

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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MOLENDIJK

-19

ACHEL

BELGIUM



Kennel Number: 661108



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.

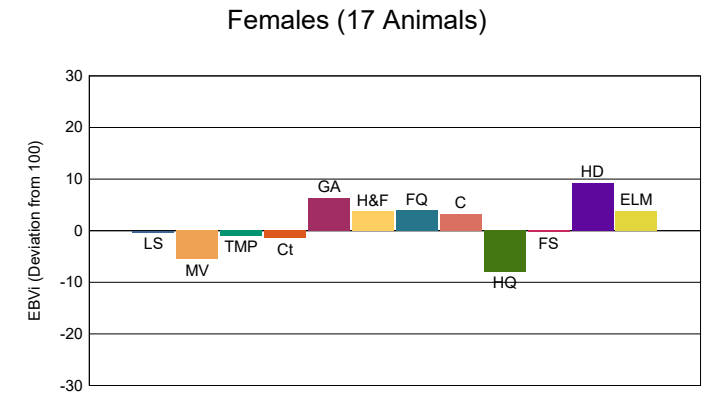
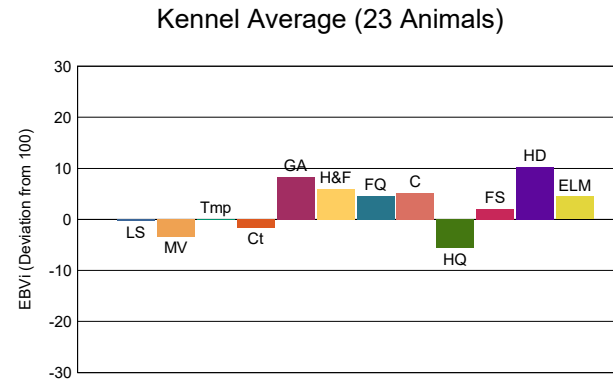
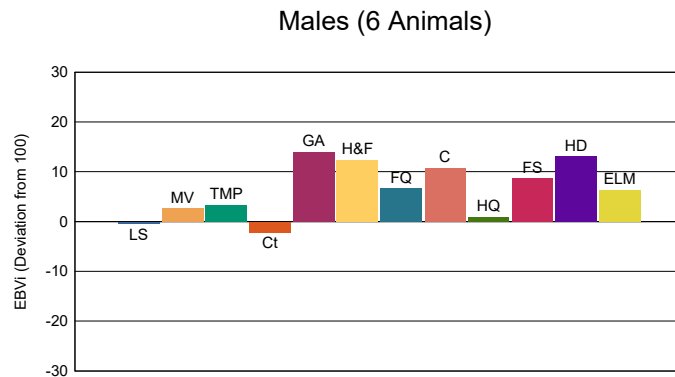
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

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)	100	100	100
Movement (Mv)	97	103	95
Temperament (Tmp)	100	103	99
Coat (Ct)	98	98	99
General Appearance	108	114	106
Head & Face (H&F)	106	112	104
Front Quarter (FQ)	105	107	104
Centre (C)	105	111	103
Hind Quarter (HQ)	94	101	92
Final Score (FS)	102	109	100
Hip Health (HH)	110	113	109
Elbow Health (ELM)	104	106	104

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.

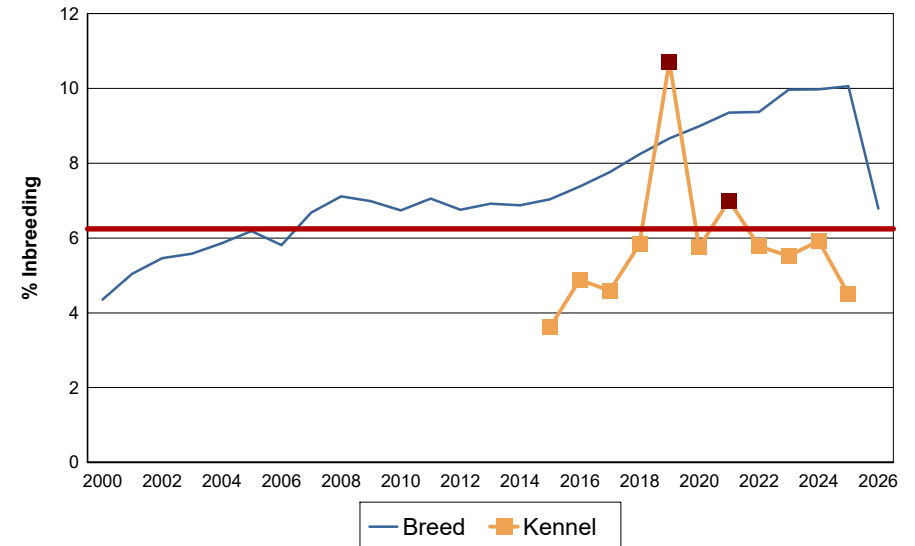
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients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

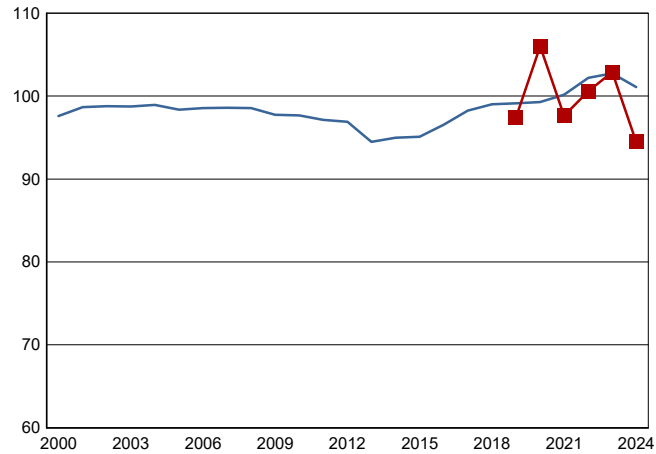


Inbreeding Levels

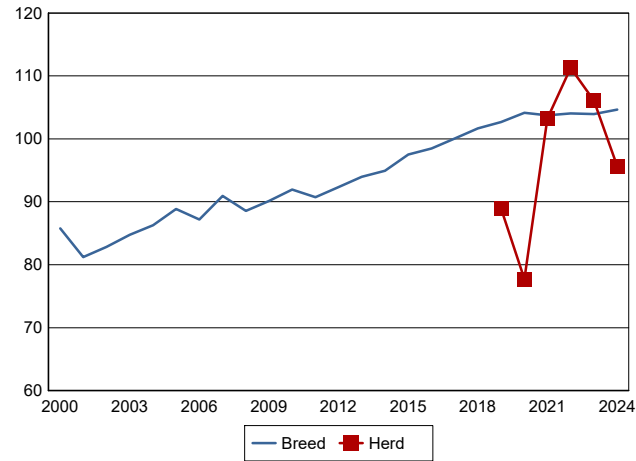
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	23	49007	6	25141	17	23857	8	3371	11	6287
Average Inbreeding	6.50	8.49	7.68	8.46	6.08	8.53	6.99	8.01	5.22	8.00
Number inbred	23	48727	6	24990	17	23728	8	24990	11	23728
Number >6.25% Inbr.	7	30600	3	15537	4	15058	3	15537	3	15058

Genetic Trends

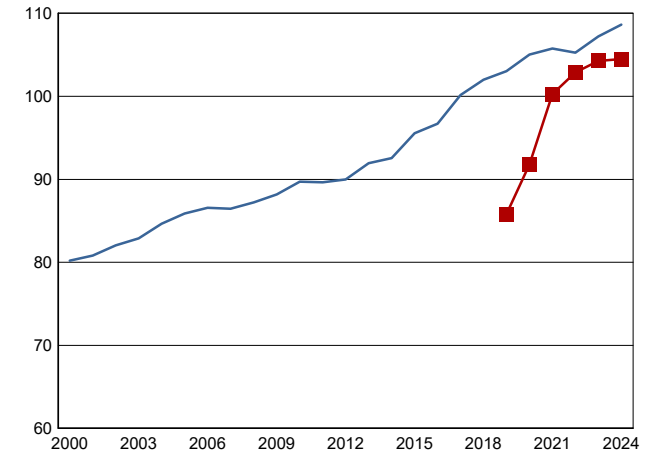
Litter Size



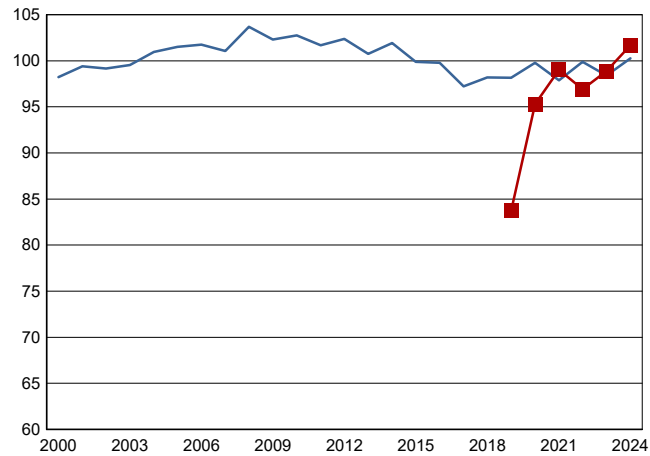
Movement



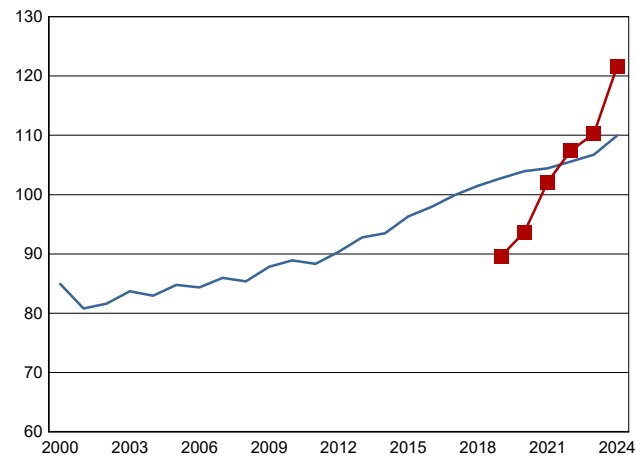
Temperament



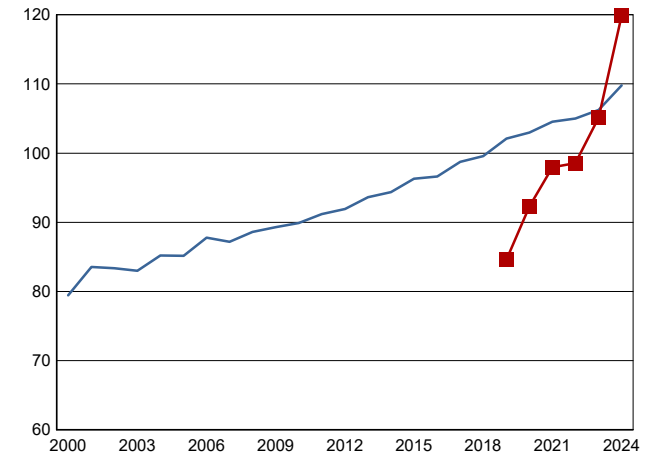
Coat



General Appearance

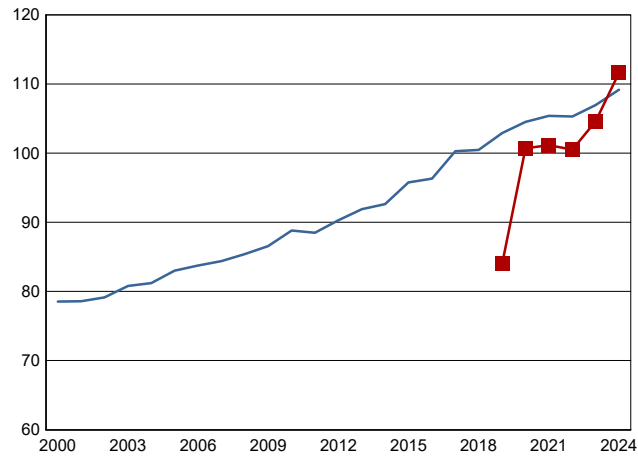


Head & Face

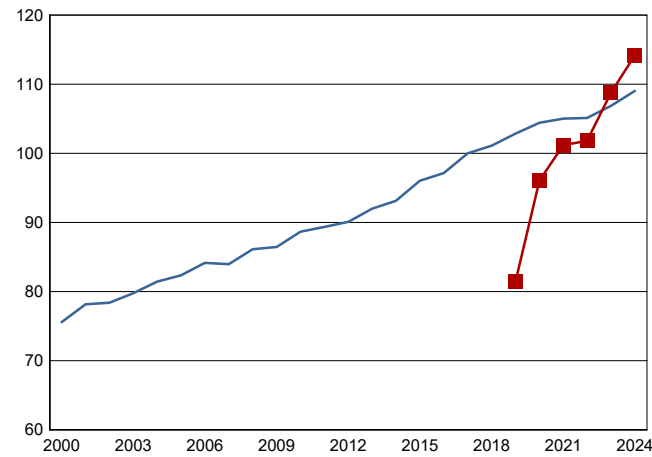


Genetic Trends

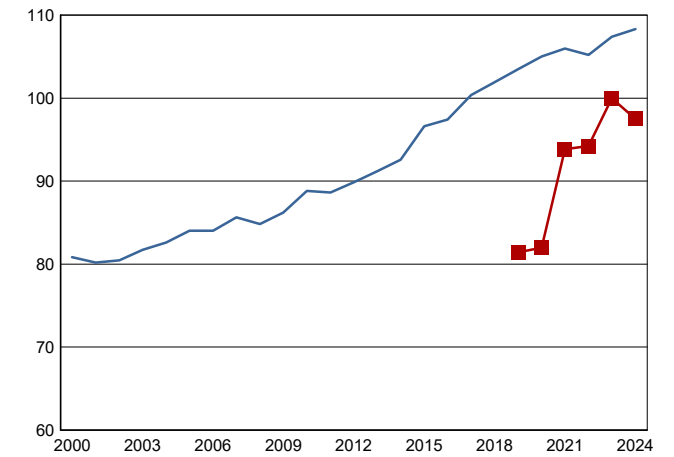
Front Quarter



Centre

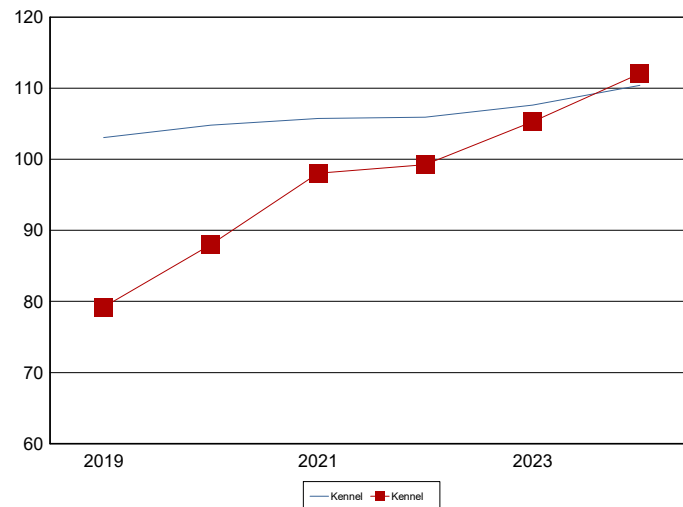


Hind Quarter

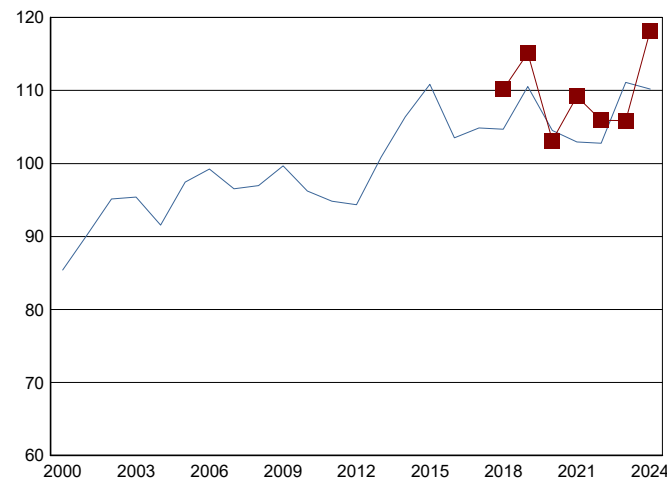


Final Score & Health Traits

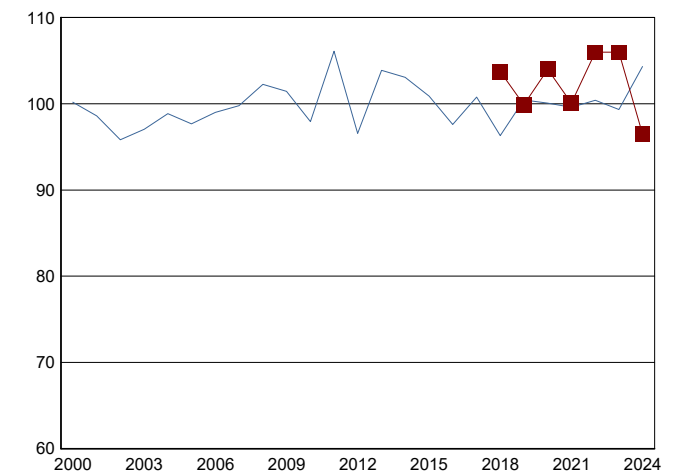
Final Score



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 BYr 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	
GROOTE HEIDE DOLLE DRIES	MIDDELPOS BBD SIMSON	4.59	111	103	100	87	76	91	91	82	81	82	84	78	3	1	2	2	2	1
	2017 GROOTE HEIDE ASSEPOETS OF IMMERMED		5	23	27	34	5	49	33	48	35	37	39	44						
GLADIATOR NHIMU EUCLA RAMBO	AFRIKA RAMBOMAX	9.14	117	96	95	110	117	99	142	144	123	135	114	134	129	17	13	3	3	2
	2021 DELATRO GALA		5	23	32	56	31	71	55	70	56	59	61	66						
GROOTE HEIDE ELECTRIC	GLADIATOR NHIMU EUCLA RAMBO	5.19	116	101	98	102	105	97	115	113	109	114	101	110						
	2023 GROOTE HEIDE EEF		5	13	5	24	5	38	23	37	25	27	29	33						
GROOTE HEIDE FLOYD	DELATRO X'WINSLO	5.78	109	111	110	112	103	98	104	92	97	105	99	99						
	2023 GROOTE HEIDE GOED GEMUTST		5	5	13	42	13	60	42	58	43	46	48	54						
MINTAKAROO MENEER	MIDDELPOS BBD GAMKA	10.18	116	123	100	91	111	103	109	124	121	112	103	116						
	2024 MINTAKAROO MONALISA		5	5	23	46	25	55	44	55	46	48	49	52						
GROOTE HEIDE MAKS	GLADIATOR NHIMU EUCLA RAMBO	11.17	111	103	95	114	108	99	123	119	110	117	104	116						
	2024 GROOTE HEIDE X BOBBY		5	5	5	24	5	40	23	39	25	27	30	35						

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	
IMMER MOED XAZU	2017	CHARMEUR FROM SOUS AFRICA (POETIN)	3.57	98	105	93	75	90	106	100	99	103	95	81	91	17	2	5	3	3	2
		BUNDU VALLEY BBD DUO PENOTTI		5	22	17	31	5	49	30	48	32	34	37	43			3			1
GROOTE HEIDE GOED GEMUTST	2018	IMMERMOED MOON BOOTS	6.64	109	113	139	89	91	87	90	81	91	91	82	81	23	1	6			
		GROOTE HEIDE ASSEPOETS OF IMMERMOED		5	31	6	14	5	35	13	34	16	19	23	29			6			
GROOTE HEIDE HELA HOLA	2019	GROOTE HEIDE DOLLE DRIES	10.72	115	100	97	89	86	84	90	85	84	82	81	79	24	3	3			1
		IMMERMOED GROOTE HEIDE JOFEL		5	17	34	32	5	56	31	54	33	37	41	48			3			1
GROOTE HEIDE LEKKER DING	2020	IMMERMOED MOON BOOTS	5.75	103	103	137	80	96	97	97	95	103	97	82	90	32	2	3	3	3	1
		IMMER MOED XAZU		5	26	28	24	5	43	23	42	25	28	31	37			3			1
GROOTE HEIDE OEPSIE	2021	DELATRO X'WINSLO	5.65	108	95	95	108	106	104	107	109	110	104	96	106						
		GROOTE HEIDE ESMEE (BELLA)		20	42	10	43	14	60	42	59	44	46	49	54						
GROOTE HEIDE PIPPA	2021	GROOTE HEIDE DOLLE DRIES	10.72	115	100	98	92	83	99		84	85	84	84	82						
		IMMERMOED GROOTE HEIDE JOFEL		5	17	5	7	5	32		31	10	15	19	26						
GROOTE HEIDE REUZELEUK	2021	IMMERMOED MOON BOOTS	5.75	105	103	72	72	89	99	92	92	100	95	79	86	3	2				
		IMMER MOED XAZU		24	44	30	34	5	56	34	55	35	38	42	48						
GROOTE HEIDE TAKKIE	2021	DELATRO X'WINSLO	5.65	111	105	80	112	107	100	102	99	105	106	102	104	2	1				
		GROOTE HEIDE EEF		20	42	26	42	13	59	42	58	43	45	48	53						
GROOTE HEIDE X BILLY	2022	DELATRO X'WINSLO	6.06	106	110	97	108	99	90	105	95	96	98	92	95						
		GROOTE HEIDE ASSEPOETS OF IMMERMOED		5	5	16	43	14	59	42	58	43	46	48	53						
GROOTE HEIDE X BOBBY	2022	DELATRO X'WINSLO	6.06	106	110	95	118	100	99	105	94	96	99	94	97	6	1				
		GROOTE HEIDE ASSEPOETS OF IMMERMOED		5	5	28	43	14	59	42	58	43	46	48	53						

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	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
GROOTE HEIDE ESKA	2023	GLADIATOR NHIMU EUCLA RAMBO	5.19	116	101	98	111	104	99	113	105	106	116	108	109					
		GROOTE HEIDE EEF		5	13	5	36	5	56	36	55	37	40	43	49					
GROOTE HEIDE GIGI	2024	GLADIATOR NHIMU EUCLA RAMBO	3.98	107	101		82	105	104	125	121	116	118	96	113					
		IMMER MOED XAZU		5	5	39	5	58	38	56	40	42	45	51						
GROOTE HEIDE GRIETJE	2024	GLADIATOR NHIMU EUCLA RAMBO	3.98	107	101		90	105	104	124	128	118	114	95	115					
		IMMER MOED XAZU		5	5	39	5	58	38	56	40	42	45	51						
GROOTE HEIDE HABIBI	2024	GLADIATOR NHIMU EUCLA RAMBO	4.63	118	97	96	105		102	120	114	108	112	94	108					
		IMMERMOED GROOTE HEIDE JOFEL		5	24	16	39		58	38	57	40	43	45	51					
MINTAKAROO MELB	2024	MIDDELPOS BBD GAMKA	10.18	116	123	100	91	111	103	109	124	121	112	103	116					
		MINTAKAROO MONALISA		5	5	23	46	25	55	44	55	46	48	49	52					
GROOTE HEIDE LELLEBEL	2024	GLADIATOR NHIMU EUCLA RAMBO	4.86	110	100	116	95	106	98	119	120	113	116	98	112					
		GROOTE HEIDE LEKKER DING		5	5	7	23	5	37	23	36	24	26	29	33					
GROOTE HEIDE OKIDOKI	2025	GLADIATOR NHIMU EUCLA RAMBO	3.98	107	101		92	103	103	121	121	113	115	97	113					
		IMMER MOED XAZU		5	5		27	5	41	27	40	28	30	32	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
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	
MIDDELPOS BBD SIMSON		NOSTRAS MIDDELPOS JANUS	3.52	119	96	87	82	62	96	92	89	79	81	86	80	111	17	15	7	1	16
	2006	MIDDELPOS BBD PENNY		18	17	48	56	33	70	56	69	57	59	61	65		13			9	
DELATRO X WINSLO		DELATRO KARDO	5.76	108	109	82	130	114	108	119	113	110	118	113	119	101	6	35	7	7	20
	2015	MIDDELPOS BBD KALAHARI		5	24	45	71	47	83	71	82	72	73	75	79		26			7	
CHARMEUR FROM SOUS AFRIKA (POETIN)		SEMARGL ADZHEY	3.20	110	101	85	90	92	106	101	87	95	93	87	89	2			2	2	1
	2016	FROM SOUS AFRIKA BELLA TEMBI 2		11	26	5	12	5	26	11	25	13	15	17	21					1	
AFRIKA RAMBOMAX		GROENBERG BBD RAMBO	5.19	124	88	112	107	114	91	122	123	113	119	102	117	134	16	24	11	11	25
	2016	AFRIKA GRETEL		56	68	65	76	57	85	75	84	76	78	79	82		23			5	
IMMERMOED MOON BOOTS		TIGERBERG NOMAD	6.30	109	103	119	81	94	84	88	86	98	97	83	85	8	3		8	8	3
	2016	ZAZU BONT EN BLOU		5	25	18	34	5	53	34	51	35	38	41	47		3			1	
GROOTE HEIDE DOLLE DRIES		MIDDELPOS BBD SIMSON	4.59	111	103	100	87	76	91	91	82	81	82	84	78	3	1	2	2	2	1
	2017	GROOTE HEIDE ASSEPOETS OF IMMERMOED		5	23	27	34	5	49	33	48	35	37	39	44		1			1	
MIDDELPOS BBD GAMKA		AFRIKA LEO 5	18.20	138	139	100	78	117	89	106	133	133	109	106	118	137	29	57	5	6	38
	2017	MIDDELPOS BBD DIXIE		34	50	56	81	60	89	80	89	81	83	84	87		42			9	
GLADIATOR NHIMU EUCLA RAMBO		AFRIKA RAMBOMAX	9.14	117	96	95	110	117	99	142	144	123	135	114	134	129	17	13	3	3	2
	2021	DELATRO GALA		5	23	32	56	31	71	55	70	56	59	61	66		10			2	

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	
BUNDU VALLEY BBD DUO PENOTTI	2013	IMMER MOED LUMMELORIS	4.14	83		103	75	83	98	90	103	102	96	81	91	2			1	1	1
		NYAMVUBU KATRYN		5		13	39	5	59	38	57	40	43	46	52						1
GROOTE HEIDE ASSEPOETS OF IMMERMOED	2015	DELATRO GREGOR-KLEINTJIE	3.62	104	111	113	94	88	88	92	80	86	85	80	79	6	1	2	2	2	3
		IMMER MOED KO-BA		5	28	20	29	5	46	28	45	30	32	35	40				1		1
IMMERMOED GROOTE HEIDE JOFEL	2016	DELATRO GREGOR-KLEINTJIE	2.94	120	97	97	97	91	106	92	85	89	86	84	85	11	2	4	5	5	1
		IMMER MOED FLODDER		37	57	34	37	5	54	36	53	38	40	43	48				2		1
IMMER MOED XAZU	2017	CHARMEUR FROM SOUS AFRICA (POETIN)	3.57	98	105	93	75	90	106	100	99	103	95	81	91	17	2	5	3	3	2
		BUNDU VALLEY BBD DUO PENOTTI		5	22	17	31	5	49	30	48	32	34	37	43				3		1
GROOTE HEIDE EEF	2018	IMMERMOED MOON BOOTS	5.02	115	106	102	93	93	95	88	82	94	93	88	85	10		3	1	1	1
		IMMERMOED GROOTE HEIDE JOFEL		20	41	5	24	5	43	23	42	25	28	31	37				2		1
GROOTE HEIDE ESMEE (BELLA)	2018	IMMERMOED MOON BOOTS	5.02	108	79	108	86	95	94	94	95	101	92	80	89	4		4	2	2	2
		IMMERMOED GROOTE HEIDE JOFEL		21	41	5	26	5	44	25	43	27	29	32	38				4		1
GROOTE HEIDE GOED GEMUTST	2018	IMMERMOED MOON BOOTS	6.64	109	113	139	89	91	87	90	81	91	91	82	81	23	1	6			
		GROOTE HEIDE ASSEPOETS OF IMMERMOED		5	31	6	14	5	35	13	34	16	19	23	29				6		
DELATRO GALA	2018	DELATRO X'WINSLO	6.47	110	104	84	107	108	108	122	120	109	119	113	119	11	1	1	1	1	1
		JAMBAL LIELA		5	5	34	45	19	57	45	57	46	47	49	53						1
GROOTE HEIDE LEKKER DING	2020	IMMERMOED MOON BOOTS	5.75	103	103	137	80	96	97	97	95	103	97	82	90	32	2	3	3	3	1
		IMMER MOED XAZU		5	26	28	24	5	43	23	42	25	28	31	37						1
MINTAKAROO MONALISA	2020	CDH THUNDER	8.25	93	107	100	104	105	117	112	115	108	115	100	113	6	2	3			
		MINTAKAROO NO-HESITATION		5	5	34	56	31	72	55	71	57	59	62	67				2		
GROOTE HEIDE X BOBBY	2022	DELATRO X'WINSLO	6.06	106	110	95	118	100	99	105	94	96	99	94	97	6	1				
		GROOTE HEIDE ASSEPOETS OF IMMERMOED		5	5	28	43	14	59	42	58	43	46	48	53						

