

Boerboel Genetic Evaluation

SA Stud Book
February 2026

0 0 PARAGON BOERBOELS

23048 Holgar Court NE
Poulsbo
United States
98370



Kennel Number: 681200



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.

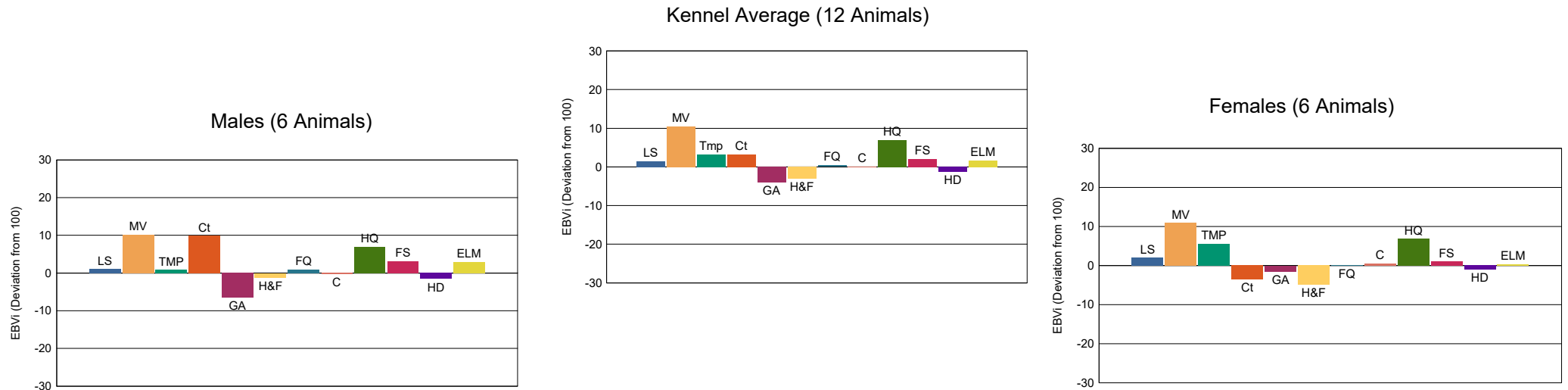
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	102	101	102
Movement (Mv)	111	110	111
Temperament (Tmp)	103	101	106
Coat (Ct)	103	110	97
General Appearance	96	93	99
Head & Face (H&F)	97	99	95
Front Quarter (FQ)	100	101	100
Centre (C)	100	100	101
Hind Quarter (HQ)	107	107	107
Final Score (FS)	102	103	101
Hip Health (HH)	99	98	99
Elbow Health (ELM)	102	103	100

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.

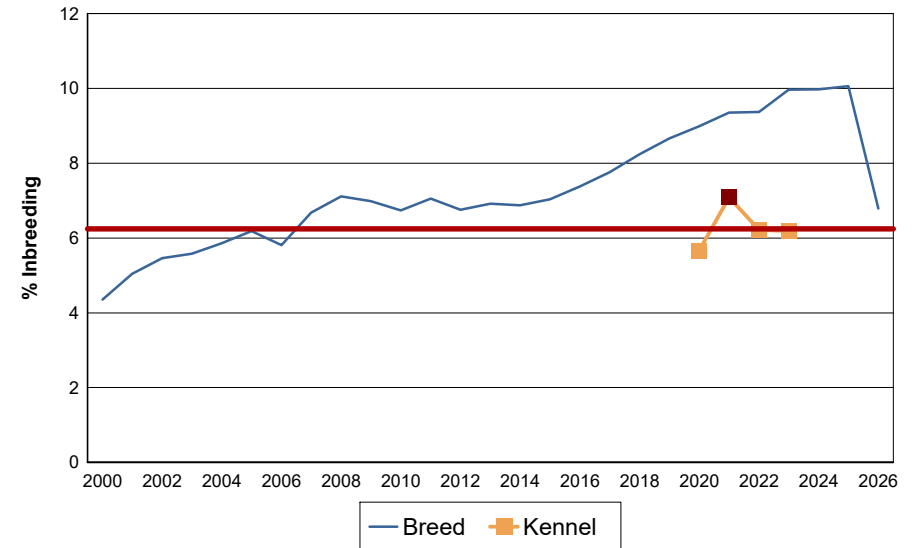
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

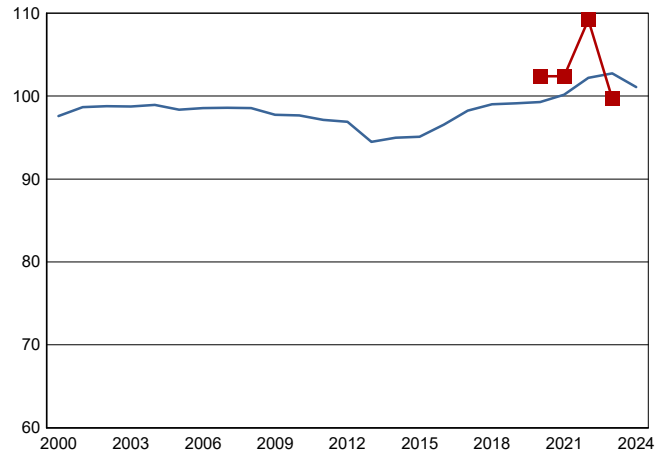


Inbreeding Levels

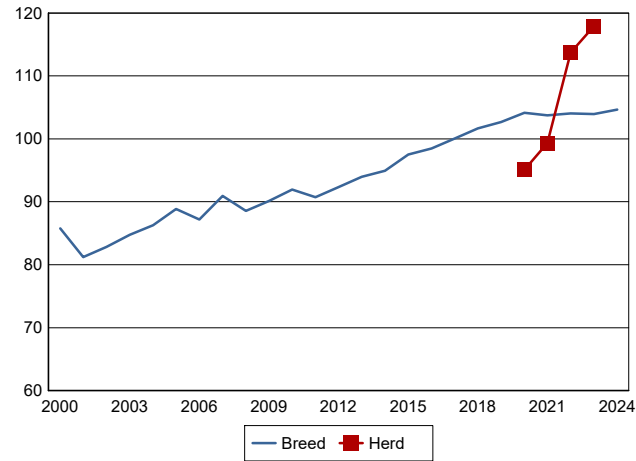
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	12	49007	6	25141	6	23857	5	3371	5	6287
Average Inbreeding	6.34	8.49	6.04	8.46	6.63	8.53	9.45	8.01	5.80	8.00
Number inbred	12	48727	6	24990	6	23728	5	24990	5	23728
Number >6.25% Inbr.	3	30600	2	15537	1	15058	3	15537	2	15058

Genetic Trends

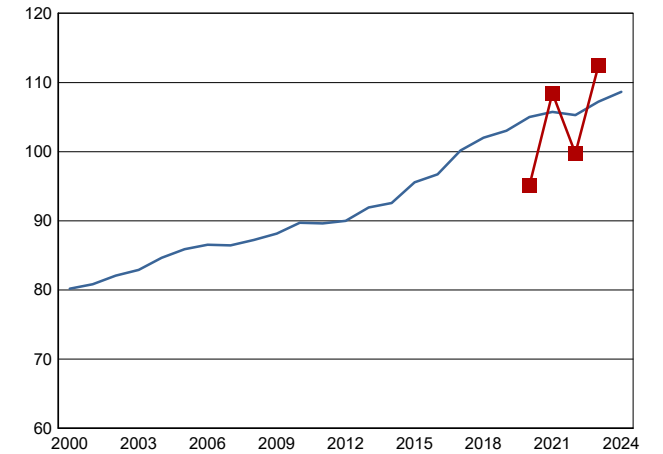
Litter Size



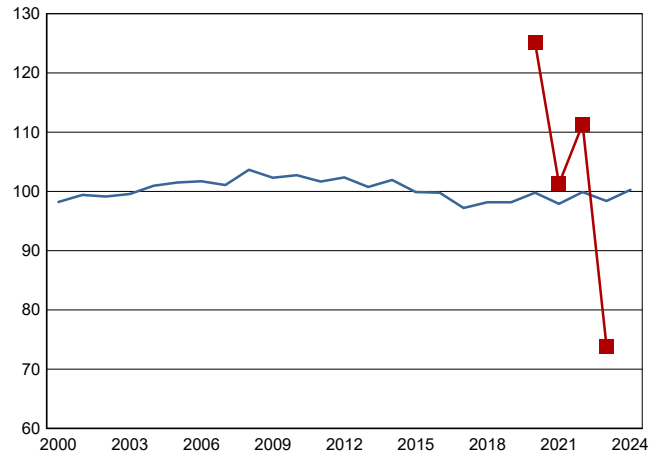
Movement



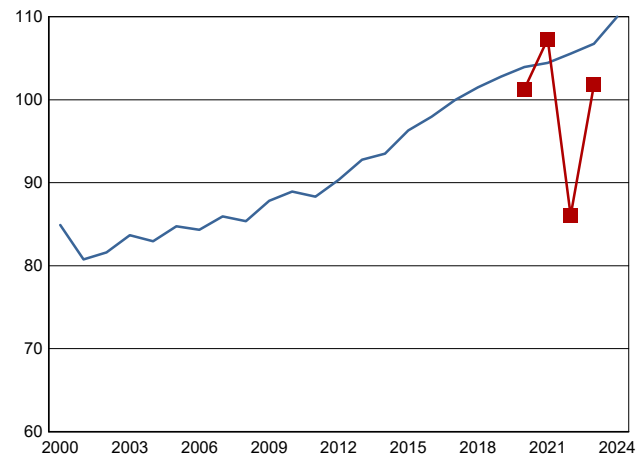
Temperament



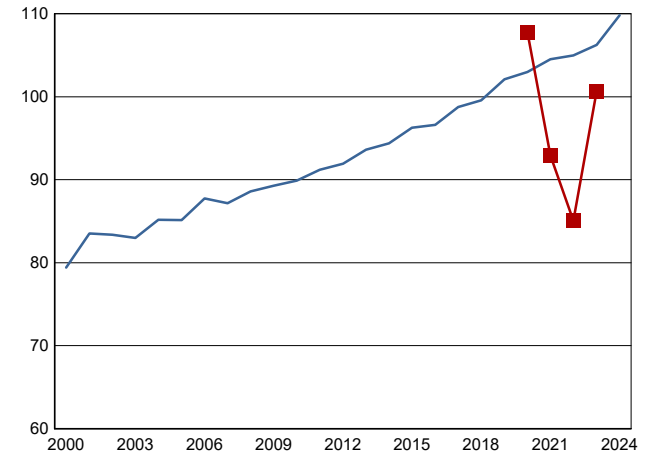
Coat



General Appearance

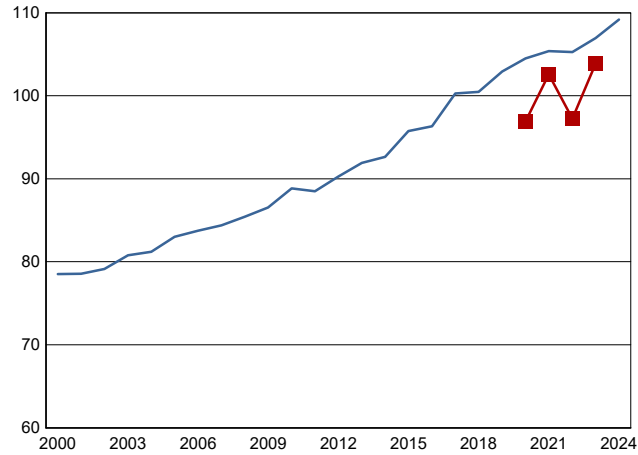


Head & Face

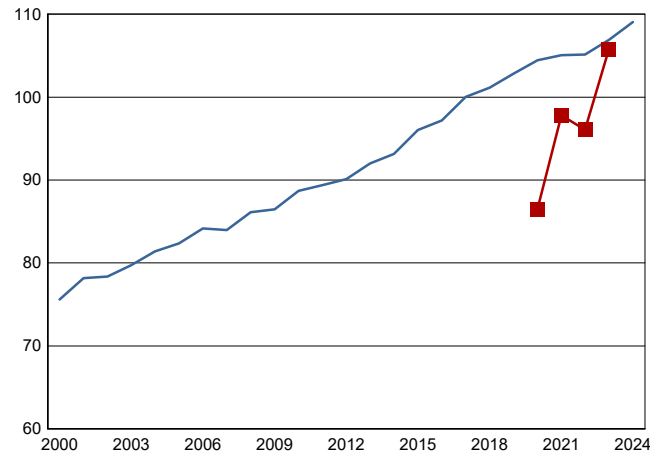


Genetic Trends

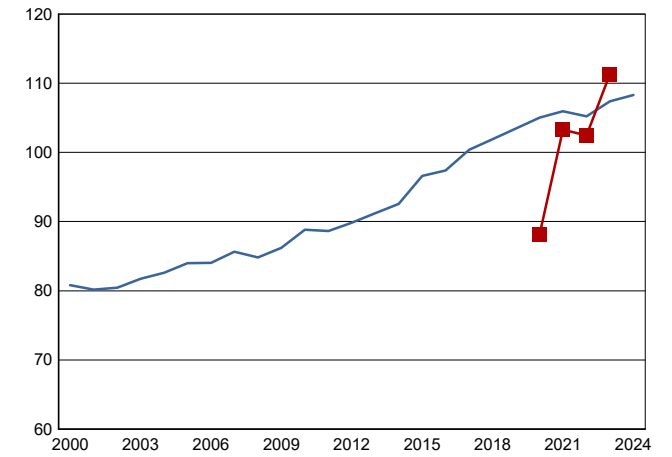
Front Quarter



Centre

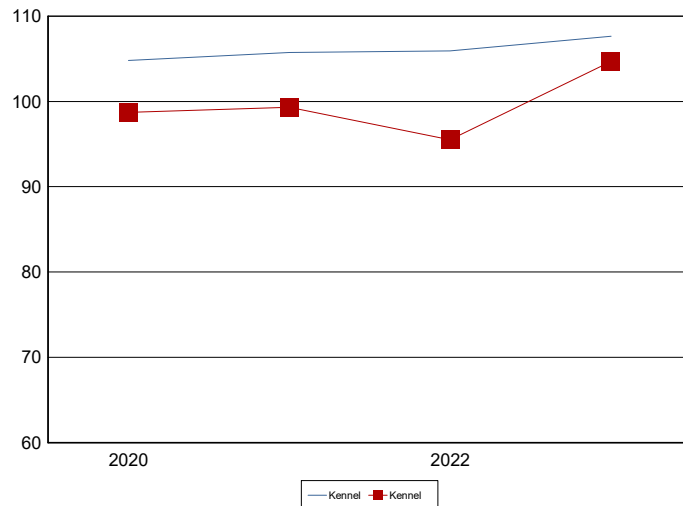


Hind Quarter

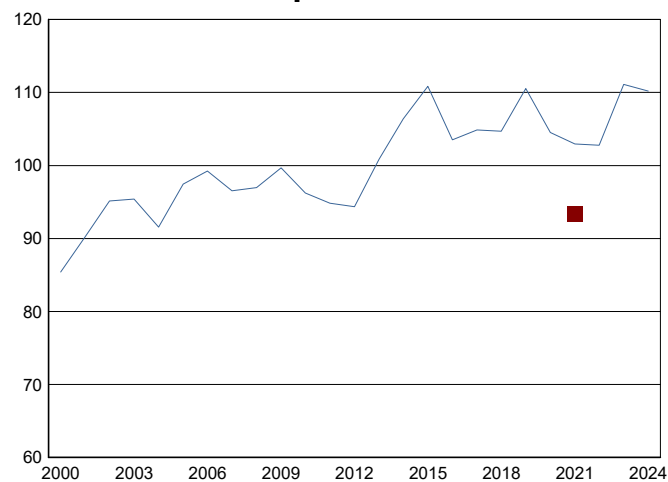


Final Score & Health Traits

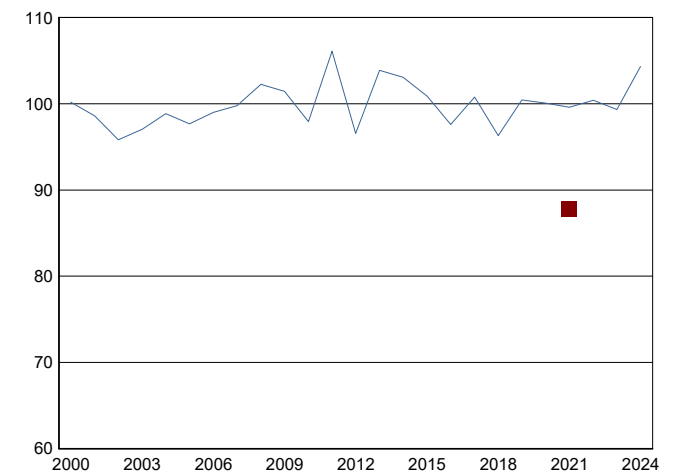
Final Score



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	
CLOVER K BUBBA		REDWOOD COAST BIG G	4.34	90	104	97	118	103	111	92	116	107	106	115	115	6	2	2			
	2020	BENAIHA NILA		5	5	5	38	5	59	37	57	39	42	45	52			1			
PARAGON OSO		ROKAFELA MAX	5.66	93	88	102	97	110	119	113	102	110	102	106	107						
	2021	JUBZ ZENA		5	5	12	45	18	62	45	61	46	49	51	57						
PARAGON ZEBADIAH		KLEIN WITWAL BBD SHOT CALLER	6.02	95	85	116	110	101	111	79	74	95	93	104	90						
	2022	JUBZ ZENA		5	5	11	45	17	62	44	61	46	48	51	56						
PARAGON QBERT		CLOVER K BUBBA	7.02	111	123	96	114	88	109	85	95	91	93	97	95						
	2022	KLEIN SANDFONTEIN DHARA		5	5	5	38	5	57	37	56	39	41	44	50						
PARAGON LUTHER		CLOVER K BUBBA	7.02	111	123	96	113	98	112	96	107	100	104	112	109						
	2022	KLEIN SANDFONTEIN DHARA		5	5	5	27	5	42	26	41	28	30	32	37						
PARAGON HANS		CLOVER K BUBBA	6.19	92	96	100	110	105	97	97	100	101	100	108	103						
	2023	PARAGON BUNNY		5	5	5	19	5	36	18	35	21	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	
KLEIN SANDFONTEIN DHARA		ZUKANDI BEAU	9.55	131	142	94	108	93	113	99	99	92	102	108	103	5	3	1			
	2017	KLEIN SANDFONTEIN EDEN		31	48	45	54	31	68	53	67	54	56	59	63			1			
PARAGON BUNNY		ROKAFELA MAX	5.66	93	88	102	102	107	84	102	84	95	94	100	92	4	1	1			
	2021	JUBZ ZENA		5	5	12	46	18	63	45	62	47	49	52	57			1			
PARAGON VIOLET		KLEIN WITWAL BBD SHOT CALLER	6.02	95	85	116	118	111	114	94	87	105	102	106	101						
	2022	JUBZ ZENA		5	5	11	44	16	60	43	59	45	47	49	54						
PARAGON TIGER LILY		CLOVER K BUBBA	6.19	92	96	100	118	112	74	102	101	104	106	111	105						
	2023	PARAGON BUNNY		5	5	5	34	5	55	32	54	35	38	41	48						
PARAGON SHIRA		CLOVER K BUBBA	6.19	92	96	100	110	105	97	97	100	101	100	108	103						
	2023	PARAGON BUNNY		5	5	5	19	5	36	18	35	21	23	26	31						
PARAGON GRACE		CLOVER K BUBBA	6.19	92	96	100	110	105	97	97	100	101	100	108	103						
	2023	PARAGON BUNNY		5	5	5	19	5	36	18	35	21	23	26	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	
ZUKANDI BEAU		KLEIN SANDFONTEIN BENJI	10.72	116	133	95	107	96	106	99	111	108	116	121	115	46 9	15 15	4 4		10 2
	2014	MIDDELPOS BBD NANDI		36	42	53	70	48	81	69	80	70	72	74	77					
ROKAFELA MAX		ELEVATION DAX	15.97	99	75	94	102	125	94	127	115	113	109	115	116	52 11	16 13	1 1		8 4
	2017	ELEVATION EVA		5	19	42	66	44	79	66	78	67	69	71	75					
KLEIN WITWAL BBD SHOT CALLER		MES RUBENSTEIN	4.80	101	70	121	127	135	116	113	99	127	121	126	121	29 6	7 6			5 3
	2017	SA SUPERIOR PEPSI		5	20	42	65	44	77	64	76	66	67	69	73					
REDWOOD COAST BIG G		MIGHTY MALU	11.43	106	121	89	104	96	116	99	117	99	96	101	107	8 1	2 2			1 1
	2018	REDWOOD COAST LEILONI		5	5	5	24	5	38	24	37	25	27	30	34					
CLOVER K BUBBA		REDWOOD COAST BIG G	4.34	90	104	97	118	103	111	92	116	107	106	115	115	6 2	2 1			
	2020	BENAIHA NILA		5	5	5	38	5	59	37	57	39	42	45	52					

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	
KLEIN SANDFONTEIN EDEN	2014	GROENBERG BBD RAMBO	4.00	115	118	103	105	96	110	103	97	85	92	99	97	20	3	7	3	3	7
		KLEIN SANDFONTEIN HILA		37	47	64	65	48	77	65	76	66	68	69	73			7			1
KLEIN SANDFONTEIN DHARA	2017	ZUKANDI BEAU	9.55	131	142	94	108	93	113	99	99	92	102	108	103	5	3	1			
		KLEIN SANDFONTEIN EDEN		31	48	45	54	31	68	53	67	54	56	59	63			1			
BENAIAH NILA	2018	ZUKANDI CAINE	3.21	74	86	105	107	95	98	82	89	96	98	108	96	8	1	2			1
		AUTHENTIC MIZPAH NALA		5	12	5	31	5	45	30	44	31	34	36	40			2			1
JUBZ ZENA	2019	KADIMA DUX	6.60	88	101	111	96	83	114	80	75	84	82	88	81	26	4	6	1	1	1
		KADIMA ZASTAVA		5	5	12	50	19	68	49	67	51	54	57	62			2			1
PARAGON BUNNY	2021	ROKAFELA MAX	5.66	93	88	102	102	107	84	102	84	95	94	100	92	4	1	1			
		JUBZ ZENA		5	5	12	46	18	63	45	62	47	49	52	57			1			

