

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 MALAKAS BOERBOELS

50 DERBY ROAD

0

LANSDOWN

7779



Kennel Number: 682552



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.

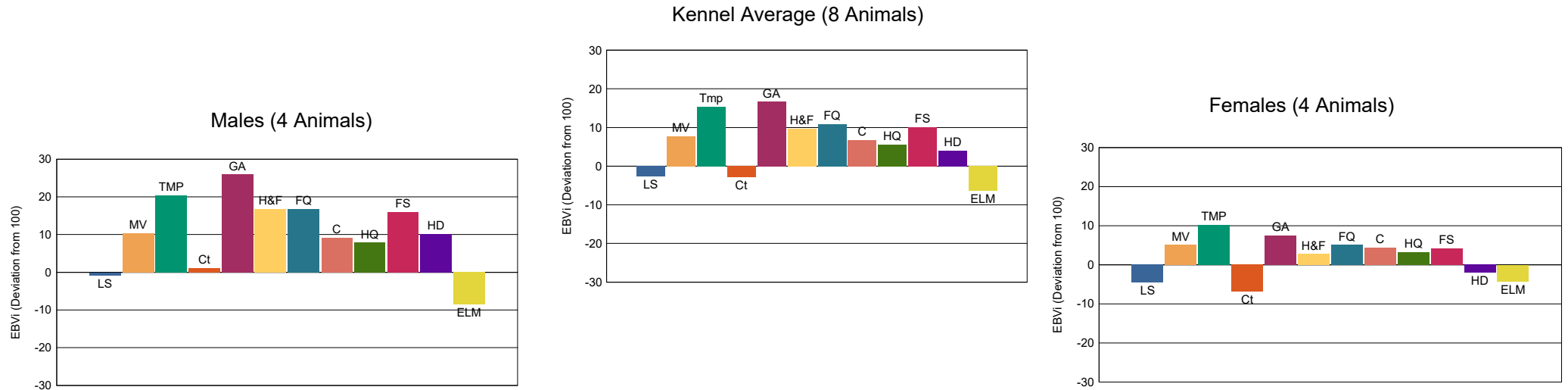
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	97	99	96
Movement (Mv)	108	110	105
Temperament (Tmp)	115	120	110
Coat (Ct)	97	101	93
General Appearance	117	126	107
Head & Face (H&F)	110	117	103
Front Quarter (FQ)	111	117	105
Centre (C)	107	109	104
Hind Quarter (HQ)	106	108	103
Final Score (FS)	110	116	104
Hip Health (HH)	104	110	98
Elbow Health (ELM)	94	91	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.

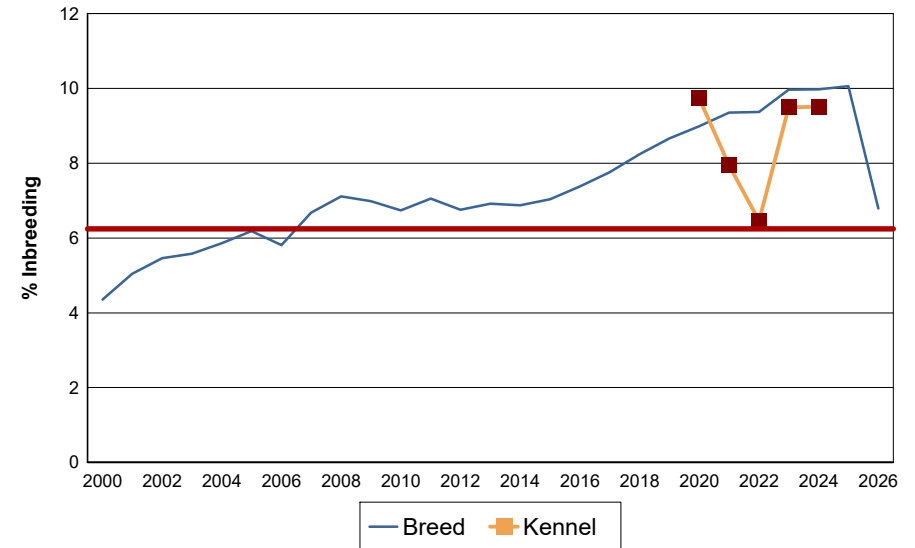
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

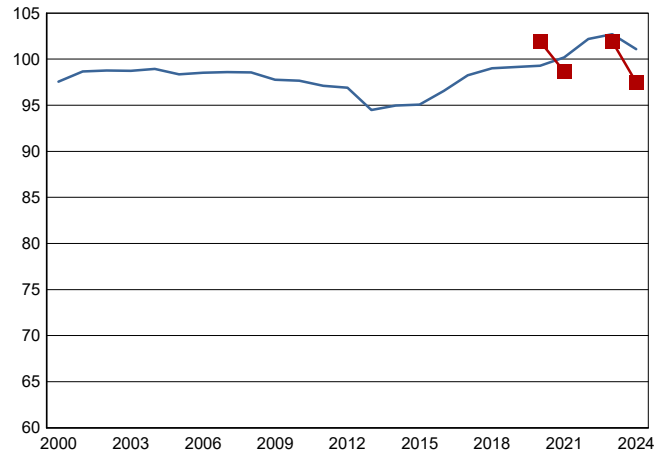


Inbreeding Levels

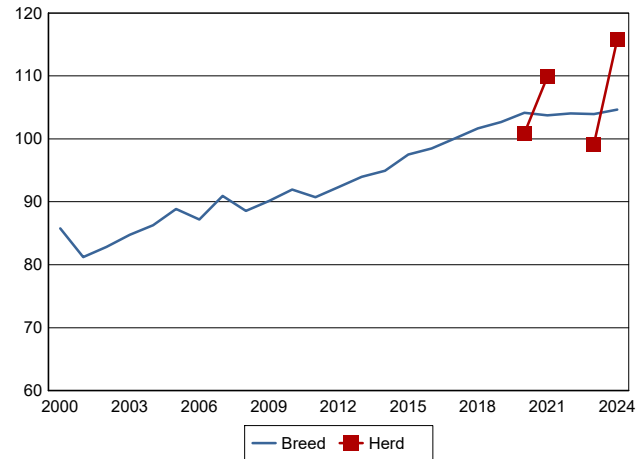
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	4	25141	4	23857	7	3371	7	6287
Average Inbreeding	9.34	8.49	9.94	8.46	8.74	8.53	8.38	8.01	6.74	8.00
Number inbred	8	48727	4	24990	4	23728	7	24990	7	23728
Number >6.25% Inbr.	6	30600	3	15537	3	15058	3	15537	3	15058

Genetic Trends

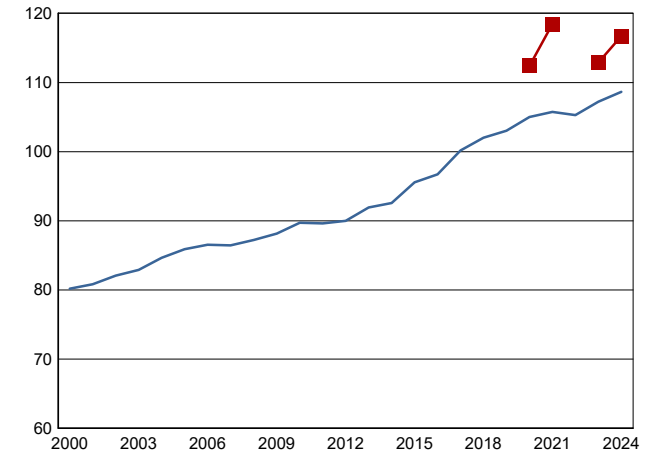
Litter Size



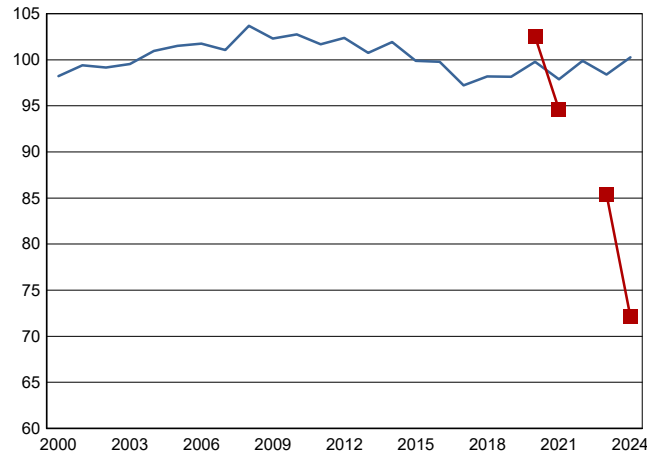
Movement



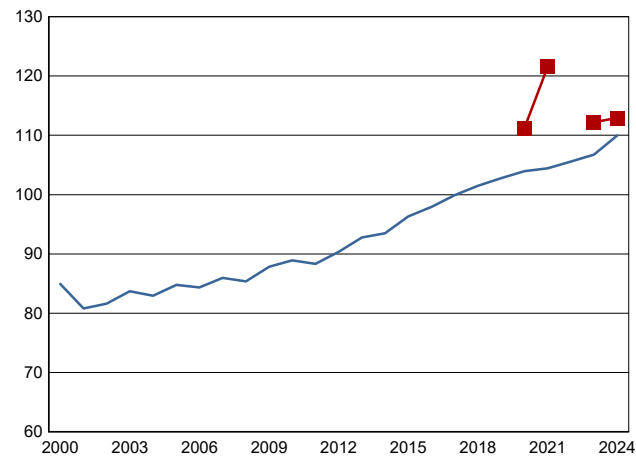
Temperament



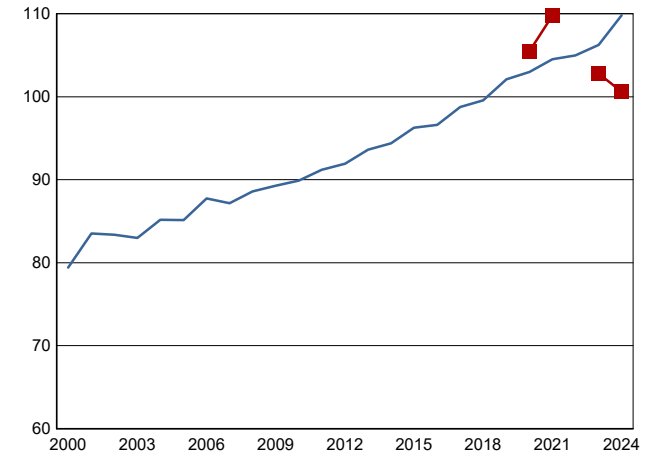
Coat



General Appearance

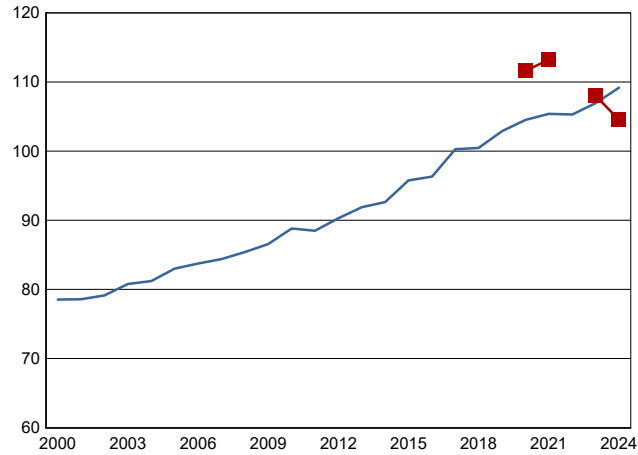


Head & Face

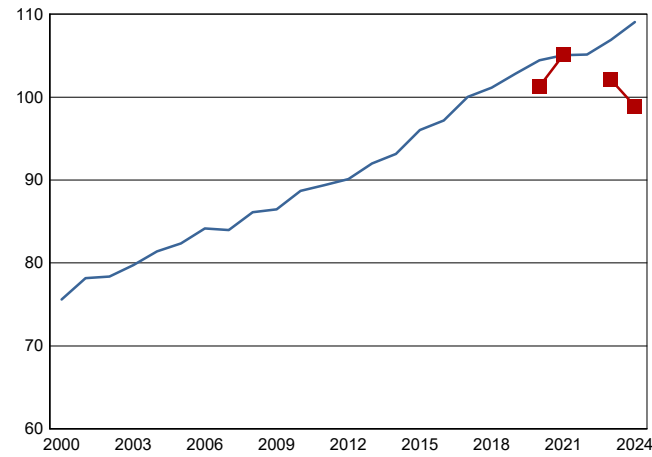


Genetic Trends

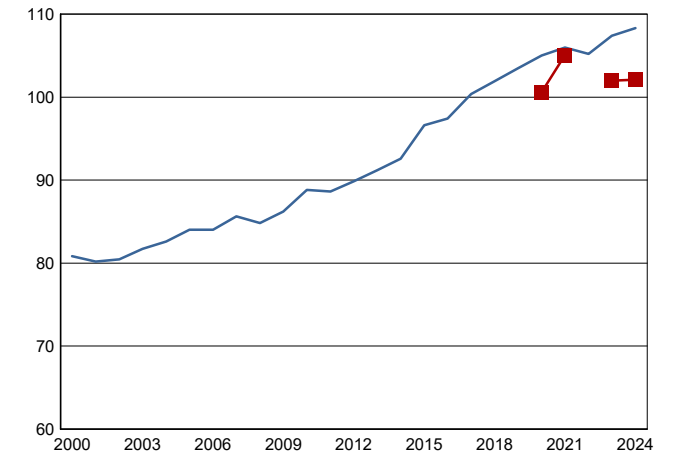
Front Quarter



Centre

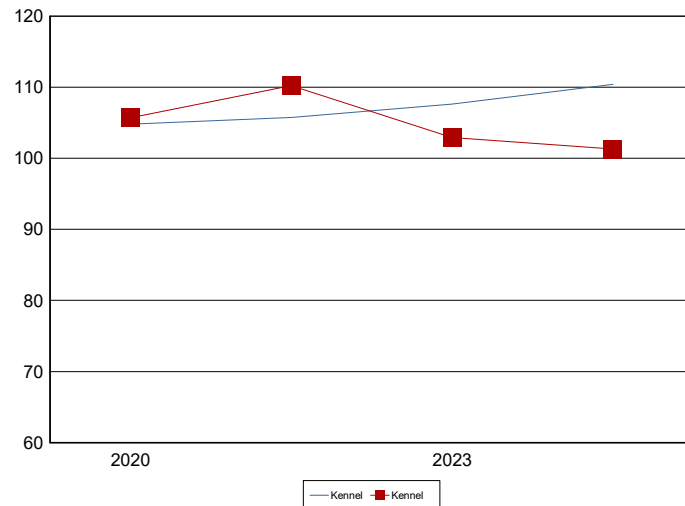


Hind Quarter

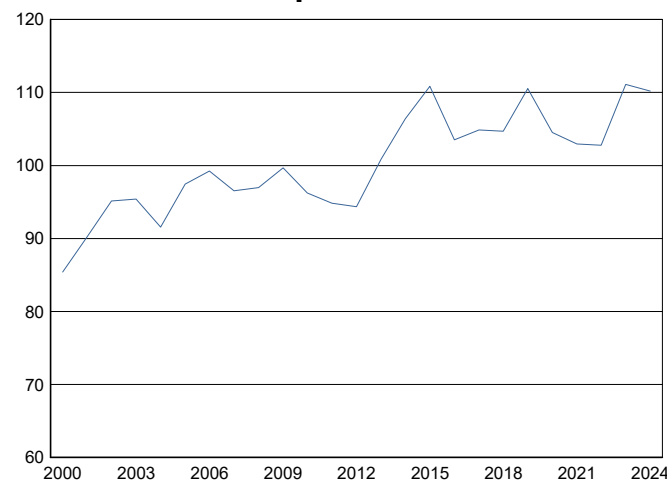


Final Score & Health Traits

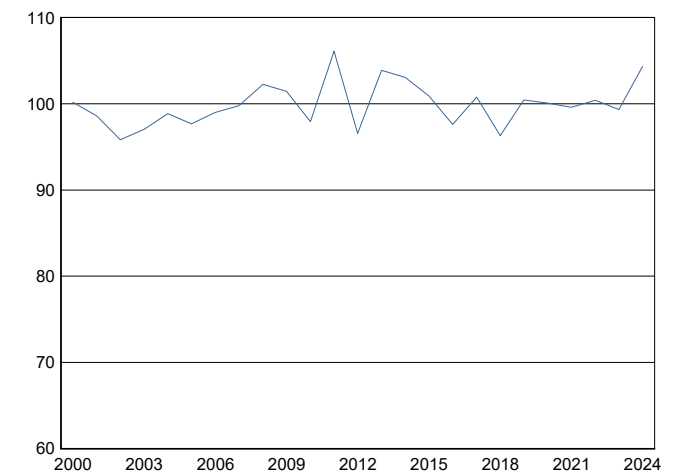
Final Score



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	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 GUNNER		ELEVATION DAX	17.49	105	81	98	110	127	101	130	119	123	110	108	118	37	6	8			4
	2017	ELEVATION BOEBOE		5	21	37	60	39	72	59	71	60	62	64	68						1
MALAKAS PRADO		ELEVATION GUNNER	5.80	109	93	97	120	119	96	119	105	110	101	106	108	11	1	1			
	2021	DELATRO CARA		5	5	7	43	13	60	42	59	44	46	49	54						
PIONEER MATAI		MIDDELPOS BBD BRUCE ALMIGHTY	7.14	118	100	104	100	121	114	140	140	129	125	113	132						
	2024	MALAKAS HONEY		5	5	7	46	18	60	41	59	46	48	51	55						
MALAKAS MAKAVELI		MALAKAS PRADO	9.34	108	92	98	112	116	94	115	103	105	102	105	106						
	2024	RAINAISANCE STARFIRE		5	5	5	27	5	41	27	40	27	30	32	36						

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 Progeny	Litters Litters	Progeny Kennels	Hips Elbows	Progeny with litters
KLOPDISSELBOOM MARLEY	2017	ALPHONSE ALDO KLOPDISSELBOOM MAMA AFRICA	6.00	96 5	100 5	106 33	89 51	99 25	70 67	95 50	87 66	93 51	94 54	96 56	88 61	16	2	4 4		2 1
MINTAKAROO KORANNA	2021	CDH CHAMP MINTAKAROO KHALIFA	8.96	91 5	109 5	83 13	100 44	104 14	105 61	105 43	112 60	105 45	108 47	95 50	107 55					
ARTIFACTS GHANDA	2021	AFRIKA GHUNTER ARTIFACTS ZANDA	10.67	97 5	82 5	95 24	120 43	122 20	103 52	115 43	109 52	117 44	114 45	116 46	117 49	1	1			
MALAKAS LEGION	2024	MALAKAS PRADO RAINAISANCE STARFIRE	9.34	108 5	92 5	98 5	112 27	116 5	94 41	115 27	103 40	105 27	102 30	105 32	106 36					

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
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	with litters
ALPHONSE ALDO		MIDDELPOS BBD ALPHA	4.15	98	117	102	88	109	70	101	108	105	105	103	102	65	14			14
	2015	EGOLI BBD LUCY		17	21	50	70	48	82	70	81	71	73	75	78					4
ELEVATION DAX		GROENBERG BBD RAMBO	4.48	103	71	100	117	125	107	128	132	122	115	116	128	131	24	14	14	51
	2015	HAZENJACHT BBD FIELLA		53	66	69	84	68	90	83	90	84	85	86	88					9
MIDDELPOS BBD BRUCE ALMIGHTY		AFRIKA LEO 5	5.84	127	106	106	86	104	108	119	125	112	109	111	117	48	8	2	2	16
	2017	MIGHTY AFRIKA ZELLIE		32	49	37	69	44	82	68	81	70	72	74	78					5
ELEVATION GUNNER		ELEVATION DAX	17.49	105	81	98	110	127	101	130	119	123	110	108	118	37	6			4
	2017	ELEVATION BOEBOE		5	21	37	60	39	72	59	71	60	62	64	68					1
AFRIKA GHUNTER		MES RUBENSTEIN	9.30	93	66	103	113	135	118	138	125	129	122	119	130	227	37	1	1	32
	2018	DORSLAND EMMA		19	33	49	79	57	88	79	88	79	81	83	86					11
CDH CHAMP		TARGUS BOM BOEL	11.62	95	110	77	94	115	82	112	107	110	119	110	110	13	2			
	2019	CDH MIA		5	5	39	59	37	73	59	72	60	62	64	68					
MALAKAS PRADO		ELEVATION GUNNER	5.80	109	93	97	120	119	96	119	105	110	101	106	108	11	1			
	2021	DELATRO CARA		5	5	7	43	13	60	42	59	44	46	49	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-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny	Litters	Progeny Kennels	Hips	Elbows	
ELEVATION BOEBOE	2014	GROENBERG BBD RAMBO	3.80	107	91	96	103	120	88	131	105	114	116	109	111	15	2	7			4
		ELEVATION FUDGE		23	32	58	67	49	78	66	78	67	69	71	74			7			1
KLOPDISSELBOOM MAMA AFRICA	2015	MIDDELPOS BBD MAL JAN	4.57	95	84	107	97	95	107	95	83	92	90	95	89	12	2	6			5
		PENINSULA LILLIAN		5	5	36	47	19	61	46	60	47	49	52	56			6			2
DELATRO CARA	2016	DELATRO UWE	10.57	113	106	96	120	111	105	115	108	106	104	111	111	11	2	6			4
		DELATRO NONNA		5	5	14	44	5	61	43	60	45	48	50	56			5			2
MINTAKAROO KHALIFA	2018	DELMA MINTAKAROO MADALA	4.78	87	107	90	105	97	120	95	108	99	97	87	101	11	2	3			
		MINTAKAROO NO-HESITATION		5	5	28	41	15	56	41	55	42	44	46	51			3			
ARTIFACTS ZANDA	2020	ARTIFACTS YSTER	10.10	101	99	90	127	110	89	91	94	105	106	113	104	9	1	2			1
		TREBLA PATAT		5	5	27	45	18	59	45	58	46	48	50	54			2			1
RAINAISANCE STARFIRE	2021	ATKINS X-FACTOR	7.59	108	91	98	104	113	92	112	101	100	102	105	103	16	3	1			
		RAINAISANCE LANA		5	5	25	47	22	61	48	61	48	50	52	57			1			
MALAKAS HONEY	2021	ELEVATION GUNNER	5.80	109	93	103	115	128	114	139	129	128	115	104	125	13	2	9			2
		DELATRO CARA		5	5	17	52	22	69	51	68	53	55	58	64			6			1

