

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MR B.N.A. LATEGAN

P.O. BOX 17

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BELLVILLE

7530



Kennel Number: 664274



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.

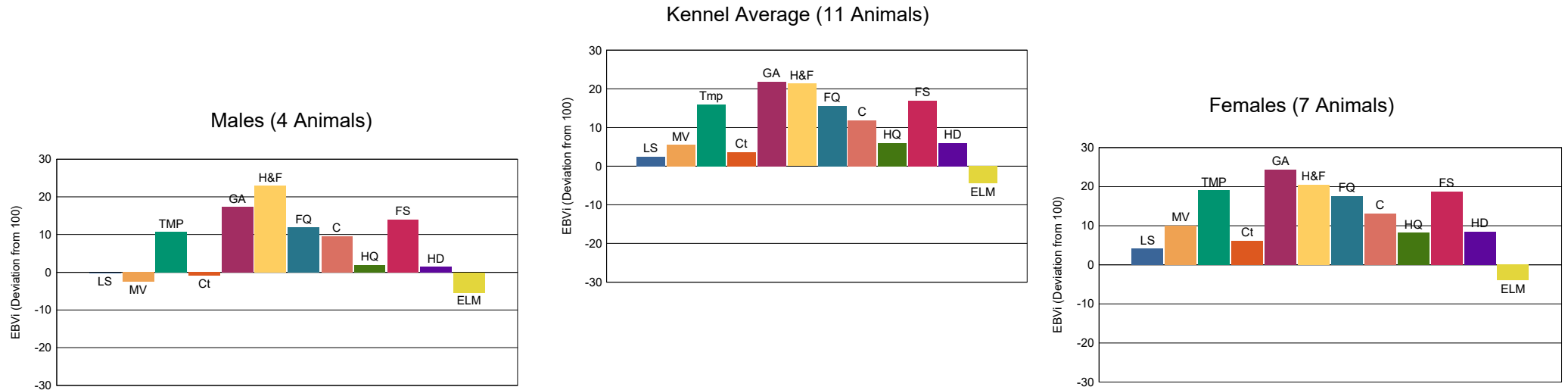
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	103	100	104
Movement (Mv)	105	97	110
Temperament (Tmp)	116	111	119
Coat (Ct)	104	99	106
General Appearance	122	117	124
Head & Face (H&F)	121	123	120
Front Quarter (FQ)	116	112	118
Centre (C)	112	110	113
Hind Quarter (HQ)	106	102	108
Final Score (FS)	117	114	119
Hip Health (HH)	106	101	109
Elbow Health (ELM)	96	95	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.

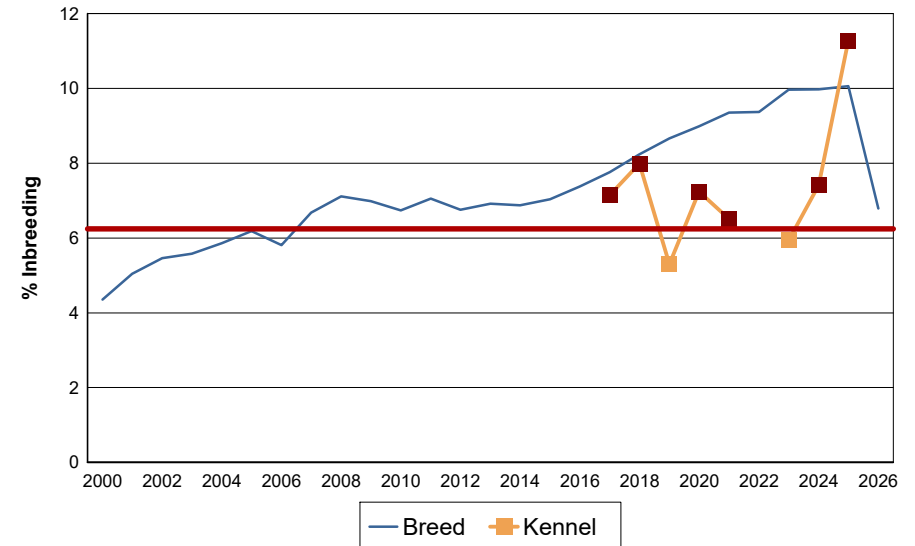
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

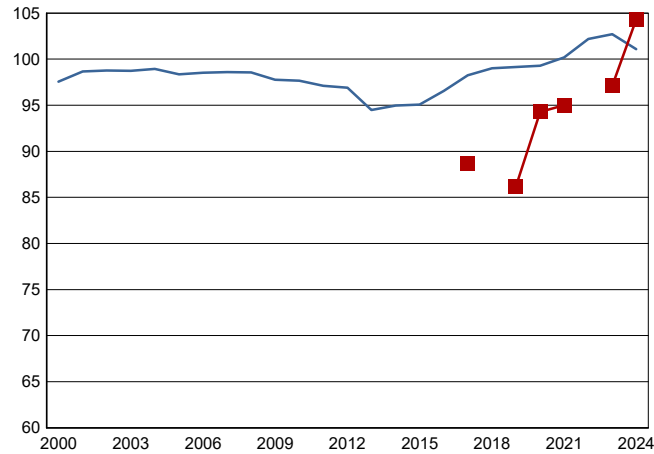


Inbreeding Levels

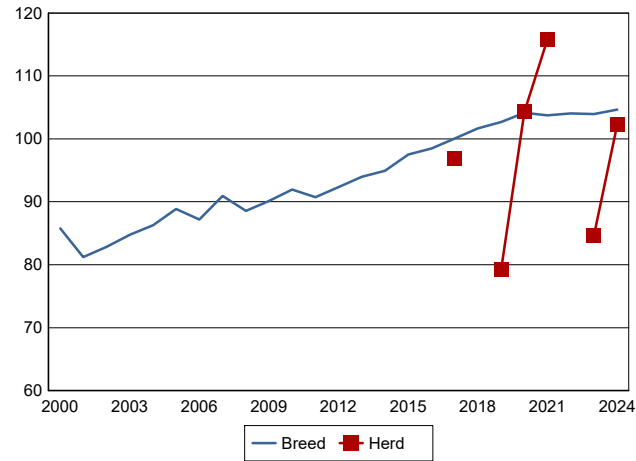
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	11	49007	4	25141	7	23857	7	3371	7	6287
Average Inbreeding	8.64	8.49	7.68	8.46	9.18	8.53	7.86	8.01	8.53	8.00
Number inbred	11	48727	4	24990	7	23728	7	24990	7	23728
Number >6.25% Inbr.	8	30600	2	15537	6	15058	2	15537	4	15058

Genetic Trends

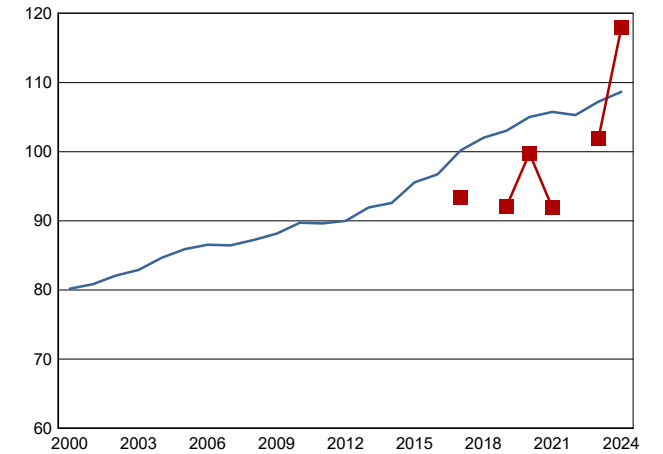
Litter Size



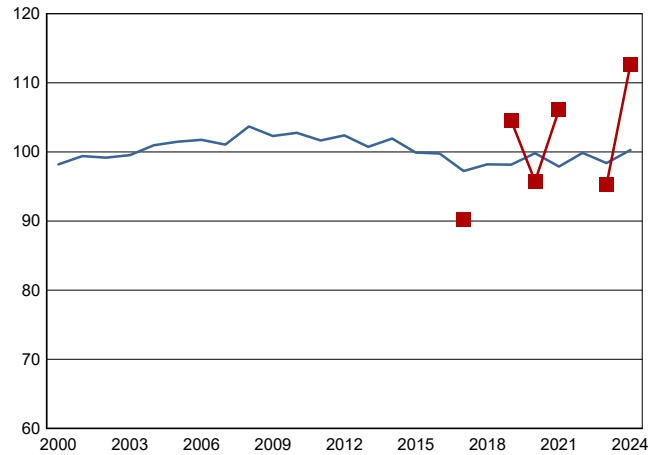
Movement



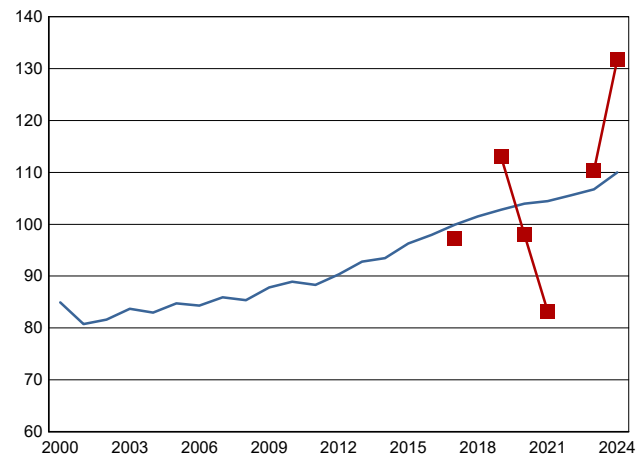
Temperament



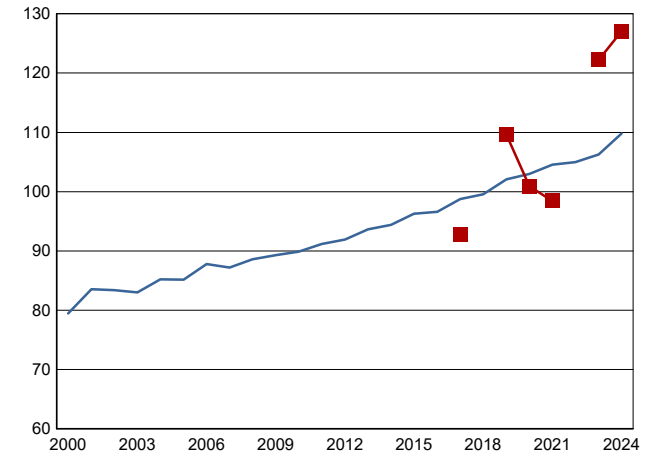
Coat



General Appearance

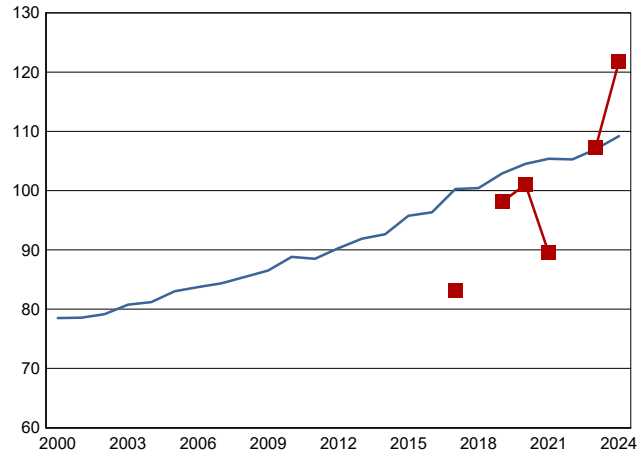


Head & Face

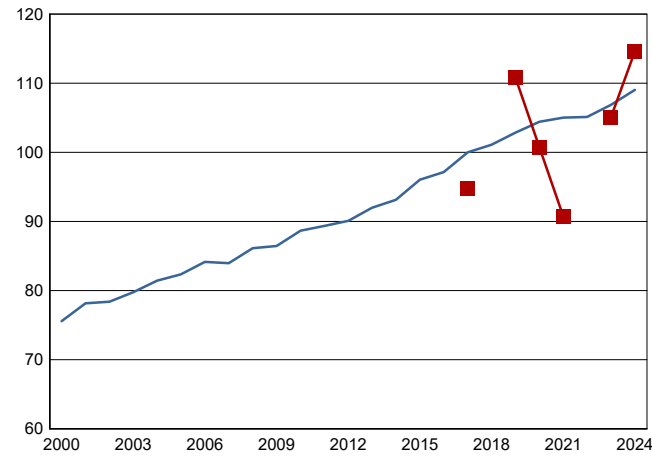


Genetic Trends

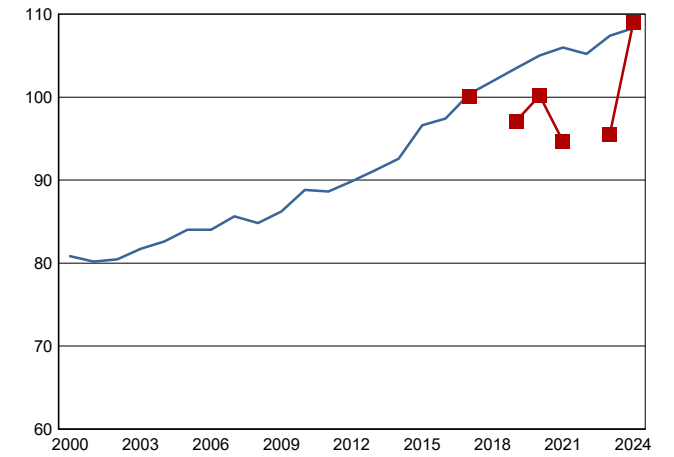
Front Quarter



Centre

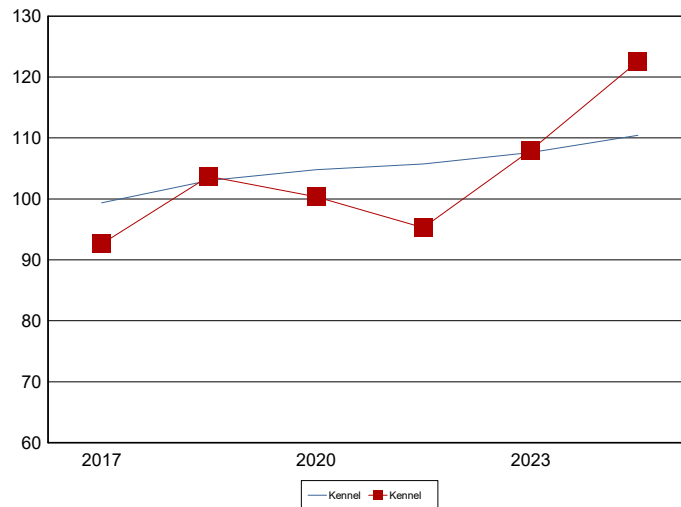


Hind Quarter

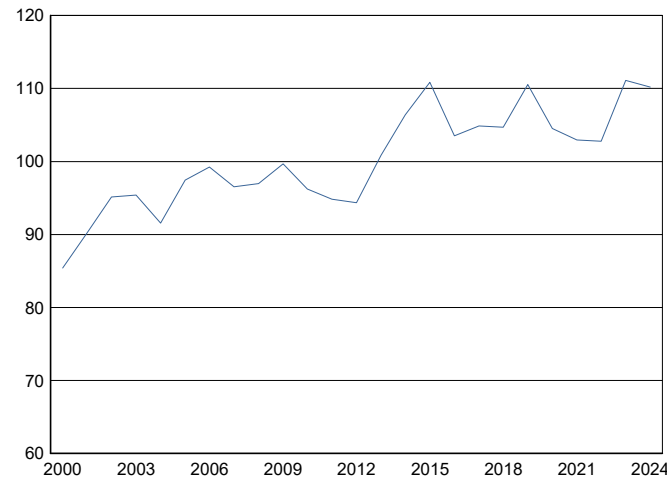


Final Score & Health Traits

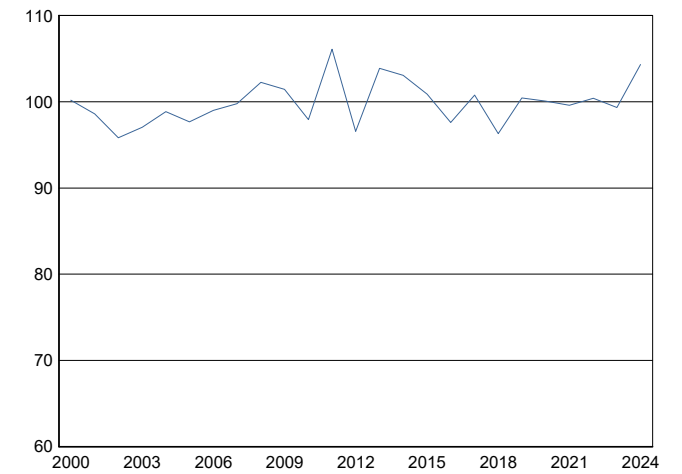
Final Score



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	
PIONEER DJANGO		EKVONSALIES DYNAMIC	5.96	98	97	95	84	87	86	80	101	94	93	97	93						
	2023	PIONEER ROSE		5	5	5	43	9	62	43	61	44	47	50	56						
PIONEER MAGIC		GUNSMOKE PRINCE	5.87	102	93	99	94	120	105	139	142	122	118	100	126	26	3				
	2023	MALAKAS HONEY		5	5	5	45	12	63	44	62	46	48	51	57						
PIONEER LOKI		PIONEER MAGIC	7.63	103	95	100	103	113	97	119	117	110	111	103	112						
	2024	RAINAISSANCE PENNY		5	5	5	20	5	36	19	35	21	23	26	31						
PIONEER RAGNAR		PIONEER MAGIC	11.28	103	94	105	109	123	109	131	132	122	116	108	125						
	2025	ELEVATION ABBY I		5	5	5	28	5	42	27	41	29	31	33	37						

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	with litters
RAINAISANCE PENNY	2021	WOEKER BBD BIELIE	8.07	103	97	101	112	107	89	100	92	97	104	105	99	12	1			
		5		5	7	32	5	47	31	46	33	35	37	42						
ELEVATION ABBY I	2021	ELEVATION DAX	17.20	105	94	111	124	126	114	122	121	122	114	115	124	8	1			
		5		28	36	56	33	69	55	68	56	58	60	64						
MALAKAS HONEY	2021	ELEVATION GUNNER	5.80	109	93	103	115	128	114	139	129	128	115	104	125	13	2	9		2
		5		5	17	52	22	69	51	68	53	55	58	64						
PIONEER MOANA	2024	MIDDELPOS BBD BRUCE ALMIGHTY	7.14	118	100	104	105	115	110	125	123	119	110	106	118					
		5		5	7	48	21	64	47	63	49	51	54	59						
PIONEER MANUKA	2024	MIDDELPOS BBD BRUCE ALMIGHTY	7.14	118	100	104	103	122	109	136	131	126	122	117	128					
		5		5	7	49	21	65	48	64	50	52	54	59						
PIONEER VANILLA	2024	PIONEER MAGIC	7.63	103	95	100	103	113	97	119	117	110	111	103	112					
		5		5	5	20	5	36	19	35	21	23	26	31						
PIONEER BUMBLEBEE	2025	PIONEER MAGIC	11.28	103	94	105	109	123	109	131	132	122	116	108	125					
		5		5	5	28	5	42	27	41	29	31	33	37						

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	
ELEVATION DAX		GROENBERG BBD RAMBO	4.48	103	71	100	117	125	107	128	132	122	115	116	128	131 24	65 53	14 14		51 9
	2015	HAZENJACHT BBD FIELLA		53	66	69	84	68	90	83	90	84	85	86	88					
MIDDELPOS BBD BRUCE ALMIGHTY		AFRIKA LEO 5	5.84	127	106	106	86	104	108	119	125	112	109	111	117	48 8	27 18	2 2		16 5
	2017	MIGHTY AFRIKA ZELLIE		32	49	37	69	44	82	68	81	70	72	74	78					
ELEVATION GUNNER		ELEVATION DAX	17.49	105	81	98	110	127	101	130	119	123	110	108	118	37 6	8 7			4 1
	2017	ELEVATION BOEBOE		5	21	37	60	39	72	59	71	60	62	64	68					
EKVONSALIES DYNAMIC		DUMAS BIG DEAL	4.80	98	97	90	70	91	63	87	104	95	100	99	94	49 9	13 9			4 3
	2019	GATEKEEPER SASHA		5	5	5	59	31	75	58	74	60	62	65	70					
WOEKER BBD BIELIE		WOEKER BBD ZULU 12	11.63	109	103	114	118	104	85	84	79	91	91	108	91	54 10	5 5			2 2
	2019	WOEKER BBD PIPPIE		5	5	25	56	29	72	55	71	57	59	62	67					
GUNSMOKE PRINCE		DUMAS BIG DEAL	4.92	94	93	95	65	105	97	127	144	109	120	98	120	54 8	16 15			4 4
	2021	GATEKEEPER NOVA		5	5	5	59	32	73	57	72	60	62	64	69					
PIONEER MAGIC		GUNSMOKE PRINCE	5.87	102	93	99	94	120	105	139	142	122	118	100	126	26 3				
	2023	MALAKAS HONEY		5	5	5	45	12	63	44	62	46	48	51	57					

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	
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
ELEVATION MAGGIE	2019	MES MAC GYVER	5.65	107	118	129	124	120	102	107	111	113	110	112	115	18	2	9			5
		ELEVATION KATE		37	54	53	62	41	75	62	74	63	65	67	71			8			1
RAINAISANCE ERIN	2019	RAINAISANCE ROMEO	5.98	97	91	81	105	109	94	115	105	103	116	102	107	5	2				1
		SHADROCK DEUCE (PEPPER)		5	5	31	50	20	68	49	67	51	53	56	62						1
PIONEER ROSE	2020	LOWEN KAROOLAND SAM	6.42	98	96	101	100	89	100	87	92	91	89	89	89	13	1	2			
		WALSH PEPPER		5	5	10	46	14	65	46	64	47	50	53	59			2			
RAINAISANCE PENNY	2021	WOEKER BBD BIELIE	8.07	103	97	101	112	107	89	100	92	97	104	105	99	12	1				
		RAINAISANCE ERIN		5	5	7	32	5	47	31	46	33	35	37	42						
ELEVATION ABBY I	2021	ELEVATION DAX	17.20	105	94	111	124	126	114	122	121	122	114	115	124	8	1				
		ELEVATION MAGGIE		5	28	36	56	33	69	55	68	56	58	60	64						
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

