



BOERBOK GENETIC REPORT

21 September 2026

MASKAR BOER GOAT FARM

FDM : 9168



CERTIFICATE
OF QUALITY

Valid up to
October 2029



 **SA** STAMBOEK
STUD BOOK
'n Storie met twee kante

General Information

This **Genetic Report** of your flock enables you to determine the genetic merit and potential of the animals in your herd relative to that of the breed. An animal's performance is determined by two factors, namely the environment and genetics. Good nutrition and management can improve performance, but an animal cannot perform better than its genetic potential. Superior performance due to the environment cannot be carried over to the next generation. It is therefore extremely important not to neglect genetic progress of your flock. Due to the interaction between environment and genetics, it is difficult to identify genetically superior animals on performance data. Estimated Breeding Values (EBVs) are therefore predicted for every animal to determine its genetic potential, as well as its worth as a parent for the next generation. Through the use of EBVs, animals can be compared fairly **within the breed**, therefore across herds, years and production systems. Results presented in this report allow the breeder to identify the underlying genetics of the animals.

Genetic parameters

Genetic parameters (heritability and genetic correlations) are estimated on a breed-basis and are required for the prediction of breeding values. The **heritability** refers to the portion of the variation of a trait in a population that is due to transferrable genetics (the rest of the variation can be attributed to the environment and non-transferrable genetics). Some traits are genetically correlated, which means that a change in one trait will lead to changes in other traits. The strength of this association amongst traits is referred to as a **genetic correlations** and can be desirable or undesirable.

Breeding Values

The prediction of EBVs makes use of performance recordings of the animal as well as those of its relatives, pedigree information and genetic parameters. The deviation of the animal's measurement relative to the average of its contemporary group, forms the basis for identifying the animal's genetic potential for the trait. A **contemporary group** is a group of animals that have been exposed to the same environmental and biological effects, including herd, year, sex and age effects. After adjusting for differences in these effects, animals can fairly be compared and the difference in performance that still persist are then assumed to be due to differences in the genetic merit of the animals.

The EBV predicted for an animal at birth and until it has been measured, is the average EBV of its parents, since the animal received half of its genes from each parent. This mid-parent value makes the assumption that the same half of the parents' genes are carried over to all their offspring. In reality, each offspring receives a random sample of each parent's genes,

therefore mid-parent EBVs are still of low accuracy, but it does indicate the genetic level that can be expected due its parental history. An animal's true genetic merit can be predicted more accurately as more information becomes available, eg. when the animal has been measured or when the number of relatives with measurements increases. Estimated breeding values therefore change over time as more information becomes available. EBVs of animals are published with an **accuracy** (%), which indicates how much information was available for the estimation of breeding values and therefore the confidence with which a breeder can use it. Factors that influence the accuracy of an EBV are the heritability of the trait, the number of measured relatives, the size of the contemporary group, the precision with which the measurements were taken and the completeness of pedigree information. An EBV with an accuracy of 85% or more is less likely to change significantly with subsequent genetic analyses.

Interpretation of breeding values

EBVs are expressed around a **base year** (5 years ago), which means that the average breeding value of the base year is set as zero and all breeding values are expressed relative to this average. An animal with an EBV of +1kg for weaning weight is therefore genetically superior by 1kg compared to an average animal born in the base year. EBVs therefore express genetic merit of animals relative to each other. The true performance of an animal cannot be calculated from the EBV, but it enables the breeder to know which animals will make a better contribution to the next generation. For easier interpretation EBVs are also expressed as breeding value indices. For these indices the average value of the **active population** is set as 100 with a standard deviation of 12. An index of 76 therefore indicates that the animal is 2 standard deviations below the average and an index of 112 indicates that the animal is 1 standard deviation above the average of the active population for the specific trait. Please note that negative EBVs are favourable for Inter-Lambing Period and Age at First Lambing, therefore shorter inter-lambing periods and younger ages at first lambing indicates better fertility. However, breeding value indices are expressed in the same way for all traits, therefore higher indices indicates desirability for the traits and lower indices are undesirable. This makes it easy to identify superior animals for all traits.

The data used in this evaluation has been obtained from LOGIX, as supplied by breeders. Everything possible had been done to present the information correctly. SA Stud Book does not take any responsibility for the use and interpretation of the information from this publication.

Selection Indices

It is easy to select on a single trait, but that is not the best approach to follow. Selecting on only one trait can lead to the deterioration of performance in other traits due to genetic correlations. There are different traits that are important, some being more important than others. A selection index combines multiple traits, each with an economic weight to take the different levels of importance into account. EBVs for different traits cannot simply be added together, since the unit of measurement and range of the values differ and in some cases negative values are favoured. These factors are accounted for in the compilation of a selection index. An overall selection index includes EBVs of all the traits of economic importance, while other selection indices are more focused on specific breeding objectives. Selection indices are expressed around 100, with 100 being the average of the active population, with a standard deviation of 12. A selection index of 124 is therefore 2 standard deviations above the average and an index of 88 is one standard deviation below the average of the active animals of the population.

Two Indices are constructed for the Boer Goat breed, namely the Logix Merit Index and the Reproduction Index. These indices, their purpose and the contribution of the different traits to the indices are summarised as follows :

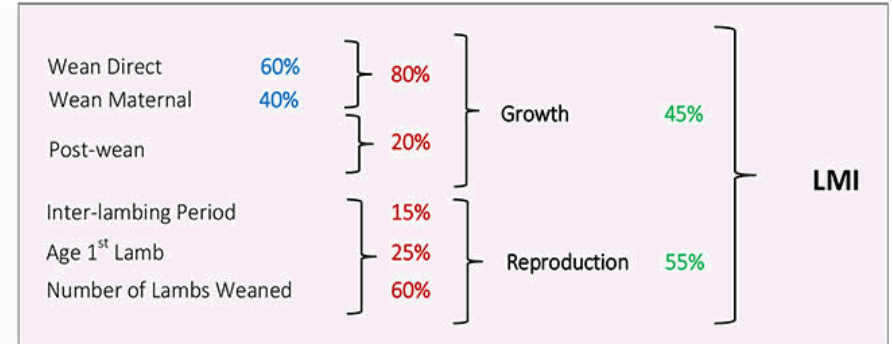
Logix Merit Index (LMI)

This index combines all the traits to select for a balanced, profitable animal that is fertile and delivers a desirable level of production. Selection based on the LMI will lead to breeding of balanced animals that will have the genetic potential to wean at a heavier weight (both due to its own potential and having dams that produce sufficient milk), lambs at an early age, lambs regularly and give multiple lambs. This value is especially important for sustainability, which requires the selection of good, productive replacement animals for the flock.

The LMI is constructed as follows :

$$LMI = (0.1375 * AFL) + (0.0825 * ILP) + (0.216 * Wean Dir) + (0.144 * Wean Mat) + (0.33 * N_Lambs_Weaned) + (0.09 * Post-Wean Dir)$$

Schematically the LMI can be explained as follows :



Reproduction Index (RI)

This index includes Weaning Maternal, Number of Lambs Weaned, Age at First Lambing and Inter-lambing Period. This is especially an important index to consider in the development of a dam line.

The RI is constructed as follows :

$$(0.2 * AFL) + (0.2 * ILP) + (0.3 * Wean Mat) + (0.3 * N_Lambs_Weaned)$$

Schematically it can be explained as follows :



It is always important to consider the traits that contribute to the index individually when selection of animals is based on indices. It sometimes happen that an animal receives a good index due to its exceptional genetic merit of a specific trait, while some of the other traits of the animal in the index might be at undesirable levels for the specific flock's breeding objective, but masked in the index due to the exceptionality of that trait. A sound procedure is to rank animals based on the relevant selection index and then eliminate animals from the list that do not conform towards the flock's breeding objectives when considering the individual traits. Make use of all the available information.

Active Genetic Levels

Genetic Averages : Breeding Values

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Weaning Weight Direct	-0.04	-0.12	0.03	-0.06	-0.01	-0.09
Weaning Weight Maternal	-0.02	0.02	-0.06	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.04	-0.04	-0.05	-0.06	-0.03	-0.07
Post-wean Weight	0.35	0.21	0.48	0.50	0.58	0.45
Number Lambs Weaned	-1.14	-1.21	-1.08	-0.36	-0.55	-0.26
Total Weight Weaned	-0.75	-0.82	-0.68	-0.31	-0.37	-0.27
Age at First Lambing	5.26	4.56	5.93	-0.30	-0.22	-0.35
Inter-lambing Period	-2.90	-2.81	-2.98	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	98	98	98	101	100	101
Reproduction Index	100	101	100	102	101	102
Inbreeding						
Inbreeding (%)	3.74	4.06	3.44	5.54	5.93	5.34
Number of Animals						
Number of Animals	31	15	16	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	99.2	98.4	100.0
Weaning Weight Maternal	100.2	101.3	99.2
Weaning Weight Comb	99.6	99.7	99.5
Post-wean Weight	97.9	97.0	98.7
Number Lambs Weaned	98.0	97.7	98.3
Total Weight Weaned	98.2	97.8	98.6
Age First Lambing	93.1	94.0	92.2
Interlambing Period	109.9	109.6	110.1
Selection Indices			
Logix Merit Index	98.0	97.8	98.2
Ewe Index	100.2	100.8	99.5
Growth Index	98.3	97.5	99.0
Inbreeding			
Inbreeding (%)	3.74	4.06	3.44
Number of Animals			
Number of Animals	31	15	16

** Averages of all active animals in the flock.

Inbreeding

Inbreeding primarily leads to decreased fertility and low survivability of lambs. The effects of inbreeding can be observed from 6.25% onwards. It is therefore highly recommended to record pedigree information as accurately and completely as possible and to use a selection programme for selection of unrelated rams.

Incomplete or incorrect pedigree information can be reported to SA Stud Book. Inbreeding is dependent on pedigree information. Conventional methods for the Calculation of inbreeding coefficients usually assume that unknown parents are unrelated. However, this is usually far from the truth. An algorithm is used for the calculation of inbreeding, where the average inbreeding coefficient is assigned to unknown parents based on the generation in which they were born. This result is a more accurate reflection of inbreeding of the herd and breed.

Inbreeding Levels for Specific Matings

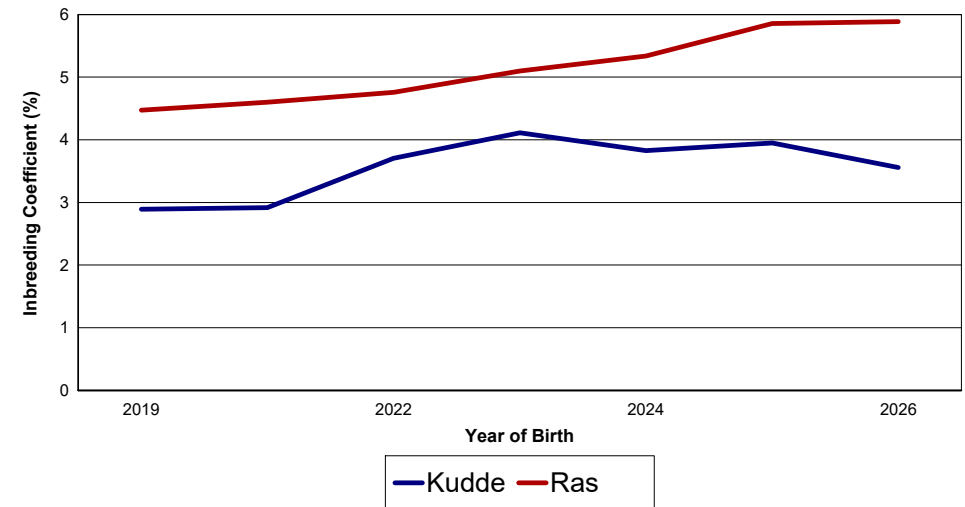
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2019 - 2026	3.56	0.10
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

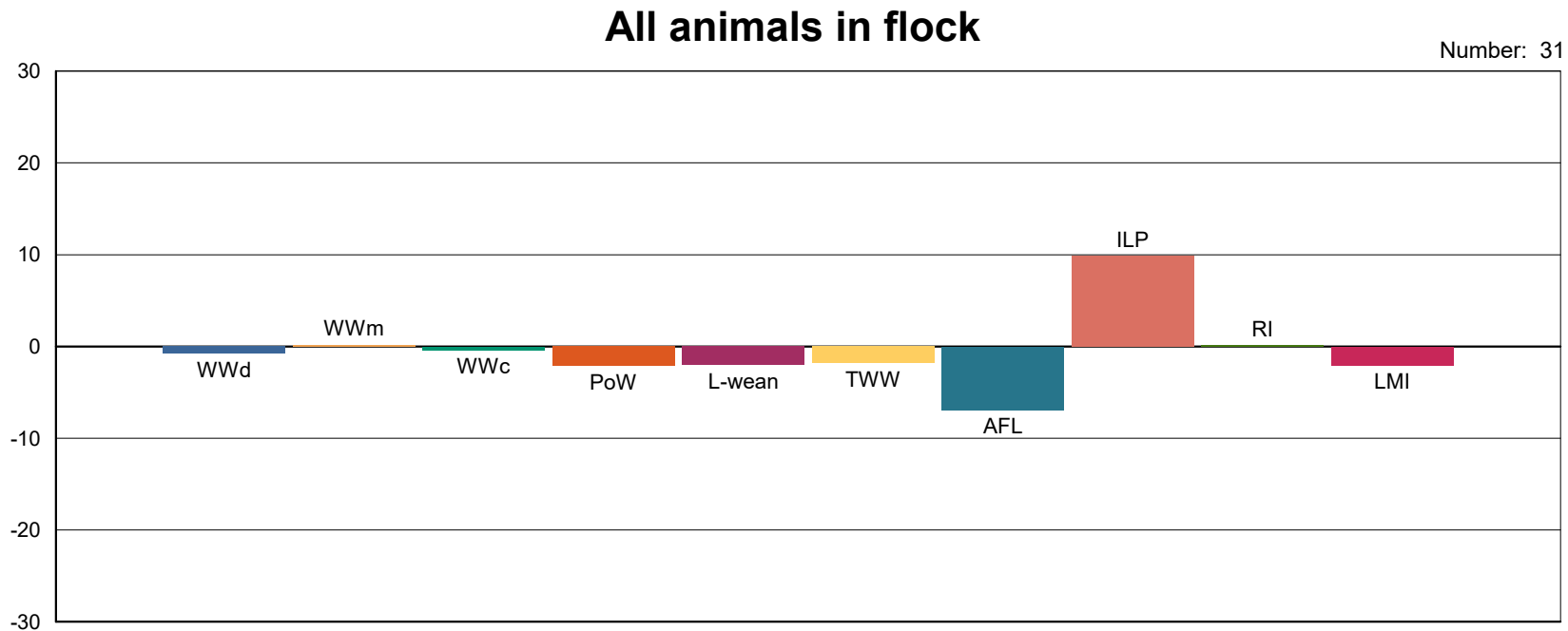


Pedigree Information

	Number	%
Known Sires	31	100
Known Dams	31	100

Note: Inbreeding can be under-estimated if pedigree information is incomplete or incorrect

Genetic Windows



WWd: Weaning Weight Direct
WWm: Weaning Weight Maternal
WWc: Weaning Weight Combined
PoW: Post-Wean Weight
L-wean: Number of Lambs Weaned
TWW: Total Weight Weaned
AFL: Age at First Lambing
ILP: Inter-lambing Period
RI: Reproduction Index
LMI: Logix Merit Index

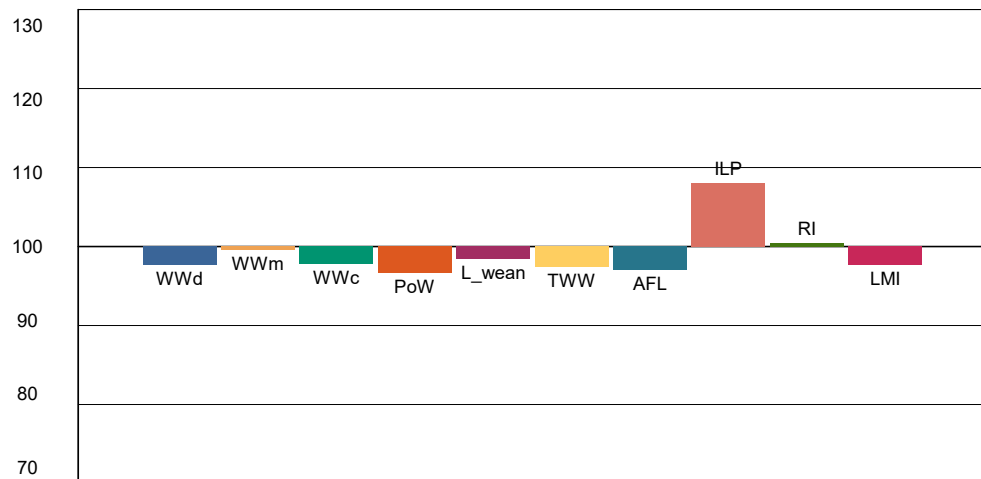
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger than 2-years old. An index of 100 is equal to the average of the active measured population. Due to the higher selection intensity on rams (selection is more strict since a much smaller percentage of young animals are retained in the flock), the expectation is for the average index of the sires to be higher than that of the dams.

Remember that the EBV index for AFL and ILP are presented in such a way that an index above 100 indicates animals that have a lower EBV for these traits.

Genetic Windows

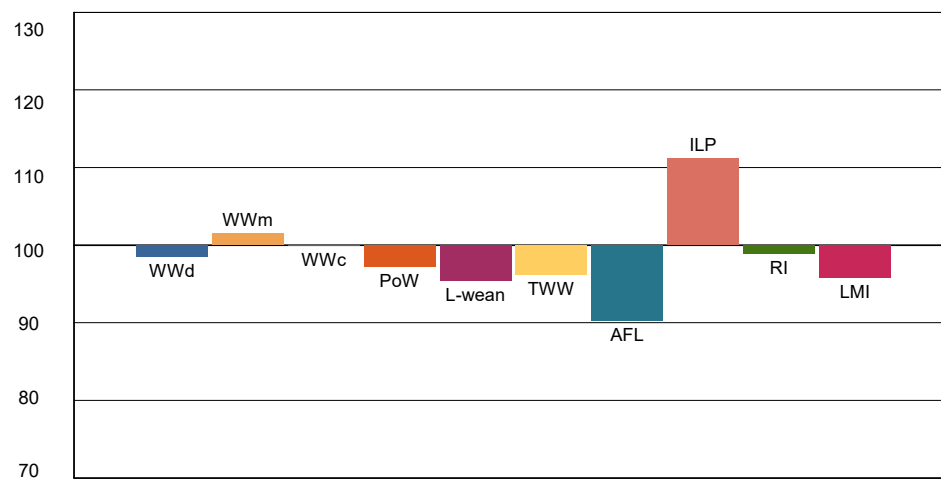
Dams

Number: 12



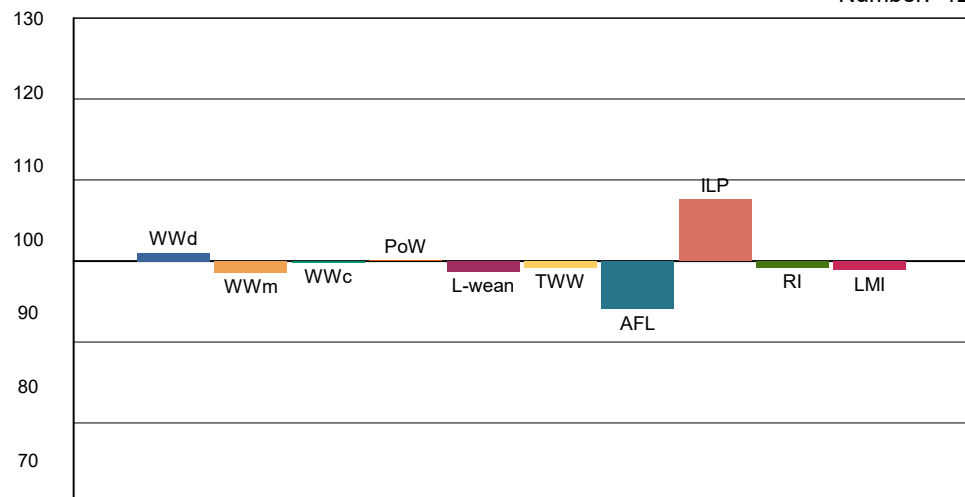
Sires

Number: 15



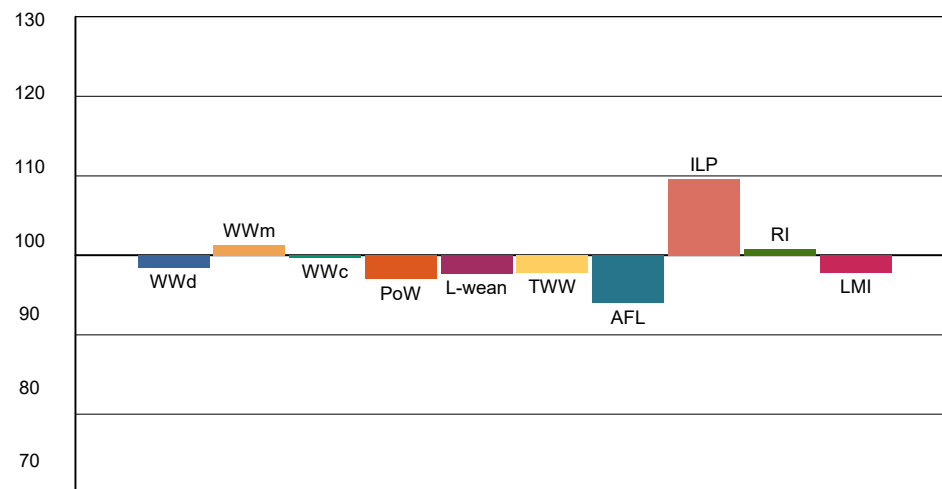
Young Ewes

Number: 12



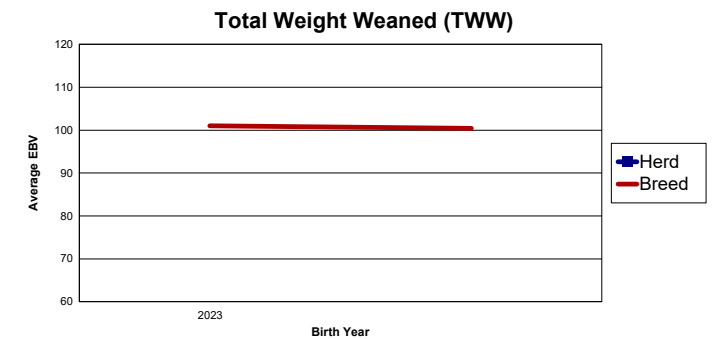
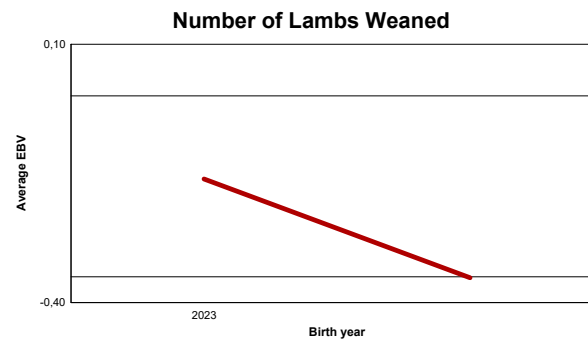
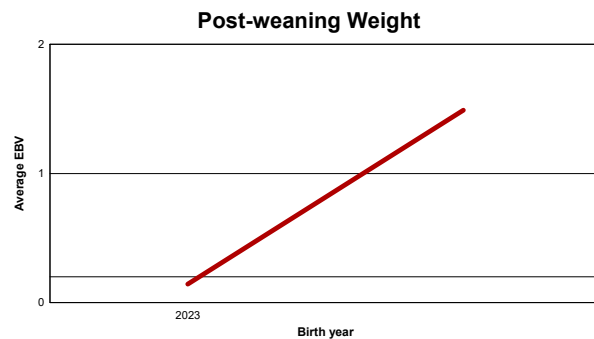
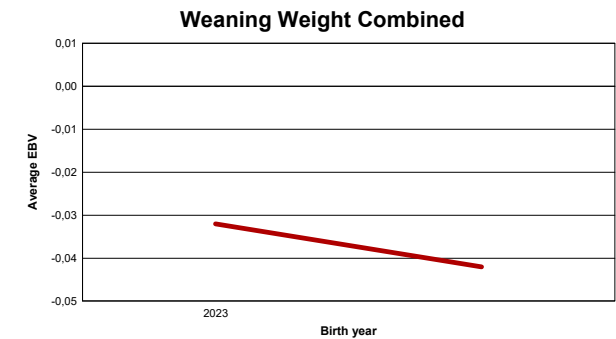
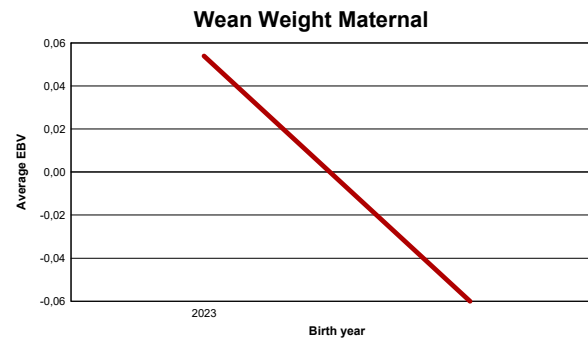
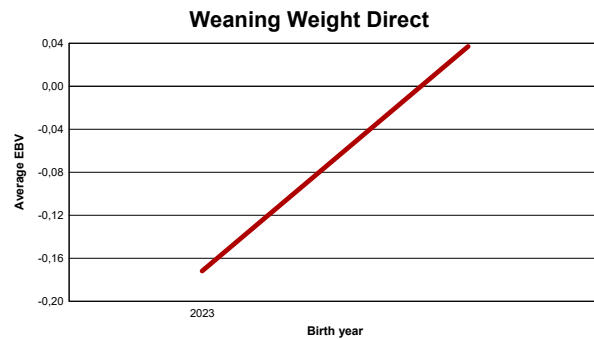
Young Rams

Number: 15



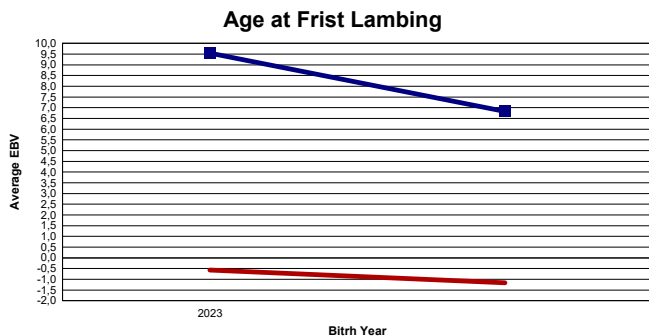
Genetic Trends

Genetic trends are based on measured animals that were bred by the specific breeder.

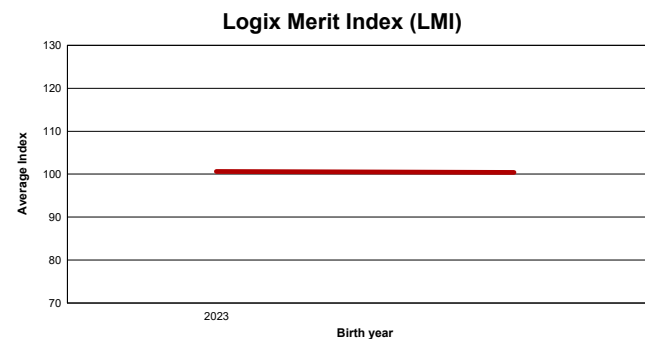
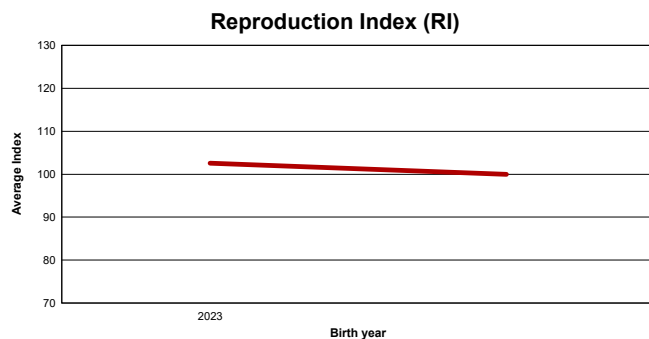
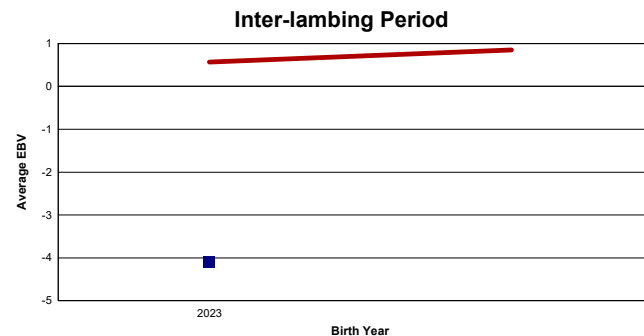


Genetic Trends

Genetic trends are based on measured animals that were bred by the specific breeder.



For AFL and ILP flock genetic trends below breed averages are desirable.



Genetic Trends of Breed

Birth year	Weaning Weight				Post-wean	Lambs Weaned		TWW	AFL		ILP		RI	LMI		
	EBV					EBV			EBV		EBV					
	Number	Dir	Mat	Comb		Number	EBV		Number	EBV	Number	EBV			Number	EBV
2013	1336	-0.37	0.02	-0.17	108	0.51	508	0.24	1336	100	1078	-2.27	653	0.70	1336	100
2014	1007	-0.37	-0.07	-0.26	58	-0.17	671	0.13	1007	99	1072	-1.16	661	0.26	1007	97
2015	1626	-0.20	0.08	-0.02	233	1.23	705	0.74	1626	104	1180	-1.69	715	0.18	1626	106
2016	1804	-0.26	0.04	-0.09	239	0.72	791	0.07	1804	102	1291	-1.49	887	0.13	1804	102
2017	2163	-0.29	-0.02	-0.17	313	1.21	825	0.29	2120	99	1404	-1.53	992	0.29	2120	99
2018	2547	-0.28	0.07	-0.07	236	0.58	909	0.35	2519	101	1853	-0.08	1275	-0.77	2519	104
2019	2144	-0.01	0.02	0.01	254	0.24	889	0.13	2138	102	2101	-0.70	1389	0.07	2138	102
2020	2459	-0.10	0.04	-0.01	436	-0.69	864	0.14	2459	102	2740	-0.11	1744	-0.19	2459	101
2021	1759	0.00	0.00	0.00	330	0.00	823	-0.01	1759	103	3094	0.00	1960	0.00	1759	104
2022	2519	-0.07	0.05	0.02	427	0.54	802	-0.40	2519	102	3449	-0.76	1843	0.46	2519	103
2023	2896	-0.17	0.05	-0.03	465	-0.06	570	-0.16	2894	101	3098	-0.57	1076	0.57	2894	103
2024	3036	0.04	-0.06	-0.04	414	1.29	196	-0.35	3035	100	1825	-1.17	154	0.85	3035	100
2025	2284	0.15	-0.01	0.07	476	1.04			2283	103	82	-1.16			2283	102

Genetic Trends of Flock

Birth year	Weaning Weight				Post-Wean	Lambs Weaned		TWW		AFL		ILP		RI		LMI
	Number	Dir	Mat	Comb		Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	
2023										1	9.54	1	-4.10			
2024											6.83					

Breeding Value & Selection Index Percentiles

The percentiles indicate the ranking of the animals' EBVs and Selection Indices within the active population.

For example, if an animal's EBV for a specific trait falls between the maximum and 99% percentile of the trait, it means that this animal ranks in the top 1% of the active population, or this animal's genetic merit for the trait is better than 99% of that of the active population.

Should the EBV for a specific trait falls between the 5% and 10% percentile, it means that the animal ranks in the bottom 10% of the active population for the specific trait, or the animal's genetic merit is worse than 90% of the active population.

Note that the percentiles for Age at First Lambing and Inter-lambing Period EBVs work on the reverse scale.

All Active Animals

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.06	0.74	-4.91	-1.74	-1.04	-0.83	-0.65	-0.57	-0.48	-0.32	-0.16	0.02	0.22	0.35	0.51	0.91	1.28	2.04	4.89
Weaning Weight Maternal	-0.02	0.33	-2.29	-0.90	-0.58	-0.43	-0.26	-0.20	-0.15	-0.07	0.00	0.06	0.11	0.15	0.20	0.35	0.49	0.86	2.30
Weaning Weight Combined	-0.06	0.49	-2.89	-1.24	-0.79	-0.58	-0.39	-0.33	-0.28	-0.21	-0.12	-0.01	0.12	0.20	0.29	0.58	0.84	1.32	3.11
Post-Wean Weight	0.50	1.23	-7.95	-2.29	-1.01	-0.67	-0.42	-0.31	-0.19	0.05	0.33	0.61	0.96	1.14	1.38	1.99	2.60	4.25	12.54
Number of Lambs Weaned	-0.36	2.06	-13.10	-5.70	-4.20	-3.30	-2.20	-1.70	-1.30	-0.50	0.10	0.60	1.10	1.30	1.40	1.60	2.00	3.80	11.20
Total Weight Weaned	-0.30	1.53	-9.52	-4.12	-2.96	-2.34	-1.52	-1.22	-0.94	-0.48	-0.12	0.16	0.38	0.52	0.74	1.37	2.06	3.69	8.21
Age at First Lambing	-0.30	-6.96	62.93	17.45	10.46	7.50	4.40	3.30	2.43	0.97	-0.37	-1.47	-2.89	-3.74	-4.73	-7.80	-10.96	-19.95	-75.66
Interlambing Period	0.15	-3.66	23.72	9.96	6.51	4.87	2.99	2.35	1.75	0.75	-0.15	-0.94	-1.75	-2.21	-2.71	-4.10	-5.38	-8.00	-21.68
Reproduction Index	102	10	49	75	84	88	94	96	98	101	103	105	107	108	109	112	114	121	146
Logix Merit Index	101	9	62	79	85	89	94	95	97	100	102	103	105	106	107	111	116	126	147

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

Breeding Value & Selection Index Percentiles

All Active Rams

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.01	0.75	-4.91	-1.73	-0.99	-0.78	-0.60	-0.51	-0.41	-0.26	-0.09	0.07	0.30	0.42	0.57	0.96	1.32	2.10	3.75
Weaning Weight Maternal	-0.03	0.31	-1.73	-0.81	-0.55	-0.42	-0.26	-0.20	-0.16	-0.08	-0.01	0.05	0.11	0.14	0.19	0.33	0.45	0.76	1.79
Weaning Weight Combined	-0.03	0.46	-2.44	-1.09	-0.69	-0.51	-0.36	-0.31	-0.26	-0.19	-0.10	0.01	0.14	0.21	0.29	0.57	0.82	1.25	2.18
Post-Wean Weight	0.58	1.24	-7.95	-2.36	-0.94	-0.60	-0.33	-0.22	-0.10	0.17	0.45	0.71	1.06	1.24	1.48	2.06	2.64	4.24	12.54
Number of Lambs Weaned	-0.55	2.07	-8.30	-5.70	-4.40	-3.60	-2.40	-2.00	-1.50	-0.80	-0.20	0.40	0.80	1.10	1.30	1.60	1.90	3.60	8.30
Total Weight Weaned	-0.37	1.55	-5.94	-4.10	-3.06	-2.47	-1.65	-1.33	-1.05	-0.55	-0.18	0.11	0.37	0.50	0.72	1.35	2.01	3.69	7.18
Age at First Lambing	-0.22	-6.62	39.94	16.34	10.21	7.43	4.48	3.42	2.57	1.12	-0.29	-1.47	-2.85	-3.69	-4.63	-7.53	-10.44	-18.29	-65.44
Interlambing Period	0.19	-3.45	20.34	9.44	6.20	4.66	2.89	2.30	1.73	0.78	-0.11	-0.90	-1.67	-2.11	-2.61	-3.86	-4.98	-7.30	-14.85
Reproduction Index	101	9	55	76	83	88	93	95	97	100	103	105	107	108	109	111	114	120	135
Logix Merit Index	100	9	65	79	85	88	93	95	97	99	101	103	105	106	107	111	116	126	144

All Active Ewes

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.09	0.74	-3.89	-1.74	-1.07	-0.86	-0.67	-0.60	-0.51	-0.36	-0.20	-0.02	0.19	0.31	0.47	0.88	1.27	2.00	4.89
Weaning Weight Direct	-0.02	0.34	-2.29	-0.94	-0.59	-0.44	-0.27	-0.20	-0.15	-0.07	0.00	0.06	0.12	0.16	0.21	0.37	0.52	0.89	2.30
Weaning Weight Combined	-0.07	0.50	-2.89	-1.31	-0.83	-0.62	-0.41	-0.34	-0.29	-0.22	-0.13	-0.02	0.11	0.19	0.29	0.58	0.85	1.36	3.11
Post-Wean Weight	0.46	1.22	-6.83	-2.27	-1.05	-0.70	-0.46	-0.36	-0.24	-0.01	0.27	0.55	0.90	1.09	1.33	1.96	2.58	4.25	8.78
Number of Lambs Weaned	-0.26	2.05	-13.10	-5.80	-4.10	-3.20	-2.00	-1.60	-1.10	-0.40	0.20	0.70	1.10	1.30	1.50	1.70	2.00	3.90	11.20
Total Weight Weaned	-0.27	1.52	-9.52	-4.15	-2.89	-2.26	-1.45	-1.16	-0.90	-0.44	-0.10	0.19	0.39	0.54	0.75	1.38	2.08	3.69	8.21
Age at First Lambing	-0.34	-7.13	62.93	18.10	10.67	7.55	4.36	3.23	2.34	0.88	-0.38	-1.48	-2.90	-3.76	-4.78	-7.95	-11.29	-20.92	-75.66
Interlambing Period	0.13	-3.78	23.72	10.31	6.69	4.98	3.03	2.38	1.76	0.73	-0.17	-0.94	-1.80	-2.27	-2.76	-4.23	-5.54	-8.30	-21.68
Reproduction Index	102	10	49	74	84	89	94	96	98	101	104	106	108	109	109	112	115	122	146
Logix Merit Index	101	9	62	79	86	89	94	96	97	100	102	103	105	106	107	111	116	126	147

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

Rams

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information					Selection Indices		EBV - Weights				EBV - Fertility											
Animal ID Comp no.			Parents			% In-breeding	Logix Merit Index	Reproducti on	Wean Weight		Post-Wean		Number Weaned		TWW		AFL		ILP		Dam	
									Dir	Mat	Comb		Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index
			Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
9108	22	0070	762	16	0523	3.71	88	96	-0.89	0.05	-0.40	-0.99	-2.50	-2.34	12.70	-5.08	4					
	95588588		9108	21	0028				27	90	27	102	18	92	25	89	33	84	22	116		
9168	24	0001	9108	22	0070	4.12	97	103	-0.43	0.01	-0.20	-0.44	-0.90	-0.96	6.83	-5.00	7					
	107208076		1610	19	0168				17	95	17	101	10	99	15	97	23	91	15	116		
9168	24	0003	9168	23	0002	4.27	92	98	-0.32	0.05	-0.11	-0.31	-2.10	-1.53	13.65	-5.88	3					
	107208092		9108	20	0032				21	96	19	102	13	94	18	94	22	82	15	118		
9168	24	0005	9168	23	0002	3.24	98	99	-0.13	-0.03	-0.09	0.12	-1.50	-1.06	-4.54	1.46	2					
	107484925		9108	23	0016				19	98	16	100	11	96	16	96	23	106	17	98		
9168	25	0002	9108	20	0001	3.75	97	101	-0.19	0.07	-0.03	0.08	-1.50	-1.02	4.99	-3.69	3					
	107484941		9168	23	0003				22	98	20	102	15	96	20	97	23	93	18	112		
9168	25	0003	9114	22	0004	3.48	100	103	-0.21	0.18	0.08	0.25	-1.00	-0.63	-2.70	0.80	7					
	107781114		1610	19	0168				23	97	19	105	8	99	18	99	22	103	14	100		
9168	25	0004	9114	22	0004	3.48	100	103	-0.21	0.18	0.08	0.25	-1.00	-0.63	-2.70	0.80	7					
	107781122		1610	19	0168				23	97	19	105	8	99	18	99	22	103	14	100		
9168	25	0005	9176	22	0006	4.41	92	103	-0.99	0.09	-0.40	-1.34	-1.00	-1.49	12.09	-6.60	3					
	107781130		9108	20	0032				18	89	18	103	11	99	16	94	22	84	14	120		
9168	25	0006	9102	23	0014	6.58	93	96	0.07	-0.06	-0.02	0.52	-2.80	-1.67	7.41	-4.07	3					
	111188876		9168	23	0003				25	101	23	99	15	90	22	93	24	90	18	113		
9168	25	0007	9102	23	0014	6.58	93	96	0.07	-0.06	-0.02	0.52	-2.80	-1.67	7.41	-4.07	3					
	111188884		9168	23	0003				25	101	23	99	15	90	22	93	24	90	18	113		
9168	25	0008	1298	21	0426	3.56	109	107	0.72	-0.03	0.33	1.46	0.60	1.05	1.23	-4.04	7					
	111188900		1610	19	0168				27	108	24	100	11	106	22	109	30	98	23	113		
9168	26	0004	9114	22	0003	4.69	99	98	0.49	-0.06	0.19	1.23	-1.50	-0.47	7.82	-2.99	3					
	113800205		9168	23	0003				22	105	20	99	12	96	19	100	25	90	19	110		

Rams

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information						Selection Indices		EBV - Weights						EBV - Fertility										
Animal ID Comp no.			Parents			% In-breeding	Logix Merit Index	Reproduction	Wean Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam							
									Dir	Mat	Comb						EPI	Times Lambd						
								EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index						
Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15									
9168	26	0006	9168	25	0003	3.03	101	101	0.17	0.00	0.08	0.79	-0.60	-0.19	1.57	-0.27		1						
	113800254		9103	25	0003				18	102	14	101	102	7	101	7	101	14	101	16	98	11	103	
9168	26	0007	9168	25	0003	3.03	101	101	0.17	0.00	0.08	0.79	-0.60	-0.19	1.57	-0.27		1						
	113800262		9103	25	0003				18	102	14	101	102	7	101	7	101	14	101	16	98	11	103	
9168	26	0008	9140	24	0003	3.03	105	108	-0.07	-0.05	-0.08	0.30	1.00	0.48	0.99	-3.27		7						
	114313042		1610	19	0168				13	99	12	100	99	7	98	5	108	11	105	18	99	12	111	
Ram Flock Average: Number of rams in the flock: 15						98	101	-0.12	0.02	-0.04	0.21	-1.21	-0.82	4.56	-2.81									

Ewes

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information				Selection Indices		EBV - Weights				EBV - Fertility												
Animal Comp no.				% In- breeding	Logix Merit Index	Repro- duction Index	Wean Weight		Post-Wean		Number Weaned		TWW		AFL		ILP		Times EPI Lamberd			
							Dir		Mat		Comb											
							Acc	Index	Acc	Index	EBV Index	Acc	EBV Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Phenotype
Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15									
1610 19 0168 90097817	1610 18 0100 1610 15 0113	2.89	106	109	0.02 21 100	-0.02 21 100	-0.01 100	0.12 10 96	0.80 9 107	0.48 18 105	0.97 31 99	-4.91 20 115	7									
9108 20 0032 95587804	762 16 0523 1432 17 0247	2.92	91	102	-0.96 25 89	0.21 25 106	-0.27 96	-1.24 11 88	-1.40 17 97	-1.59 23 93	18.29 32 77	-8.56 20 125	3									
9168 23 0003 97971352	762 19 0465 1610 19 0168	3.85	94	94	0.32 34 103	-0.10 28 98	0.06 101	0.62 17 100	-2.80 19 90	-1.46 28 94	9.54 31 88	-4.10 26 113	3									
9103 24 0006 99804809	9108 19 0024 9103 22 0006	3.67	93	98	-0.33 21 96	-0.04 19 100	-0.21 97	-0.12 9 95	-1.80 12 95	-1.45 18 94	12.12 21 84	-5.30 14 117	1									
9134 25 0001 109796821	9114 22 0004 9159 21 0001	4.37	93	101	-0.72 27 92	0.33 23 109	-0.04 100	-0.16 15 95	-2.50 14 92	-1.90 22 92	1.89 25 97	-0.67 17 104	0									
9103 25 0003 110046992	9114 21 0008 776 20 0051	2.23	102	98	0.55 27 106	-0.19 21 96	0.09 102	1.33 12 104	-0.30 12 102	0.19 21 104	5.83 24 92	-1.33 16 106	1									
9103 25 0004 110047008	9114 21 0008 776 20 0051	2.23	102	98	0.55 27 106	-0.19 21 96	0.09 102	1.33 12 104	-0.30 12 102	0.19 21 104	5.83 24 92	-1.33 16 106	0									
9134 25 0005 110328663	9114 22 0004 9101 22 0002	3.20	96	98	-0.43 22 95	0.06 17 102	-0.16 98	0.21 7 97	-1.60 7 96	-1.33 17 95	-6.73 20 108	4.68 12 89	0									
9103 25 0007 110047065	9114 21 0008 9103 23 0004	3.98	92	94	0.01 23 100	-0.16 20 97	-0.15 98	0.28 12 98	-2.50 12 92	-1.65 19 93	9.65 22 88	-3.50 15 112	0									
9103 25 0009 110047081	9114 21 0008 9103 22 0006	3.93	95	93	0.34 26 104	-0.32 22 93	-0.15 98	1.02 12 102	-2.10 14 94	-1.24 22 95	4.76 23 94	-1.64 16 106	0									
9168 25 0009 111188918	1298 21 0426 1610 19 0168	3.56	109	107	0.72 27 108	-0.03 24 100	0.33 106	1.46 18 105	0.60 11 106	1.05 22 109	1.23 30 98	-4.04 23 113	0									
9168 26 0002 112191069	9114 21 0008 9103 24 0006	3.74	94	94	0.03 22 100	-0.20 19 96	-0.18 97	0.46 11 99	-1.90 12 94	-1.31 19 95	10.83 21 86	-3.74 14 112	0									
9168 26 0003 112191077	9114 21 0008 9103 24 0006	3.74	94	94	0.03 22 100	-0.20 19 96	-0.18 97	0.46 11 99	-1.90 12 94	-1.31 19 95	10.83 21 86	-3.74 14 112	0									
9168 26 0005 113800197	9114 22 0003 9168 23 0003	4.69	99	98	0.49 22 105	-0.06 20 99	0.19 104	1.23 13 104	-1.50 12 96	-0.47 19 100	7.82 25 90	-2.99 19 110	0									
9168 26 0009 114313380	9140 24 0003 1610 19 0168	3.03	105	108	-0.07 13 99	-0.05 12 100	-0.08 99	0.30 7 98	1.00 5 108	0.48 11 105	0.99 18 99	-3.27 12 111	0									

Ewes

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information				Selection Indices		EBV - Weights				EBV - Fertility													
Animal Comp no.				% In- breeding	Logix Merit Index	Repro- duction Index	Dir		Wean Weight		Comb	Post-Wean		Number Weaned		TWW		AFL		ILP		EPI	Times
							EBV		EBV			EBV		EBV		EBV		EBV		Phenotype	Lambd		
							Acc	Index	Acc	Index	EBV Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index
Active Breed Average:					100	100	-0.06		-0.02		-0.06		0.50		-0.36		-0.31		-0.30		0.15		
9168 26 0010 114313356	9140 24 0003 1610 19 0168	3.03		105	108	-0.07 13 99		-0.05 12 100		-0.08 99		0.30 7 98		1.00 5 108		0.48 11 105		0.99 18 99		-3.27 12 111		0	
Ewe flock average: Total ewes in flock: 16					98	100	0.03		-0.06		-0.05		0.48		-1.08		-0.68		5.93		-2.98		

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny				Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation		2nd Generation		Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam
			Progeny Number	Herds	Progeny Number	Herds			Dir	Mat	Comb						
			Acc	Index	Acc	Index			Acc	Index	Acc	Index	Acc	Index	Acc	Index	EPI Times Lamed
		Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
1	762 16 0523 79101358	5.09	762 14 0194 762 13 0419				79	95	-1.25 50 86	0.34 50 109	-0.29 95	-1.99 21 83	-4.50 34 82	-3.61 46 82	38.24 57 64	-14.22 37 136	103 5
2	1610 18 0100 82719469	2.35	1590 15 0038 776 15 0039		5	3	107	107	0.72 42 108	-0.12 43 98	0.24 105	0.73 19 100	-0.10 18 103	0.54 37 106	0.08 60 100	-5.62 36 117	4
3	9108 19 0024 97971360	2.92	762 16 0523 1413 17 0418				90	100	-0.96 25 89	0.21 25 106	-0.27 96	-1.24 11 88	-1.40 17 97	-1.59 23 93	24.26 29 69	-9.49 19 128	1
4	762 19 0465 86331691	8.30	762 18 0238 762 17 0714		1	1	81	78	0.61 64 107	-0.18 53 96	0.13 103	1.11 34 103	-6.30 36 74	-3.35 53 83	17.07 54 78	-1.47 39 106	100 5
5	9108 20 0001 95587796	2.92	762 17 0175 1413 17 0420				100	109	-0.69 29 92	0.23 28 107	-0.12 98	-0.45 25 93	-0.20 22 102	-0.58 27 99	0.43 33 99	-3.28 24 111	6
6	9114 21 0008 99836447	2.20	762 19 0465 776 19 0303				94	91	0.38 39 104	-0.35 32 92	-0.16 98	1.05 20 103	-2.00 20 94	-1.17 32 96	9.53 36 88	-2.19 25 108	1
7	1298 21 0426 93283935	1.95	16 4 60 DL 1298 15 0281				113	106	1.42 50 116	-0.03 44 100	0.68 112	2.81 34 114	0.50 20 106	1.69 41 112	1.50 52 98	-3.17 42 111	1
8	9114 22 0003 97522882	4.12	1298 19 0040 1298 19 0028				105	101	0.67 30 107	-0.02 27 100	0.32 106	1.84 19 108	-0.30 15 102	0.47 25 105	6.10 40 92	-1.88 26 107	3
9	9114 22 0004 97522890	4.06	762 17 0488 959 20 0082				94	97	-0.44 41 95	0.38 30 110	0.16 103	0.37 13 98	-2.80 12 90	-1.74 30 92	-6.36 30 108	6.50 20 84	4
10	9176 22 0006 95405098	2.92	762 17 0091 1805 19 0049				94	103	-1.01 26 88	-0.02 25 100	-0.53 91	-1.44 17 86	-0.60 15 101	-1.39 23 95	5.88 30 92	-4.64 20 115	3
11	9108 22 0070 95588588	3.71	762 16 0523 9108 21 0028				88	96	-0.89 27 90	0.05 27 102	-0.40 94	-0.99 12 89	-2.50 18 92	-2.34 25 89	12.70 33 84	-5.08 22 116	4
12	9168 23 0002 97971345	3.85	762 19 0465 1610 19 0168				94	94	0.32 34 103	-0.10 28 98	0.06 101	0.62 17 100	-2.80 19 90	-1.46 28 94	9.02 31 88	-3.19 22 111	7
13	9102 23 0014 99008468	8.11	762 20 0036 959 19 0151				93	97	-0.17 38 98	-0.02 36 100	-0.10 99	0.42 29 98	-2.80 24 90	-1.87 34 92	5.28 35 93	-4.04 25 113	5

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny				Selection Indices		EBV - Weights				EBV - Fertility				
Animal ID Computer nr	% In-breedin g	Sire ID Dam ID	1st Generation	2nd Generation	Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean	Number Weaned	TWW	AFL	ILP	Dam		
			Progeny Number	Progeny Number			Dir	Mat	Comb		EBV	EBV	EBV		EBV	
			y	Herds			Weaned	Herds	EBV Acc		EBV Index	EBV Index	EBV Acc		EBV Acc	EBV Acc
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
14	9140 24 0003 107483588	2.89	9114 23 0009 9179 22 0002			105	106	-0.16 14 98	-0.08 12 99	-0.16 98	0.48 9 99	1.20 5 109	0.48 11 105	1.02 17 99	-1.62 13 106	3
15	9168 25 0003 107781114	3.48	9114 22 0004 1610 19 0168			100	103	-0.21 23 97	0.18 19 105	0.08 102	0.25 8 97	-1.00 8 99	-0.63 18 99	-2.70 22 103	0.80 14 100	7
		Sire Flock Average: Number of sires used in the flock: 15			96	99	-0.11	0.03	-0.02	0.24	-1.71	-1.10	8.14	-3.51		

Ram Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny			Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation	2nd Generation	Logix Merit Index	Repro- duction Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam	
			Progeny Number	Progeny Number			Dir	Mat	Comb							
			Weaned Herds	Weaned Herds												EBV Acc Index
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1	9168 25 0008 111188900	3.56	298 21 0426 610 19 0168		109	107	0.72 27	-0.03 108	0.33 106	1.46 18	0.60 11	1.05 22	1.23 98	-4.04 23	7	
2	9168 26 0008 114313042	3.03	1140 24 0003 610 19 0168		105	108	-0.07 13	-0.05 12	-0.08 99	0.30 7	1.00 5	0.48 11	0.99 99	-3.27 12	7	
3	9168 26 0006 113800254	3.03	1168 25 0003 1103 25 0003		101	101	0.17 18	0.00 14	0.08 102	0.79 7	-0.60 7	-0.19 14	1.57 98	-0.27 11	1	
4	9168 26 0007 113800262	3.03	1168 25 0003 1103 25 0003		101	101	0.17 18	0.00 14	0.08 102	0.79 7	-0.60 7	-0.19 14	1.57 98	-0.27 11	1	
5	9168 25 0004 107781122	3.48	1114 22 0004 610 19 0168		100	103	-0.21 23	0.18 19	0.08 102	0.25 8	-1.00 8	-0.63 18	-2.70 22	0.80 14	7	
6	9168 25 0003 107781114	3.48	1114 22 0004 610 19 0168		100	103	-0.21 23	0.18 19	0.08 102	0.25 8	-1.00 8	-0.63 18	-2.70 22	0.80 14	7	
7	9168 26 0004 113800205	4.69	1114 22 0003 1168 23 0003		99	98	0.49 22	-0.06 20	0.19 104	1.23 13	-1.50 12	-0.47 19	7.82 25	-2.99 19	3	
8	9168 24 0005 107484925	3.24	1168 23 0002 1108 23 0016		98	99	-0.13 19	-0.03 16	-0.09 99	0.12 11	-1.50 11	-1.06 16	-4.54 23	1.46 17	2	
9	9168 25 0002 107484941	3.75	1108 20 0001 1168 23 0003		97	101	-0.19 22	0.07 20	-0.03 100	0.08 15	-1.50 15	-1.02 20	4.99 23	-3.69 18	3	
10	9168 24 0001 107208076	4.12	1108 22 0070 610 19 0168		97	103	-0.43 17	0.01 17	-0.20 97	-0.44 8	-0.90 10	-0.96 15	6.83 23	-5.00 15	7	
11	9168 25 0006 111188876	6.58	1102 23 0014 1168 23 0003		93	96	0.07 25	-0.06 23	-0.02 100	0.52 17	-2.80 15	-1.67 22	7.41 24	-4.07 18	3	
12	9168 25 0007 111188884	6.58	1102 23 0014 1168 23 0003		93	96	0.07 25	-0.06 23	-0.02 100	0.52 17	-2.80 15	-1.67 22	7.41 24	-4.07 18	3	
13	9168 25 0005 107781130	4.41	1176 22 0006 1108 20 0032		92	103	-0.99 18	0.09 18	-0.40 93	-1.34 10	-1.00 11	-1.49 16	12.09 22	-6.60 14	3	
14	9168 24 0003 107208092	4.27	1168 23 0002 1108 20 0032		92	98	-0.32 21	0.05 19	-0.11 99	-0.31 10	-2.10 13	-1.53 18	13.65 22	-5.88 15	3	
15	9108 22 0070 95588588	3.71	762 16 0523 1108 21 0028		88	96	-0.89 27	0.05 27	-0.40 94	-0.99 12	-2.50 18	-2.34 25	12.70 33	-5.08 22	4	

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents	Selection Indices		EBV - Weights				EBV - Fertility							
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	Logix Merit Index	Repro- duction Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	EPI	Times Lambded		
					Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Acc Index	EBV Acc Index							EBV Acc Index	EBV Acc Index
Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15				
1	9168 25 0009 111188918	3.56	1298 21 0426 1610 19 0168	109	107	0.72 27	-0.03 24	0.33 106	1.46 18	105	0.60 11	1.05 22	1.23 98	-4.04 23	113	0
2	1610 19 0168 90097817	2.89	1610 18 0100 1610 15 0113	106	109	0.02 21	-0.02 21	-0.01 100	0.12 10	96	0.80 9	0.48 18	0.97 99	-4.91 20	115	7
3	9168 26 0010 114313356	3.03	9140 24 0003 1610 19 0168	105	108	-0.07 13	-0.05 12	-0.08 99	0.30 7	98	1.00 5	0.48 11	0.99 99	-3.27 12	111	0
4	9168 26 0009 114313380	3.03	9140 24 0003 1610 19 0168	105	108	-0.07 13	-0.05 12	-0.08 99	0.30 7	98	1.00 5	0.48 11	0.99 99	-3.27 12	111	0
5	9103 25 0004 110047008	2.23	9114 21 0008 776 20 0051	102	98	0.55 27	-0.19 21	0.09 102	1.33 12	104	-0.30 12	0.19 21	5.83 24	-1.33 16	106	0
6	9103 25 0003 110046992	2.23	9114 21 0008 776 20 0051	102	98	0.55 27	-0.19 21	0.09 102	1.33 12	104	-0.30 12	0.19 21	5.83 24	-1.33 16	106	1
7	9168 26 0005 113800197	4.69	9114 22 0003 9168 23 0003	99	98	0.49 22	-0.06 20	0.19 104	1.23 13	104	-1.50 12	-0.47 19	7.82 25	-2.99 19	110	0
8	9134 25 0005 110328663	3.20	9114 22 0004 9101 22 0002	96	98	-0.43 22	0.06 17	-0.16 98	0.21 7	97	-1.60 7	-1.33 17	-6.73 20	4.68 12	89	0
9	9103 25 0009 110047081	3.93	9114 21 0008 9103 22 0006	95	93	0.34 26	-0.32 22	-0.15 98	1.02 12	102	-2.10 14	-1.24 22	4.76 23	-1.64 16	106	0
10	9168 23 0003 97971352	3.85	762 19 0465 1610 19 0168	94	94	0.32 34	-0.10 28	0.06 101	0.62 17	100	-2.80 19	-1.46 28	9.54 31	-4.10 26	113	3
11	9168 26 0002 112191069	3.74	9114 21 0008 9103 24 0006	94	94	0.03 22	-0.20 19	-0.18 97	0.46 11	99	-1.90 12	-1.31 19	10.83 21	-3.74 14	112	0
12	9168 26 0003 112191077	3.74	9114 21 0008 9103 24 0006	94	94	0.03 22	-0.20 19	-0.18 97	0.46 11	99	-1.90 12	-1.31 19	10.83 21	-3.74 14	112	0
13	9134 25 0001 109796821	4.37	9114 22 0004 9159 21 0001	93	101	-0.72 27	0.33 23	-0.04 100	-0.16 15	95	-2.50 14	-1.90 22	1.89 25	-0.67 17	104	0
14	9103 24 0006 99804809	3.67	9108 19 0024 9103 22 0006	93	98	-0.33 21	-0.04 19	-0.21 97	-0.12 9	95	-1.80 12	-1.45 18	12.12 21	-5.30 14	117	1
15	9103 25 0007 110047065	3.98	9114 21 0008 9103 23 0004	92	94	0.01 23	-0.16 20	-0.15 98	0.28 12	98	-2.50 12	-1.65 19	9.65 22	-3.50 15	112	0

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					Dir	Mat								
					Acc	Index	Acc	Index	EBV Index	EBV Index	EBV Index	EBV Index	Acc	Index
Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
16 9108 20 0032 95587804	2.92	762 16 0523 1432 17 0247	91	102	-0.96 25 89	0.21 25 106	-0.27 96	-1.24 11 88	-1.40 17 97	-1.59 23 93	18.29 32 77	-8.56 20 125		3