

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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14 LAUREL ROAD
HARMONY VILLAGE
MITCHELLS PLAIN
7785



Kennel Number: 676481



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.

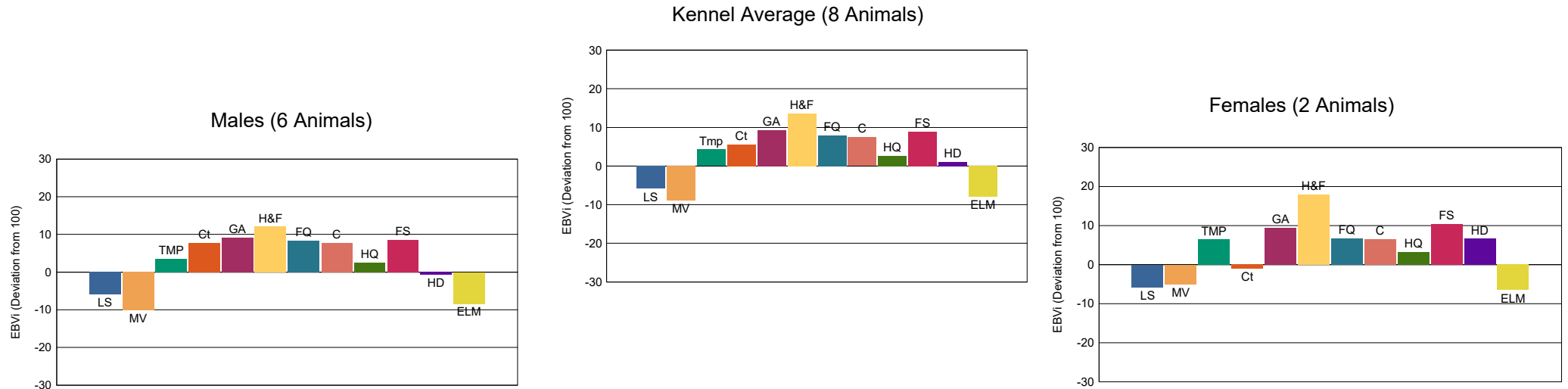
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	94	94	94
Movement (Mv)	91	90	95
Temperament (Tmp)	104	104	106
Coat (Ct)	106	108	99
General Appearance	109	109	109
Head & Face (H&F)	114	112	118
Front Quarter (FQ)	108	108	107
Centre (C)	107	108	107
Hind Quarter (HQ)	103	102	103
Final Score (FS)	109	109	110
Hip Health (HH)	101	99	107
Elbow Health (ELM)	92	92	94

Inbreeding

Notes

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

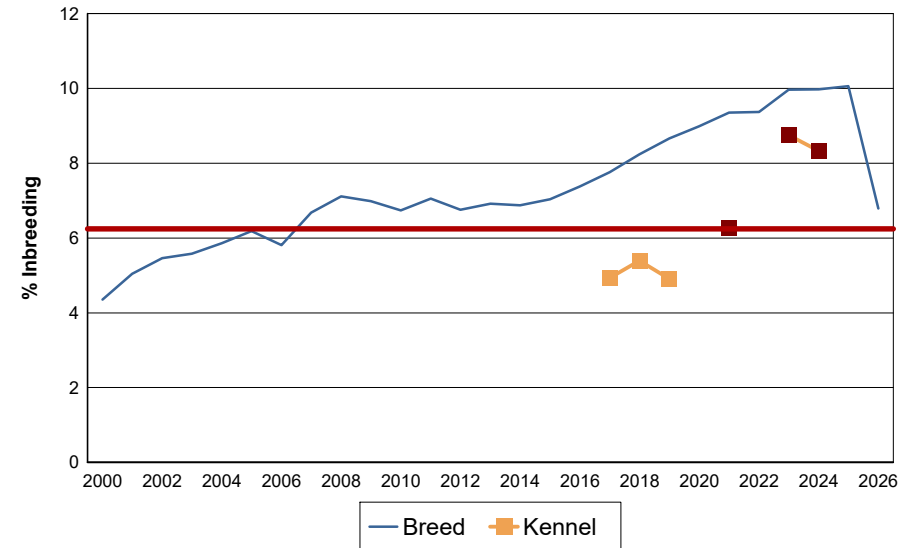
Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

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

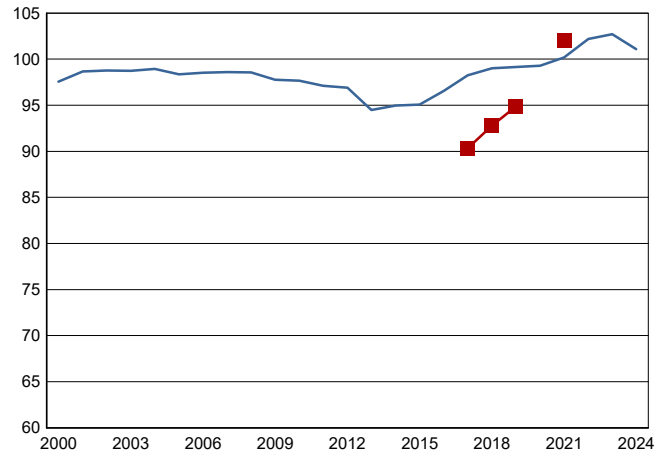
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Inbreeding Levels

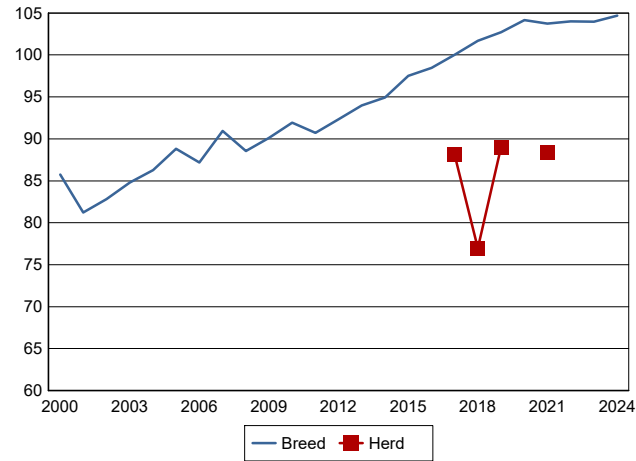
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	8	49007	6	25141	2	23857	6	3371	5	6287
Average Inbreeding	6.56	8.49	6.30	8.46	7.35	8.53	6.93	8.01	5.66	8.00
Number inbred	8	48727	6	24990	2	23728	6	24990	5	23728
Number >6.25% Inbr.	4	30600	2	15537	2	15058	4	15537	2	15058

Genetic Trends

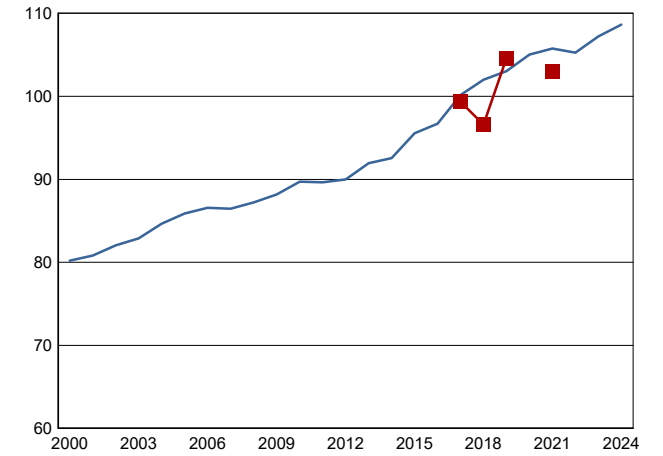
Litter Size



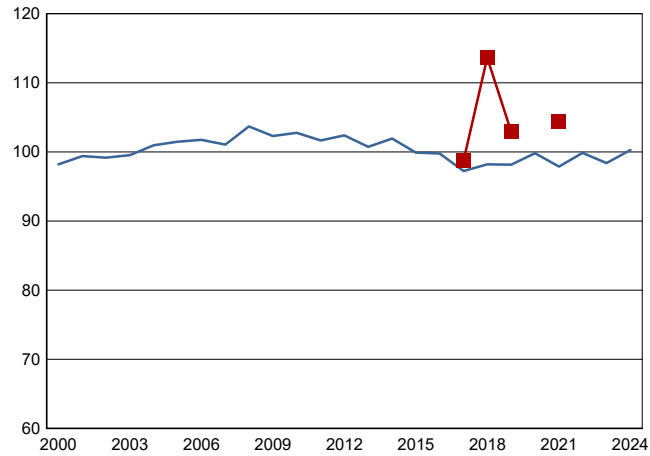
Movement



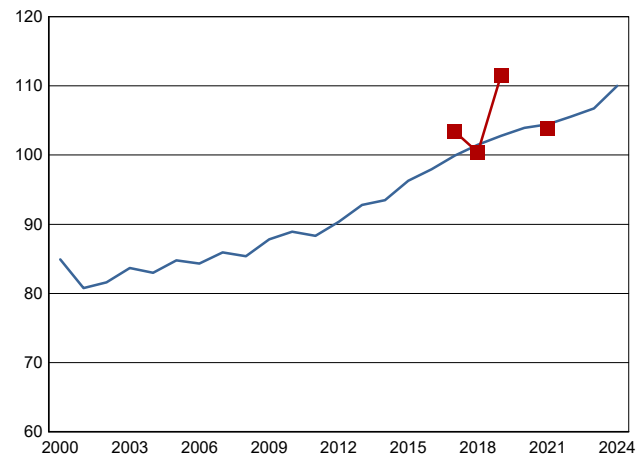
Temperament



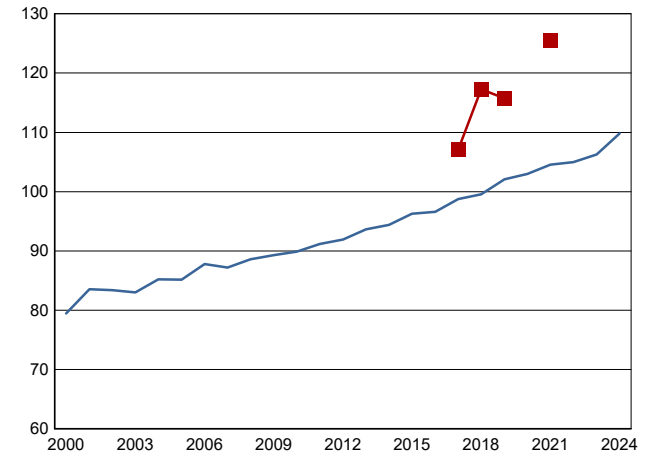
Coat



General Appearance

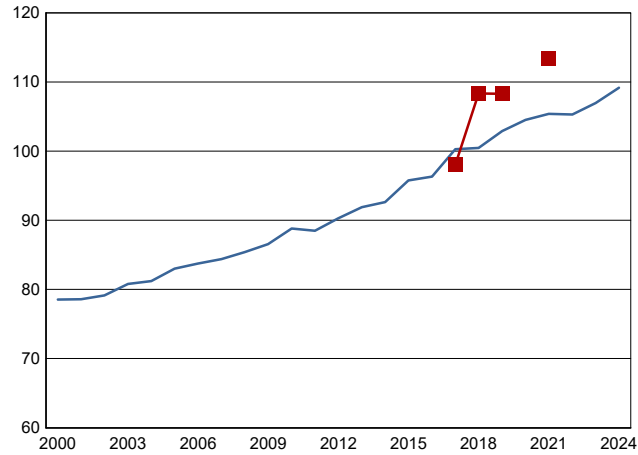


Head & Face

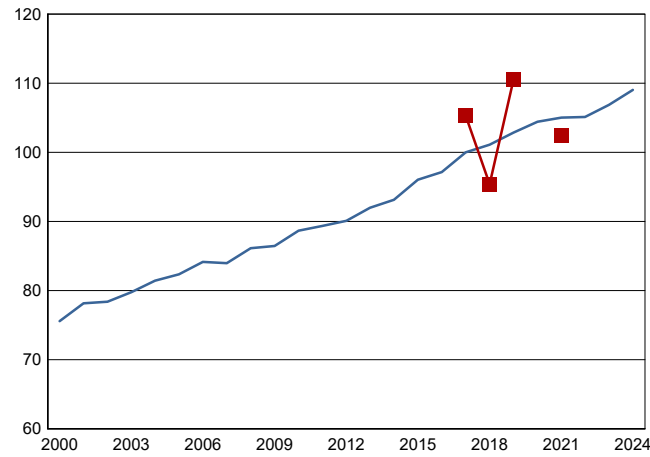


Genetic Trends

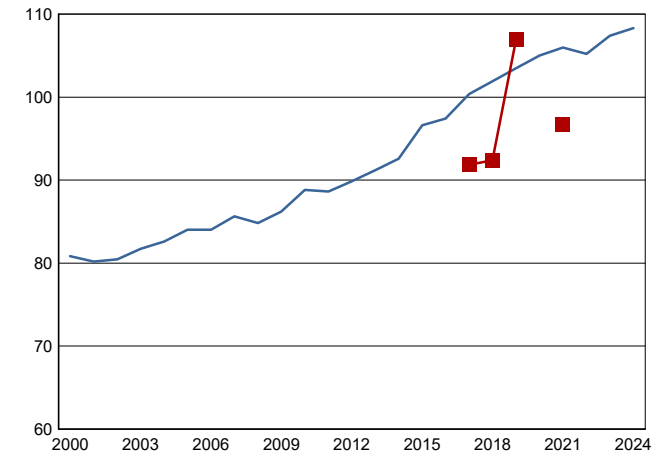
Front Quarter



Centre

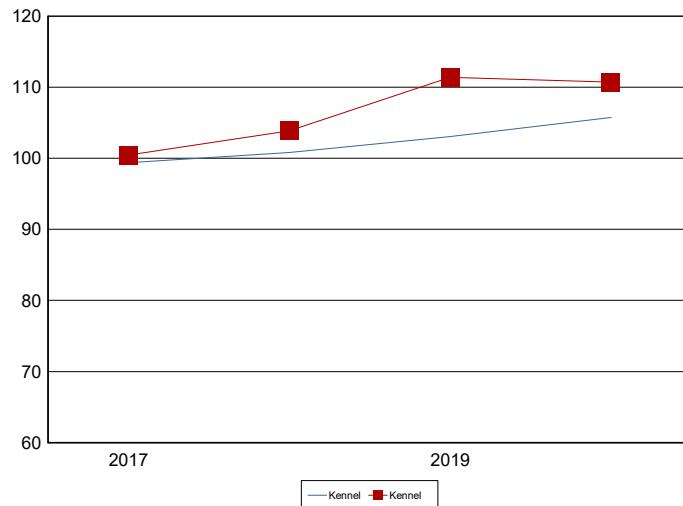


Hind Quarter

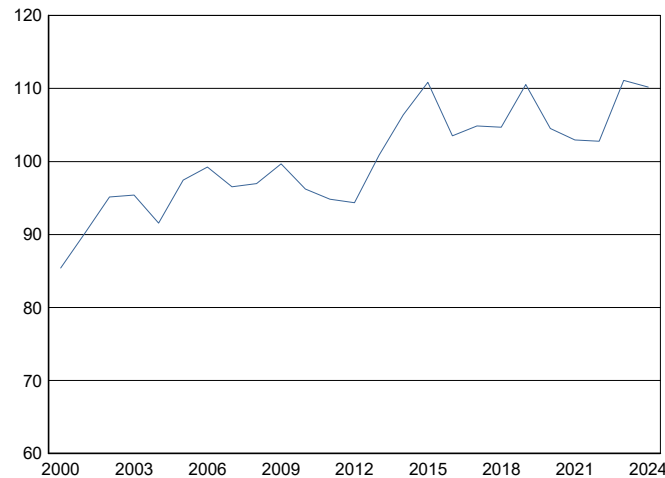


Final Score & Health Traits

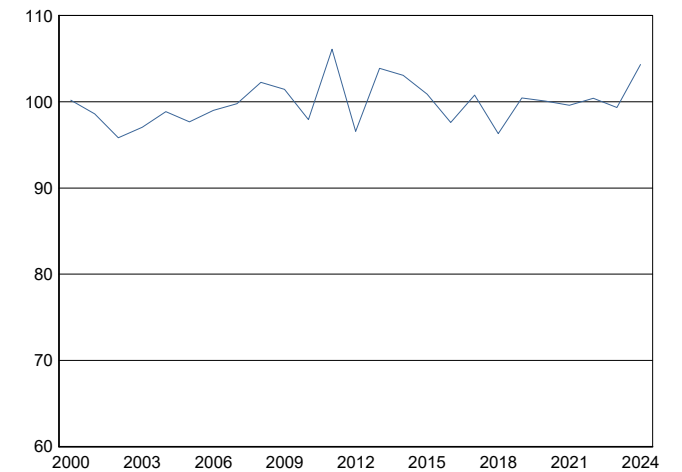
Final Score



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	
PADIACHY DUKE		RAINAISANCE ROMEO	4.93	95	93	88	88	98	97	103	104	94	101	91	97						
	2017	BASTIAN LUCY I		5	5	5	39	9	52	39	51	40	42	44	48						
PADIACHY BARLEY		ZUKANDI ZUKO	5.68	98	89	95	92	105	110	112	109	110	113	107	111						
	2019	PADIACHY LEXI		5	5	7	37	11	48	36	48	37	39	41	45						
PADIACHY JUNIOR		ZUKANDI ZUKO	5.68	98	89	95	92	105	110	112	109	110	113	107	111						
	2019	PADIACHY LEXI		5	5	7	37	11	48	36	48	37	39	41	45						
PADIACHY CHAPO		ZUKANDI ZUKO	5.68	98	89	95	92	105	110	112	109	110	113	107	111						
	2019	PADIACHY LEXI		5	5	7	37	11	48	36	48	37	39	41	45						
PADIACHY BUTCH		PENINSULA TAURUS	8.75	107	100	100	79	105	111	110	125	114	100	98	111						
	2023	PADIACHY LACEY		5	5	5	27	5	40	27	39	28	30	32	36						
RAINAISANCE MAGNUM 1		RAINAISANCE HITMAN 1	7.10	100	90	92	96	105	108	106	118	112	107	104	112						
	2024	PADIACHY LACEY		5	5	5	9	5	26	7	26	10	14	17	22						

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
PADIACHY KYAH	2021	KLEIN SANDFONTEIN BARBUR PADIACHY SHADOW	6.28	94 5	90 5	102 9	88 38	103 5	104 56	104 37	126 55	113 39	102 41	97 44	111 50	4	2		
AMAROK EMMA	2021	PADIACHY DIESEL 5 AMAROK ELSA	8.41	119 5	97 5	87 8	102 39	110 13	94 57	115 39	110 55	100 40	111 42	110 45	110 50				

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		
KLEIN SANDFONTEIN BARBUR		BELLBUSK JEEP	6.27	84	79	110	99	100	111	105	118	107	103	97	109	8	2	1		2	
	2012	SHAMROCK BBD ZENA		9	5	38	45	21	57	45	56	46	48	49	53						1
RAINAISANCE ROMEO		DELATRO H'BOESMAN	5.48	94	92	89	88	92	102	104	87	88	98	87	89	48	7	17		10	
	2014	RAINAISANCE LAYLA		5	5	29	64	34	79	63	78	65	67	70	74						12
ZUKANDI ZUKO		KLEIN SANDFONTEIN HUEY	8.36	101	86	99	96	111	121	122	116	125	123	121	123	30	4	9		7	
	2017	ZUKANDI MICKA		10	27	36	62	41	75	62	74	63	65	67	71						7
PADIACHY DIESEL 5		MIDDELPOS BBD BRUCE ALMIGHTY	4.23	112	100	96	86	103	97	111	122	103	107	103	110	2	1	1			
	2019	BASTIAN LUCY I		5	9	10	48	23	63	47	62	49	51	53	58						1
RAINAISANCE HITMAN 1		KLOPDISSELBOOM TANK	7.75	105	89	82	104	112	107	110	115	114	113	114	116	5	2				
	2021	SMASH KAMAKAZI		5	5	5	31	5	47	30	46	32	34	37	42						
PENINSULA TAURUS		MIDDELPOS BBD GAMKA	9.47	120	110	97	68	110	114	117	130	119	100	103	115	52	10	13	1	1	5
	2021	ZKR DUCHES		5	5	18	62	35	76	61	75	62	65	67	72						

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	
BASTIAN LUCY I	2015	JACOB NOAH	4.08	97	94	87	89	105	92	102	120	101	103	95	106	24	3	10			7
		LEGRA STELLA		5	5	8	53	25	71	53	70	54	57	60	65			8			1
AMAROK ELSA	2016	GROENBERG BBD RAMBO	7.60	127	95	77	117	117	105	111	106	105	112	119	115	7	3	5			2
		MIDDELPOS BBD SABRINA		17	27	41	51	37	60	50	59	51	52	54	57			4			1
PADIACHY LEXI	2017	RAINAISANCE ROMEO	4.93	95	93	91	88	98	99	102	102	95	103	94	98	17	2	5			2
		BASTIAN LUCY I		5	5	12	46	17	61	45	60	47	49	51	56			5			2
PADIACHY SHADOW	2018	HILLSIDE VIEW JORDAN	5.39	104	101	94	79	99	107	100	121	111	98	89	105	3	1	1			2
		BASTIAN LUCY I		5	5	18	45	20	62	45	61	46	48	51	56			1			1
PADIACHY LACEY	2021	KLEIN SANDFONTEIN BARBUR	6.28	94	90	102	89	99	109	102	120	109	100	93	107	5	2				
		PADIACHY SHADOW		5	5	9	27	5	40	26	39	28	29	32	36						

