERMINDS CHAMP		MASTERMINDS BOMB	17.51	103	104	113	125	125	97	112	125	126	118	117	125						
	2023	JAGERSDRIFT BELLA		5	5	5	35	5	60	34	58	37	40	44	52	22	4				
LOTTER LEGEND		JAMBAL CHAKA	12.37	117	96	92	87	106	129	125	146	123	131	122	136						
	2023	LOTTER GRACE		5	5	5	43	5	62	42	61	44	46	49	55	6	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	
ELEVATION MICA	2018	ELEVATION AROS	4.98	92	129	121	129	125	99	136	116	114	129	112	122	28	4	18	3	3	9
		ZUKANDI CASSY		42	58	57	65	41	79	65	78	66	68	70	74			16			2
WILLEWRAGTIG HARLEY QUINN	2019	MOST WANTED RANGER	5.02	96	100	93	98	96	116	107	96	99	103	105	102	37	6	1			2
		DON JULIO AZIZA		5	5	12	43	13	61	43	60	44	47	50	55			1			1
ELEVATION RUBY I	2021	ELEVATION DJ	12.35	114	95	76	128	126	105	135	131	118	134	118	132	11	3	4			2
		ELEVATION SELECTA		5	24	48	52	25	68	52	67	53	55	58	63			4			1
WILLEWRAGTIG SKYE	2022	WILLEWRAGTIG BRAHMAN	18.95	106	102	95	100	103	111	106	99	105	108	112	107	12	1	1			
		WILLEWRAGTIG HARLEY QUINN		5	5	5	30	5	56	28	55	31	35	40	48			1			
ELEVATION TEQUILA	2023	ELEVATION TOLBOS	19.16	101	107	92	125	128	107	142	138	124	134	112	134	11	2	3			
		ELEVATION RUBY I		5	5	28	46	5	64	47	63	47	50	53	58			2			
FONT BOERBOELS GEDA	2023	BRIEL THE GHOST	8.28	87	108	106	98	103	98	110	92	99	114	105	101	19	2	1			
		FONT BOERBOELS ROSSI		5	5	26	51	23	67	49	66	51	54	56	61			1			
MASTERMINDS DAKOTA	2023	JAMBAL KABAMBA	13.75	115	104	104	123	117	81	103	117	120	116	118	118	6	1				
		MASTERMINDS FIELA		5	5	5	41	5	61	41	60	42	45	48	54						

