



BOERBOK GENETIC REPORT

21 September 2026



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FDM : 313



**CERTIFICATE
OF QUALITY**

Valid up to
October 2029

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 :

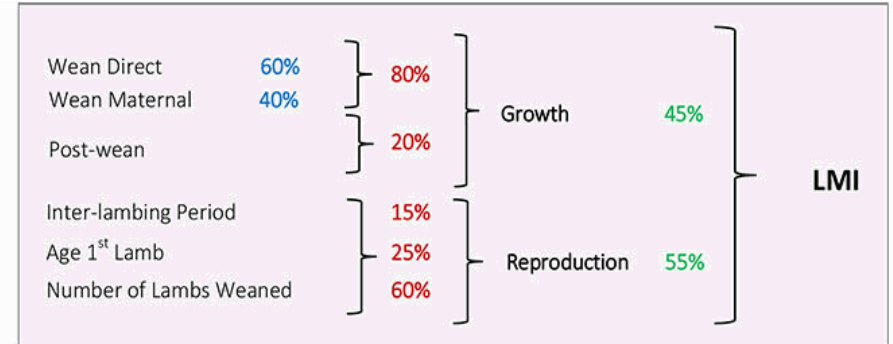
Logix Merit Index (LMI)

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	-0.07	0.32	-0.30	-0.06	-0.01	-0.09
Weaning Weight Maternal	-0.09	-0.05	-0.11	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.12	0.12	-0.26	-0.06	-0.03	-0.07
Post-wean Weight	0.54	1.00	0.27	0.50	0.58	0.45
Number Lambs Weaned	0.03	-0.40	0.30	-0.36	-0.55	-0.26
Total Weight Weaned	-0.13	0.04	-0.23	-0.31	-0.37	-0.27
Age at First Lambing	-2.09	-1.53	-2.42	-0.30	-0.22	-0.35
Inter-lambing Period	1.85	1.10	2.30	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	101	103	101	101	100	101
Reproduction Index	101	101	101	102	101	102
Inbreeding						
Inbreeding (%)	5.68	4.36	6.47	5.54	5.93	5.34
Number of Animals						
Number of Animals	32	12	20	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	99.0	103.3	96.4
Weaning Weight Maternal	98.6	99.7	97.9
Weaning Weight Comb	98.2	102.3	95.8
Post-wean Weight	99.2	102.2	97.4
Number Lambs Weaned	103.6	101.5	104.8
Total Weight Weaned	101.8	102.8	101.2
Age First Lambing	102.4	101.7	102.8
Interlambing Period	96.8	98.8	95.5
Selection Indices			
Logix Merit Index	101.4	102.9	100.6
Ewe Index	100.9	100.9	100.9
Growth Index	98.8	102.6	96.6
Inbreeding			
Inbreeding (%)	5.68	4.36	6.47
Number of Animals			
Number of Animals	32	12	20

** 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

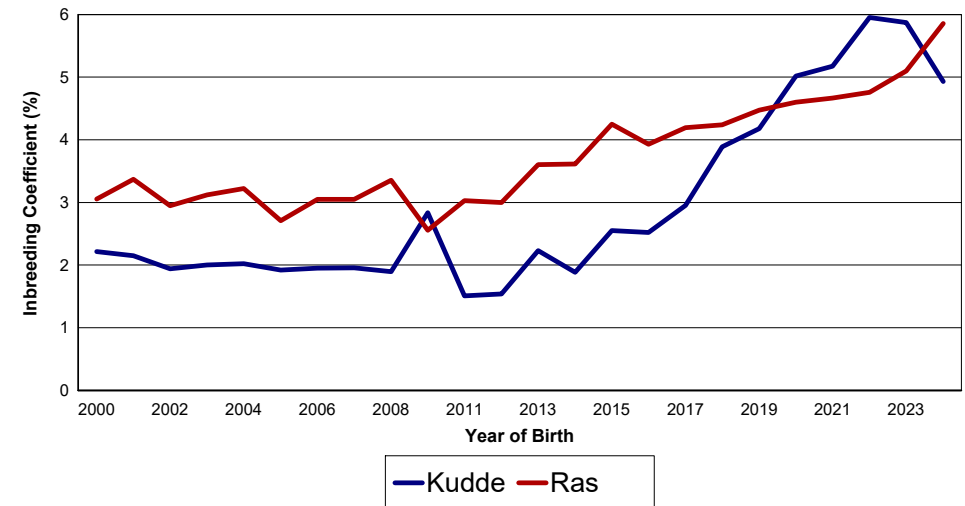
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2000 - 2025	4.93	0.11
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

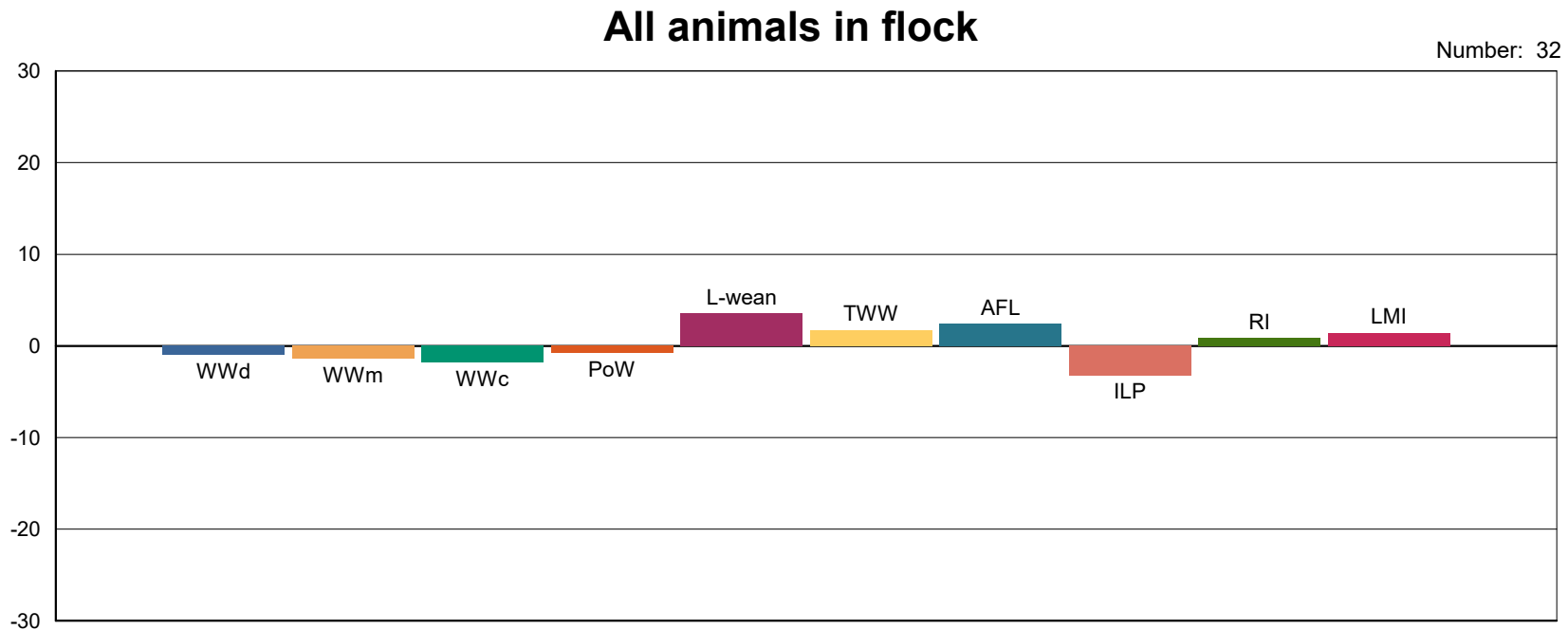


Pedigree Information

	Number	%
Known Sires	32	100
Known Dams	32	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

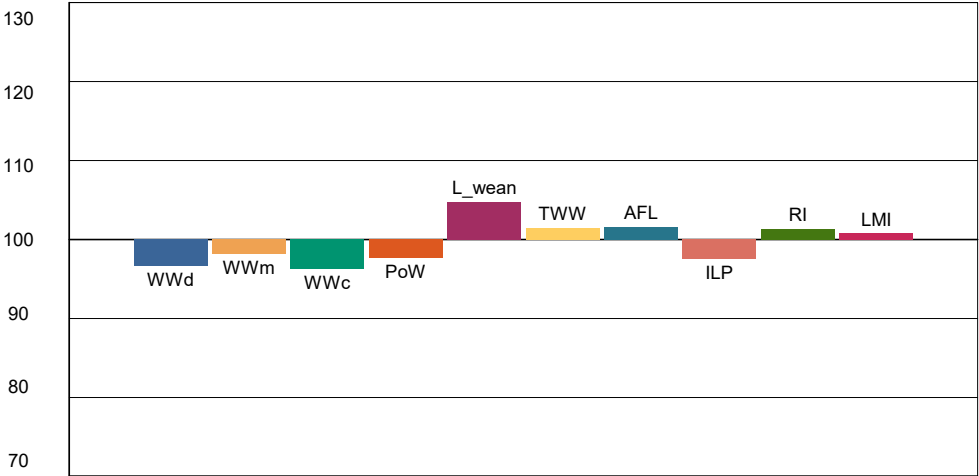
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger 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

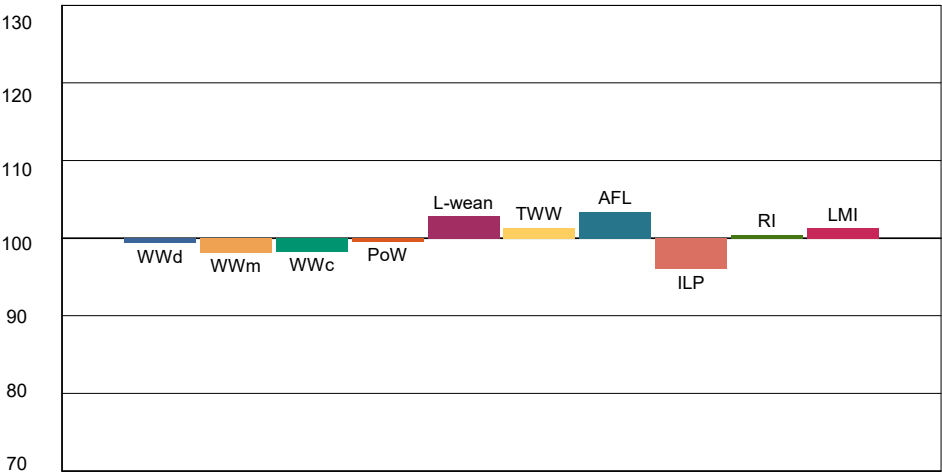
Dams

Number: 18



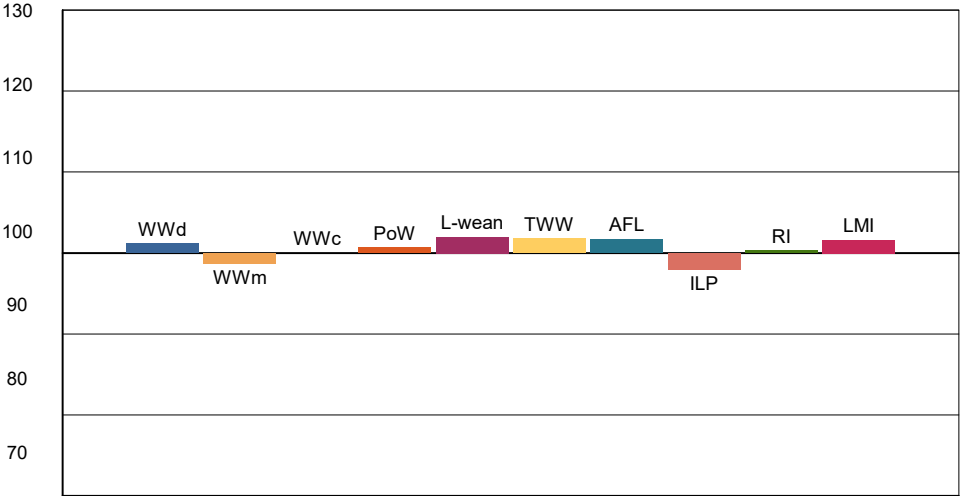
Sires

Number: 11



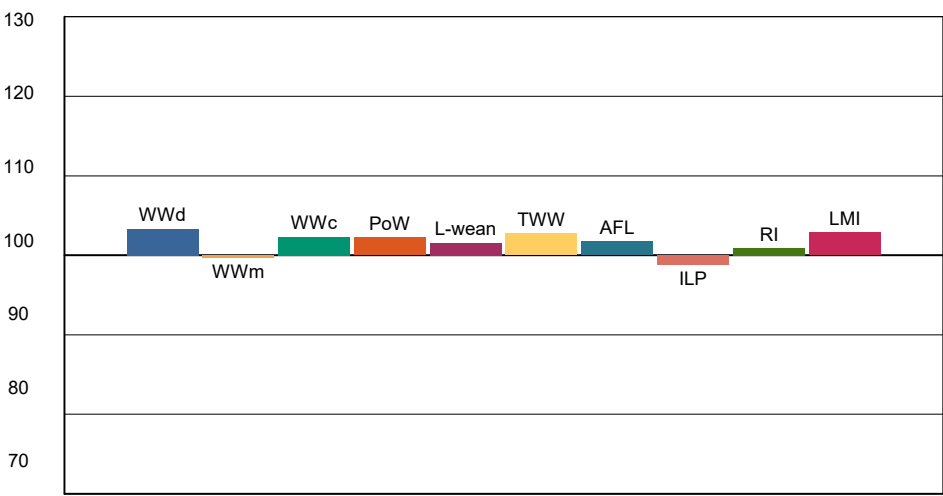
Young Ewes

Number: 4



Young Rams

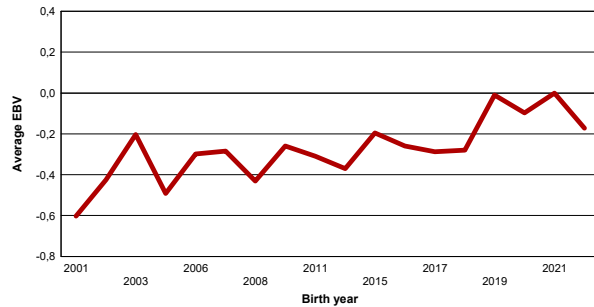
Number: 12



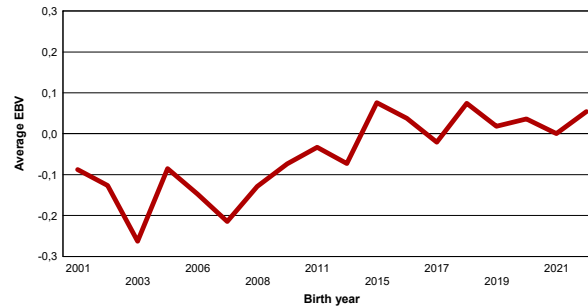
Genetic Trends

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

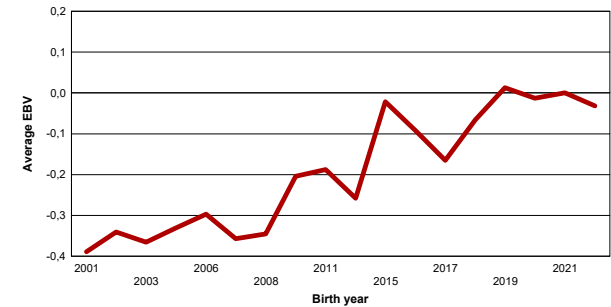
Weaning Weight Direct



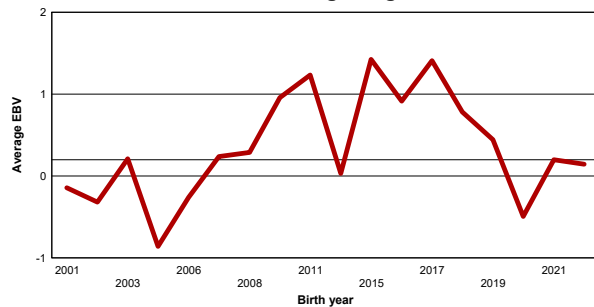
Wean Weight Maternal



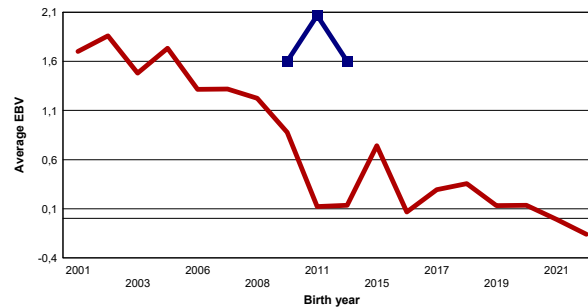
Weaning Weight Combined



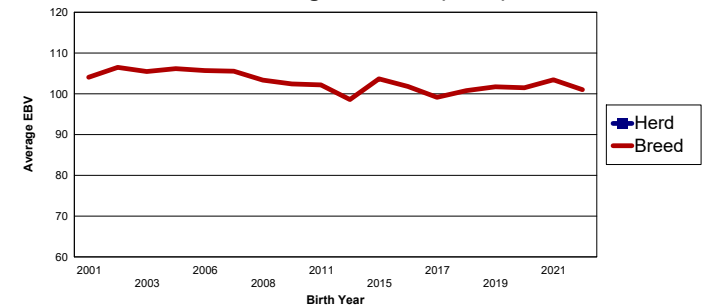
Post-weaning Weight



Number of Lambs Weaned

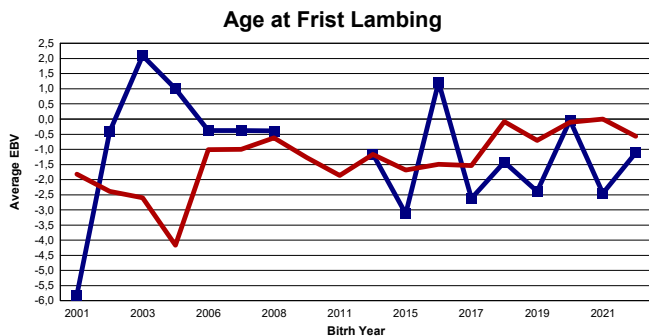


Total Weight Weaned (TWW)

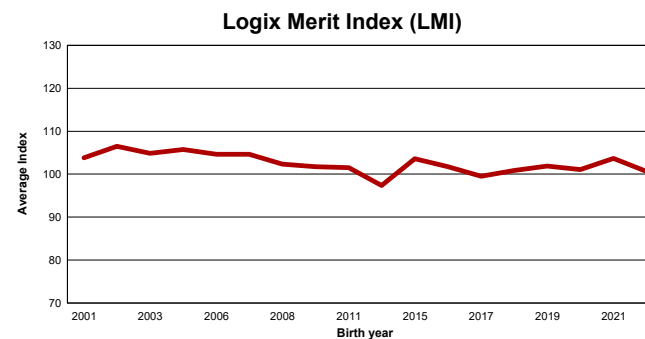
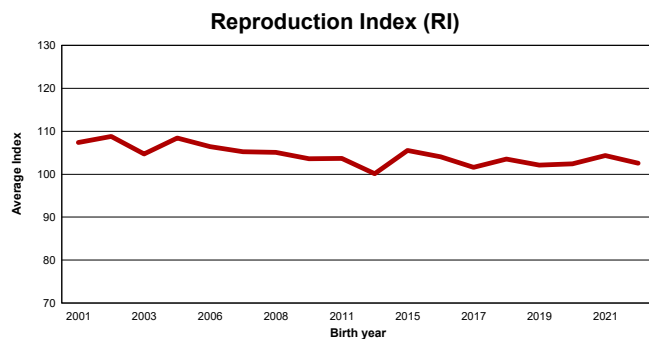
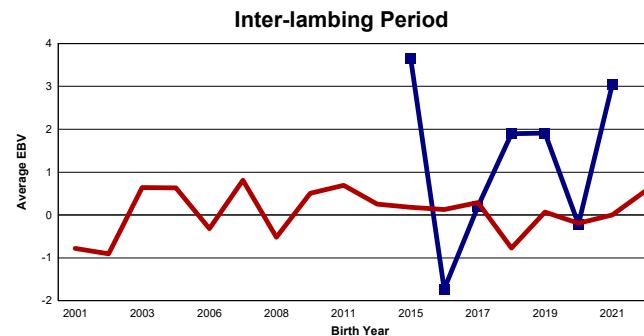


Genetic Trends

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	101

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	Number	EB	
2014							2 1.60				1 -1.16							
2015											3 -3.12						2 3.65	
2016											2 1.22						1 -1.73	
2017											5 -2.62						3 0.20	
2018											9 -1.42						5 1.90	
2019											16 -2.39						7 1.91	
2020											1 -0.04						1 -0.21	
2021											2 -2.45						1 3.04	
2023											1 -1.12							

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
Active Breed Average:							100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
313	20	0083	313	18	0036	2.64	102	103	-0.36	-0.06	-0.24	0.20	0.50	-0.12	-4.77	2.57						
	96118179		313	17	0155				18	96	17	99	6	106	15	102	30	106	15	95	3	
762	21	0370	430	18	0031	3.02	108	101	1.70	0.08	0.93	2.66	-1.80	0.70	1.02	-1.98						
	93655488		762	19	0804				46	119	41	103	21	95	38	107	44	99	31	107	104	3
313	23	0066	313	20	0048	5.29	102	103	-0.25	-0.03	-0.15	0.35	0.50	0.02	-2.87	2.50						
	114352115		313	18	0030				15	97	14	100	7	106	13	103	28	103	15	95	3	
313	25	0005	762	21	0370	2.91	103	101	0.52	-0.07	0.19	1.24	-0.60	0.09	1.49	-0.99						
	114354616		313	19	0153				24	106	21	99	11	101	20	103	27	98	18	105	4	
313	25	0006	762	21	0370	2.91	103	101	0.52	-0.07	0.19	1.24	-0.60	0.09	1.49	-0.99						
	114354632		313	19	0153				24	106	21	99	11	101	20	103	27	98	18	105	4	
313	25	0018	762	21	0370	3.19	104	100	0.65	-0.02	0.30	1.40	-0.80	0.15	-0.74	0.53						
	114747553		313	21	0083				24	107	22	100	12	100	20	103	26	101	17	100	2	
313	25	0032	762	21	0370	3.39	104	100	0.76	-0.02	0.37	1.55	-1.00	0.15	-2.43	1.75						
	114747561		313	19	0162				25	108	23	100	12	99	21	103	32	103	19	97	3	
313	25	0033	762	21	0370	3.39	104	100	0.76	-0.02	0.37	1.55	-1.00	0.15	-2.43	1.75						
	114747637		313	19	0162				25	108	23	100	12	99	21	103	32	103	19	97	3	
313	25	0067	762	21	0370	3.53	100	96	0.56	-0.20	0.08	1.35	-1.30	-0.42	0.19	0.49						
	114747546		313	18	0213				26	106	23	96	12	97	21	100	34	100	21	101	3	
313	25	0077	313	23	0066	6.13	102	102	-0.30	-0.02	-0.17	0.16	0.40	-0.08	-3.66	2.88						
	114742349		313	19	0213				13	96	13	100	7	105	12	102	27	104	14	94	3	
313	25	0079	313	23	0066	6.13	102	102	-0.30	-0.02	-0.17	0.16	0.40	-0.08	-3.66	2.88						
	114742521		313	19	0213				13	96	13	100	7	105	12	102	27	104	14	94	3	
313	25	0091	313	23	0066	9.83	101	102	-0.38	-0.09	-0.28	0.18	0.50	-0.16	-1.99	1.78						
	114740384		313	23	0084				9	95	9	99	5	106	8	102	17	102	9	97	1	
Ram Flock Average:							103	101	0.32	-0.05	0.12	1.00	-0.40	0.04	-1.53	1.10						
Number of rams in the flock: 12																						

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											
							EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	Phenotype	
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
313 18 0213 96117916	106 15 0050 313 15 0016	9.20	92	91	-0.58 23 93	-0.49 22 89	-0.78 87	0.05 9 96	-0.90 8 99	-1.61 19 93	-0.64 53 101	2.96 30 94	3							
313 19 0153 96122460	313 17 0089 313 16 0153	14.71	98	101	-0.66 12 92	-0.23 12 95	-0.56 91	-0.19 5 94	0.70 5 107	-0.47 10 100	1.97 32 97	0.00 18 102	4							
313 19 0162 96117882	313 17 0001 313 17 0084	3.88	100	98	-0.17 20 98	-0.12 20 98	-0.20 97	0.45 11 99	-0.10 9 103	-0.35 17 101	-5.87 47 107	5.48 24 87	3							
313 19 0213 96118088	313 17 0040 313 15 0054	5.02	101	102	-0.35 23 96	-0.02 23 100	-0.19 97	-0.03 13 96	0.30 12 105	-0.19 20 101	-4.46 46 105	3.26 24 93	3							
313 21 0044 96122130	313 20 0001 313 20 0088	6.86	103	104	-0.33 11 96	-0.04 11 100	-0.20 97	0.25 5 97	0.70 5 107	0.05 9 103	-2.12 19 103	0.96 13 99	0							
313 21 0083 96127444	313 20 0002 313 18 0101	5.26	100	100	-0.40 15 95	-0.13 15 98	-0.33 95	0.15 7 97	0.30 6 105	-0.35 13 101	-2.50 29 103	3.04 16 94	2							
313 21 0100 96122296	313 20 0001 313 19 0151	6.22	102	103	-0.39 11 95	-0.05 10 100	-0.24 96	0.18 5 97	0.90 5 108	0.11 9 103	-3.53 26 104	2.85 13 94	0							
313 22 0077 114521685	313 20 0048 313 19 0101	2.68	103	104	-0.36 12 96	-0.04 11 100	-0.22 97	0.21 6 97	0.80 5 107	0.08 10 103	-2.63 26 103	1.48 11 98	0							
313 23 0022 114352123	313 20 0048 313 19 0162	7.12	98	97	-0.36 14 96	-0.18 13 96	-0.36 94	0.19 7 97	-0.10 5 103	-0.60 12 99	-4.77 28 106	4.97 14 88	0							
313 23 0030 114354426	313 20 0048 313 21 0083	14.28	98	98	-0.47 12 94	-0.19 12 96	-0.43 93	0.04 5 96	0.10 5 104	-0.60 10 99	-3.09 21 104	3.75 11 92	0							
313 23 0063 114354434	313 20 0002 313 19 0146	6.12	103	104	-0.39 11 95	-0.05 10 100	-0.24 96	0.18 5 97	0.90 5 108	0.11 9 103	-2.40 18 103	1.24 10 98	0							
313 23 0067 114354517	313 20 0048 313 18 0030	5.29	102	103	-0.25 15 97	-0.03 14 100	-0.15 98	0.35 8 98	0.50 7 106	0.02 13 103	-2.87 28 103	2.50 15 95	0							
313 23 0078 114354418	313 20 0002 313 19 0151	6.22	102	103	-0.39 11 95	-0.05 10 100	-0.24 96	0.18 5 97	0.90 5 108	0.11 9 103	-3.53 26 104	2.85 13 94	0							
313 23 0079 114354525	313 20 0002 313 19 0151	6.22	102	103	-0.39 11 95	-0.05 10 100	-0.24 96	0.18 5 97	0.90 5 108	0.11 9 103	-3.53 26 104	2.85 13 94	0							
313 23 0083 114352107	313 20 0002 313 19 0153	3.78	100	102	-0.51 11 94	-0.15 10 97	-0.40 93	0.01 5 96	0.60 5 106	-0.29 9 101	-1.12 20 101	1.06 11 99	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 Lambd
							EBV	Mat	EBV	EBV		EBV	EBV		EBV	EBV	EBV	EBV			
							Acc	Index	Acc	Index	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							
313 23 0084 114354509	313 20 0002 313 19 0153	3.78	100	102	-0.51 11	94	-0.15 10	97	-0.40 93	0.01 5	96	0.60 5	-0.29 9	-1.12 20	1.06 11	99	1				
313 25 0019 114747629	762 21 0370 313 21 0083	3.19	104	100	0.65 24	107	-0.02 22	100	0.30 106	1.40 12	105	-0.80 11	0.15 20	-0.74 26	0.53 17	100	0				
313 25 0068 114747611	762 21 0370 313 18 0213	3.53	100	96	0.56 26	106	-0.20 23	96	0.08 102	1.35 12	105	-1.30 11	-0.42 21	0.19 34	0.49 21	101	0				
313 25 0078 114742539	313 23 0066 313 19 0213	6.13	102	102	-0.30 13	96	-0.02 13	100	-0.17 97	0.16 7	97	0.40 7	-0.08 12	-3.66 27	2.88 14	94	0				
313 25 0092 114740442	313 23 0066 313 23 0084	9.83	101	102	-0.38 9	95	-0.09 9	99	-0.28 96	0.18 5	97	0.50 5	-0.16 8	-1.99 17	1.78 9	97	0				
	Ewe flock average: Total ewes in flock: 20				101	101	-0.30	-0.11	-0.26	0.27	0.30	-0.23	-2.42	2.30							

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							
			y	Herds	Weaned	Herds			EBV Acc Index	EBV Acc Index	EBV Index	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	
1 106 15 0050 79065942	2.89	106 13 0046				92	90	-0.64 35 93	-0.54 35 87	-0.86 86	0.12 12 96	-0.30 9 102	-1.36 29 95	1.98 73 97	3.65 43 92	1
2 313 17 0001 96116249	2.04	430 15 0030 313 12 0032				107	107	0.04 22 100	0.20 22 106	0.22 104	0.77 14 101	1.00 12 108	0.84 20 107	-3.84 43 105	2.49 23 95	2
3 313 17 0040 96118070	2.89	762 15 0121 313 15 0089				101	103	-0.47 30 95	-0.17 29 96	-0.41 93	-0.11 17 95	0.30 12 105	-0.46 25 100	-4.39 53 105	0.19 28 101	1
4 313 17 0089 96117767	2.57	106 15 0050 313 14 0356				98	99	-0.66 18 92	-0.23 17 95	-0.56 91	-0.19 6 94	0.70 5 107	-0.47 14 100	0.01 47 100	2.49 24 95	1
5 430 18 0031 82909938	1.93	16 4 60 DL 430 13 0032			8 1	110	103	1.77 63 120	0.20 60 106	1.09 119	2.86 32 114	-2.00 24 94	0.78 53 107	-4.50 68 106	-0.73 48 104	1
6 313 18 0036 96117676	2.22	106 16 0016 313 15 0119				95	95	-0.53 33 94	-0.29 31 94	-0.56 91	-0.09 10 95	-0.60 9 101	-1.18 27 96	-6.94 39 109	5.78 23 86	1
7 313 20 0001 96117809	2.50	313 18 0036 313 19 0140				102	103	-0.36 18 96	-0.06 17 99	-0.24 96	0.20 7 97	0.50 6 106	-0.12 15 102	-4.20 24 105	2.12 13 96	1
8 313 20 0002 96117684	2.50	313 18 0036 313 19 0140				102	103	-0.36 18 96	-0.06 17 99	-0.24 96	0.20 7 97	0.50 6 106	-0.12 15 102	-4.20 24 105	2.12 13 96	1
9 313 20 0048 96118138	6.59	313 18 0036 313 18 0234				97	97	-0.54 19 94	-0.25 18 94	-0.52 91	-0.07 6 95	-0.10 6 103	-0.85 16 98	-3.67 31 104	4.46 16 90	2
10 762 21 0370 93655488	3.02	430 18 0031 762 19 0804				108	101	1.70 46 119	0.08 41 103	0.93 116	2.66 22 113	-1.80 21 95	0.70 38 107	1.02 44 99	-1.98 31 107	104 3
11 313 23 0066 114352115	5.29	313 20 0048 313 18 0030				102	103	-0.25 15 97	-0.03 14 100	-0.15 98	0.35 8 98	0.50 7 106	0.02 13 103	-2.87 28 103	2.50 15 95	3
		Sire Flock Average: Number of sires used in the flock: 11				101	100	-0.03	-0.10	-0.12	0.61	-0.12	-0.20	-2.87	2.10	

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		Comb	Post-Wean	Number Weaned	TWW	AFL	ILP	Dam
			Progeny Number	Progeny Number			Dir	Mat							
			Weaned	Herds			Weaned	Herds	EBV Acc Index	EBV Acc Index	EBV Index	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	762 21 0370 93655488	3.02	430 18 0031 762 19 0804		108	101	1.70 46 119	0.08 41 103	0.93 116	2.66 22 113	-1.80 21 95	0.70 38 107	1.02 44 99	-1.98 31 107	104 3
2	313 25 0033 114747637	3.39	762 21 0370 313 19 0162		104	100	0.76 25 108	-0.02 23 100	0.37 107	1.55 12 106	-1.00 12 99	0.15 21 103	-2.43 32 103	1.75 19 97	3
3	313 25 0032 114747561	3.39	762 21 0370 313 19 0162		104	100	0.76 25 108	-0.02 23 100	0.37 107	1.55 12 106	-1.00 12 99	0.15 21 103	-2.43 32 103	1.75 19 97	3
4	313 25 0018 114747553	3.19	762 21 0370 313 21 0083		104	100	0.65 24 107	-0.02 22 100	0.30 106	1.40 12 105	-0.80 11 100	0.15 20 103	-0.74 26 101	0.53 17 100	2
5	313 25 0005 114354616	2.91	762 21 0370 313 19 0153		103	101	0.52 24 106	-0.07 21 99	0.19 104	1.24 11 104	-0.60 11 101	0.09 20 103	1.49 27 98	-0.99 18 105	4
6	313 25 0006 114354632	2.91	762 21 0370 313 19 0153		103	101	0.52 24 106	-0.07 21 99	0.19 104	1.24 11 104	-0.60 11 101	0.09 20 103	1.49 27 98	-0.99 18 105	4
7	313 23 0066 114352115	5.29	313 20 0048 313 18 0030		102	103	-0.25 15 97	-0.03 14 100	-0.15 98	0.35 8 98	0.50 7 106	0.02 13 103	-2.87 28 103	2.50 15 95	3
8	313 20 0083 96118179	2.64	313 18 0036 313 17 0155		102	103	-0.36 18 96	-0.06 17 99	-0.24 96	0.20 7 97	0.50 6 106	-0.12 15 102	-4.77 30 106	2.57 15 95	3
9	313 25 0079 114742521	6.13	313 23 0066 313 19 0213		102	102	-0.30 13 96	-0.02 13 100	-0.17 97	0.16 7 97	0.40 7 105	-0.08 12 102	-3.66 27 104	2.88 14 94	3
10	313 25 0077 114742349	6.13	313 23 0066 313 19 0213		102	102	-0.30 13 96	-0.02 13 100	-0.17 97	0.16 7 97	0.40 7 105	-0.08 12 102	-3.66 27 104	2.88 14 94	3
11	313 25 0091 114740384	9.83	313 23 0066 313 23 0084		101	102	-0.38 9 95	-0.09 9 99	-0.28 96	0.18 5 97	0.50 5 106	-0.16 8 102	-1.99 17 102	1.78 9 97	1
12	313 25 0067 114747546	3.53	762 21 0370 313 18 0213		100	96	0.56 26 106	-0.20 23 96	0.08 102	1.35 12 105	-1.30 11 97	-0.42 21 100	0.19 34 100	0.49 21 101	3

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	Mat		Comb		Acc	EBV	Acc	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					
1	313 25 0019 114747629	3.19	762 21 0370 313 21 0083	104	100	0.65 24	-0.02 107		0.30 106	1.40 12 105		-0.80 11	0.15 20 103		-0.74 26 101	0.53 17 100		0				
2	313 23 0063 114354434	6.12	313 20 0002 313 19 0146	103	104	-0.39 11	-0.05 95 100		-0.24 96	0.18 5 97		0.90 5	0.11 9 103		-2.40 18 103	1.24 10 98		0				
3	313 21 0044 96122130	6.86	313 20 0001 313 20 0088	103	104	-0.33 11	-0.04 96 100		-0.20 97	0.25 5 97		0.70 5	0.05 9 103		-2.12 19 103	0.96 13 99		0				
4	313 22 0077 114521685	2.68	313 20 0048 313 19 0101	103	104	-0.36 12	-0.04 96 100		-0.22 97	0.21 6 97		0.80 5	0.08 10 103		-2.63 26 103	1.48 11 98		0				
5	313 21 0100 96122296	6.22	313 20 0001 313 19 0151	102	103	-0.39 11	-0.05 95 100		-0.24 96	0.18 5 97		0.90 5	0.11 9 103		-3.53 26 104	2.85 13 94		0				
6	313 23 0078 114354418	6.22	313 20 0002 313 19 0151	102	103	-0.39 11	-0.05 95 100		-0.24 96	0.18 5 97		0.90 5	0.11 9 103		-3.53 26 104	2.85 13 94		0				
7	313 23 0079 114354525	6.22	313 20 0002 313 19 0151	102	103	-0.39 11	-0.05 95 100		-0.24 96	0.18 5 97		0.90 5	0.11 9 103		-3.53 26 104	2.85 13 94		0				
8	313 23 0067 114354517	5.29	313 20 0048 313 18 0030	102	103	-0.25 15	-0.03 97 100		-0.15 98	0.35 8 98		0.50 7	0.02 13 103		-2.87 28 103	2.50 15 95		0				
9	313 25 0078 114742539	6.13	313 23 0066 313 19 0213	102	102	-0.30 13	-0.02 96 100		-0.17 97	0.16 7 97		0.40 7	-0.08 12 102		-3.66 27 104	2.88 14 94		0				
10	313 25 0092 114740442	9.83	313 23 0066 313 23 0084	101	102	-0.38 9	-0.09 95 99		-0.28 96	0.18 5 97		0.50 5	-0.16 8 102		-1.99 17 102	1.78 9 97		0				
11	313 19 0213 96118088	5.02	313 17 0040 313 15 0054	101	102	-0.35 23	-0.02 96 100		-0.19 97	-0.03 13 96		0.30 12	-0.19 20 101		-4.46 46 105	3.26 24 93		3				
12	313 25 0068 114747611	3.53	762 21 0370 313 18 0213	100	96	0.56 26	-0.20 106 96		0.08 102	1.35 12 105		-1.30 11	-0.42 21 100		0.19 34 100	0.49 21 101		0				
13	313 23 0083 114352107	3.78	313 20 0002 313 19 0153	100	102	-0.51 11	-0.15 94 97		-0.40 93	0.01 5 96		0.60 5	-0.29 9 101		-1.12 20 101	1.06 11 99		0				
14	313 23 0084 114354509	3.78	313 20 0002 313 19 0153	100	102	-0.51 11	-0.15 94 97		-0.40 93	0.01 5 96		0.60 5	-0.29 9 101		-1.12 20 101	1.06 11 99		1				
15	313 19 0162 96117882	3.88	313 17 0001 313 17 0084	100	98	-0.17 20	-0.12 98 98		-0.20 97	0.45 11 99		-0.10 9	-0.35 17 101		-5.87 47 107	5.48 24 87		3				

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	Reproduction Index	Weaning Weight			Post-Wean	Number Weaned	TWW		AFL		ILP	EPI	Times Lambd	
					Dir	Mat	Comb										
					EBV	EBV	EBV	EBV		EBV	EBV	EBV	EBV	EBV	EBV	EBV	Phenotype
Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15					
16	313 21 0083 96127444	5.26	313 20 0002 313 18 0101	100	100	-0.40	-0.13	-0.33	0.15	0.30	-0.35	-2.50	3.04			2	
						15 95	15 98	95	7 97	6 105	13 101	29 103	16 94				
17	313 19 0153 96122460	14.71	313 17 0089 313 16 0153	98	101	-0.66	-0.23	-0.56	-0.19	0.70	-0.47	1.97	0.00			4	
						12 92	12 95	91	5 94	5 107	10 100	32 97	18 102				
18	313 23 0022 114352123	7.12	313 20 0048 313 19 0162	98	97	-0.36	-0.18	-0.36	0.19	-0.10	-0.60	-4.77	4.97			0	
						14 96	13 96	94	7 97	5 103	12 99	28 106	14 88				
19	313 23 0030 114354426	14.28	313 20 0048 313 21 0083	98	98	-0.47	-0.19	-0.43	0.04	0.10	-0.60	-3.09	3.75			0	
						12 94	12 96	93	5 96	5 104	10 99	21 104	11 92				
20	313 18 0213 96117916	9.20	106 15 0050 313 15 0016	92	91	-0.58	-0.49	-0.78	0.05	-0.90	-1.61	-0.64	2.96			3	
						23 93	22 89	87	9 96	8 99	19 93	53 101	30 94				