



BOERBOK GENETIC REPORT

21 September 2026



S K BOER GOATS

FDM : 9102



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 :

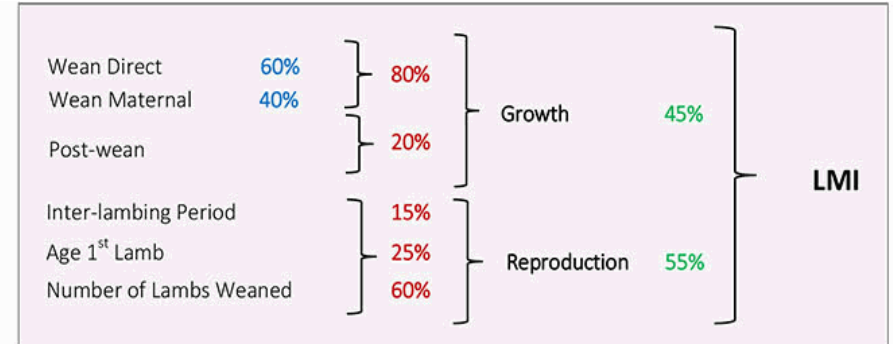
Logix Merit Index (LMI)

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	-0.50	-0.47	-0.52	-0.06	-0.01	-0.09
Weaning Weight Maternal	0.04	0.04	0.03	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.21	-0.20	-0.23	-0.06	-0.03	-0.07
Post-wean Weight	-0.08	0.03	-0.17	0.50	0.58	0.45
Number Lambs Weaned	-0.34	-0.68	-0.06	-0.36	-0.55	-0.26
Total Weight Weaned	-0.66	-0.84	-0.53	-0.31	-0.37	-0.27
Age at First Lambing	-1.08	-1.09	-1.07	-0.30	-0.22	-0.35
Inter-lambing Period	-0.78	-1.07	-0.57	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	99	99	100	101	100	101
Reproduction Index	104	103	104	102	101	102
Inbreeding						
Inbreeding (%)	3.22	3.55	2.98	5.54	5.93	5.34
Number of Animals						
Number of Animals	26	11	15	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	94.1	94.5	93.9
Weaning Weight Maternal	101.6	101.7	101.6
Weaning Weight Comb	96.6	96.9	96.4
Post-wean Weight	95.1	95.8	94.5
Number Lambs Weaned	101.8	100.2	103.1
Total Weight Weaned	98.7	97.7	99.5
Age First Lambing	101.1	101.2	101.1
Interlambing Period	104.0	104.8	103.4
Selection Indices			
Logix Merit Index	99.3	98.7	99.8
Ewe Index	103.7	103.2	104.2
Growth Index	94.8	95.4	94.3
Inbreeding			
Inbreeding (%)	3.22	3.55	2.98
Number of Animals			
Number of Animals	26	11	15

** 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

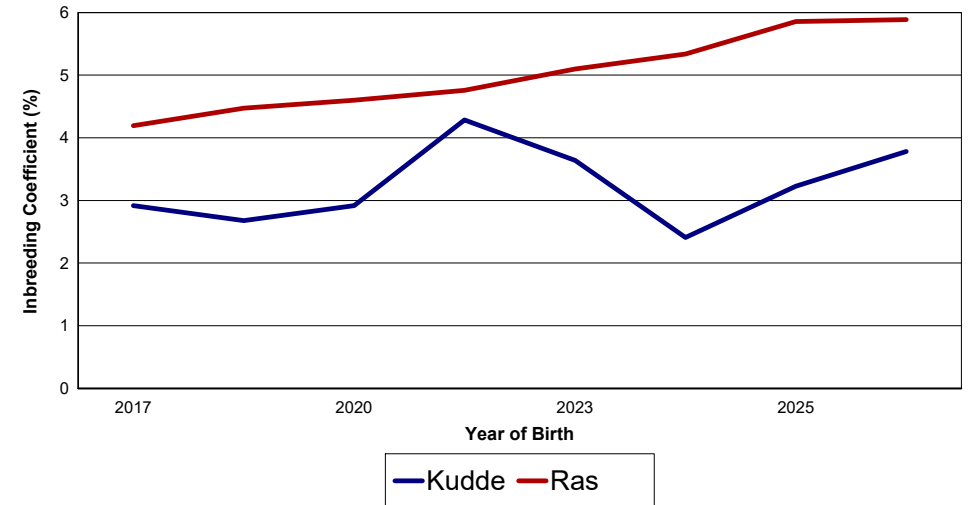
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2017 - 2026	3.78	0.10
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

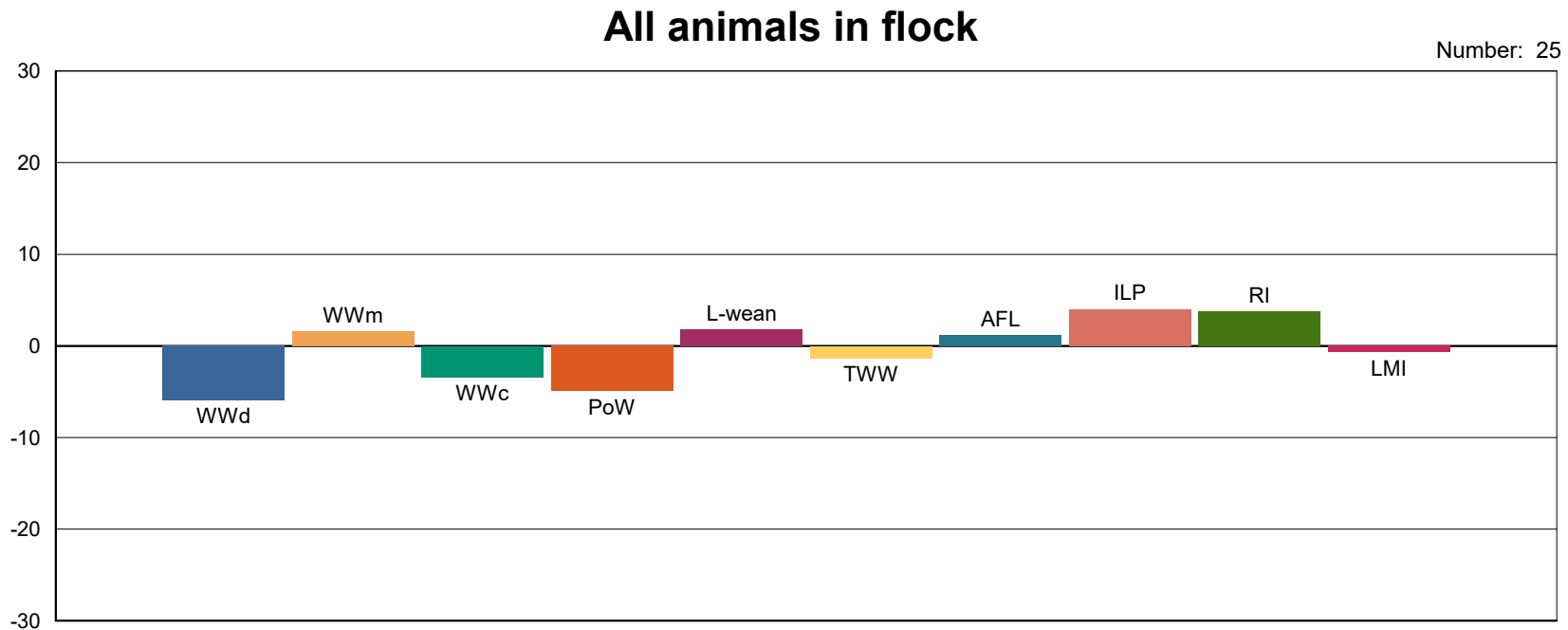


Pedigree Information

	Number	%
Known Sires	25	96
Known Dams	25	96

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

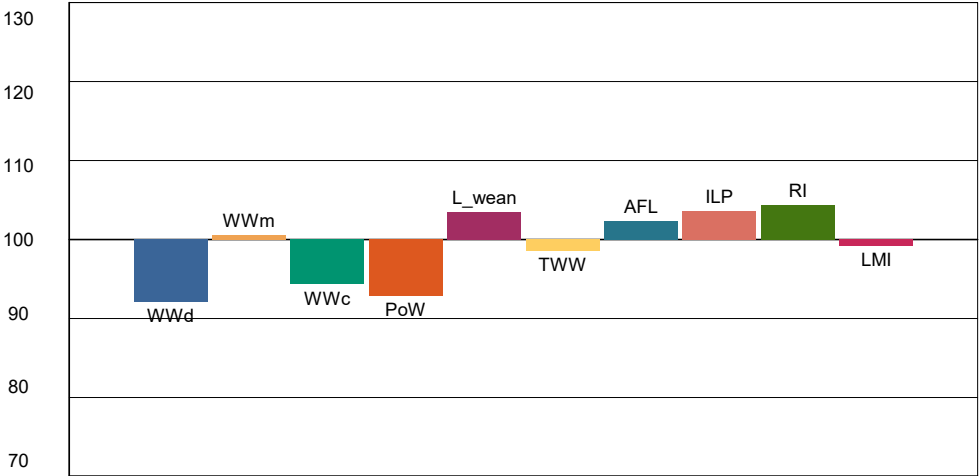
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

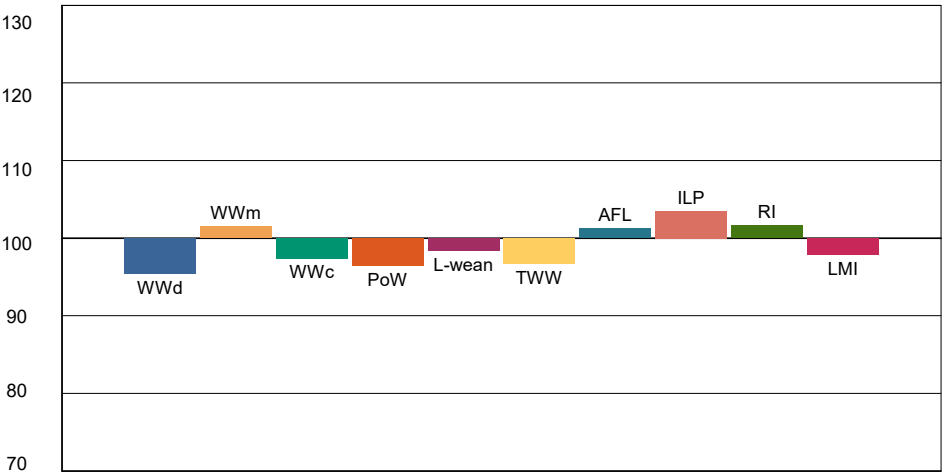
Dams

Number: 8



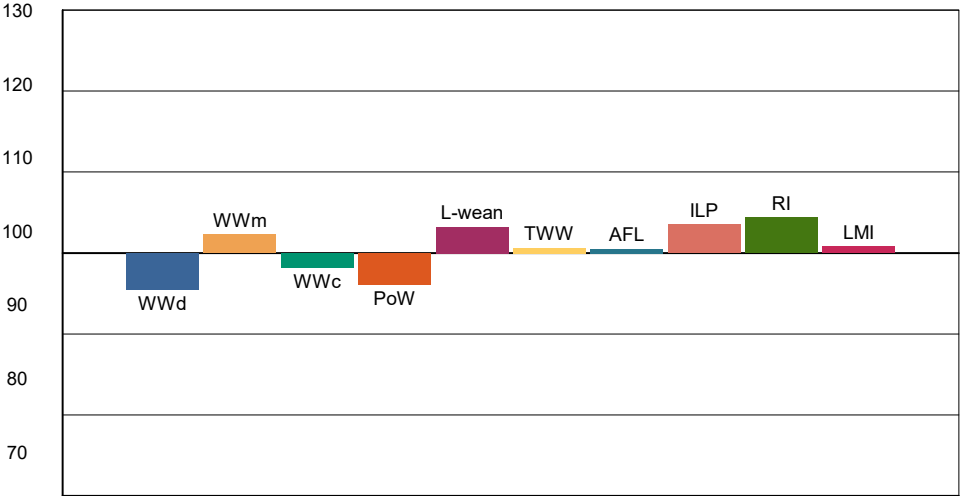
Sires

Number: 15



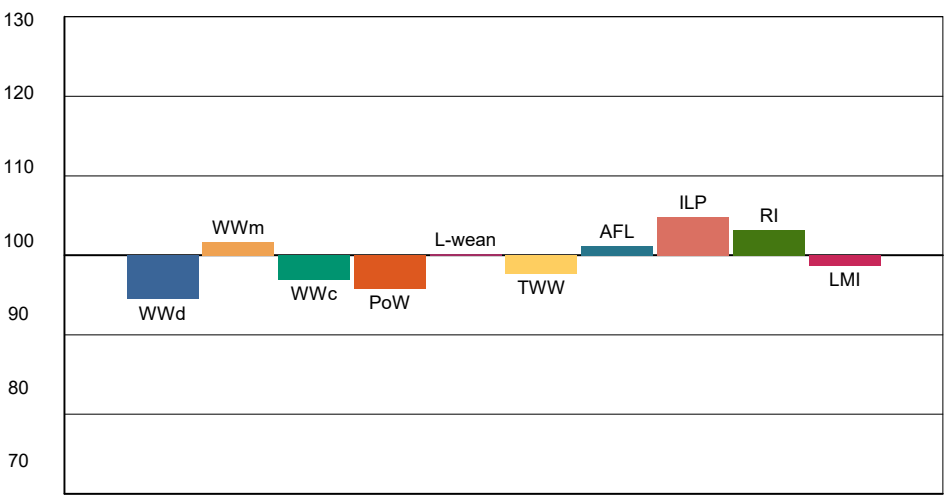
Young Ewes

Number: 8



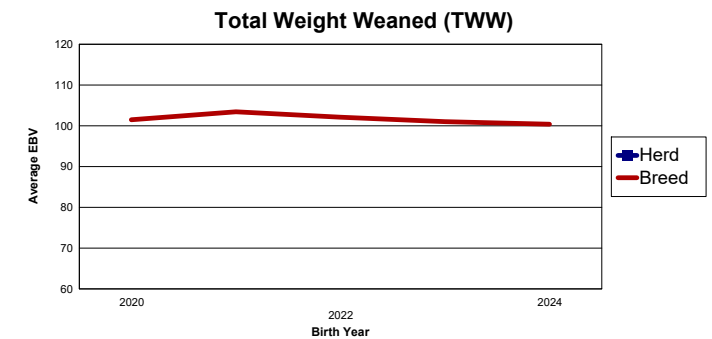
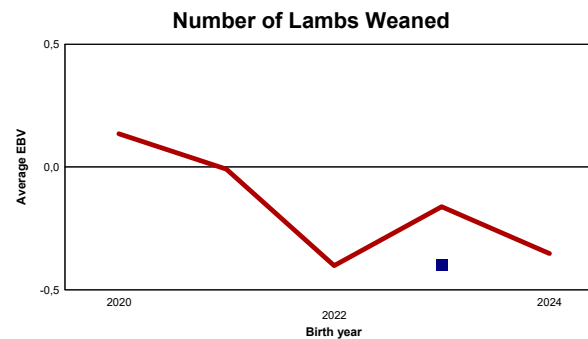
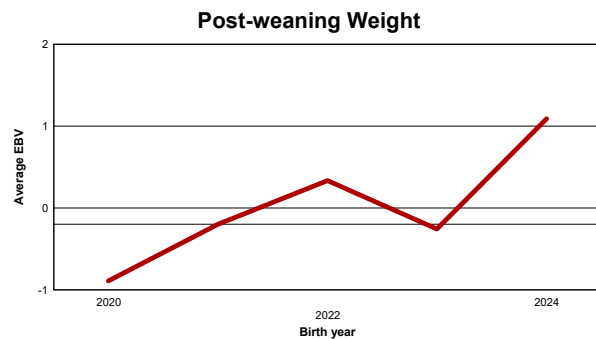
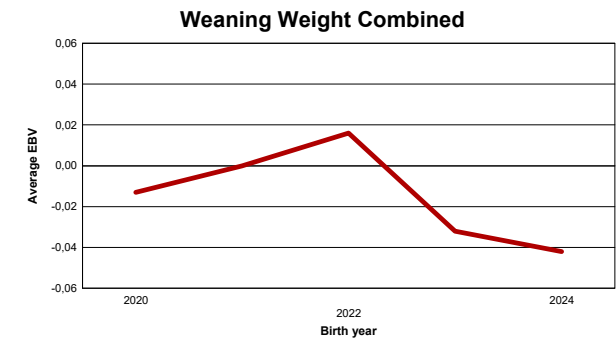
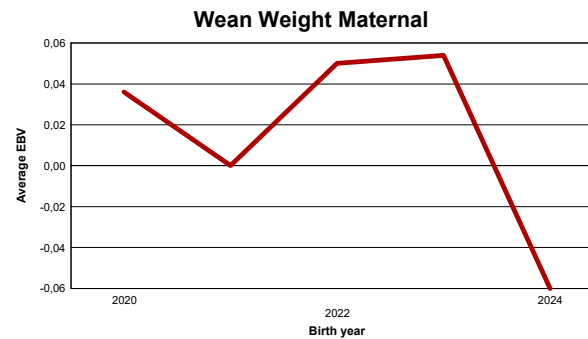
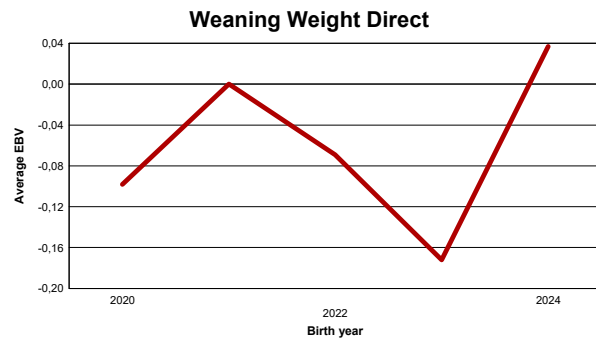
Young Rams

Number: 11



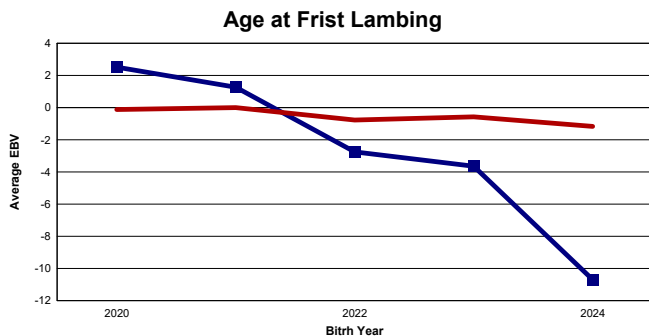
Genetic Trends

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

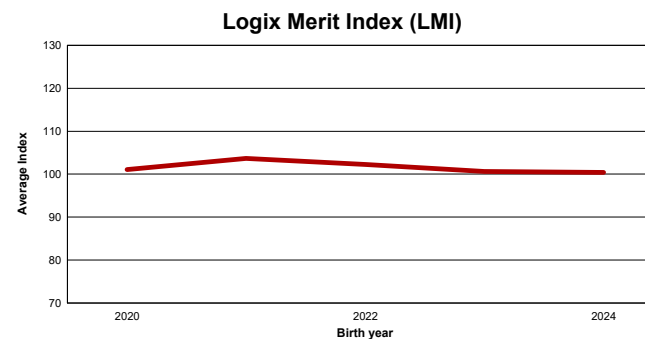
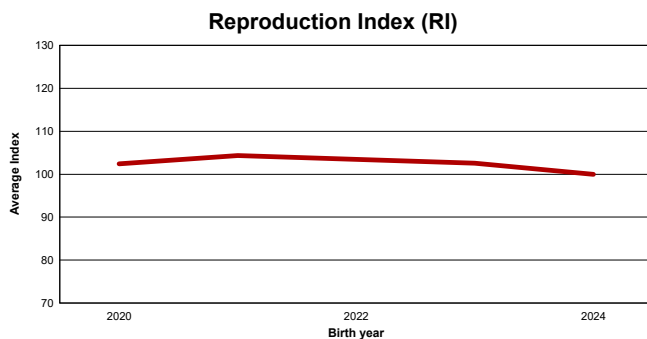
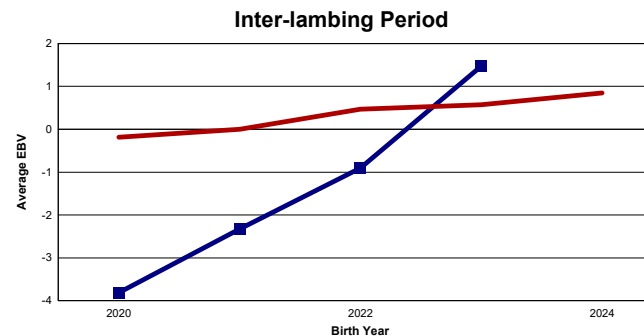


Genetic Trends

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	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
2020											1	2.52	1	-3.81				
2021											3	1.28	3	-2.32				
2022											7	-2.74	5	-0.91				
2023											6	-3.64	4	1.47				
2024											1	-10.69						

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			Parents		% In-breeding	Logix Merit Index	Reproduction	Wean Weight		Post-Wean	Number Weaned	TWW	AFL	ILP	Dam							
Comp no.								Dir	Mat	Comb												
								EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EPI Times Lambded							
Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15							
9102	23	0014	762	20	0036	8.11	93	97	-0.17	-0.02	-0.10	0.42	-2.80	-1.87	5.28	-4.04	5					
	99008468		959	19	0151				38	98	36	100	99	29	98	24		90	34	92	35	93
9102	23	0015	770	16	0153	1.91	102	106	-0.91	-0.11	-0.56	-0.76	1.60	-0.06	-12.36	5.50		5				
	99094575		1212	19	0037			10	90	9	98	91	5	91	5	111	8		102	26	116	15
9102	24	0001	1298	21	0508	2.74	107	113	-0.12	0.36	0.31	0.05	0.30	0.43	-0.89	-3.93		6				
	99273278		9102	20	0001			25	98	22	110	106	15	96	9	105	20		105	28	101	20
9102	24	0002	1298	21	0508	2.74	107	113	-0.12	0.36	0.31	0.05	0.30	0.43	-0.89	-3.93		6				
	99273286		9102	20	0001			25	98	22	110	106	15	96	9	105	20		105	28	101	20
9102	24	0004	1413	22	0001	1.83	103	105	-0.54	0.02	-0.25	0.31	0.40	-0.27	-10.69	4.20		5				
	101387728		1212	19	0037			29	94	25	101	96	19	98	12	105	24		101	30	113	20
9102	25	0001	762	17	0297	3.45	86	95	-1.11	-0.20	-0.75	-0.84	-2.90	-3.05	3.18	-3.14		6				
	107200248		9102	20	0001			32	87	31	96	87	25	90	24	90	30		85	31	96	22
9102	25	0003	762	17	0297	3.45	86	95	-1.11	-0.20	-0.75	-0.84	-2.90	-3.05	3.18	-3.14		6				
	107200263		9102	20	0001			32	87	31	96	87	25	90	24	90	30		85	31	96	22
9102	25	0008	1413	22	0382	3.66	102	104	0.04	0.23	0.25	1.27	-1.00	-0.33	4.36	-2.90		5				
	109796920		959	19	0151			27	100	24	107	105	22	104	15	99	23		101	27	94	17
9102	25	0013	9201	23	0002	3.25	99	102	-0.69	-0.11	-0.46	-0.44	0.20	-0.68	-4.12	1.60		2				
	110975257		9102	23	0009			19	92	15	98	92	6	93	9	104	15		99	20	105	12
9102	25	0015	9201	23	0002	3.25	99	102	-0.69	-0.11	-0.46	-0.44	0.20	-0.68	-4.12	1.60		2				
	110975273		9102	23	0009			19	92	15	98	92	6	93	9	104	15		99	20	105	12
9102	26	0002	9114	22	0003	4.65	103	104	0.27	0.16	0.30	1.51	-0.90	-0.10	5.06	-3.53		5				
	113727549		959	19	0151			28	103	26	105	106	23	106	16	99	24		102	30	93	19
Ram Flock Average:						99	103	-0.47	0.04	-0.20	0.03	-0.68	-0.84	-1.09	-1.07							
Number of rams in the flock: 11																						

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	EBV Index	EBV Acc	EBV Index	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV 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						
1413 19 0002 86271293	762 18 0149 1413 15 0013	2.89	95	101	-0.65 30 92	-0.06 29 99	-0.38 94	-0.70 15 91	-1.10 21 98	-1.37 28 95	3.23 28 96	-2.70 22 109	4							
1212 19 0037 90609835	770 15 0189 1212 12 0089	1.80	99	103	-1.15 20 87	-0.29 19 94	-0.87 85	-1.03 5 89	1.60 5 111	-0.48 16 100	-9.18 39 111	4.12 24 91	5							
959 19 0151 84612282	762 16 0336 959 14 0063	3.35	101	107	-0.12 48 98	0.34 44 109	0.28 105	1.18 42 103	-1.50 29 96	-0.68 42 99	4.03 45 95	-5.17 28 116	5							
9102 20 0001 94018041	959 17 0018 1432 17 0140	2.92	98	109	-1.01 24 88	0.21 22 106	-0.30 95	-1.47 16 86	0.20 14 104	-0.69 21 99	2.52 24 97	-3.81 15 112	6							
9102 23 0003 95761219	493 18 0092 1212 19 0037	1.75	97	98	-0.54 18 94	-0.36 16 92	-0.62 90	-0.08 5 95	-0.40 5 102	-1.13 14 96	-9.97 31 112	3.68 19 92	2							
9102 23 0009 98331390	762 21 0770 1413 19 0002	5.04	100	106	-0.83 35 90	0.14 27 104	-0.28 96	-0.80 11 90	0.60 16 106	-0.33 28 101	-1.59 29 102	0.86 21 100	2							
9102 24 0003 101387710	1413 22 0001 1212 19 0037	1.83	103	105	-0.54 29 94	0.02 25 101	-0.25 96	0.31 19 98	0.40 12 105	-0.27 24 101	-10.69 30 113	4.20 20 90	1							
9102 24 0009 107200206	762 20 0036 1432 17 0140	2.92	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 29 96	-1.93 21 107	0							
9102 25 0009 109796946	1413 22 0382 1432 17 0140	2.92	103	105	-0.23 12 97	0.10 10 103	-0.02 100	0.43 8 98	0.50 5 106	0.17 9 104	2.16 18 97	-0.79 10 104	0							
9102 25 0011 109796979	1413 22 0382 9102 23 0003	2.57	100	100	-0.16 15 98	-0.12 12 98	-0.20 97	0.64 8 100	-0.50 5 101	-0.58 12 99	-2.64 21 103	1.52 13 98	0							
9102 25 0014 110975265	9201 23 0002 9102 23 0009	3.25	99	102	-0.69 19 92	-0.11 15 98	-0.46 92	-0.44 6 93	0.20 9 104	-0.68 15 99	-4.12 20 105	1.60 12 98	0							
9102 26 0003 113729735	9114 22 0003 959 19 0151	4.65	103	104	0.27 28 103	0.16 26 105	0.30 106	1.51 23 106	-0.90 16 99	-0.10 24 102	5.06 30 93	-3.53 19 112	0							
9102 26 0004 113727556	9192 23 0002 1432 17 0140	2.92	103	111	-0.60 13 93	0.29 12 108	-0.01 100	-0.74 8 91	0.60 7 106	0.05 11 103	1.24 17 98	-2.83 9 110	0							
9102 26 0005 113727531	9192 23 0002 1432 17 0140	2.92	103	111	-0.60 13 93	0.29 12 108	-0.01 100	-0.74 8 91	0.60 7 106	0.05 11 103	1.24 17 98	-2.83 9 110	0							
	Ewe flock average: Total ewes in flock: 14				100	104	-0.52	0.03	-0.23	-0.17	-0.06	-0.53	-1.07	-0.57						

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information		Parents & Progeny				Selection Indices		EBV - Weights				EBV - Fertility						
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation		2nd Generation		Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam	
			Progeny Number	Herds	Progeny Number	Herds			Dir	Mat	Comb							EBV
			y		Weaned	Herds			Acc Index	Acc Index	EBV Index	Acc Index	Acc Index	Acc Index	Acc Index	Acc Index	Lambbed	
		Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1	770 15 0189 82168022	2.23	770 09 0185 770 13 0213		2	1	94	96	-1.58 40	-0.59 37	-1.38 77	-1.53 8	1.60 6	-1.21 31	-9.77 71	7.87 46	1	
2	770 16 0153 79057055	2.25	770 14 0133 770 09 0375				106	108	-0.67 5	0.08 5	-0.26 96	-0.49 5	1.60 5		-15.53 35	6.87 19	1	
3	762 16 0336 79103966	10.43	762 15 0032 762 14 0292	80	4	29	5	104	111	0.15 93	0.75 84	0.82 114	2.35 84	-2.00 58	-0.31 81	11.31 79	-8.55 51	97
4	959 17 0018 80498777	2.28	762 14 0450 959 11 0536				93	108	-1.35 48	0.33 44	-0.34 94	-2.45 32	-1.20 28	-1.74 42	5.42 44	-6.67 31	5	
5	762 17 0297 80899933	5.59	762 15 0272 762 13 0121				75	81	-1.21 59	-0.60 59	-1.20 80	-0.20 48	-5.90 46	-5.35 56	3.83 56	-2.47 42	8	
6	493 18 0092 84268374	2.51	762 13 0367 493 13 0166		1	1	95	91	0.08 29	-0.42 25	-0.38 94	0.87 9	-2.40 9	-1.78 23	-11.86 48	5.15 21	1	
7	762 18 0149 82066135	6.28	762 15 0495 762 16 0521				85	93	-0.63 60	-0.20 57	-0.51 92	-0.92 30	-3.90 43	-3.16 55	7.67 56	-5.90 43	11	
8	762 20 0036 86887445	6.55	762 18 0157 762 14 0084				85	88	-0.22 58	-0.38 56	-0.49 92	-0.34 39	-4.00 37	-3.00 52	6.52 55	-2.92 42	9	
9	1298 21 0508 93337301	2.43	430 18 0050 1398 15 0133				115	117	0.78 45	0.52 39	0.91 116	1.57 25	0.40 11	1.54 35	-4.30 51	-4.04 36	4	
10	762 21 0770 93676062	6.01	762 19 0246 762 17 0526				106	113	-1.01 62	0.33 46	-0.17 97	-0.90 16	2.30 25	0.71 47	-5.31 51	2.50 30	8	
11	1413 22 0001 94970985	6.38	762 18 0648 959 20 0082				106	106	0.08 55	0.33 45	0.37 107	1.64 38	-0.90 23	-0.13 44	-12.20 46	4.27 31	4	
12	9114 22 0003 97522882	4.12	1298 19 0040 1298 19 0028				105	101	0.67 30	-0.02 27	0.32 106	1.84 19	-0.30 15	0.47 25	6.10 40	-1.88 26	3	
13	1413 22 0382 94970944	5.15	1298 19 0242 1298 20 0340				102	102	0.21 24	0.12 19	0.22 104	1.35 15	-0.60 8	-0.03 18	4.69 29	-0.63 19	2	

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
		Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
14 9201 23 0002 107776403	2.46	493 18 0092 9102 21 0002				97	98	-0.55 17 94	-0.36 15 92	-0.64 89	-0.08 5 95	-0.30 5 102	-1.09 13 96	-6.65 27 108	2.33 13 95	2
15 9192 23 0002 109693440	2.92	959 17 0020 9176 21 0004				102	112	-0.53 25 94	0.51 24 114	0.25 105	-0.98 17 89	-0.40 14 102	-0.26 22 101	2.86 27 96	-4.71 18 115	5
		Sire Flock Average: Number of sires used in the flock: 15				98	102	-0.39	0.03	-0.17	0.12	-1.07	-1.00	-1.15	-0.59	

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 Weaned	Progeny Number Weaned			Dir	Mat							
			Acc Index	Acc Index			EBV Acc 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	9102 24 0001 99273278	2.74	298 21 0508 1102 20 0001		107	113	-0.12 25 98	0.36 22 110	0.31 106	0.05 15 96	0.30 9 105	0.43 20 105	-0.89 28 101	-3.93 20 113	6
2	9102 24 0002 99273286	2.74	298 21 0508 1102 20 0001		107	113	-0.12 25 98	0.36 22 110	0.31 106	0.05 15 96	0.30 9 105	0.43 20 105	-0.89 28 101	-3.93 20 113	6
3	9102 26 0002 113727549	4.65	1114 22 0003 959 19 0151		103	104	0.27 28 103	0.16 26 105	0.30 106	1.51 23 106	-0.90 16 99	-0.10 24 102	5.06 30 93	-3.53 19 112	5
4	9102 24 0004 101387728	1.83	413 22 0001 212 19 0037		103	105	-0.54 29 94	0.02 25 101	-0.25 96	0.31 19 98	0.40 12 105	-0.27 24 101	-10.69 30 113	4.20 20 90	5
5	9102 23 0015 99094575	1.91	770 16 0153 212 19 0037		102	106	-0.91 10 90	-0.11 9 98	-0.56 91	-0.76 5 91	1.60 5 111	-0.06 8 102	-12.36 26 116	5.50 15 87	5
6	9102 25 0008 109796920	3.66	413 22 0382 959 19 0151		102	104	0.04 27 100	0.23 24 107	0.25 105	1.27 22 104	-1.00 15 99	-0.33 23 101	4.36 27 94	-2.90 17 110	5
7	9102 25 0015 110975273	3.25	1201 23 0002 1102 23 0009		99	102	-0.69 19 92	-0.11 15 98	-0.46 92	-0.44 6 93	0.20 9 104	-0.68 15 99	-4.12 20 105	1.60 12 98	2
8	9102 25 0013 110975257	3.25	1201 23 0002 1102 23 0009		99	102	-0.69 19 92	-0.11 15 98	-0.46 92	-0.44 6 93	0.20 9 104	-0.68 15 99	-4.12 20 105	1.60 12 98	2
9	9102 23 0014 99008468	8.11	762 20 0036 959 19 0151		93	97	-0.17 38 98	-0.02 36 100	-0.10 99	0.42 29 98	-2.80 24 90	-1.87 34 92	5.28 35 93	-4.04 25 113	5
10	9102 25 0001 107200248	3.45	762 17 0297 1102 20 0001		86	95	-1.11 32 87	-0.20 31 96	-0.75 87	-0.84 25 90	-2.90 24 90	-3.05 30 85	3.18 31 96	-3.14 22 111	6
11	9102 25 0003 107200263	3.45	762 17 0297 1102 20 0001		86	95	-1.11 32 87	-0.20 31 96	-0.75 87	-0.84 25 90	-2.90 24 90	-3.05 30 85	3.18 31 96	-3.14 22 111	6

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 Lambed
					Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index	EBV Acc 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	9102 26 0003 113729735	4.65	9114 22 0003 959 19 0151	103	104	0.27 28 103	0.16 26 105	0.30 106	1.51 23 106	-0.90 16 99	-0.10 24 102	5.06 30 93	-3.53 19 112			0
2	9102 25 0009 109796946	2.92	1413 22 0382 1432 17 0140	103	105	-0.23 12 97	0.10 10 103	-0.02 100	0.43 8 98	0.50 5 106	0.17 9 104	2.16 18 97	-0.79 10 104			0
3	9102 26 0005 113727531	2.92	9192 23 0002 1432 17 0140	103	111	-0.60 13 93	0.29 12 108	-0.01 100	-0.74 8 91	0.60 7 106	0.05 11 103	1.24 17 98	-2.83 9 110			0
4	9102 24 0003 101387710	1.83	1413 22 0001 1212 19 0037	103	105	-0.54 29 94	0.02 25 101	-0.25 96	0.31 19 98	0.40 12 105	-0.27 24 101	-10.69 30 113	4.20 20 90			1
5	9102 26 0004 113727556	2.92	9192 23 0002 1432 17 0140	103	111	-0.60 13 93	0.29 12 108	-0.01 100	-0.74 8 91	0.60 7 106	0.05 11 103	1.24 17 98	-2.83 9 110			0
6	959 19 0151 84612282	3.35	762 16 0336 959 14 0063	101	107	-0.12 48 98	0.34 44 109	0.28 105	1.18 42 103	-1.50 29 96	-0.68 42 99	4.03 45 95	-5.17 28 116			5
7	9102 23 0009 98331390	5.04	762 21 0770 1413 19 0002	100	106	-0.83 35 90	0.14 27 104	-0.28 96	-0.80 11 90	0.60 16 106	-0.33 28 101	-1.59 29 102	0.86 21 100			2
8	9102 25 0011 109796979	2.57	1413 22 0382 9102 23 0003	100	100	-0.16 15 98	-0.12 12 98	-0.20 97	0.64 8 100	-0.50 5 101	-0.58 12 99	-2.64 21 103	1.52 13 98			0
9	1212 19 0037 90609835	1.80	770 15 0189 1212 12 0089	99	103	-1.15 20 87	-0.29 19 94	-0.87 85	-1.03 5 89	1.60 5 111	-0.48 16 100	-9.18 39 111	4.12 24 91			5
10	9102 25 0014 110975265	3.25	9201 23 0002 9102 23 0009	99	102	-0.69 19 92	-0.11 15 98	-0.46 92	-0.44 6 93	0.20 9 104	-0.68 15 99	-4.12 20 105	1.60 12 98			0
11	9102 20 0001 94018041	2.92	959 17 0018 1432 17 0140	98	109	-1.01 24 88	0.21 22 106	-0.30 95	-1.47 16 86	0.20 14 104	-0.69 21 99	2.52 24 97	-3.81 15 112			6
12	9102 23 0003 95761219	1.75	493 18 0092 1212 19 0037	97	98	-0.54 18 94	-0.36 16 92	-0.62 90	-0.08 5 95	-0.40 5 102	-1.13 14 96	-9.97 31 112	3.68 19 92			2
13	9102 24 0009 107200206	2.92	762 20 0036 1432 17 0140	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 29 96	-1.93 21 107			0
14	1413 19 0002 86271293	2.89	762 18 0149 1413 15 0013	95	101	-0.65 30 92	-0.06 29 99	-0.38 94	-0.70 15 91	-1.10 21 98	-1.37 28 95	3.23 28 96	-2.70 22 109			4