



BOERBOK GENETIC REPORT

21 September 2026



JADHAV SHELI FARM

FDM : 9135



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 :

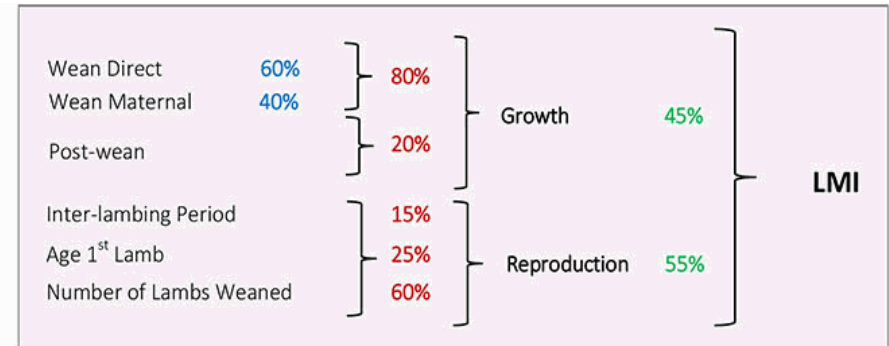
Logix Merit Index (LMI)

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	-0.48	-0.46	-0.49	-0.06	-0.01	-0.09
Weaning Weight Maternal	0.09	0.07	0.12	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.15	-0.16	-0.13	-0.06	-0.03	-0.07
Post-wean Weight	-0.42	-0.41	-0.44	0.50	0.58	0.45
Number Lambs Weaned	-0.58	-0.54	-0.63	-0.36	-0.55	-0.26
Total Weight Weaned	-0.73	-0.71	-0.76	-0.31	-0.37	-0.27
Age at First Lambing	2.68	2.67	2.70	-0.30	-0.22	-0.35
Inter-lambing Period	-2.06	-2.10	-2.01	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	98	98	98	101	100	101
Reproduction Index	103	103	104	102	101	102
Inbreeding						
Inbreeding (%)	3.99	4.10	3.85	5.54	5.93	5.34
Number of Animals						
Number of Animals	39	22	17	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	94.4	94.5	94.2
Weaning Weight Maternal	103.1	102.6	103.7
Weaning Weight Comb	97.8	97.6	98.1
Post-wean Weight	92.9	93.0	92.8
Number Lambs Weaned	100.7	100.8	100.4
Total Weight Weaned	98.3	98.4	98.1
Age First Lambing	96.4	96.4	96.3
Interlambing Period	107.5	107.7	107.4
Selection Indices			
Logix Merit Index	98.0	98.1	97.9
Ewe Index	103.4	103.4	103.5
Growth Index	93.5	93.6	93.4
Inbreeding			
Inbreeding (%)	3.99	4.10	3.85
Number of Animals			
Number of Animals	39	22	17

** 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

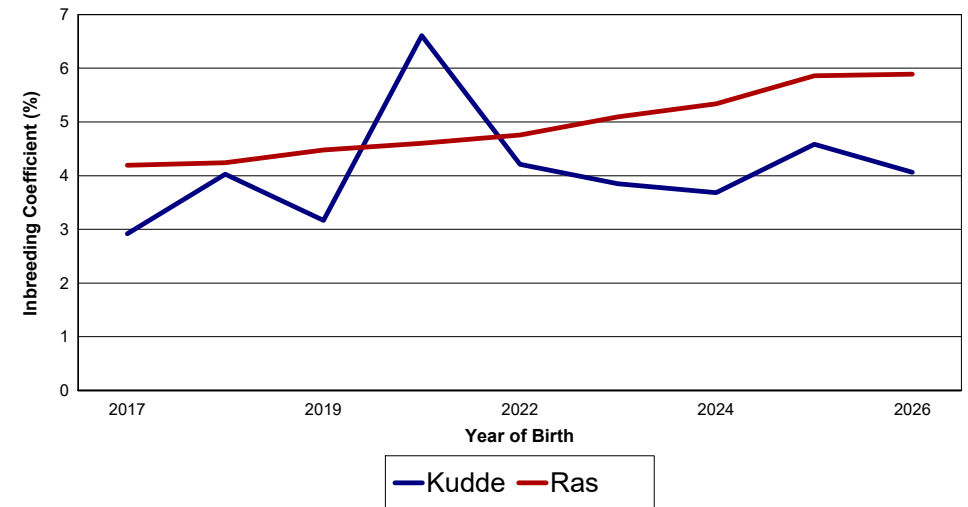
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2017 - 2026	4.06	0.13
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

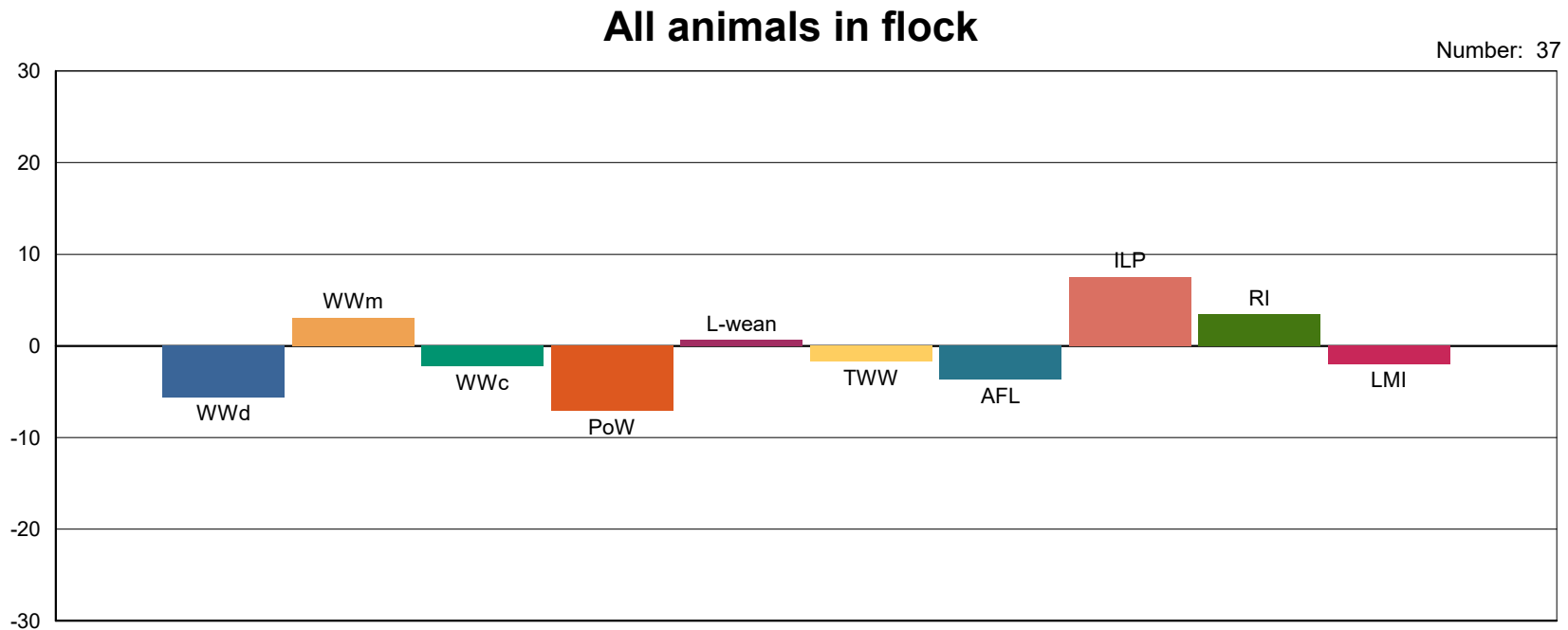


Pedigree Information

	Number	%
Known Sires	37	95
Known Dams	37	95

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

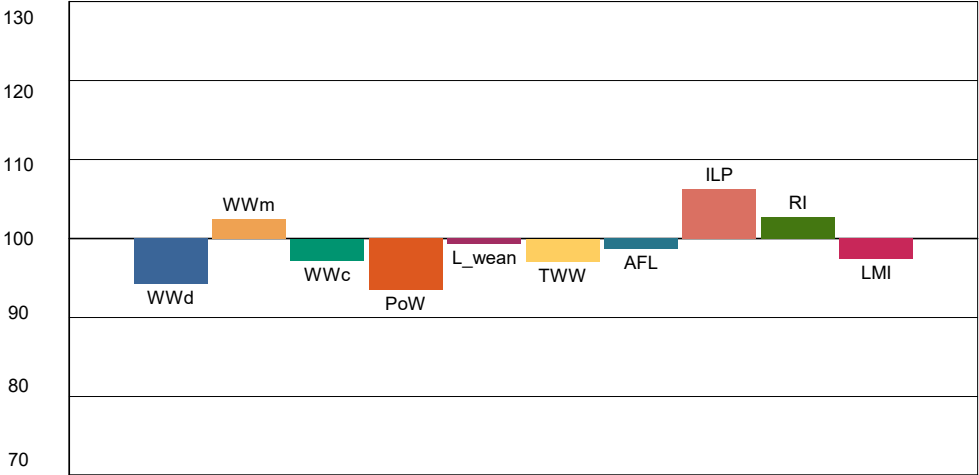
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

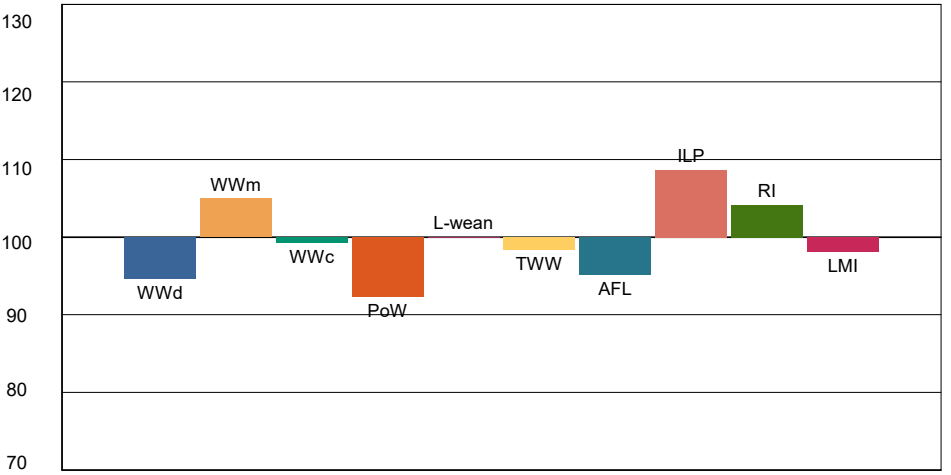
Dams

Number: 12



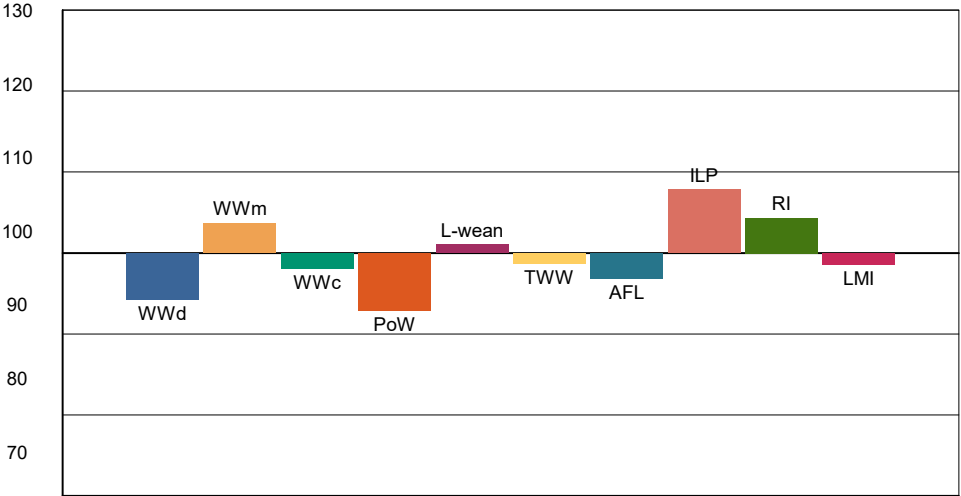
Sires

Number: 12



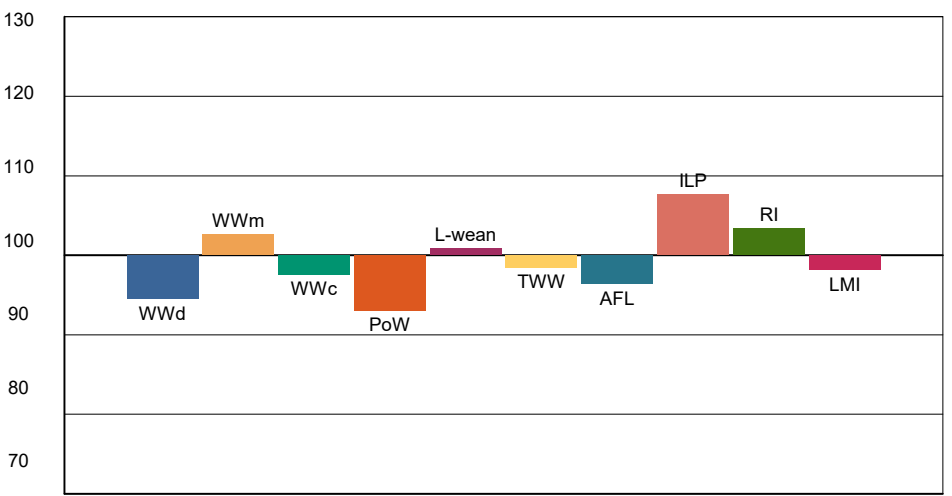
Young Ewes

Number: 8



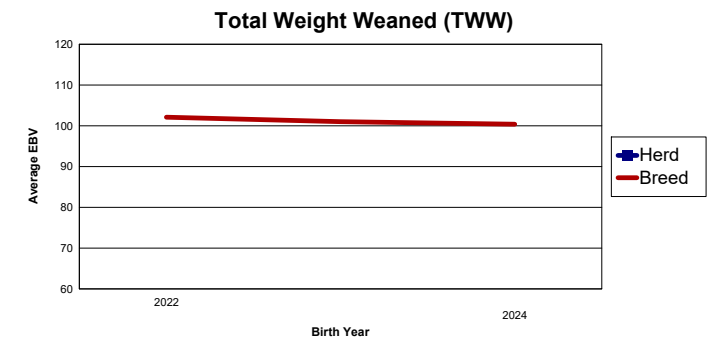
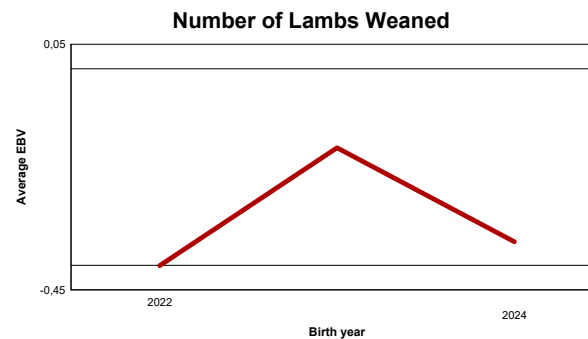
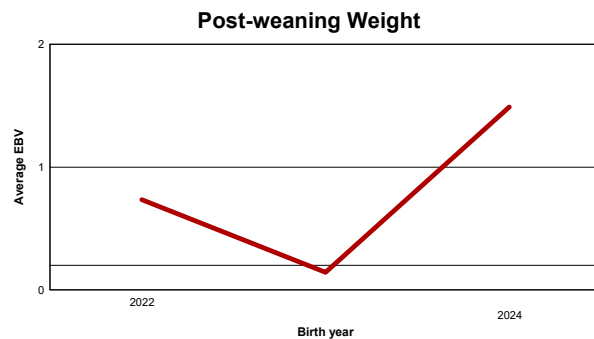
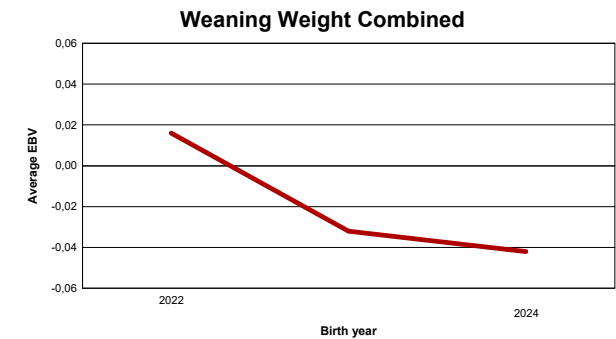
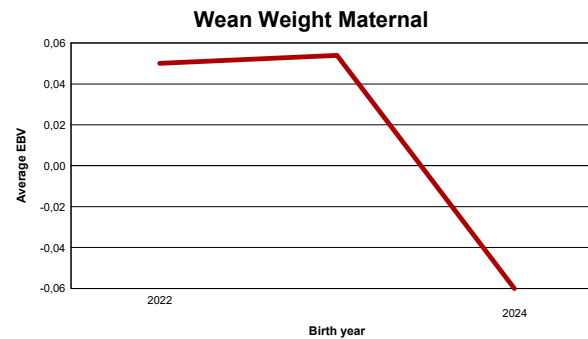
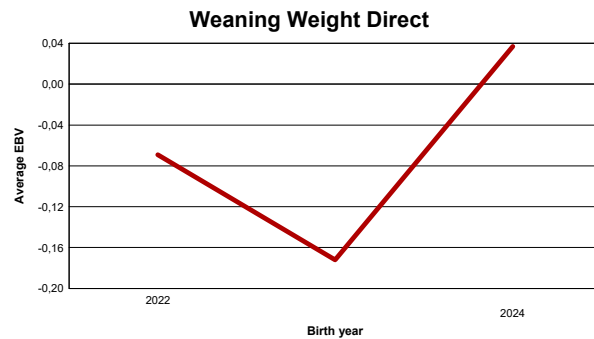
Young Rams

Number: 22



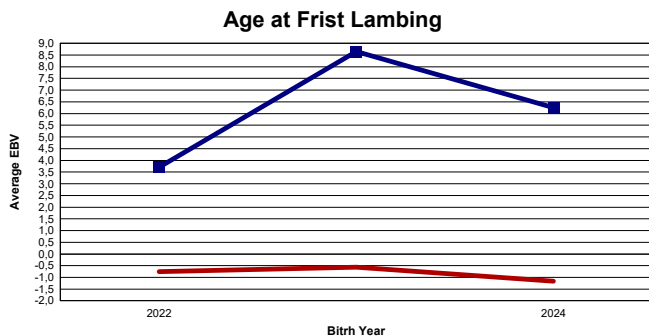
Genetic Trends

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

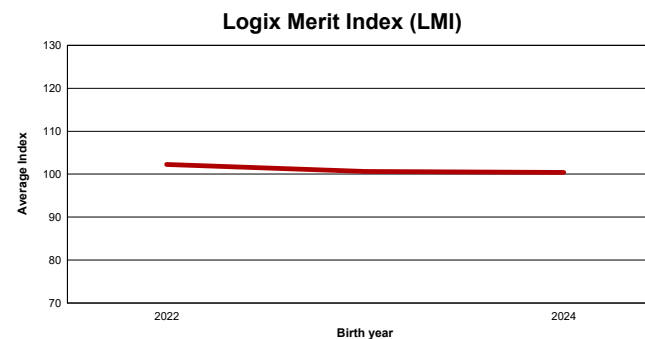
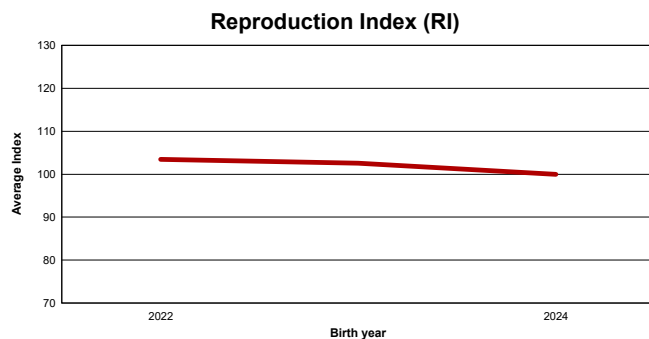
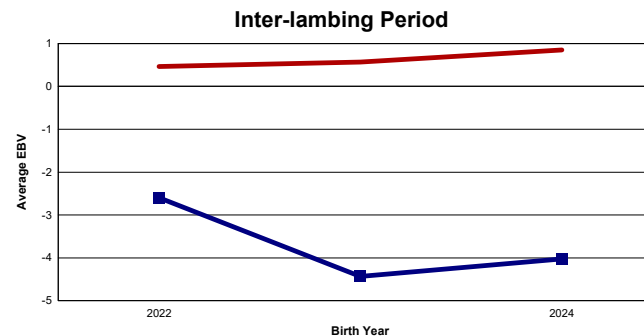


Genetic Trends

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

Genetic Trends of Flock

Birth year	Weaning Weight EBV				Post-Wean	Lambs Weaned		TWW	AFL		ILP	RI		LMI
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV
2022									2	3.71	2	-2.60		
2023									4	8.65	4	-4.43		
2024									1	6.26	1	-4.03		

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	EPI	Times Lamb
Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15									
9110	22	0001	959	17	0020	5.64	97	107	-0.45	0.47	0.24	-0.87	-2.40	-1.42	-2.42	-3.09			7					
	96642996		9108	19	0023				29	95	28	113	105	21	90	19	92	26	94	32	103	22	110	
9135	22	0030	9108	20	0014	2.47	94	103	-0.74	0.05	-0.32	-0.85	-1.00	-1.29	10.30	-6.62			2					
	96978986		776	18	0157				24	91	23	102	95	12	90	13	99	21	95	28	87	19	120	
9135	23	0007	9108	20	0014	4.75	92	101	-0.78	0.25	-0.14	-1.22	-1.90	-1.67	6.82	-3.02			4					
	96979059		1610	19	0055				29	91	26	107	98	14	88	17	94	25	93	32	91	22	110	
9135	23	0014	9135	22	0030	2.90	99	102	-0.33	-0.03	-0.19	0.00	-0.20	-0.48	6.94	-3.42			6					
	97971576		1298	18	0074				17	96	15	100	97	8	96	8	102	14	100	24	91	15	111	
9135	24	0001	9135	22	0030	3.67	98	104	-0.63	0.09	-0.23	-0.66	-0.40	-0.79	2.19	-2.08			4					
	99095036		1610	19	0055				25	93	22	103	96	12	91	14	102	21	98	27	97	19	108	
9135	24	0002	9135	22	0030	3.67	98	104	-0.63	0.09	-0.23	-0.66	-0.40	-0.79	2.19	-2.08			4					
	99095044		1610	19	0055				25	93	22	103	96	12	91	14	102	21	98	27	97	19	108	
9135	24	0004	9170	19	0001	2.67	97	104	-0.66	0.17	-0.16	-0.72	-1.00	-1.09	3.03	-3.21			4					
	99095069		9135	22	0031				13	92	13	105	98	8	91	8	99	12	96	18	96	11	111	
9135	24	0006	9170	19	0001	2.66	104	106	-0.22	-0.04	-0.15	0.27	1.20	0.46	2.22	-1.43			6					
	101385623		1298	18	0074				12	97	10	100	98	6	97	5	109	9	105	22	97	13	106	
9135	24	0007	9135	23	0016	2.91	99	104	-0.56	-0.04	-0.32	-0.45	0.20	-0.48	1.34	-1.44			2					
	107200073		1413	17	0289				14	93	14	100	95	10	93	9	104	13	100	14	98	11	106	
9135	24	0009	9135	23	0016	4.02	98	102	-0.49	-0.02	-0.26	-0.44	-0.50	-0.80	-1.42	0.27			4					
	107200099		1610	19	0055				27	94	23	100	96	14	93	15	101	23	98	27	102	19	101	
9135	24	0010	9135	23	0016	4.02	98	102	-0.49	-0.02	-0.26	-0.44	-0.50	-0.80	-1.42	0.27			4					
	107200107		1610	19	0055				27	94	23	100	96	14	93	15	101	23	98	27	102	19	101	
9135	24	0012	9135	23	0016	5.07	93	100	-0.61	0.05	-0.26	-0.82	-1.50	-1.46	4.69	-2.00			2					
	107200123		9135	23	0009				21	93	19	102	96	12	90	12	96	18	94	24	94	16	107	

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
							EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EPI Times	
							Acc	Acc	Acc	Acc	Acc	Acc	Acc	Lambd	
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
9135	25 0001 107484958	9135 23 0007 9135 22 0032	2.92		98	104	-0.50 16 94	0.10 14 103	-0.15 98	-0.47 8 93	-0.30 9 102	-0.57 14 99	4.52 20 94	-2.22 13 108	3
9135	25 0002 107484966	9135 23 0016 1298 18 0074	3.52		99	100	-0.18 19 98	-0.13 17 98	-0.22 97	0.22 11 97	-0.30 10 102	-0.49 16 100	3.33 24 96	-1.07 16 105	6
9135	25 0003 107484974	9135 23 0016 1298 18 0074	3.52		99	100	-0.18 19 98	-0.13 17 98	-0.22 97	0.22 11 97	-0.30 10 102	-0.49 16 100	3.33 24 96	-1.07 16 105	6
9135	25 0004 110047099	9135 24 0006 9135 24 0005	14.91		102	105	-0.35 9 96	-0.02 8 100	-0.19 97	-0.01 5 96	0.60 5 106	-0.01 7 103	4.24 14 94	-2.73 9 109	2
9135	25 0006 111473278	9135 24 0006 1610 19 0055	2.74		102	105	-0.37 23 96	0.04 19 102	-0.15 98	-0.10 11 95	0.60 12 106	0.03 19 103	-1.85 26 102	0.52 18 100	4
9135	25 0008 111473294	9135 23 0016 9135 23 0008	5.07		94	100	-0.61 21 93	0.05 19 102	-0.26 96	-0.82 12 90	-1.50 12 96	-1.46 18 94	5.21 24 93	-2.95 16 110	2
9135	26 0003 112951793	9110 22 0001 9135 24 0005	4.24		98	106	-0.46 16 95	0.24 15 107	0.00 100	-0.58 11 92	-1.10 10 98	-0.89 14 97	1.92 18 97	-3.56 12 112	2
9135	26 0005 112952155	9110 22 0001 1298 18 0074	2.94		100	104	-0.18 19 98	0.18 17 105	0.09 102	-0.01 12 96	-0.90 10 99	-0.54 16 99	0.58 25 99	-1.65 16 106	6
9135	26 0006 112952163	9110 22 0001 1298 18 0074	2.94		100	104	-0.18 19 98	0.18 17 105	0.09 102	-0.01 12 96	-0.90 10 99	-0.54 16 99	0.58 25 99	-1.65 16 106	6
9135	26 0008 113799720	9135 25 0001 1805 20 0021	2.87		101	107	-0.59 8 93	0.09 7 103	-0.20 97	-0.48 5 93	0.60 5 106	-0.13 7 102	2.34 10 97	-2.06 8 108	3
Ram Flock Average: Number of rams in the flock: 22					98	103	-0.46	0.07	-0.16	-0.41	-0.54	-0.71	2.67	-2.10	

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		Comb	Post-Wean	Number Weaned	TWW		AFL		ILP		Times EPI Lamberd	
							Dir	Mat				EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV
							Acc	Index	Acc	Index	Index	Index	Index	Index	Acc	Index	Acc	Index	Acc
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15					
1298 18 0074 84266337	1298 16 0245 1298 16 0264	2.72	103	102	0.08 24 101	-0.10 18 98	-0.06 99	0.85 12 101	0.60 9 106	0.34 18 105	3.59 39 95	-0.21 23 102	6						
1610 19 0055 83563429	1217 14 0206 1610 18 0070	2.38	101	105	-0.52 45 94	0.12 38 104	-0.14 98	-0.46 21 93	0.10 24 104	-0.34 37 101	-5.92 47 107	2.47 32 95	4						
9135 22 0031 96978994	9108 20 0014 9108 19 0028	6.08	88	99	-0.80 25 91	0.32 24 109	-0.08 99	-1.14 17 88	-3.80 17 85	-2.76 23 87	5.21 28 93	-3.77 19 112	4						
9135 22 0032 98331507	9170 19 0001 1298 18 0074	2.66	104	106	-0.22 12 97	-0.04 10 100	-0.15 98	0.27 6 97	1.20 5 109	0.46 9 105	2.22 22 97	-1.43 13 106	3						
9135 23 0008 96979067	9108 20 0014 1610 19 0055	4.75	92	102	-0.78 29 91	0.25 26 107	-0.14 98	-1.22 14 88	-1.90 17 94	-1.67 25 93	7.35 40 90	-3.97 24 113	2						
9135 23 0009 96979075	9108 20 0014 1610 19 0055	4.75	92	101	-0.78 29 91	0.25 26 107	-0.14 98	-1.22 14 88	-1.90 17 94	-1.67 25 93	6.30 40 92	-2.07 24 108	2						
9135 24 0005 101387132	9135 22 0030 9135 22 0032	2.78	99	104	-0.48 14 94	0.01 13 101	-0.24 96	-0.29 7 94	0.10 7 104	-0.42 12 100	6.26 18 92	-4.03 11 113	2						
9135 24 0011 107200115	9135 23 0016 9135 22 0031	5.39	91	99	-0.63 19 93	0.08 18 103	-0.23 96	-0.78 13 91	-2.50 12 92	-2.04 17 91	4.14 20 95	-2.85 14 110	0						
9135 25 0005 110047107	9135 24 0006 1805 20 0021	2.87	104	108	-0.45 6 95	0.02 5 101	-0.20 97	-0.11 5 95	1.40 5 110	0.41 5 105	1.19 11 98	-1.66 8 106	0						
9135 25 0007 111473286	9135 24 0006 1610 19 0055	2.74	102	105	-0.37 23 96	0.04 19 102	-0.15 98	-0.10 11 95	0.60 12 106	0.03 19 103	-1.85 26 102	0.52 18 100	0						
9135 25 0009 111473328	9135 24 0006 9135 22 0031	3.00	96	102	-0.51 14 94	0.14 13 104	-0.12 98	-0.44 9 93	-1.30 9 97	-1.15 12 96	3.71 18 95	-2.60 12 109	0						
9135 26 0001 112951751	9135 23 0014 9135 23 0009	9.60	95	102	-0.55 17 94	0.11 15 104	-0.17 97	-0.61 8 92	-1.00 9 99	-1.04 14 97	6.62 24 91	-2.74 14 109	0						
9135 26 0002 112951769	9110 22 0001 9135 24 0005	4.24	98	106	-0.46 16 95	0.24 15 107	0.00 100	-0.58 11 92	-1.10 10 98	-0.89 14 97	1.92 18 97	-3.56 12 112	0						
9135 26 0004 112951801	9110 22 0001 9135 22 0032	2.81	101	107	-0.33 16 96	0.21 15 106	0.05 101	-0.30 11 94	-0.60 10 101	-0.48 14 100	-0.10 19 100	-2.26 13 108	0						
9135 26 0007 113799712	9135 25 0001 1805 20 0021	2.87	101	107	-0.59 8 93	0.09 7 103	-0.20 97	-0.48 5 93	0.60 5 106	-0.13 7 102	2.34 10 97	-2.06 8 108	0						

	Ewe flock average: Total ewes in flock: 15	98	104	-0.49	0.12	-0.13	-0.44	-0.63	-0.76	2.70	-2.01
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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	Progeny Number	Dir	Mat			Comb									
			y	Herds							EBV Acc Index	EBV Acc Index						EBV Index
		Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
1	1217 14 0206 74109158	2.04	776 CG 0061 1217 12 0135	29	1	5	3	101	106	-0.73 84 92	0.33 70 109	-0.04 100	-0.33 37 93	0.10 44 104	-0.34 69 101	-11.53 80 114	6.95 56 83	109 4
2	1298 16 0245 80960537	1.83	DL 1 4- 0233 1168 10 0154	4	1			110	103	0.67 42 107	-0.26 29 94	0.08 102	1.56 20 106	1.80 13 112	1.49 30 111	-1.48 59 102	2.13 36 96	2
3	959 17 0020 80571094	4.06	762 14 0450 959 15 0031					98	112	-0.40 50 95	0.91 47 124	0.72 113	-1.48 33 86	-2.50 29 92	-0.98 44 97	4.52 51 94	-5.75 34 118	97 7
4	9170 19 0001 97522122	2.92	116 17 0033 1384 17 0160					105	110	-0.52 8 94	0.02 8 101	-0.24 96	-0.31 5 94	1.70 5 111	0.52 6 106	0.84 22 99	-2.65 13 109	100 5
5	9108 20 0014 95405114	8.77	762 16 0523 762 17 0155					84	98	-1.03 37 88	0.38 36 110	-0.14 98	-1.97 20 83	-3.80 24 85	-2.94 34 86	19.57 44 75	-8.51 29 125	6
6	9110 22 0001 96642996	5.64	959 17 0020 9108 19 0023					97	107	-0.45 29 95	0.47 28 113	0.24 105	-0.87 21 90	-2.40 19 92	-1.42 26 94	-2.42 32 103	-3.09 22 110	7
7	9135 22 0030 96978986	2.47	9108 20 0014 776 18 0157					94	103	-0.74 24 91	0.05 23 102	-0.32 95	-0.85 12 90	-1.00 13 99	-1.29 21 95	10.30 28 87	-6.62 19 120	2
8	9135 23 0007 96979059	4.75	9108 20 0014 1610 19 0055					92	101	-0.78 29 91	0.25 26 107	-0.14 98	-1.22 14 88	-1.90 17 94	-1.67 25 93	6.82 32 91	-3.02 22 110	4
9	9135 23 0014 97971576	2.90	9135 22 0030 1298 18 0074					99	102	-0.33 17 96	-0.03 15 100	-0.19 97	0.00 8 96	-0.20 8 102	-0.48 14 100	6.94 24 91	-3.42 15 111	6
10	9135 23 0016 99095051	2.90	762 20 0036 1650 19 0001					95	98	-0.45 29 95	-0.15 28 97	-0.37 94	-0.42 19 93	-1.20 18 98	-1.32 26 95	3.07 27 96	-1.93 21 107	2
11	9135 24 0006 101385623	2.66	9170 19 0001 1298 18 0074					104	106	-0.22 12 97	-0.04 10 100	-0.15 98	0.27 6 97	1.20 5 109	0.46 9 105	2.22 22 97	-1.43 13 106	6
12	9135 25 0001 107484958	2.92	9135 23 0007 9135 22 0032					98	104	-0.50 16 94	0.10 14 103	-0.15 98	-0.47 8 93	-0.30 9 102	-0.57 14 99	4.52 20 94	-2.22 13 108	3
			Sire Flock Average: Number of sires used in the flock: 12						98	104	-0.45	0.17	-0.06	-0.51	-0.71	-0.71	3.61	-2.46

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	9135 24 0006 101385623	2.66	1170 19 0001 298 18 0074		104	106	-0.22 12 97	-0.04 10 100	-0.15 98	0.27 6 97	1.20 5 109	0.46 9 105	2.22 22 97	-1.43 13 106	6	
2	9135 25 0006 111473278	2.74	1135 24 0006 610 19 0055		102	105	-0.37 23 96	0.04 19 102	-0.15 98	-0.10 11 95	0.60 12 106	0.03 19 103	-1.85 26 102	0.52 18 100	4	
3	9135 25 0004 110047099	14.91	1135 24 0006 1135 24 0005		102	105	-0.35 9 96	-0.02 8 100	-0.19 97	-0.01 5 96	0.60 5 106	-0.01 7 103	4.24 14 94	-2.73 9 109	2	
4	9135 26 0008 113799720	2.87	1135 25 0001 805 20 0021		101	107	-0.59 8 93	0.09 7 103	-0.20 97	-0.48 5 93	0.60 5 106	-0.13 7 102	2.34 10 97	-2.06 8 108	3	
5	9135 26 0006 112952163	2.94	1110 22 0001 298 18 0074		100	104	-0.18 19 98	0.18 17 105	0.09 102	-0.01 12 96	-0.90 10 99	-0.54 16 99	0.58 25 99	-1.65 16 106	6	
6	9135 26 0005 112952155	2.94	1110 22 0001 298 18 0074		100	104	-0.18 19 98	0.18 17 105	0.09 102	-0.01 12 96	-0.90 10 99	-0.54 16 99	0.58 25 99	-1.65 16 106	6	
7	9135 24 0007 107200073	2.91	1135 23 0016 413 17 0289		99	104	-0.56 14 93	-0.04 14 100	-0.32 95	-0.45 10 93	0.20 9 104	-0.48 13 100	1.34 14 98	-1.44 11 106	2	
8	9135 25 0002 107484966	3.52	1135 23 0016 298 18 0074		99	100	-0.18 19 98	-0.13 17 98	-0.22 97	0.22 11 97	-0.30 10 102	-0.49 16 100	3.33 24 96	-1.07 16 105	6	
9	9135 25 0003 107484974	3.52	1135 23 0016 298 18 0074		99	100	-0.18 19 98	-0.13 17 98	-0.22 97	0.22 11 97	-0.30 10 102	-0.49 16 100	3.33 24 96	-1.07 16 105	6	
10	9135 23 0014 97971576	2.90	1135 22 0030 298 18 0074		99	102	-0.33 17 96	-0.03 15 100	-0.19 97	0.00 8 96	-0.20 8 102	-0.48 14 100	6.94 24 91	-3.42 15 111	6	
11	9135 26 0003 112951793	4.24	1110 22 0001 1135 24 0005		98	106	-0.46 16 95	0.24 15 107	0.00 100	-0.58 11 92	-1.10 10 98	-0.89 14 97	1.92 18 97	-3.56 12 112	2	
12	9135 25 0001 107484958	2.92	1135 23 0007 1135 22 0032		98	104	-0.50 16 94	0.10 14 103	-0.15 98	-0.47 8 93	-0.30 9 102	-0.57 14 99	4.52 20 94	-2.22 13 108	3	
13	9135 24 0010 107200107	4.02	1135 23 0016 610 19 0055		98	102	-0.49 27 94	-0.02 23 100	-0.26 96	-0.44 14 93	-0.50 15 101	-0.80 23 98	-1.42 27 102	0.27 19 101	4	
14	9135 24 0009 107200099	4.02	1135 23 0016 610 19 0055		98	102	-0.49 27 94	-0.02 23 100	-0.26 96	-0.44 14 93	-0.50 15 101	-0.80 23 98	-1.42 27 102	0.27 19 101	4	
15	9135 24 0002 99095044	3.67	1135 22 0030 610 19 0055		98	104	-0.63 25 93	0.09 22 103	-0.23 96	-0.66 12 91	-0.40 14 102	-0.79 21 98	2.19 27 97	-2.08 19 108	4	

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	EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EPI	Times Lamb	
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
16	9135 24 0001 99095036	3.67	1135 22 0030 610 19 0055		98	104	-0.63 25	0.09 22	-0.23 96	-0.66 12	-0.40 14	-0.79 21	2.19 27	-2.08 19	4
17	9110 22 0001 96642996	5.64	959 17 0020 1108 19 0023		97	107	-0.45 29	0.47 28	0.24 105	-0.87 21	-2.40 19	-1.42 26	-2.42 32	-3.09 22	7
18	9135 24 0004 99095069	2.67	1170 19 0001 1135 22 0031		97	104	-0.66 13	0.17 13	-0.16 98	-0.72 8	-1.00 8	-1.09 12	3.03 18	-3.21 11	4
19	9135 22 0030 96978986	2.47	1108 20 0014 776 18 0157		94	103	-0.74 24	0.05 23	-0.32 95	-0.85 12	-1.00 13	-1.29 21	10.30 28	-6.62 19	2
20	9135 25 0008 111473294	5.07	1135 23 0016 1135 23 0008		94	100	-0.61 21	0.05 19	-0.26 96	-0.82 12	-1.50 12	-1.46 18	5.21 24	-2.95 16	2
21	9135 24 0012 107200123	5.07	1135 23 0016 1135 23 0009		93	100	-0.61 21	0.05 19	-0.26 96	-0.82 12	-1.50 12	-1.46 18	4.69 24	-2.00 16	2
22	9135 23 0007 96979059	4.75	1108 20 0014 610 19 0055		92	101	-0.78 29	0.25 26	-0.14 98	-1.22 14	-1.90 17	-1.67 25	6.82 32	-3.02 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	Reproduction Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL		ILP		EPI	Times Lambd
					Dir EBV Acc Index	Mat EBV Acc Index	Comb 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			
1	9135 22 0032 98331507	2.66	9170 19 0001 1298 18 0074	104	106	-0.22 12 97	-0.04 10 100	-0.15 98	0.27 6 97	1.20 5 109	0.46 9 105	2.22 22 97	-1.43 13 106			3
2	9135 25 0005 110047107	2.87	9135 24 0006 1805 20 0021	104	108	-0.45 6 95	0.02 5 101	-0.20 97	-0.11 5 95	1.40 5 110	0.41 5 105	1.19 11 98	-1.66 8 106			0
3	1298 18 0074 84266337	2.72	1298 16 0245 1298 16 0264	103	102	0.08 24 101	-0.10 18 98	-0.06 99	0.85 12 101	0.60 9 106	0.34 18 105	3.59 39 95	-0.21 23 102			6
4	9135 25 0007 111473286	2.74	9135 24 0006 1610 19 0055	102	105	-0.37 23 96	0.04 19 102	-0.15 98	-0.10 11 95	0.60 12 106	0.03 19 103	-1.85 26 102	0.52 18 100			0
5	9135 26 0007 113799712	2.87	9135 25 0001 1805 20 0021	101	107	-0.59 8 93	0.09 7 103	-0.20 97	-0.48 5 93	0.60 5 106	-0.13 7 102	2.34 10 97	-2.06 8 108			0
6	1610 19 0055 83563429	2.38	1217 14 0206 1610 18 0070	101	105	-0.52 45 94	0.12 38 104	-0.14 98	-0.46 21 93	0.10 24 104	-0.34 37 101	-5.92 47 107	2.47 32 95			4
7	9135 26 0004 112951801	2.81	9110 22 0001 9135 22 0032	101	107	-0.33 16 96	0.21 15 106	0.05 101	-0.30 11 94	-0.60 10 101	-0.48 14 100	-0.10 19 100	-2.26 13 108			0
8	9135 24 0005 101387132	2.78	9135 22 0030 9135 22 0032	99	104	-0.48 14 94	0.01 13 101	-0.24 96	-0.29 7 94	0.10 7 104	-0.42 12 100	6.26 18 92	-4.03 11 113			2
9	9135 26 0002 112951769	4.24	9110 22 0001 9135 24 0005	98	106	-0.46 16 95	0.24 15 107	0.00 100	-0.58 11 92	-1.10 10 98	-0.89 14 97	1.92 18 97	-3.56 12 112			0
10	9135 25 0009 111473328	3.00	9135 24 0006 9135 22 0031	96	102	-0.51 14 94	0.14 13 104	-0.12 98	-0.44 9 93	-1.30 9 97	-1.15 12 96	3.71 18 95	-2.60 12 109			0
11	9135 26 0001 112951751	9.60	9135 23 0014 9135 23 0009	95	102	-0.55 17 94	0.11 15 104	-0.17 97	-0.61 8 92	-1.00 9 99	-1.04 14 97	6.62 24 91	-2.74 14 109			0
12	9135 23 0008 96979067	4.75	9108 20 0014 1610 19 0055	92	102	-0.78 29 91	0.25 26 107	-0.14 98	-1.22 14 88	-1.90 17 94	-1.67 25 93	7.35 40 90	-3.97 24 113			2
13	9135 23 0009 96979075	4.75	9108 20 0014 1610 19 0055	92	101	-0.78 29 91	0.25 26 107	-0.14 98	-1.22 14 88	-1.90 17 94	-1.67 25 93	6.30 40 92	-2.07 24 108			2
14	9135 24 0011 107200115	5.39	9135 23 0016 9135 22 0031	91	99	-0.63 19 93	0.08 18 103	-0.23 96	-0.78 13 91	-2.50 12 92	-2.04 17 91	4.14 20 95	-2.85 14 110			0
15	9135 22 0031 96978994	6.08	9108 20 0014 9108 19 0028	88	99	-0.80 25 91	0.32 24 109	-0.08 99	-1.14 17 88	-3.80 17 85	-2.76 23 87	5.21 28 93	-3.77 19 112			4