



BOERBOK GENETIC REPORT

21 September 2026



KOSAMOESALOT BOERBOK STOET

FDM : 2023



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 :

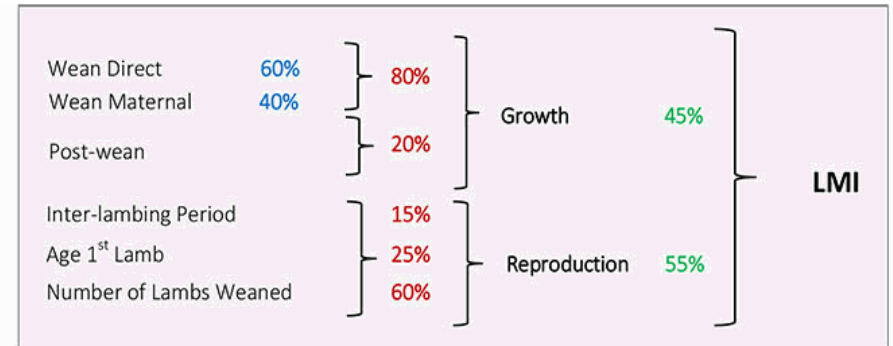
Logix Merit Index (LMI)

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	0.13	-0.01	-0.06	-0.01	-0.09
Weaning Weight Maternal	0.18	0.17	0.19	-0.02	-0.03	-0.02
Weaning Weight Combined	0.20	0.23	0.18	-0.06	-0.03	-0.07
Post-wean Weight	0.17	0.19	0.17	0.50	0.58	0.45
Number Lambs Weaned	1.10	1.27	1.02	-0.36	-0.55	-0.26
Total Weight Weaned	0.88	1.06	0.79	-0.31	-0.37	-0.27
Age at First Lambing	0.21	1.25	-0.20	-0.30	-0.22	-0.35
Inter-lambing Period	2.39	2.28	2.44	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	105	106	105	101	100	101
Reproduction Index	106	106	106	102	101	102
Inbreeding						
Inbreeding (%)	8.99	14.31	6.99	5.54	5.93	5.34
Number of Animals						
Number of Animals	33	9	24	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	100.2	101.2	99.6
Weaning Weight Maternal	105.3	105.0	105.5
Weaning Weight Comb	103.8	104.3	103.5
Post-wean Weight	96.8	96.9	96.7
Number Lambs Weaned	108.6	109.4	108.2
Total Weight Weaned	107.6	108.7	107.1
Age First Lambing	99.5	98.2	100.0
Interlambing Period	95.3	95.6	95.2
Selection Indices			
Logix Merit Index	105.4	106.0	105.1
Ewe Index	105.6	105.5	105.7
Growth Index	98.5	98.9	98.3
Inbreeding			
Inbreeding (%)	8.99	14.31	6.99
Number of Animals			
Number of Animals	33	9	24

** 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

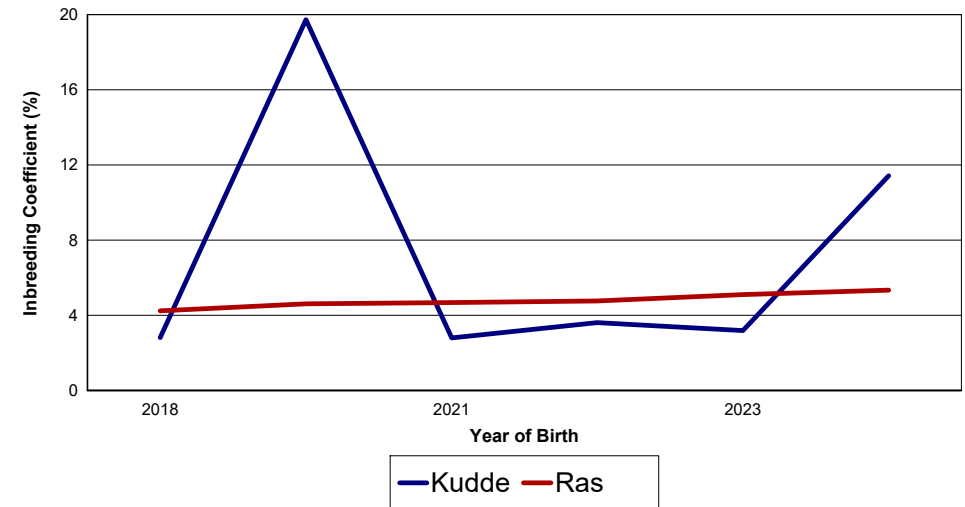
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2018 - 2024	11.41	1.44
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

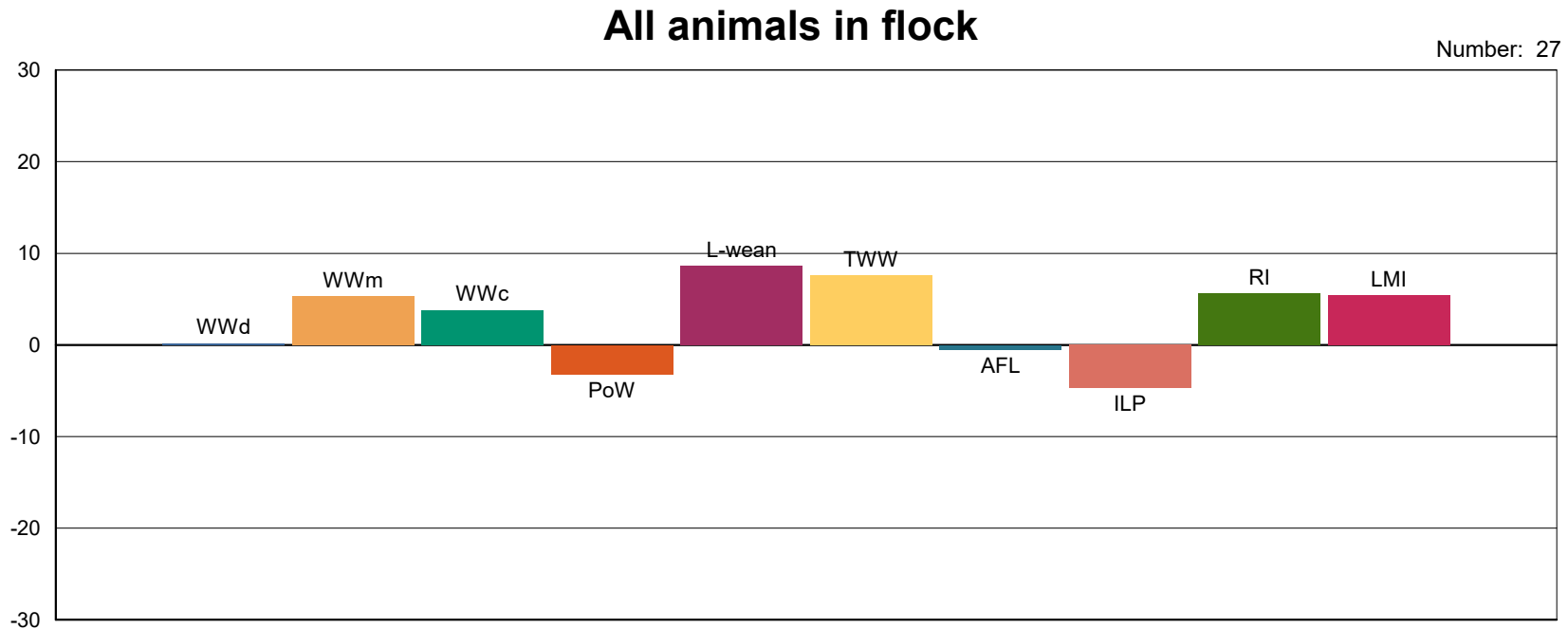


Pedigree Information

	Number	%
Known Sires	27	82
Known Dams	27	82

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

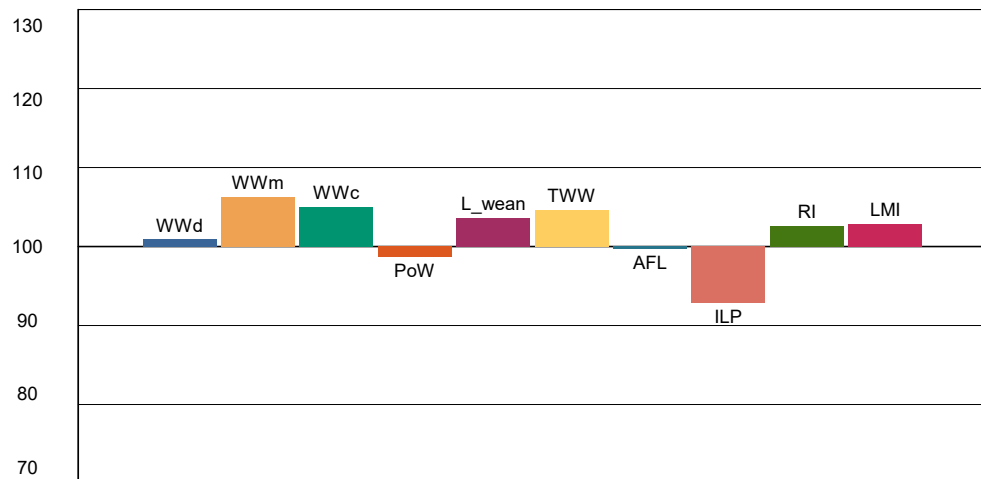
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

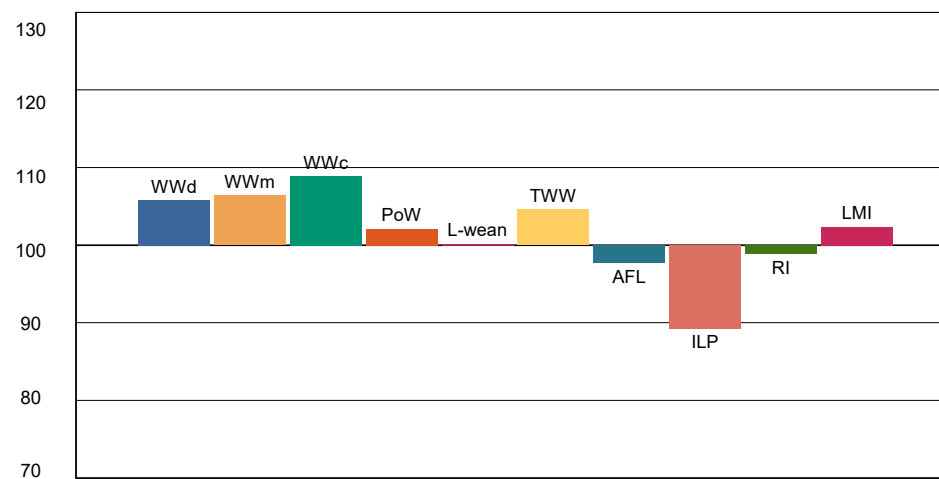
Dams

Number: 10



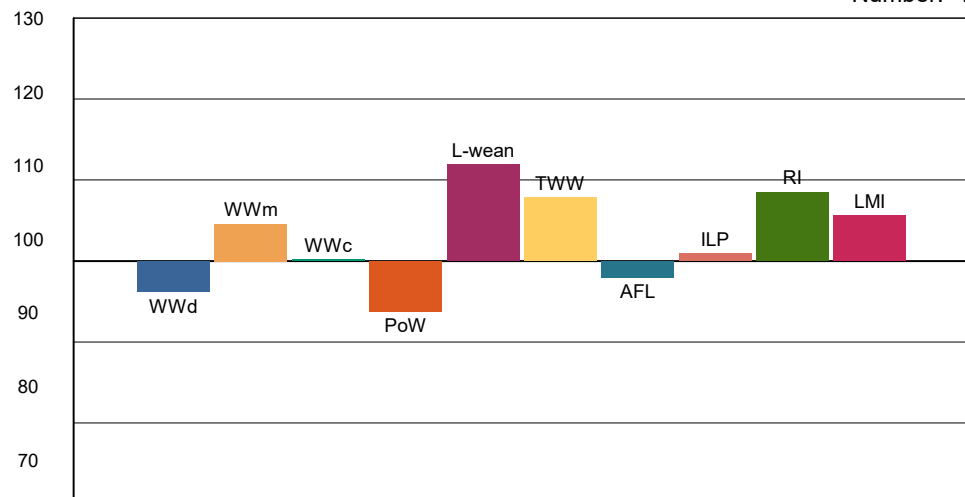
Sires

Number: 6



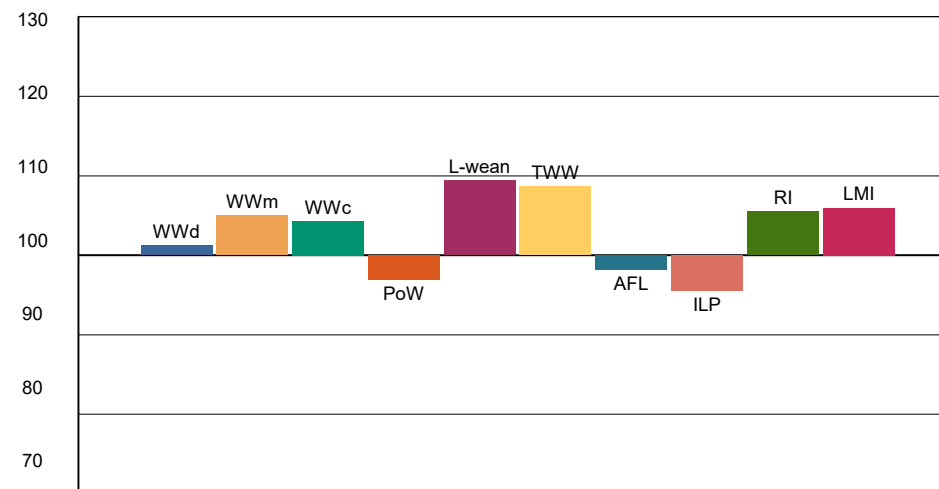
Young Ewes

Number: 1



Young Rams

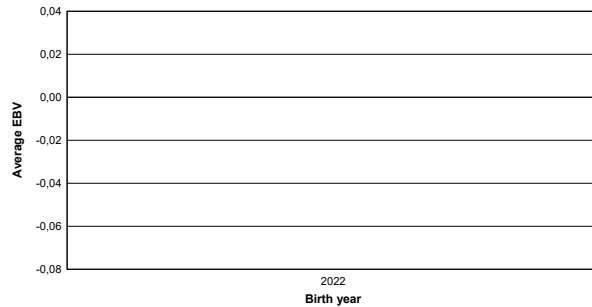
Number: 9



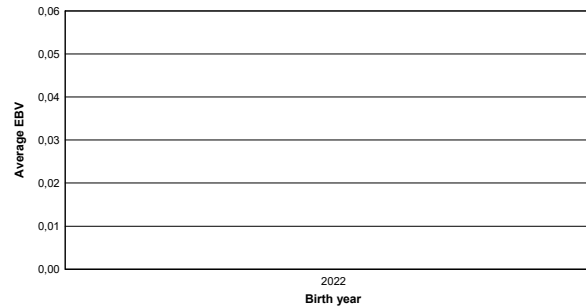
Genetic Trends

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

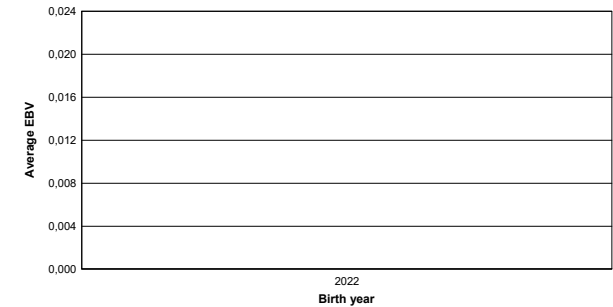
Weaning Weight Direct



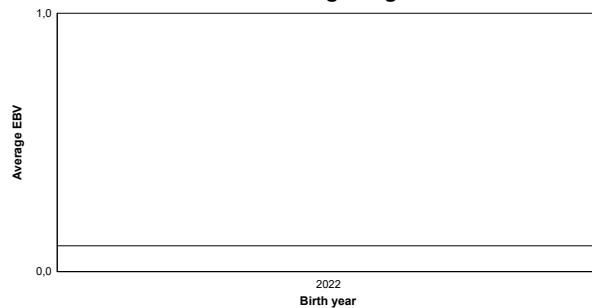
Wean Weight Maternal



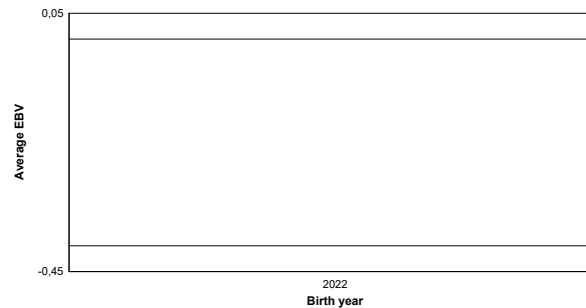
Weaning Weight Combined



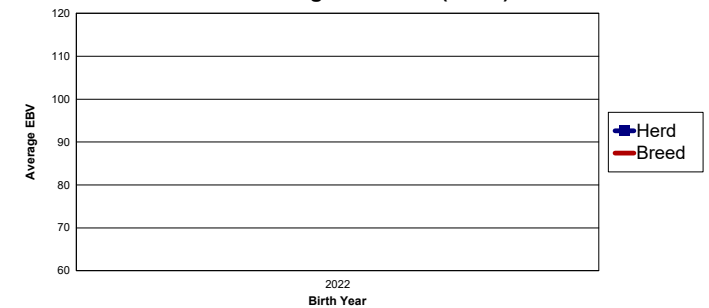
Post-weaning Weight



Number of Lambs Weaned

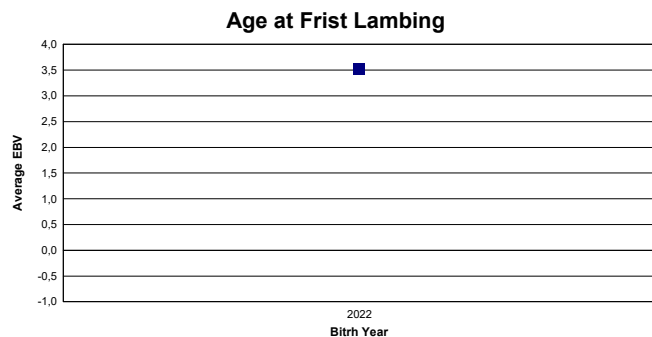


Total Weight Weaned (TWW)

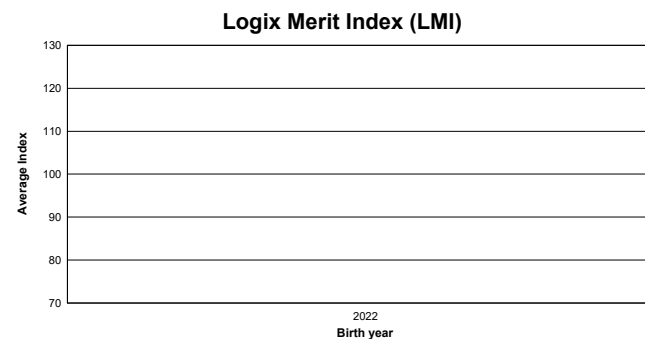
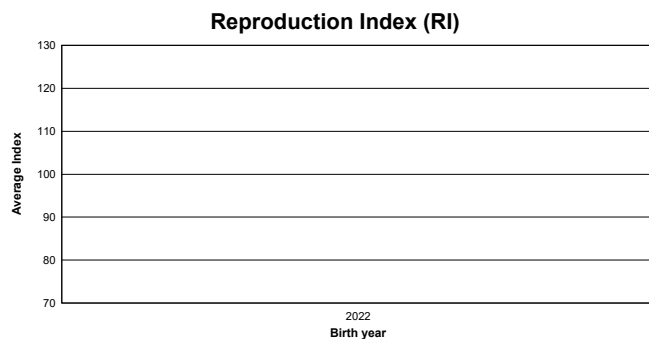
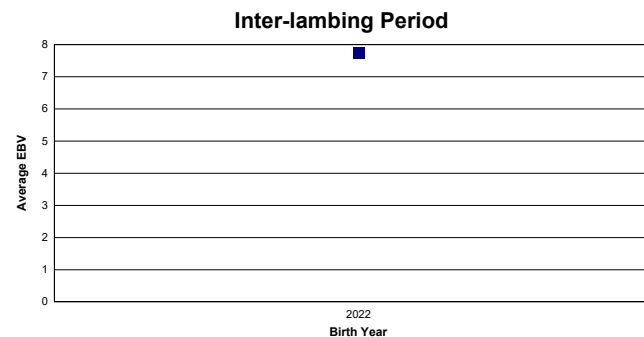


Genetic Trends

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 EBV				Post-wean		Lambs Weaned		TWW		AFL		ILP		RI		LMI	
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	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	1336	103	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	100	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	1626	104
2016	1804	-0.26	0.04	-0.09	239	0.72	791	0.07	1804	102	1291	-1.49	887	0.13	1804	104	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	102	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	2519	101
2019	2144	-0.01	0.02	0.01	254	0.24	889	0.13	2138	102	2101	-0.70	1389	0.07	2138	102	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	102	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	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	2519	102
2023	2896	-0.17	0.05	-0.03	465	-0.06	570	-0.16	2894	101	3098	-0.57	1076	0.57	2894	103	2894	101
2024	3036	0.04	-0.06	-0.04	414	1.29	196	-0.35	3035	100	1825	-1.17	154	0.85	3035	100	3035	100
2025	2284	0.15	-0.01	0.07	476	1.04			2283	103	82	-1.16			2283	101	2283	102

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	Number	EBV	Number	EBV
2022											7	3.53	1	7.75				

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							
1502	20	0100	1502	15	0028	28.01	110	106	0.76	0.38	0.76	0.38	2.10	2.39	5.83	4.57						
90936998			1502	15	0029				61	108	47	110	19	113	46	116	23	89	99	5		
2023	22	0001	762	19	0419	7.35	98	93	0.59	-0.13	0.16	1.40	-1.90	-0.68	2.85	1.64						
98565906			1562	20	0231				44	106	36	97	25	105	23	94	36	99	27	97	1	
2023	24	0003	2023	22	0009	3.28	103	101	0.32	0.05	0.21	0.67	0.00	0.37	3.04	1.64						
112371992			2023	22	0002				27	103	22	102	13	100	13	103	22	105	14	97	1	
2023	24	0007	2023	22	0009	2.80	107	109	-0.32	0.15	-0.01	-0.28	1.80	0.92	-4.59	2.33						
111920500			2023	18	0183				15	96	12	105	5	94	5	112	12	108	6	96	3	
2023	24	0011	2023	22	0009	18.09	107	108	0.04	0.23	0.25	-0.06	1.90	1.41	2.25	1.97						
111920609			2023	22	0006				21	100	17	107	7	95	7	112	16	111	8	96	1	
2023	24	0012	2023	22	0009	18.09	107	108	0.04	0.23	0.25	-0.06	1.90	1.41	2.25	1.97						
111920617			2023	22	0006				21	100	17	107	7	95	7	112	16	111	8	96	1	
2023	24	0016	2023	22	0009	2.80	106	108	-0.32	0.15	-0.01	-0.28	1.80	0.92	1.94	0.19						
111920591			2023	18	0145				15	96	12	105	5	94	5	112	12	108	6	101	3	
2023	24	0022	2023	22	0009	18.10	109	109	0.04	0.23	0.25	-0.06	1.90	1.41	-6.04	4.70						
111922563			2023	22	0008				21	100	17	107	7	95	7	112	16	111	8	89	2	
2023	24	0024	2023	22	0009	30.24	107	108	0.04	0.23	0.25	-0.06	1.90	1.41	3.75	1.48						
111922654			2023	22	0010				21	100	17	107	7	95	7	112	16	111	8	98	1	
Ram Flock Average:						106	106	0.13	0.17	0.23	0.19	1.27	1.06	1.25	2.28							
Number of rams in the flock: 9																						

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	Acc	Index	Acc	Index
	EBV	EBV	EBV				EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV
Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	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								
1520 20 0279 91097741	1590 16 0080 1520 19 0089	27.57	94	92	0.30 30	103	0.43 31	112	0.58 110	2.04 22	109	-4.50 18	-1.97 28	91	-7.23 39	8.50 23	79	2			
2023 22 0002 98565914	762 19 0419 1562 20 0231	7.35	98	93	0.59 44	106	-0.13 36	97	0.16 103	1.40 25	105	-1.90 23	-0.68 36	99	2.85 35	1.64 27	97	1			
2023 22 0003 98947153	1502 20 0100 2023 18 0145	2.80	107	108	0.04 30	100	0.23 23	107	0.25 105	-0.06 9	95	1.90 9	1.41 22	111	4.26 39	1.31 12	98	1			
2023 22 0005 98948581	1502 20 0100 2023 21 0016	2.79	107	107	0.04 30	100	0.23 23	107	0.25 105	-0.06 9	95	1.90 9	1.41 22	111	7.15 40	0.36 12	101	1			
2023 22 0006 98947435	1502 20 0100 2023 21 0014	2.79	108	108	0.04 30	100	0.23 23	107	0.25 105	-0.06 9	95	1.90 9	1.41 22	111	1.26 39	2.30 12	96	1			
2023 22 0007 98948599	1502 20 0100 2023 18 0183	2.80	108	109	0.04 30	100	0.23 23	107	0.25 105	-0.06 9	95	1.90 9	1.41 22	111	-3.29 24	3.79 12	91	0			
2023 22 0008 98947336	1502 20 0100 2023 18 0183	2.80	111	110	0.04 30	100	0.23 23	107	0.25 105	-0.06 9	95	1.90 9	1.41 22	111	-15.31 35	7.75 12	81	2			
2023 22 0010 98947351	1502 20 0100 2023 21 0005	2.79	107	108	0.04 30	100	0.23 23	107	0.25 105	-0.06 9	95	1.90 9	1.41 22	111	4.26 39	1.31 12	98	1			
2023 23 0018 98948607	2023 22 0001 2023 21 0014	2.79	101	101	-0.04 22	99	-0.03 18	100	-0.05 100	0.46 12	99	-0.10 12	-0.13 18	102	0.74 19	0.51 13	101	0			
2023 24 0006 111918942	2023 22 0009 2023 21 0014	2.79	106	109	-0.32 15	96	0.15 12	105	-0.01 100	-0.28 5	94	1.80 5	0.92 12	108	0.94 15	0.52 6	101	0			
2023 24 0008 111918967	2023 22 0009 2023 18 0183	2.80	107	109	-0.32 15	96	0.15 12	105	-0.01 100	-0.28 5	94	1.80 5	0.92 12	108	-4.59 14	2.33 6	96	0			
2023 24 0010 111918975	2023 22 0009 2023 22 0005	18.09	107	107	0.04 21	100	0.23 17	107	0.25 105	-0.06 7	95	1.90 7	1.41 16	111	5.19 23	1.00 8	99	0			
2023 24 0014 111919031	2023 22 0009 2023 21 0005	27.09	106	108	-0.32 15	96	0.15 12	105	-0.01 100	-0.28 5	94	1.80 5	0.92 12	108	1.94 15	0.19 6	101	0			
2023 24 0017 111919049	2023 22 0009 2023 18 0145	2.80	106	108	-0.32 15	96	0.15 12	105	-0.01 100	-0.28 5	94	1.80 5	0.92 12	108	1.94 15	0.19 6	101	0			
2023 24 0018 111919056	2023 22 0009 2023 22 0003	18.10	107	108	0.04 21	100	0.23 17	107	0.25 105	-0.06 7	95	1.90 7	1.41 16	111	3.75 23	1.48 8	98	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			Lambded
							Acc	Index	Acc	Index	EBV	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	
2023 24 0021 111919247	2023 22 0009 1520 20 0279	4.16			101	100	0.17 21	102	0.33 20	109	0.41 107	0.99 12	102	-1.30 10	97	-0.28 18	101	-1.99 23	102	5.07 13	88	0
2023 24 0023 111919338	2023 22 0009 2023 22 0008	18.10			109	109	0.04 21	100	0.23 17	107	0.25 105	-0.06 7	95	1.90 7	112	1.41 16	111	-6.04 21	107	4.70 8	89	0
2023 24 0025 111919361	2023 22 0009 2023 22 0011	2.71			106	109	-0.32 15	96	0.15 12	105	-0.01 100	-0.28 5	94	1.80 5	112	0.92 12	108	1.43 12	98	0.35 6	101	0
	Ewe flock average: Total ewes in flock: 18				105	106	-0.01		0.19		0.18		0.17		1.02		0.79		-0.20		2.44	

Sires Used in Flock

*Inbreeding in red is high

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Indices >=124
Above breed average
Indices <= 76

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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	Weaned	Herds			EBV Acc Index	EBV Acc Index	EBV 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	1502 15 0028 75139964	4.98	762 13 0058 1502 13 0036	87	1	16	1	108	108	0.03 91 100	0.46 75 112	0.47 108	-0.96 34 89	2.80 30 117	2.16 71 115	5.96 57 92	5.63 37 86	3
2	1590 16 0080 78788833	5.79	762 11 0591 762 13 0594			5	2	90	86	0.61 53 107	0.52 55 114	0.83 115	2.88 39 115	-6.60 32 72	-2.83 49 86	-10.00 66 113	11.59 40 70	4
3	762 19 0419 86227865	14.63	762 18 0157 762 16 0183	20	2	4	3	101	92	1.24 81 114	-0.11 65 98	0.51 109	2.29 43 111	-2.40 41 92	-0.31 66 101	1.81 60 98	2.38 46 95	133 6
4	1502 20 0100 90936998	28.01	1502 15 0028 1502 15 0029					110	106	0.76 61 108	0.38 47 110	0.76 113	0.38 19 98	2.10 19 113	2.39 46 116	5.83 46 92	4.57 23 89	99 5
5	2023 22 0001 98565906	7.35	762 19 0419 1562 20 0231					98	93	0.59 44 106	-0.13 36 97	0.16 103	1.40 25 105	-1.90 23 94	-0.68 36 99	2.85 35 96	1.64 27 97	1
6	2023 22 0009 98947161	2.79	1502 20 0100 2023 21 0005					107	108	0.04 30 100	0.23 23 107	0.25 105	-0.06 9 95	1.90 9 112	1.41 22 111	3.24 25 96	1.65 12 97	3
			Sire Flock Average: Number of sires used in the flock: 6				102	99	0.54	0.22	0.50	0.99	-0.68	0.36	1.62	4.58		

Ram Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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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 Weaned Herds	Progeny Number Weaned Herds			Dir	Mat							Comb
			EBV Acc Index	EBV Acc Index			EBV Index	EBV Acc 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	
1	1502 20 0100 90936998	28.01	502 15 0028 502 15 0029		110	106	0.76 61	0.38 108	0.76 113	0.38 19	2.10 19	2.39 46	5.83 92	4.57 23	99 5
2	2023 24 0022 111922563	18.10	2023 22 0009 2023 22 0008		109	109	0.04 21	0.23 100	0.25 105	-0.06 7	1.90 7	1.41 16	-6.04 107	4.70 8	2
3	2023 24 0012 111920617	18.09	2023 22 0009 2023 22 0006		107	108	0.04 21	0.23 100	0.25 105	-0.06 7	1.90 7	1.41 16	2.25 97	1.97 8	1
4	2023 24 0011 111920609	18.09	2023 22 0009 2023 22 0006		107	108	0.04 21	0.23 100	0.25 105	-0.06 7	1.90 7	1.41 16	2.25 97	1.97 8	1
5	2023 24 0024 111922654	30.24	2023 22 0009 2023 22 0010		107	108	0.04 21	0.23 100	0.25 105	-0.06 7	1.90 7	1.41 16	3.75 95	1.48 8	1
6	2023 24 0007 111920500	2.80	2023 22 0009 2023 18 0183		107	109	-0.32 15	0.15 105	-0.01 100	-0.28 5	1.80 5	0.92 12	-4.59 106	2.33 6	3
7	2023 24 0016 111920591	2.80	2023 22 0009 2023 18 0145		106	108	-0.32 15	0.15 105	-0.01 100	-0.28 5	1.80 5	0.92 12	1.94 97	0.19 6	3
8	2023 24 0003 112371992	3.28	2023 22 0009 2023 22 0002		103	101	0.32 27	0.05 103	0.21 104	0.67 13	0.00 13	0.37 22	3.04 96	1.64 14	1
9	2023 22 0001 98565906	7.35	762 19 0419 562 20 0231		98	93	0.59 44	-0.13 106	0.16 103	1.40 25	-1.90 23	-0.68 36	2.85 99	1.64 35	1

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

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Indices >=124
Above breed average
Indices <= 76

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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 Lambd	
					Dir EBV Acc	Mat EBV Index	Comb EBV Index	EBV Acc			EBV Index	Acc	EBV Index	Acc			EBV Index
Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15				
1	2023 22 0008 98947336	2.80	1502 20 0100 2023 18 0183	111	110	0.04 30	0.23 100	0.25 23	-0.06 107	0.25 105	-0.06 9	1.90 112	1.41 22	-15.31 35	7.75 119	12 81	2
2	2023 24 0023 111919338	18.10	2023 22 0009 2023 22 0008	109	109	0.04 21	0.23 100	0.23 17	-0.06 107	0.25 105	-0.06 7	1.90 112	1.41 16	-6.04 21	4.70 107	8 89	0
3	2023 22 0007 98948599	2.80	1502 20 0100 2023 18 0183	108	109	0.04 30	0.23 100	0.23 23	-0.06 107	0.25 105	-0.06 9	1.90 112	1.41 22	-3.29 24	3.79 104	12 91	0
4	2023 22 0006 98947435	2.79	1502 20 0100 2023 21 0014	108	108	0.04 30	0.23 100	0.23 23	-0.06 107	0.25 105	-0.06 9	1.90 112	1.41 22	1.26 39	2.30 98	12 96	1
5	2023 24 0018 111919056	18.10	2023 22 0009 2023 22 0003	107	108	0.04 21	0.23 100	0.23 17	-0.06 107	0.25 105	-0.06 7	1.90 112	1.41 16	3.75 23	1.48 95	8 98	0
6	2023 22 0003 98947153	2.80	1502 20 0100 2023 18 0145	107	108	0.04 30	0.23 100	0.23 23	-0.06 107	0.25 105	-0.06 9	1.90 112	1.41 22	4.26 39	1.31 94	12 98	1
7	2023 22 0010 98947351	2.79	1502 20 0100 2023 21 0005	107	108	0.04 30	0.23 100	0.23 23	-0.06 107	0.25 105	-0.06 9	1.90 112	1.41 22	4.26 39	1.31 94	12 98	1
8	2023 24 0010 111918975	18.09	2023 22 0009 2023 22 0005	107	107	0.04 21	0.23 100	0.23 17	-0.06 107	0.25 105	-0.06 7	1.90 112	1.41 16	5.19 23	1.00 93	8 99	0
9	2023 24 0008 111918967	2.80	2023 22 0009 2023 18 0183	107	109	-0.32 15	0.15 96	0.15 12	-0.01 105	-0.01 100	-0.28 5	1.80 112	0.92 12	-4.59 14	2.33 106	6 96	0
10	2023 22 0005 98948581	2.79	1502 20 0100 2023 21 0016	107	107	0.04 30	0.23 100	0.23 23	-0.06 107	0.25 105	-0.06 9	1.90 112	1.41 22	7.15 40	0.36 91	12 101	1
11	2023 24 0006 111918942	2.79	2023 22 0009 2023 21 0014	106	109	-0.32 15	0.15 96	0.15 12	-0.01 105	-0.01 100	-0.28 5	1.80 112	0.92 12	0.94 15	0.52 99	6 101	0
12	2023 24 0025 111919361	2.71	2023 22 0009 2023 22 0011	106	109	-0.32 15	0.15 96	0.15 12	-0.01 105	-0.01 100	-0.28 5	1.80 112	0.92 12	1.43 12	0.35 98	6 101	0
13	2023 24 0014 111919031	27.09	2023 22 0009 2023 21 0005	106	108	-0.32 15	0.15 96	0.15 12	-0.01 105	-0.01 100	-0.28 5	1.80 112	0.92 12	1.94 15	0.19 97	6 101	0
14	2023 24 0017 111919049	2.80	2023 22 0009 2023 18 0145	106	108	-0.32 15	0.15 96	0.15 12	-0.01 105	-0.01 100	-0.28 5	1.80 112	0.92 12	1.94 15	0.19 97	6 101	0
15	2023 23 0018 98948607	2.79	2023 22 0001 2023 21 0014	101	101	-0.04 22	-0.03 99	-0.03 18	-0.05 100	-0.05 100	0.46 12	-0.10 12	-0.13 103	0.74 19	0.51 99	13 101	0

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

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Indices >=124
Above breed average
Indices <= 76

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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 Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	Phenotype	
Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
16	2023 24 0021 111919247	4.16	2023 22 0009 1520 20 0279	101	100	0.17 21	0.33 102	0.41 20	0.99 109	0.41 107	0.99 12	0.99 102	-1.30 10	-0.28 18	-1.99 23	5.07 13	5.07 88	0
17	2023 22 0002 98565914	7.35	762 19 0419 1562 20 0231	98	93	0.59 44	-0.13 106	-0.13 36	0.16 97	0.16 103	1.40 25	1.40 105	-1.90 23	-0.68 36	2.85 35	1.64 27	1.64 97	1
18	1520 20 0279 91097741	27.57	1590 16 0080 1520 19 0089	94	92	0.30 30	0.43 103	0.43 31	0.58 112	0.58 110	2.04 22	2.04 109	-4.50 18	-1.97 28	-7.23 39	8.50 23	8.50 79	2