

Boerboel Genetic Evaluation

SA Stud Book
February 2026

MEV. H. BREYL

POSBUS 94

0

BRITSTOWN

8782



Kennel Number: 654174



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.

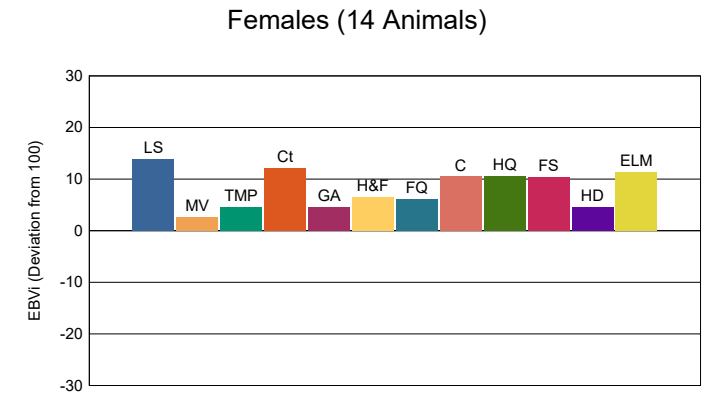
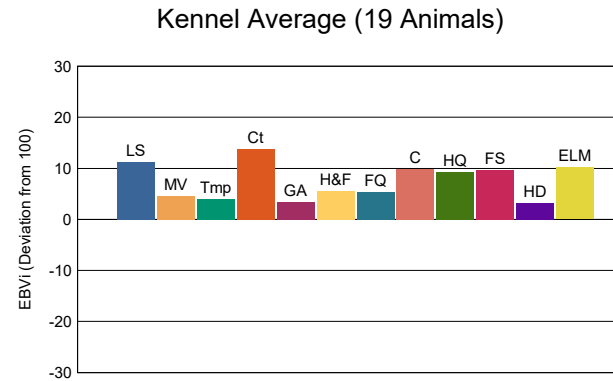
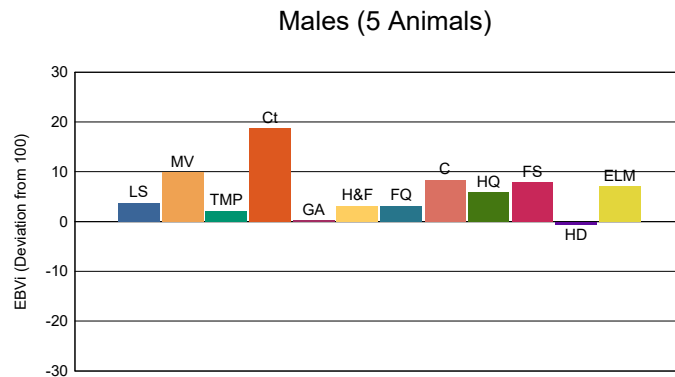
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	111	104	114
Movement (Mv)	105	110	103
Temperament (Tmp)	104	102	105
Coat (Ct)	114	119	112
General Appearance	103	100	105
Head & Face (H&F)	106	103	107
Front Quarter (FQ)	105	103	106
Centre (C)	110	108	110
Hind Quarter (HQ)	109	106	111
Final Score (FS)	110	108	110
Hip Health (HH)	103	99	105
Elbow Health (ELM)	110	107	111

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.

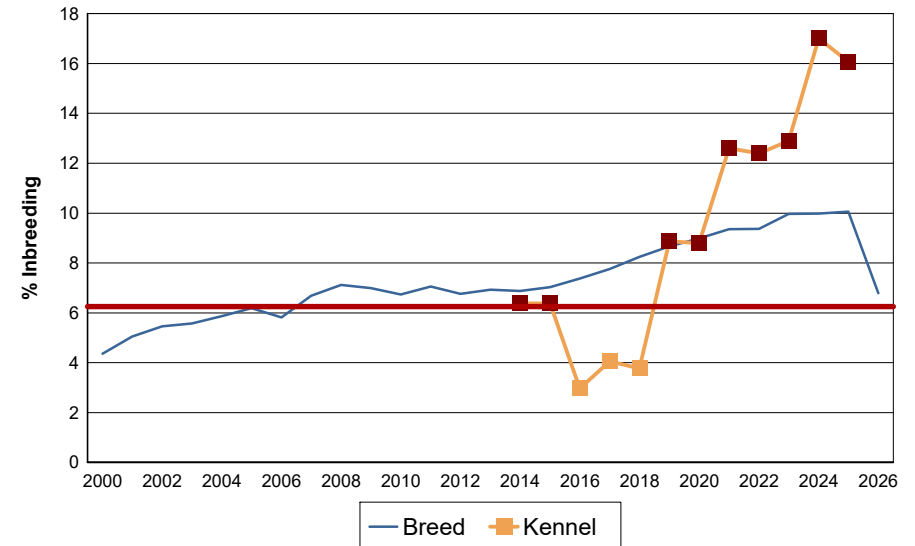
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

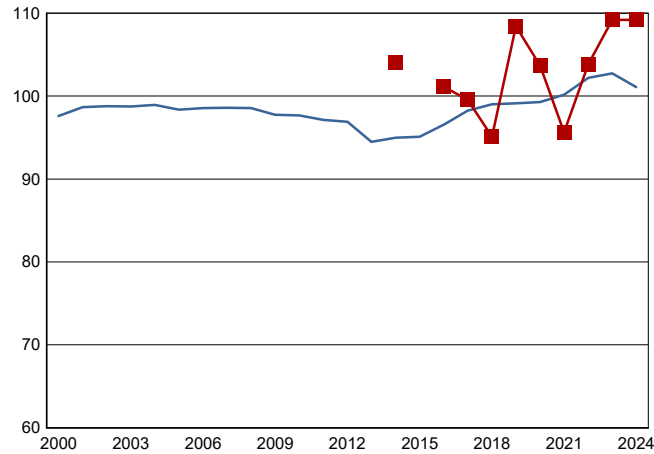


Inbreeding Levels

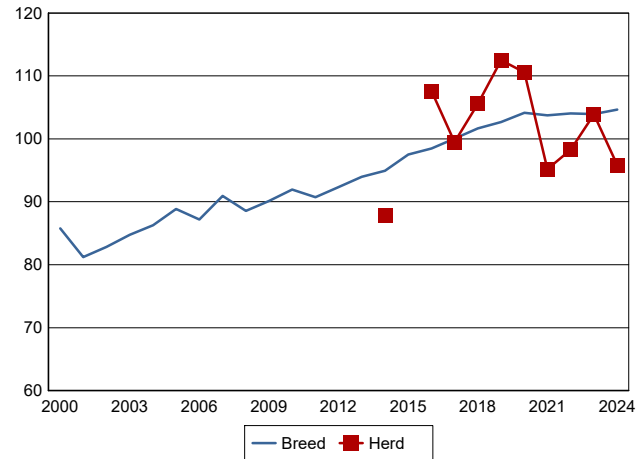
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	19	49007	5	25141	14	23857	10	3371	9	6287
Average Inbreeding	12.94	8.49	8.28	8.46	14.60	8.53	10.86	8.01	9.41	8.00
Number inbred	19	48727	5	24990	14	23728	10	24990	9	23728
Number >6.25% Inbr.	18	30600	4	15537	14	15058	10	15537	8	15058

Genetic Trends

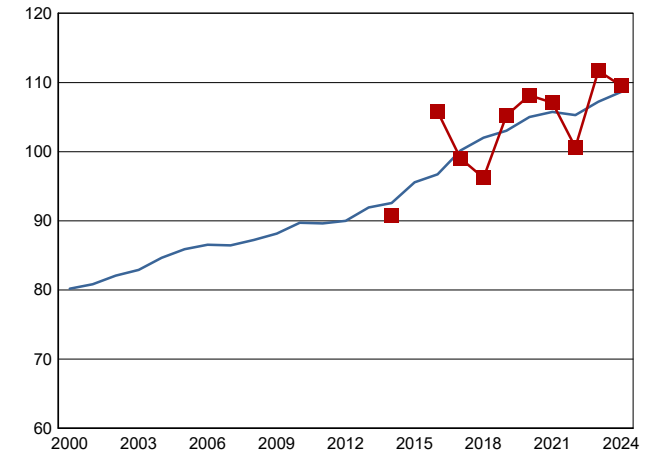
Litter Size



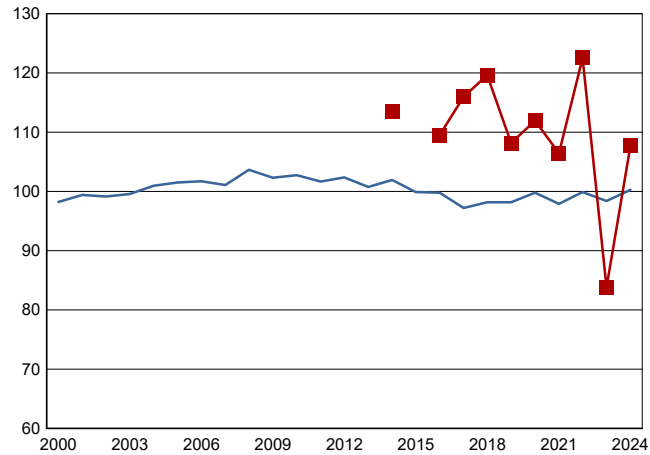
Movement



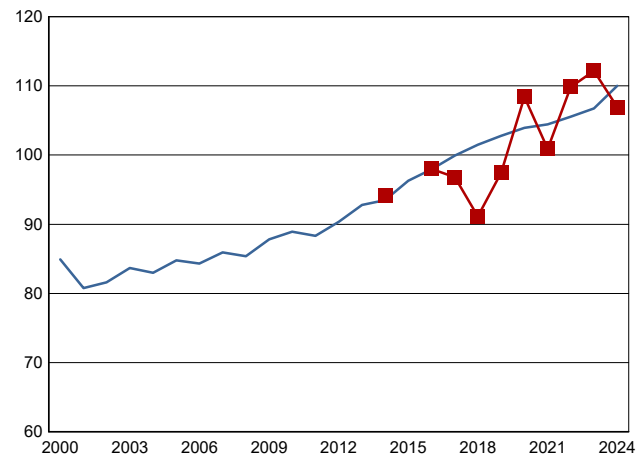
Temperament



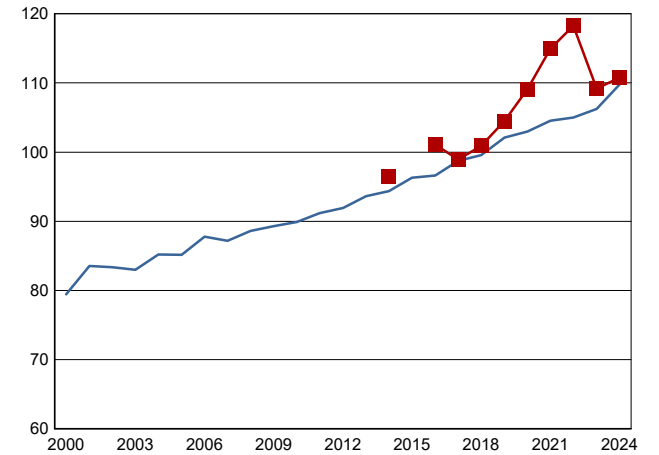
Coat



General Appearance

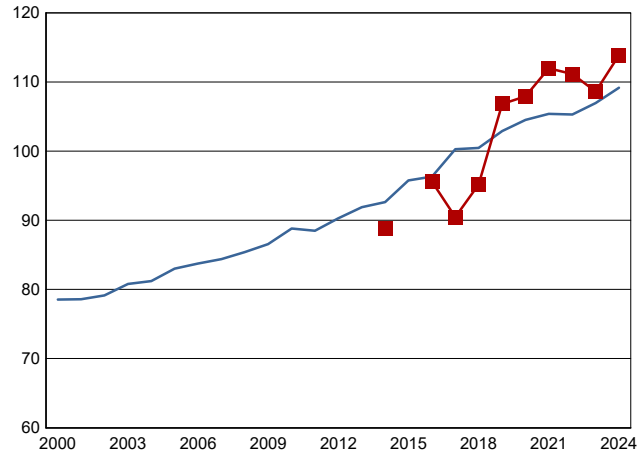


Head & Face

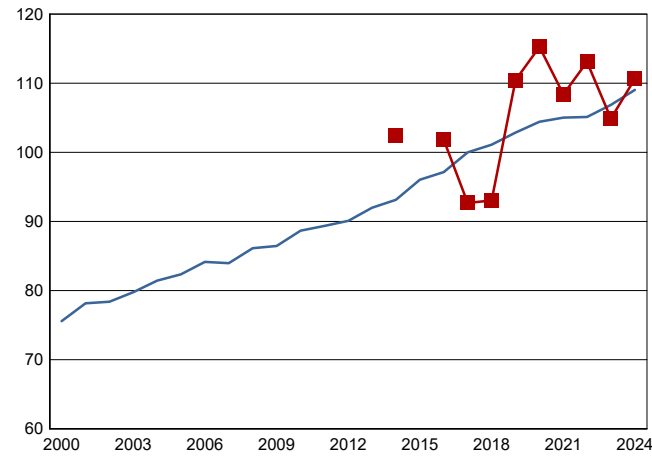


Genetic Trends

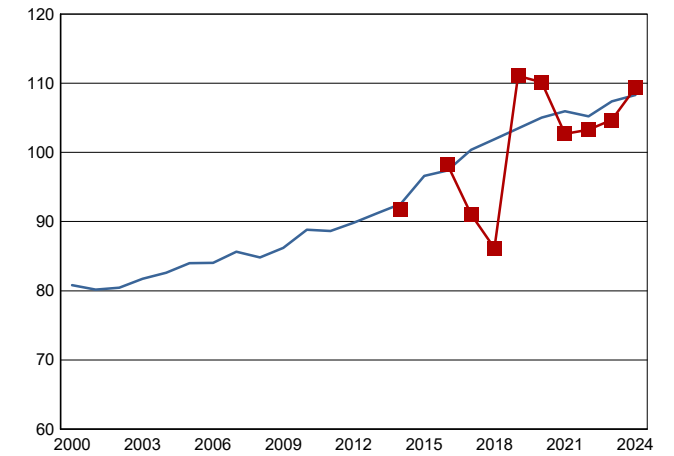
Front Quarter



Centre

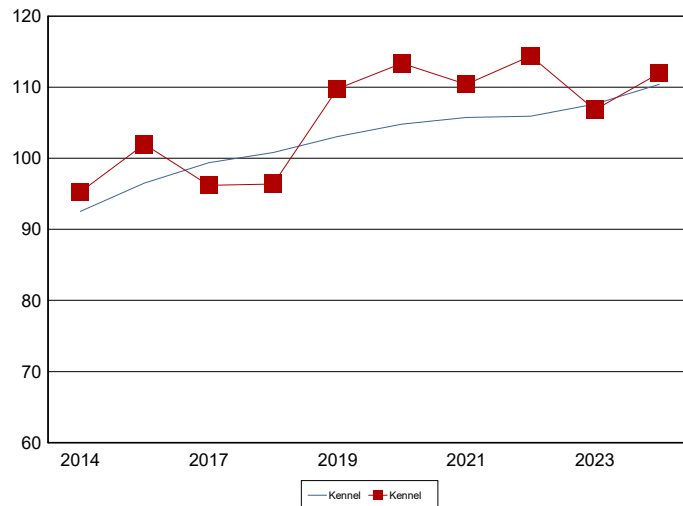


Hind Quarter

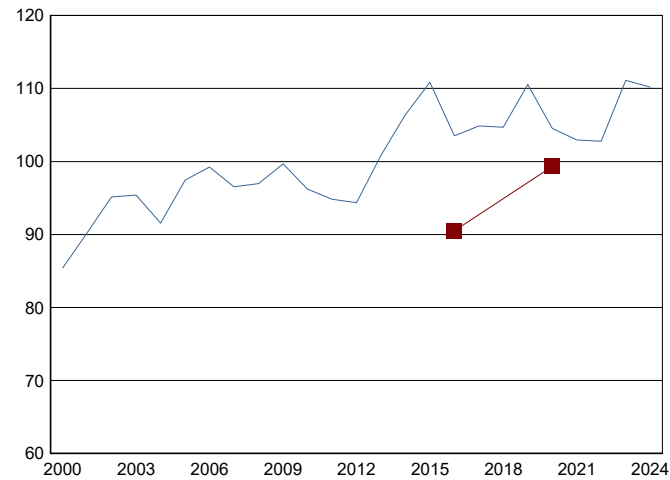


Final Score & Health Traits

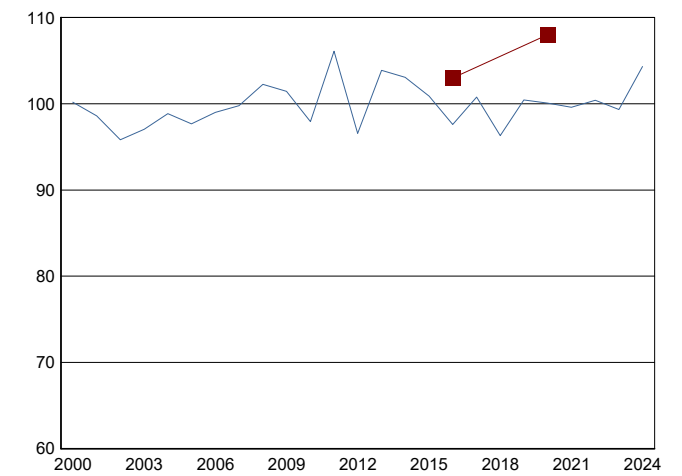
Final Score



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	
MINTAKAROO DIEP DAM		DELMA MINTAKAROO MADALA	4.78	87	107	101	106	95	120	87	94	92	89	86	92						
	2018	MINTAKAROO NO-HESITATION		5	5	16	46	18	64	45	63	47	49	52	57						
MINTAKAROO LOCKDOWN		CDH THUNDER	7.63	87	78	111	113	105	114	105	107	106	117	112	113	15	3				
	2020	MINTAKAROO LILY		5	10	23	43	20	53	43	52	44	45	47	50						
MINTAKAROO BIGSOFTIE		CDH THUNDER	7.63	121	124	111	114	100	121	104	104	102	114	112	112	18	3	1			
	2020	MINTAKAROO LILY		5	10	23	52	26	68	51	67	53	55	57	62			1			
MINTAKAROO LIGBLOU COLLAR REUNTJIE135		MINTAKAROO BIGSOFTIE	14.37	112	115	105	114	103	115	96	103	102	108	113	109						
	2021	MINTAKAROO QUEENB		5	5	5	25	5	40	24	39	26	28	31	35						
MINTAKAROO LEEU I		JOSMOT MR SIR	6.99	91	112	90	103	108	125	110	108	114	114	106	113						
	2024	MINTAKAROO DAISY NALA		5	5	5	42	5	61	40	60	43	45	48	54						

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	
MINTAKAROO LOVEAFFAIR	2020	CDH THUNDER	7.63	99	108	114	113	105	114	105	107	106	117	112	113	8	1				
		MINTAKAROO LILY		5	5	27	43	20	53	43	52	44	45	47	50						
MINTAKAROO TALLULAH	2020	CDH THUNDER	8.25	93	107	99	104	103	113	104	96	94	105	100	101						
		MINTAKAROO NO-HESITATION		5	5	24	52	28	67	52	66	53	55	57	62						
MINTAKAROO FANCYNANCY	2021	MIDDELPOS BBD GAMKA	15.24	121	122	109	74	108	105	99	130	123	110	107	117	8	2	2 1			
		MINTAKAROO FLASH		5	5	25	56	32	70	55	69	57	59	61	65						
WOEKER BBD JESSY	2021	MINTAKAROO CDH HENNIE	10.25	98	114	133	115	101	120	101	97	97	111	118	109	13	3	3 2			
		WOEKER BBD JAYNEE		5	5	36	43	11	58	43	57	44	46	48	53						
MINTAKAROO MANDY	2022	MINTAKAROO BIGSOFTIE	25.19	107	115	106	109	90	125	106	104	96	107	95	104						
		MINTAKAROO MONALISA		5	5	5	38	5	61	36	60	39	43	46	54						
MINTAKAROO FOXY	2024	MINTAKAROO FOKKERDR1	36.15	121	122	105	85	108	97	99	108	115	108	106	107						
		MINTAKAROO FIREWORKS		5	5	5	37	5	61	36	60	39	42	46	54						
MINTAKAROO JOANIE	2024	WOEKER BBD MATEKWA	12.40	104	101	133	100	105	105	108	96	98	100	114	104						
		WOEKER BBD JESSY		5	5	5	43	5	62	43	61	44	47	50	55						
MINTAKAROO JABULANI	2024	WOEKER BBD MATEKWA	12.40	104	101	133	109	110	100	109	103	104	107	118	110						
		WOEKER BBD JESSY		5	5	5	43	5	62	43	61	44	47	50	55						
MINTAKAROO DIXIE	2024	JOSMOT MR SIR	6.99	91	112	90	108	109	111	108	102	112	114	107	110						
		MINTAKAROO DAISY NALA		5	5	5	42	5	61	40	60	43	45	48	54						
MINTAKAROO MINTA	2024	MIDDELPOS BBD GAMKA	10.18	116	123	100	86	111	104	110	129	124	113	107	119						
		MINTAKAROO MONALISA		5	5	23	52	29	67	51	66	53	55	57	62						
MINTAKAROO JANINE	2025	MIDDELPOS BBD XANDER I	9.18	112	122	114	104	106	120	104	108	108	114	117	115						
		WOEKER BBD JESSY		5	5	11	32	5	44	32	44	32	34	36	40						

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
Name		Sire	%	Hips	Elbows	Litter Size	Move-	Tempe-	Coat	General	Head &	Front	Centre	Hind	Final	Progeny	Litters	Progeny	Hips	Elbows	with litters
	BYr	Dam		Acc.	Acc.	Acc.	ment	rament		Appear.	Face	Quarter		Quarter	Score						
MINTAKAROO JOY		MIDDELPOS BBD XANDER I	9.18	112	122	114	104	106	120	104	108	108	114	117	115						
	2025	WOEKER BBD JESSY		5	5	11	32	5	44	32	44	32	34	36	40						
MINTAKAROO JENNY		MINTAKAROO LOCKDOWN	20.67	92	96	122	114	103	117		102	102	114	115	111						
	2025	WOEKER BBD JESSY		5	5	5	11	5	32		32	13	17	21	27						
MINTAKAROO JEMIMA		MINTAKAROO LOCKDOWN	20.67	92	96	122	114	103	117		102	102	114	115	111						
	2025	WOEKER BBD JESSY		5	5	5	11	5	32		32	13	17	21	27						

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	
DELMA MINTAKAROO MADALA		AUGUSTYN BACCHUS	12.33	83	112	100	100	85	120	86	101	92	86	76	90	27	2	3		2
	2014	BUNDU VALLEY BBD ELSA		5	5	40	54	28	69	54	68	55	57	59	64		3			1
CDH THUNDER		VILLA ROUGE GOLIAT	9.40	95		96	106	106	108	107	106	104	117	109	111	144	20	32	4	22
	2017	CDH MIA		5		55	72	48	83	72	82	73	74	76	80		26		4	6
MIDDELPOS BBD GAMKA		AFRIKA LEO 5	18.20	138	139	100	78	117	89	106	133	133	109	106	118	137	29	57	5	38
	2017	MIDDELPOS BBD DIXIE		34	50	56	81	60	89	80	89	81	83	84	87		42		6	9
MINTAKAROO BIGSOFTIE		CDH THUNDER	7.63	121	124	111	114	100	121	104	104	102	114	112	112	18	3	1		
	2020	MINTAKAROO LILY		5	10	23	52	26	68	51	67	53	55	57	62		1			
MINTAKAROO LOCKDOWN		CDH THUNDER	7.63	87	78	111	113	105	114	105	107	106	117	112	113	15	3			
	2020	MINTAKAROO LILY		5	10	23	43	20	53	43	52	44	45	47	50					
MINTAKAROO CDH HENNIE		CDH THUNDER	7.63	91	122	118	116	103	129	108	113	107	122	120	121	95	12	18		7
	2020	MINTAKAROO LILY		5	10	33	66	39	80	66	80	67	69	71	76		15			2
MIDDELPOS BBD XANDER I		MIDDELPOS BBD GAMKA	6.87	126	130	96	93	111	120	107	120	119	117	115	120	27	8	7		1
	2020	DELATRO X'SASKIA		5	17	32	60	37	74	60	74	61	63	65	70		6			1
MINTAKAROO FOKKERDR1		MIDDELPOS BBD GAMKA	15.24	121	122	109	88	110	89	100	107	112	103	101	104	13	3	3		
	2021	MINTAKAROO FLASH		5	5	25	57	33	72	57	71	58	60	62	67		2			
WOEKER BBD MATEKWA		LOMBARD SUPERIOR HAMMILTON	10.45	110	88	133	104	120	84	116	110	111	97	115	110	91	12	35		9
	2021	WOEKER BBD STELLA		5	5	24	64	36	79	64	79	65	68	70	75		15			5
JOSMOT MR SIR		ELDORADO BBD FRANK SINATRA	13.19	79	112	85	104	92	119	98	83	93	98	97	93	10	3	2		
	2022	JOSMOT NTOMBI I		5	5	5	51	16	69	49	68	52	54	57	63		1			

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	
MINTAKAROO NO-HESITATION		MIDDELPOS BBD JOCK 1	2.97	91	103	101	108	106	110	98	101	96	102	98	102	34	4	12		8
	2016	BRUNO MADONNA		5	5	29	60	36	75	60	74	61	63	66	70			9		1
MINTAKAROO LILY		KLEIN SANDFONTEIN PUSHBUTTONPONY	8.87	104	106	126	119	104	120	103	107	108	118	116	116	8	1	4	3	4
	2019	MINTAKAROO NO-HESITATION		5	5	22	51	24	65	50	64	52	54	56	61			4	3	1
MINTAKAROO QUEENB		CDH KAROO	10.03	104	105	99	114	107	108	87	102	103	101	113	107	18	3	1		
	2019	MINTAKAROO NO-HESITATION		5	5	36	48	29	58	48	57	49	50	52	55			1		
MINTAKAROO FLASH		CDH KAROO	10.03	104	105	118	101	104	111	93	101	105	105	107	105	24	3	3		3
	2019	MINTAKAROO NO-HESITATION		5	5	37	59	36	73	59	72	60	62	64	69			2		1
WOEKER BBD JAYNEE		WOEKER BBD BULLET	10.43	106	105	99	124	106	110	93	89	93	101	118	104	17	4	5		4
	2019	WOEKER BBD TRICIA		5	5	45	53	25	70	53	69	53	56	59	64			4		1
MINTAKAROO DAISY NALA		CDH BULLET	8.65	103	112	96	105	118	116	111	116	122	120	116	121	5		2		
	2020	MINTAKAROO MRSDOUBTFIRE		5	5	23	47	22	61	46	60	47	49	52	56			1		
MINTAKAROO MONALISA		CDH THUNDER	8.25	93	107	100	104	105	117	112	115	108	115	100	113	6	2	3		
	2020	MINTAKAROO NO-HESITATION		5	5	34	56	31	72	55	71	57	59	62	67			2		
MINTAKAROO FIREWORKS		MIDDELPOS BBD GAMKA	15.24	121	122	101	79	109	109	101	124	126	110	100	114	7	2	2		
	2021	MINTAKAROO FLASH		5	5	31	57	33	70	56	69	57	59	61	66			1		
WOEKER BBD JESSY		MINTAKAROO CDH HENNIE	10.25	98	114	133	115	101	120	101	97	97	111	118	109	13	3	3		
	2021	WOEKER BBD JAYNEE		5	5	36	43	11	58	43	57	44	46	48	53			2		

