

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 COLOS BOERBOELS

POSBUS 8502

0

HALFWAY HOUSE

1685



Kennel Number: 682233



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.

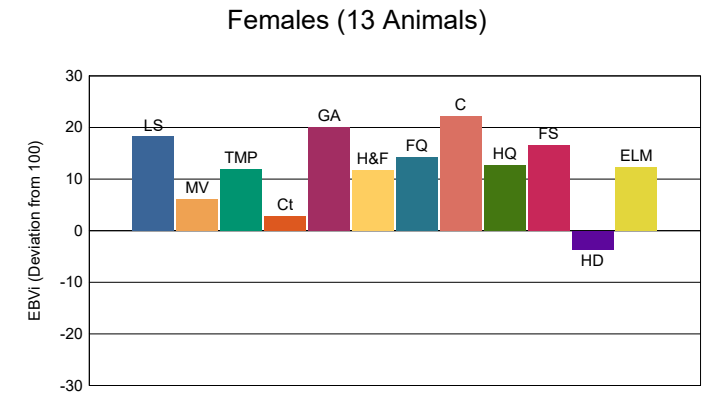
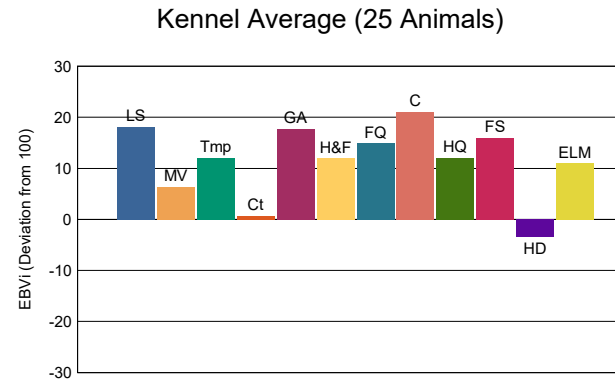
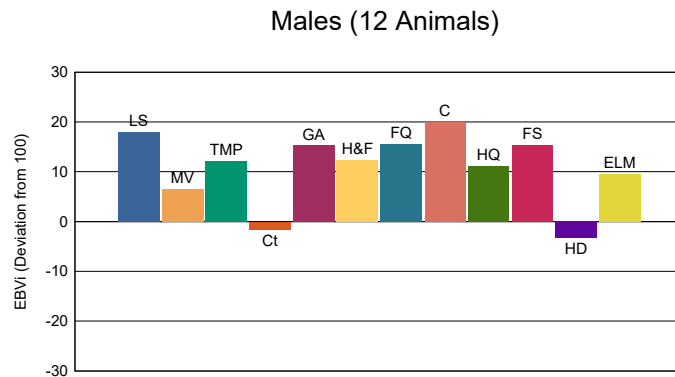
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	118	118	118
Movement (Mv)	106	107	106
Temperament (Tmp)	112	112	112
Coat (Ct)	101	98	103
General Appearance	118	115	120
Head & Face (H&F)	112	112	112
Front Quarter (FQ)	115	116	114
Centre (C)	121	120	122
Hind Quarter (HQ)	112	111	113
Final Score (FS)	116	115	117
Hip Health (HH)	97	97	96
Elbow Health (ELM)	111	109	112

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.

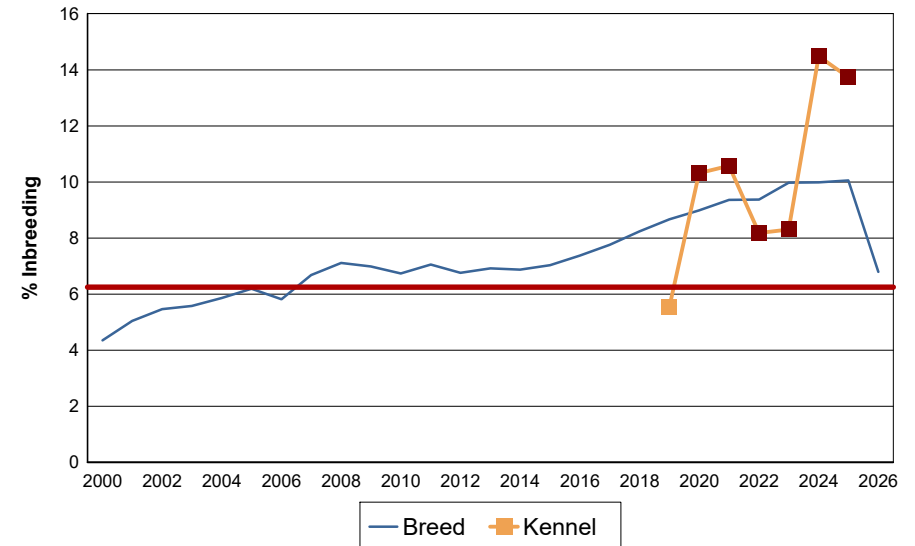
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

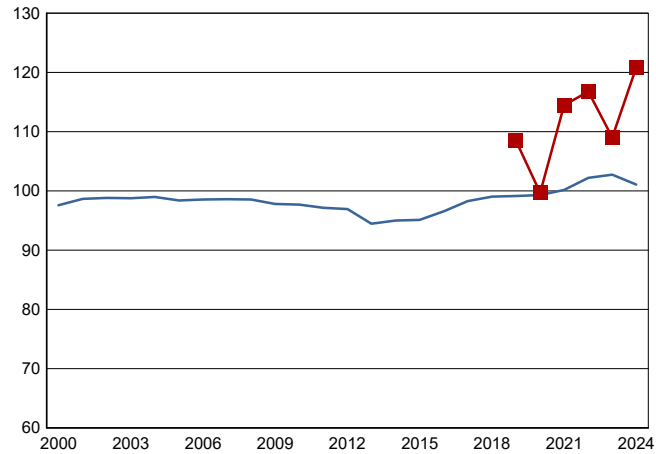


Inbreeding Levels

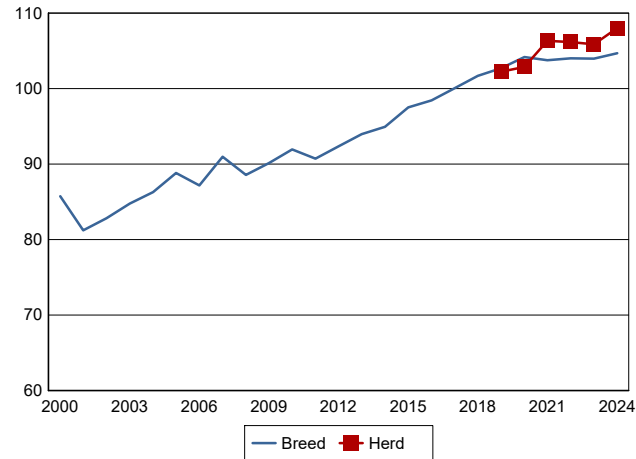
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	25	49007	12	25141	13	23857	12	3371	12	6287
Average Inbreeding	10.34	8.49	10.86	8.46	9.85	8.53	9.24	8.01	10.53	8.00
Number inbred	25	48727	12	24990	13	23728	12	24990	12	23728
Number >6.25% Inbr.	22	30600	11	15537	11	15058	8	15537	10	15058

Genetic Trends

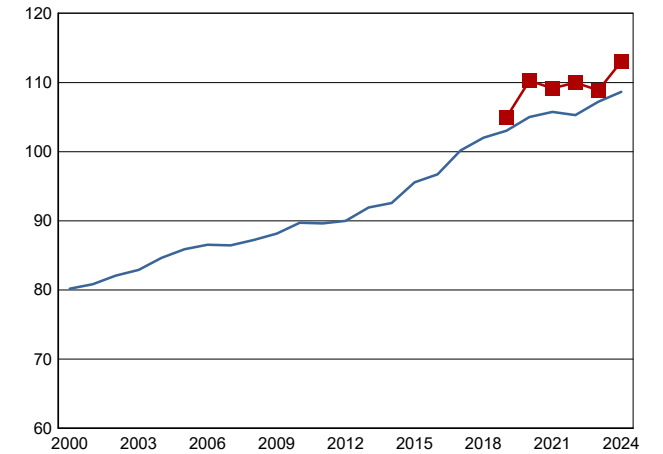
Litter Size



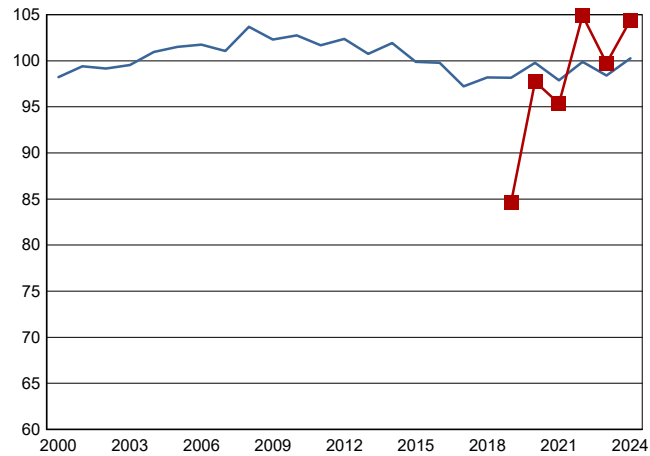
Movement



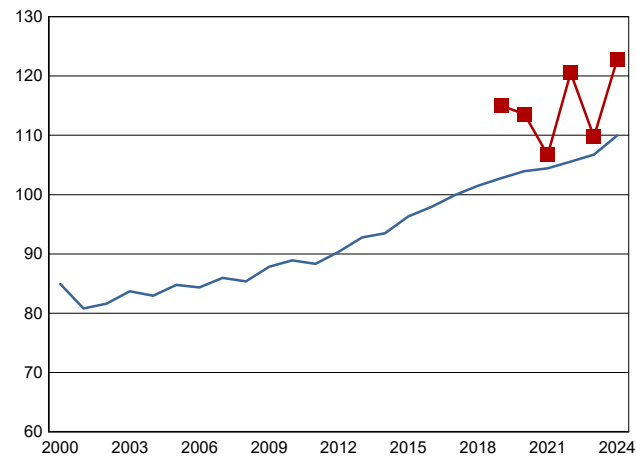
Temperament



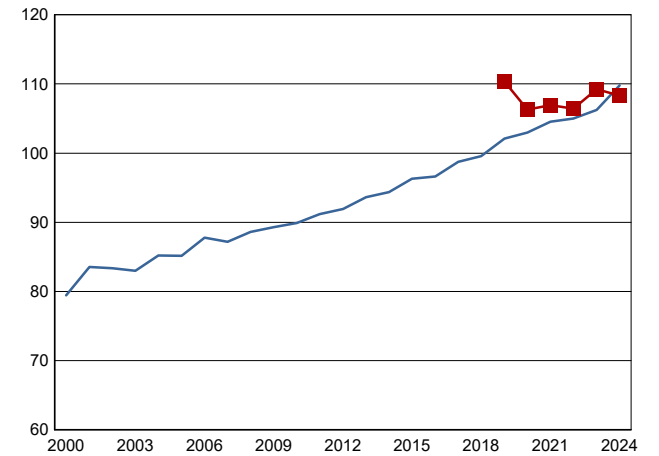
Coat



General Appearance

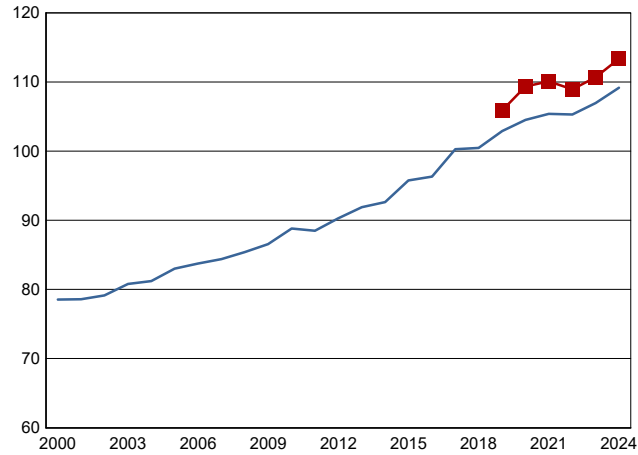


Head & Face

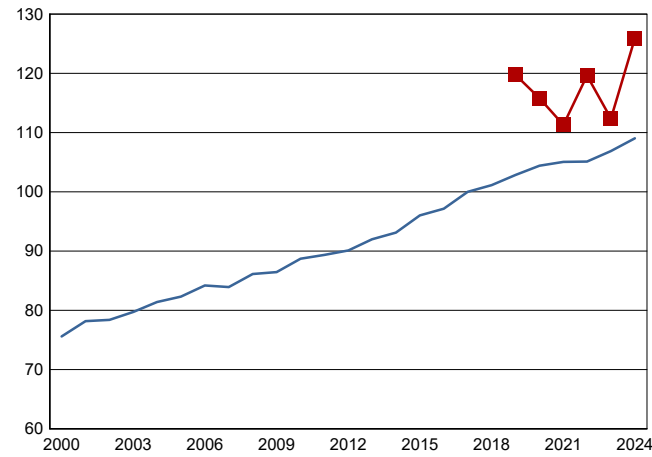


Genetic Trends

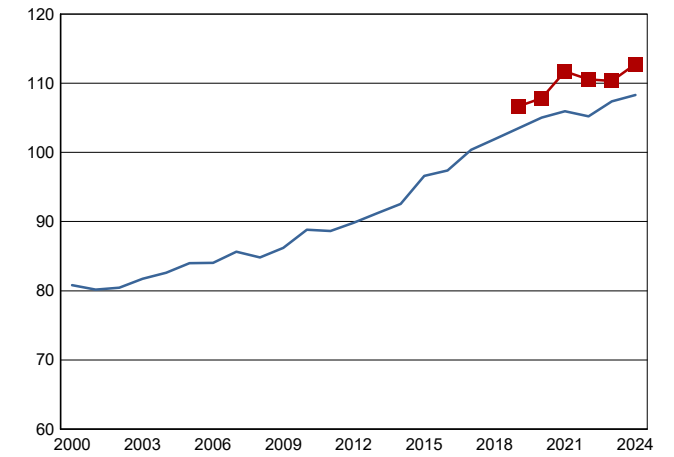
Front Quarter



Centre

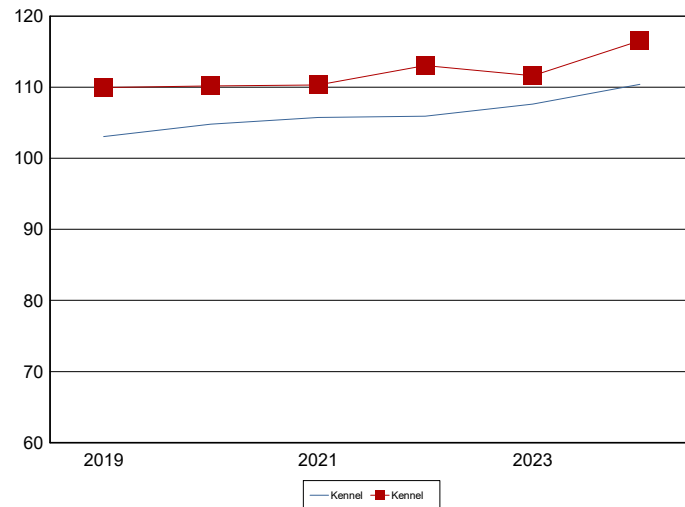


Hind Quarter

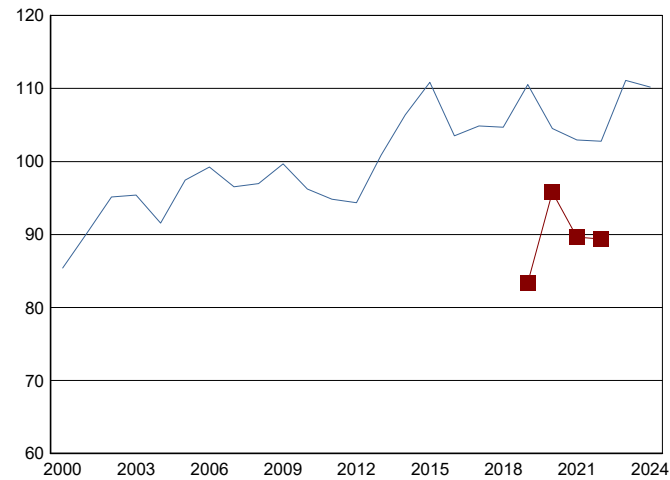


Final Score & Health Traits

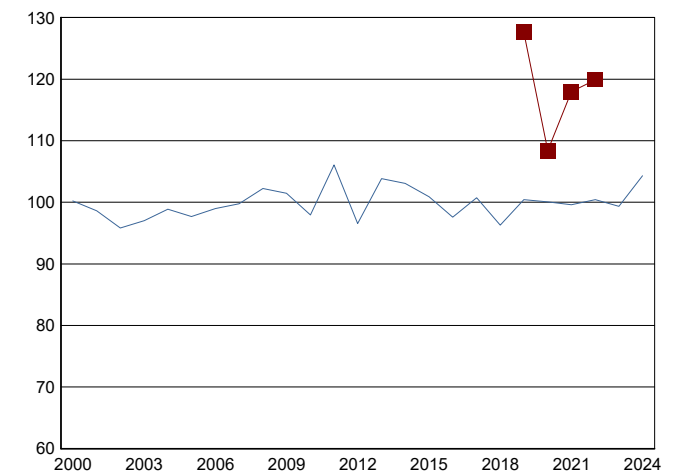
Final Score



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	Sire	%	Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	litters
BYr	Dam		Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score			Kennels			
COLOS BAAS	TARGUS RAM	5.55	83	128	112	98	109	77	114	118	113	126	108	114	53	7	5	2	2	5
	2019 KLEIN SANDFONTEIN AKITA		5	10	39	61	39	74	61	73	61	63	65	69			4			1
HERBERG BUFFEL	MES GUZMAN	9.14	97	96	105	117	113	104	112	116	118	115	114	118	8	1				
	2023 ALESSANDRO JANI		5	5	15	48	18	66	48	65	49	52	54	60						
COLOS DOZER I	BODINGTON BOERBOEL DRAX THE DESTROYER	6.32	98	99	120	107	105	84	87	98	106	98	109	101						
	2023 MES ANIKA		5	5	18	35	5	48	35	47	36	38	40	44						
COLOS ATLAS	COLOS MAXIMUS	8.94	93	115	130	113	114	113	124	103	113	126	109	115	5	1				
	2024 COLOS ALEXA		5	5	16	46	15	64	47	63	47	50	53	58						
COLOS REUS	COLOS MAXIMUS	20.22	93	113	105	105	112	106	125	112	112	124	112	117						
	2024 COLOS RIKKA		5	5	5	25	5	45	25	44	26	30	33	39						
SKB REBEL	AFRIKA ROLLO	12.93	117	92	124	119	121	105	115	111	121	114	118	118						
	2024 AFRIKA JADE 8		5	5	5	32	5	45	32	45	33	35	37	41						
COLOS ARNOLD	TRUE COLOS ANGUS	12.91	89	117	130	105	103	115	118	105	107	119	107	111						
	2025 COLOS ALEXA		5	5	5	24	5	41	25	40	25	28	31	36						
COLOS BULLET 4	COLOS BAAS	13.66	93	118	110	103	113	90	119	112	113	126	115	117						
	2025 COLOS AVA		5	5	5	30	5	45	30	44	31	33	36	40						
COLOS DAART	AFRIKA DOPPIES	7.40	103	107		101	115	93	115	120	123	122	110	118						
	2025 COLOS ANNABELL		5	5		32	5	47	32	46	33	35	37	42						

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- rument	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels		Hips	Elbows	
COLOS 297		AFRIKA DOPPIES	7.40	103	107		101	115	93	115	120	123	122	110	118						
	2025	COLOS ANNABELL		5	5		32	5	47	32	46	33	35	37	42						
COLOS MIA 5		AFRIKA DOPPIES	7.40	103	107		101	115	93	115	120	123	122	110	118						
	2025	COLOS ANNABELL		5	5		32	5	47	32	46	33	35	37	42						
COLOS 307		COLOS ATLAS	18.43	91	116	118	109	112	108	126	113	115	127	112	119						
	2025	COLOS RIKKA		5	5	5	16	5	39	16	38	18	22	26	32						

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	
COLOS ALEXA	2022	TARGUS BLOK	5.47	89	122	157	121	113	120	126	107	117	126	110	119	32	3	2 1			1
		KLEIN SANDFONTEIN AKITA		5	5	46	54	28	69	54	68	55	57	59	64						1
COLOS AZARA	2022	COLOS MAXIMUS	7.06	103	117	142	100	107	103	126	112	106	120	112	115	13	1				
		KLEIN SANDFONTEIN AKITA		5	5	31	50	22	66	50	65	51	53	56	61						
COLOS AVA	2022	COLOS MAXIMUS	8.54	102	109	108	109	118	104	124	107	113	126	122	119	12	2	1 1			1
		COLOS ANNABELLA		5	5	31	48	16	66	48	65	49	51	54	60						1
COLOS RIKKA	2022	COLOS RENOSTER	7.53	90	117	107	105	111	103	128	122	116	128	114	122	11	2				
		SPITSVUUR BBD KIRA		5	5	30	46	18	64	46	63	47	49	52	58						
COLOS RINA	2023	COLOS RENOSTER	8.08	94	103	102	102	109	104	121	118	113	119	111	118						
		COLOS MIKA		5	5	21	45	18	62	45	61	46	48	51	56						
COLOS MIA III	2023	AFRIKA SAKABULA	9.81	116	89	104	110	106	98	87	91	107	98	112	101						
		KLEIN SANDFONTEIN MILA		5	17	31	51	25	67	50	66	52	54	56	61						
COLOS ANNABELL	2024	COLOS BAAS	13.66	93	118	114	97	115	95	121	120	117	133	122	123	11	1				
		COLOS AVA		5	5	17	41	5	61	42	60	42	45	48	55						
COLOS MAXINE	2024	COLOS MAXIMUS	8.94	93	115	130	117	117	113	129	104	116	126	112	117						
		COLOS ALEXA		5	5	16	47	15	64	47	63	47	50	53	58						
COLOS AKITA	2024	TARGUS RAM	5.55	83	128	109	105	107	97	118	106	107	118	108	110						
		KLEIN SANDFONTEIN AKITA		5	10	38	58	37	70	58	69	58	60	62	66						
COLOS RIA	2024	COLOS MAXIMUS	20.22	93	113	105	105	112	106	125	112	112	124	112	117						
		COLOS RIKKA		5	5	5	25	5	45	25	44	26	30	33	39						
COLOS XENA I	2025	AFRIKA DOPPIES	7.40	103	107		101	115	93	115	120	123	122	110	118						
		COLOS ANNABELL		5	5		32	5	47	32	46	33	35	37	42						

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	
COLOS DAKOTA II		AFRIKA DOPPIES	7.40	103	107		101	115	93	115	120	123	122	110	118						
	2025	COLOS ANNABELL		5	5		32	5	47	32	46	33	35	37	42						
COLOS SHADOW I		COLOS ATLAS	18.43	91	116	118	109	112	108	126	113	115	127	112	119						
	2025	COLOS RIKKA		5	5	5	16	5	39	16	38	18	22	26	32						

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	
TARGUS RAM		SPITSVUUR BBD TOKARA DRIFTER	11.20	57	129	70	99	99	82	105	100	100	111	91	98	269 46	77 56	3 3	44 14		
	2017	TARGUS RINA		14	30	60	82	62	90	82	90	83	84	85	88						
BODINGTON BOERBOEL DRAX THE DESTROYER		MIGHTY SHEAMUS	4.12	96	102	94	102	104	76	84	97	101	95	111	98	32 5	4 3		2 1		
	2018	BODINGTON BOERBOEL SCARLETT		5	5	29	49	23	62	48	62	49	51	54	58						
TARGUS BLOK		TARGUS RAM	20.44	68	117	110	113	105	114	102	93	108	110	97	102	36 6	8 8	1 1	5 2		
	2018	TOKARA KENDALL		5	5	44	63	37	77	62	76	64	66	68	72						
AFRIKA DOPPIES		AFRIKA PATRON	7.06	113	95	128	104	114	92	110	120	129	111	98	113	65 9	12 9	1 1	3 2		
	2019	AFRIKA MAYA V		12	26	36	62	36	77	61	76	63	65	67	72						
COLOS RENOSTER		TARGUS RAM	5.55	83	128	96	104	106	105	123	121	113	125	110	120	39 8	9 8		4 2		
	2019	KLEIN SANDFONTEIN AKITA		5	10	40	61	39	73	61	73	61	63	65	69						
COLOS BAAS		TARGUS RAM	5.55	83	128	112	98	109	77	114	118	113	126	108	114	53 7	5 4	2 2	5 1		
	2019	KLEIN SANDFONTEIN AKITA		5	10	39	61	39	74	61	73	61	63	65	69						
COLOS MAXIMUS		CDH THUNDER	10.67	96	108	103	105	113	109	123	103	108	121	111	113	103 16	19 12	3 2	10 3		
	2020	SPITSVUUR BBD KIRA		5	5	37	64	36	79	64	79	65	67	70	75						
MES GUZMAN		MES PETER PAN	13.36	95	97	99	106	120	96	119	116	125	119	117	120	16 4	3 3		2 2		
	2020	MES MIEKI		5	5	23	55	27	72	55	71	56	58	61	66						
AFRIKA ROLLO		AFRIKA GHUNTER	7.67	106	86	112	104	118	107	122	134	137	116	108	126	73 11	6 3		2 2		
	2020	AMADEO AZURA		5	18	33	62	38	76	62	75	63	65	67	72						
AFRIKA SAKABULA		MES RUBENSTEIN	6.23	125	89	103	102	101	98	81	100	102	85	113	100	62 8	30 9	4 4	6 1		
	2021	AFRIKA SAKABEKKIE		43	57	46	71	49	82	70	82	71	73	75	79						
TRUE COLOS ANGUS		COLOS MAX	10.06	88	113	103	89	93	110	110	102	97	111	105	104	17 3					
	2023	TRUE PANTERA		5	5	5	38	5	57	39	55	39	41	44	50						
COLOS ATLAS		COLOS MAXIMUS	8.94	93	115	130	113	114	113	124	103	113	126	109	115	5 1					
	2024	COLOS ALEXA		5	5	16	46	15	64	47	63	47	50	53	58						

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	
SPITSVUUR BBD KIRA	2018	SPITSVUUR BBD SWARTKOP	5.74	97	106	117	99	111	99	121	109	111	119	109	112	47	6	12	1	1	8
		MADDOX MANTIUM KARA		5	5	38	52	28	68	52	67	53	55	58	63			10			1
KLEIN SANDFONTEIN AKITA	2018	KLEIN SANDFONTEIN NUTCRACKER	7.47	110	126	148	108	109	102	127	117	110	124	118	120	42	7	21	2	2	16
		KLEIN SANDFONTEIN PIPER		16	36	57	68	43	81	68	80	69	71	73	77			15			1
ALESSANDRO JANI	2018	MIDDELPOS BBD JOCK 1	7.46	98	95	110	126	109	115	106	98	105	114	125	114	33	5	11			7
		KLEIN SANDFONTEIN ZUZU		5	5	46	62	39	76	62	75	63	65	67	72			9			2
KLEIN SANDFONTEIN MILA	2019	KLEIN SANDFONTEIN HUEY	11.86	107	88	104	111	118	97	104	96	119	113	120	111	40	5	6			4
		MES O` HARA		5	19	60	58	36	71	56	70	59	61	63	67			5			1
COLOS ANNABELLA	2021	CDH HUNTER I	10.03	109	110	118	113	115	90	115	106	109	118	122	115	16	2	3			2
		KLEIN SANDFONTEIN AKITA		5	5	43	51	23	68	51	67	52	54	57	62			3			1
COLOS MIKA	2021	ELEVATION DAX	15.28	105	79	109	109	118	103	118	115	118	115	117	119	13	2	4			1
		KLEIN SANDFONTEIN MILA		5	20	49	54	33	66	51	65	54	56	58	62			4			1
MES ANIKA	2021	MES FELIX BOETA	20.53	100	95	146	112	106	92	89	99	112	101	108	103	25	3	3			1
		TAKATSO MARAAI		5	5	44	58	29	73	57	72	59	61	63	68			2			1
COLOS ALEXA	2022	TARGUS BLOK	5.47	89	122	157	121	113	120	126	107	117	126	110	119	32	3	2			1
		KLEIN SANDFONTEIN AKITA		5	5	46	54	28	69	54	68	55	57	59	64			1			1
COLOS AVA	2022	COLOS MAXIMUS	8.54	102	109	108	109	118	104	124	107	113	126	122	119	12	2	1			1
		COLOS ANNABELLA		5	5	31	48	16	66	48	65	49	51	54	60			1			1
COLOS RIKKA	2022	COLOS RENOSTER	7.53	90	117	107	105	111	103	128	122	116	128	114	122	11	2				
		SPITSVUUR BBD KIRA		5	5	30	46	18	64	46	63	47	49	52	58						
AFRIKA JADE 8	2023	ELEVATION BENTO	12.77	127	99	137	134	125	103	108	87	105	112	127	111	25	2				
		AFRIKA DAYSIE II		5	10	37	45	16	60	44	59	46	48	50	55						
COLOS ANNABELL	2024	COLOS BAAS	13.66	93	118	114	97	115	95	121	120	117	133	122	123	11	1				
		COLOS AVA		5	5	17	41	5	61	42	60	42	45	48	55						

