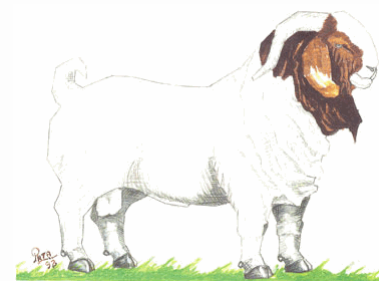




BOERBOK GENETIC REPORT

21 September 2026



SARASWATI AGRO FARM

FDM : 9172



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 :

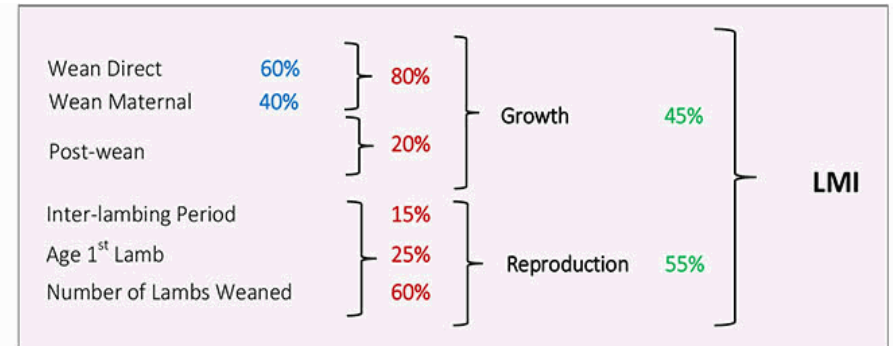
Logix Merit Index (LMI)

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	-0.55	-0.56	-0.54	-0.06	-0.01	-0.09
Weaning Weight Maternal	0.12	0.09	0.14	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.16	-0.18	-0.13	-0.06	-0.03	-0.07
Post-wean Weight	-0.43	-0.41	-0.45	0.50	0.58	0.45
Number Lambs Weaned	-1.06	-1.07	-1.05	-0.36	-0.55	-0.26
Total Weight Weaned	-1.07	-1.10	-1.03	-0.31	-0.37	-0.27
Age at First Lambing	-4.07	-5.56	-2.78	-0.30	-0.22	-0.35
Inter-lambing Period	0.62	1.27	0.05	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	98	98	98	101	100	101
Reproduction Index	103	103	103	102	101	102
Inbreeding						
Inbreeding (%)	3.73	3.34	4.07	5.54	5.93	5.34
Number of Animals						
Number of Animals	28	13	15	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	93.5	93.5	93.6
Weaning Weight Maternal	103.7	103.1	104.3
Weaning Weight Comb	97.6	97.1	98.0
Post-wean Weight	92.8	93.0	92.7
Number Lambs Weaned	98.4	98.3	98.4
Total Weight Weaned	96.3	96.1	96.5
Age First Lambing	104.9	106.8	103.3
Interlambing Period	100.2	98.4	101.7
Selection Indices			
Logix Merit Index	97.5	97.6	97.5
Ewe Index	103.0	102.7	103.3
Growth Index	93.3	93.3	93.3
Inbreeding			
Inbreeding (%)	3.73	3.34	4.07
Number of Animals			
Number of Animals	28	13	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

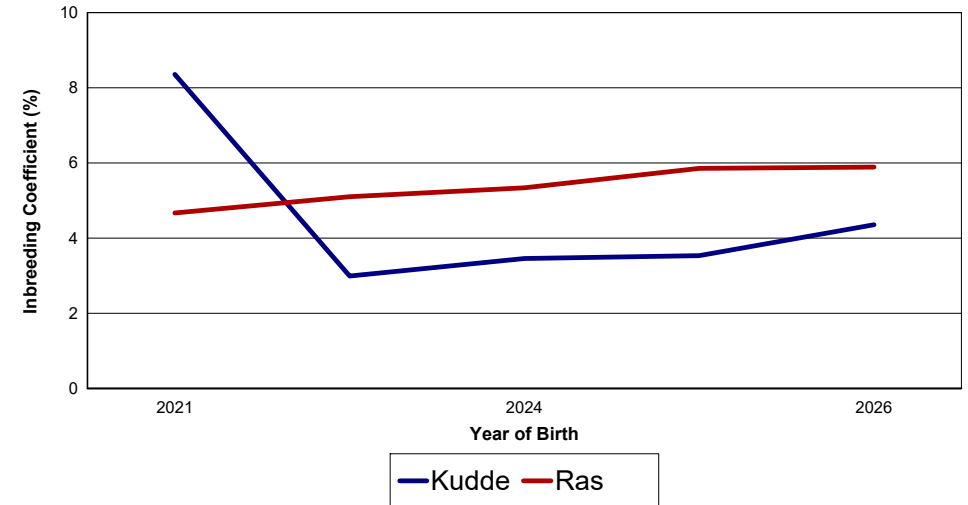
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2021 - 2026	4.35	-0.80
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

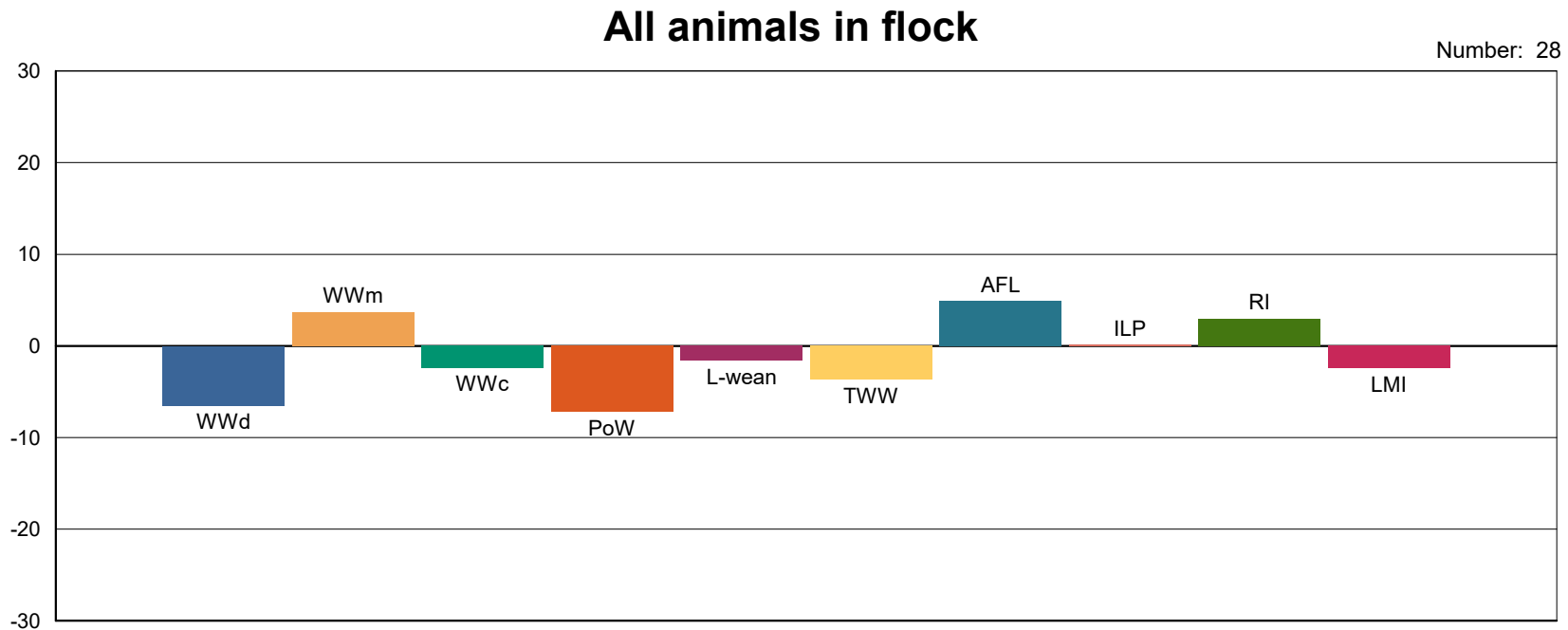


Pedigree Information

	Number	%
Known Sires	28	100
Known Dams	28	100

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

Genetic Windows



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

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

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

Genetic Windows

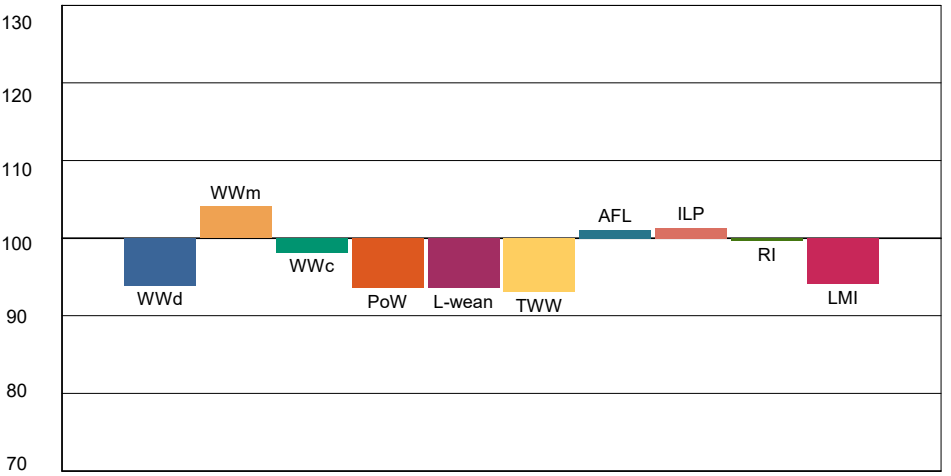
Dams

Number: 10



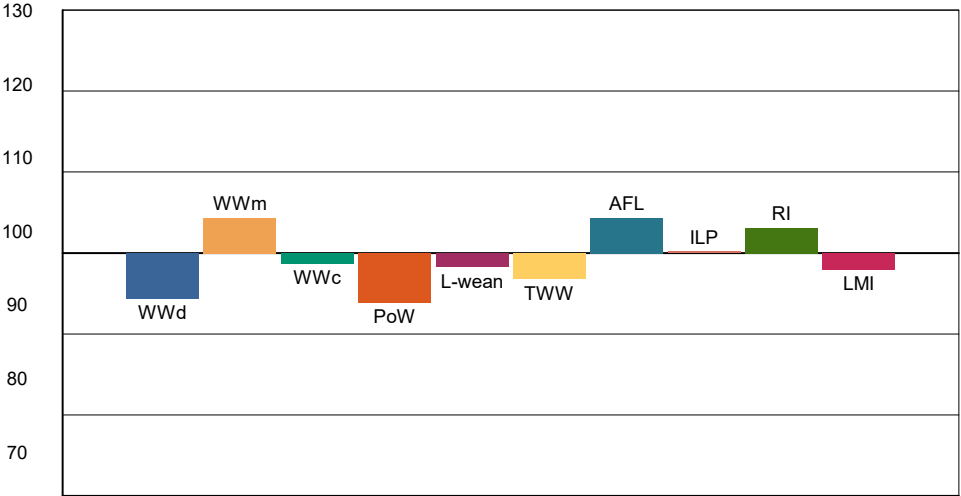
Sires

Number: 11



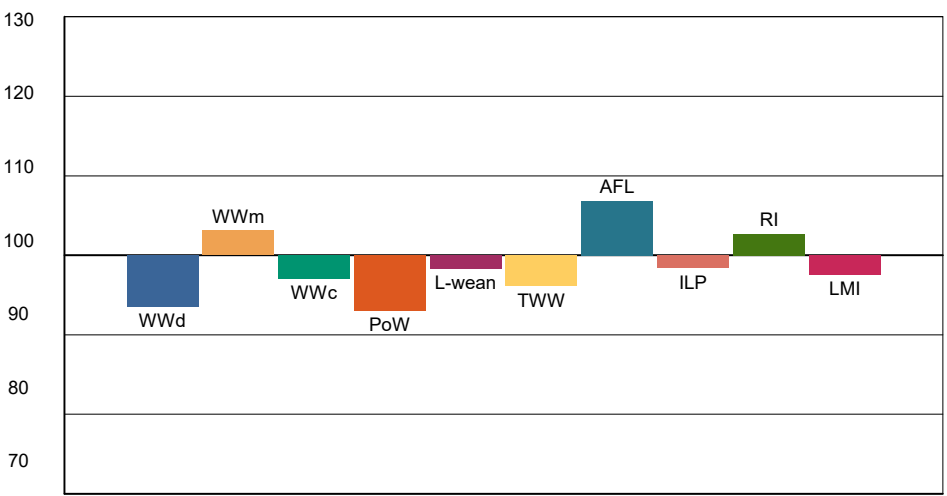
Young Ewes

Number: 10



Young Rams

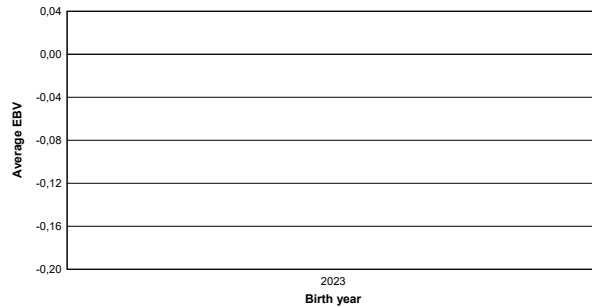
Number: 13



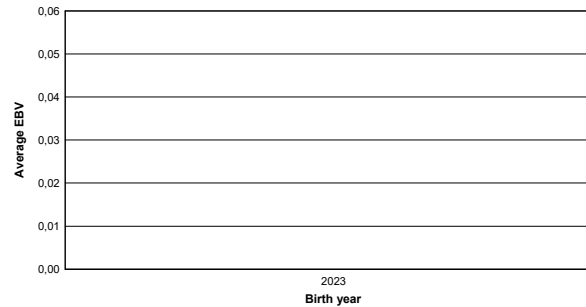
Genetic Trends

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

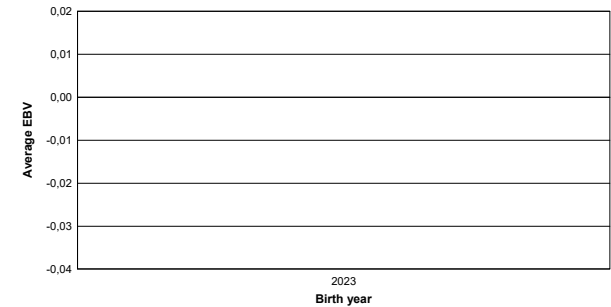
Weaning Weight Direct



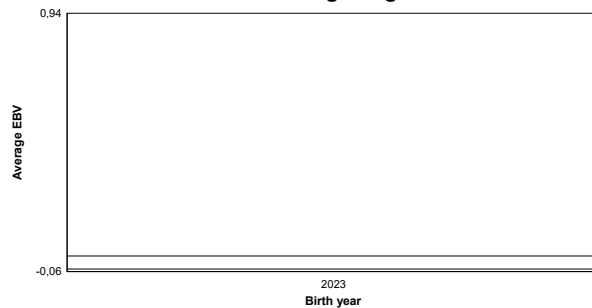
Wean Weight Maternal



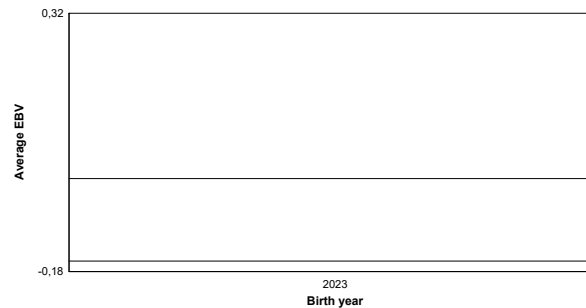
Weaning Weight Combined



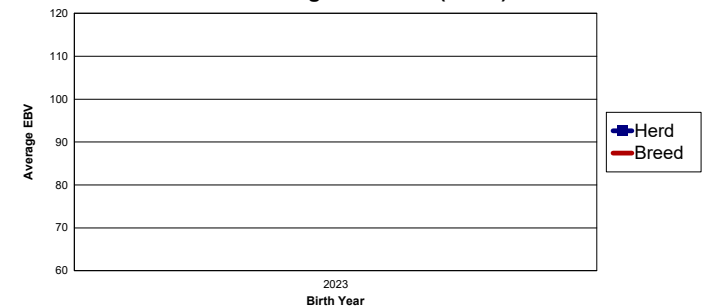
Post-weaning Weight



Number of Lambs Weaned

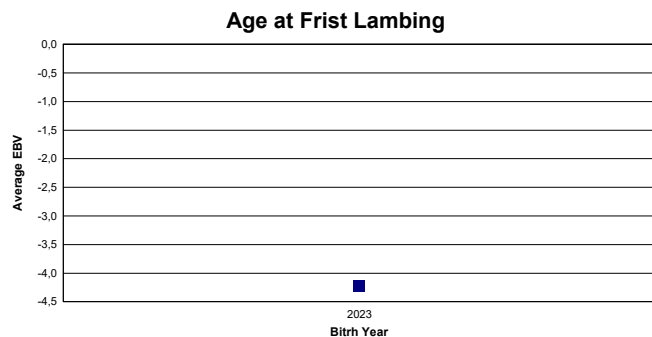


Total Weight Weaned (TWW)

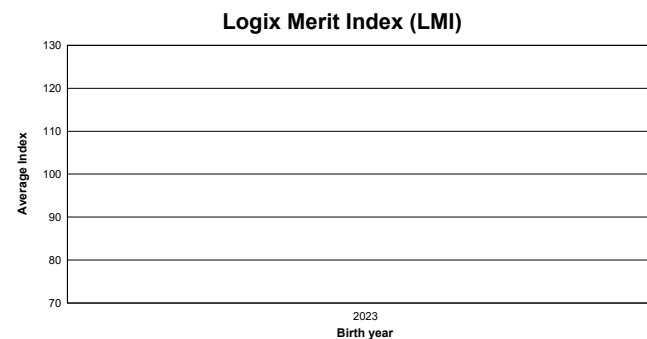
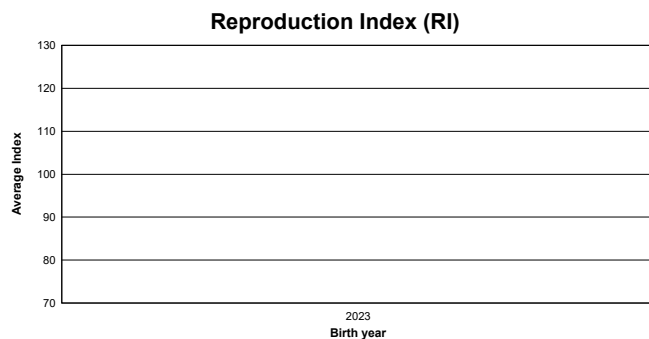
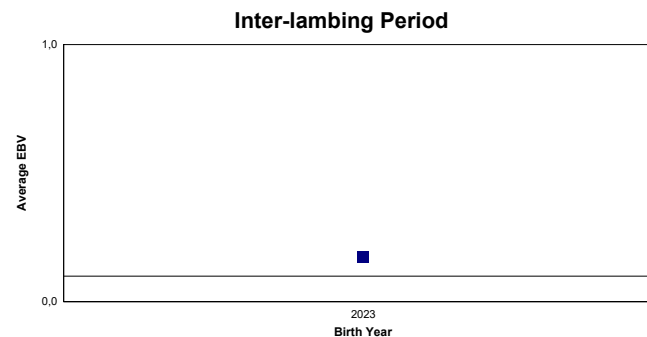


Genetic Trends

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
2023											1	-4.22	1	0.18				

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	EBV Index	Acc	EBV Index	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			
9102	23	0012	762	21	0770	2.92	105	111	-0.84	0.20	-0.22	-0.70	2.00	0.57	-2.84	0.78		
	99094559		1432	17	0140				31	90	23	106	13	113	24	106	15	100
9108	23	0075	9108	21	0035	2.92	103	106	-0.58	-0.03	-0.32	-0.39	0.60	-0.24	-17.22	5.67		
	98331374		1432	17	0197				6	93	6	100	5	106	5	101	30	122
9102	24	0010	762	20	0036	2.92	95	98	-0.45	-0.15	-0.37	-0.42	-1.20	-1.32	3.07	-1.93		
	107200214		1432	17	0140				29	95	28	97	18	98	26	95	29	96
9108	24	0020	9108	21	0035	2.61	98	98	-0.31	-0.31	-0.47	0.19	-1.50	-1.53	-21.26	6.97		
	100166842		9108	22	0049				15	96	14	93	7	96	13	94	37	127
9108	24	0084	9108	22	0085	4.49	91	98	-0.60	0.19	-0.11	-0.46	-3.60	-2.57	-3.74	-0.10		
	107200610		9108	19	0029				24	93	23	106	16	86	22	88	35	105
9172	25	0003	9145	24	0001	3.70	104	108	0.06	0.36	0.39	0.25	-0.20	0.30	1.16	-1.80		
	110047115		9183	23	0002				24	100	20	110	11	102	19	104	24	98
9172	25	0005	9114	22	0004	3.84	93	99	-0.66	0.24	-0.09	-0.44	-2.40	-1.86	-5.29	3.34		
	110047131		9172	23	0013				23	92	18	107	9	92	18	92	23	107
9172	25	0006	9114	22	0004	3.84	93	99	-0.66	0.24	-0.09	-0.44	-2.40	-1.86	-5.29	3.34		
	110047149		9172	23	0013				23	92	18	107	9	92	18	92	23	107
9172	25	0007	9108	23	0075	2.71	93	102	-0.93	0.15	-0.31	-1.30	-1.50	-1.68	2.64	-2.55		
	110719234		9108	21	0041				19	89	18	105	11	96	17	93	24	96
9172	25	0009	9107	21	0002	2.75	97	103	-0.67	0.05	-0.28	-0.49	-1.10	-1.28	-4.86	0.18		
	111475968		9108	23	0041				17	92	17	102	12	98	16	95	24	106
9172	25	0010	9107	21	0002	2.75	97	103	-0.67	0.05	-0.28	-0.49	-1.10	-1.28	-4.86	0.18		
	111475976		9108	23	0041				17	92	17	102	12	98	16	95	24	106
9172	26	0001	9108	23	0075	2.73	108	109	-0.18	0.07	-0.02	0.25	1.30	0.68	-9.86	2.41		
	112952502		9183	23	0002				19	98	15	103	8	110	15	106	24	112

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	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	EPI	Times Lambd
Active Breed Average:							100	100		-0.06	-0.02	-0.06	0.50		-0.36	-0.31	-0.30	0.15					
9172 26 0004 112952536			9108 24 0084 9172 23 0013			5.19	92	100		-0.74 16 91	0.15 15 104	-0.23 96	-0.85 10 90		-2.80 10 90	-2.28 14 89	-3.98 25 105	0.04 13 102	3				
Ram Flock Average: Number of rams in the flock: 13							98	103		-0.56	0.09	-0.18	-0.41		-1.07	-1.10	-5.56	1.27					

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	
							Dir	Mat	Comb										
							EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index		EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	Phenotype			
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15					
9108 21 0041 95411732	762 16 0523 762 17 0256	8.36	83	99	-1.28 38 85	0.34 36 109	-0.31 95	-2.20 20 81	-3.60 23 86	-3.11 34 85	22.50 39 71	-10.77 26 132	4						
9183 23 0002 99094997	762 21 0770 1298 20 0489	2.58	112	112	0.22 38 102	0.18 30 105	0.29 105	0.90 17 102	2.00 15 113	1.59 30 112	-2.50 38 103	-0.85 25 104	2						
9172 23 0013 97175392	9108 21 0035 9108 21 0041	2.51	93	101	-0.88 20 90	0.10 19 103	-0.34 94	-1.25 11 88	-2.00 12 94	-1.98 18 91	-4.22 34 105	0.18 19 101	3						
9108 23 0041 97522403	9108 21 0035 1332 17 0029	2.92	103	106	-0.58 6 93	-0.03 6 100	-0.32 95	-0.39 5 93	0.60 5 106	-0.24 5 101	-17.21 31 122	5.98 15 85	2						
9172 24 0002 99095358	9108 21 0035 9108 21 0041	2.51	93	101	-0.88 20 90	0.10 19 103	-0.34 94	-1.25 11 88	-2.00 12 94	-1.98 18 91	-4.22 34 105	0.18 19 101	0						
9172 24 0003 107206039	762 21 0770 9172 23 0013	4.74	99	107	-0.94 33 89	0.22 25 106	-0.26 96	-1.07 10 89	0.20 14 104	-0.61 26 99	-4.77 31 106	1.34 18 98	0						
9172 25 0001 107771065	9108 22 0085 9108 23 0041	3.01	95	98	-0.51 14 94	-0.02 13 100	-0.28 96	-0.07 8 95	-2.00 8 94	-1.73 12 93	-9.50 30 112	3.42 12 93	0						
9155 25 0002 112191127	9114 22 0004 9101 23 0008	6.42	93	97	-0.39 27 95	0.17 23 105	-0.02 100	0.08 13 96	-2.80 12 90	-1.89 22 92	-2.65 22 103	2.48 16 95	0						
9172 25 0002 107771073	9108 22 0085 9108 23 0041	3.01	95	98	-0.51 14 94	-0.02 13 100	-0.28 96	-0.07 8 95	-2.00 8 94	-1.73 12 93	-9.50 30 112	3.42 12 93	0						
9172 25 0004 110047123	9145 24 0001 9183 23 0002	3.70	104	108	0.06 24 100	0.36 20 110	0.39 107	0.25 13 97	-0.20 11 102	0.30 19 104	1.16 24 98	-1.80 16 107	0						
9102 25 0007 109796888	1413 22 0382 9102 20 0001	3.13	100	105	-0.40 17 95	0.16 15 105	-0.04 100	-0.06 11 95	-0.20 8 102	-0.36 14 100	3.61 19 95	-2.22 12 108	0						
9172 26 0002 112952510	9108 23 0075 9183 23 0002	2.73	108	109	-0.18 19 98	0.07 15 103	-0.02 100	0.25 9 97	1.30 8 110	0.68 15 106	-9.86 24 112	2.41 15 95	0						
9172 26 0003 112952528	9108 23 0075 9183 23 0002	2.73	108	109	-0.18 19 98	0.07 15 103	-0.02 100	0.25 9 97	1.30 8 110	0.68 15 106	-9.86 24 112	2.41 15 95	0						
9172 26 0005 112952544	9108 24 0084 9172 23 0013	5.19	92	100	-0.74 16 91	0.15 15 104	-0.23 96	-0.85 10 90	-2.80 10 90	-2.28 14 89	-3.98 25 105	0.04 13 102	0						
9172 26 0008 113800270	9108 24 0084 9108 21 0041	7.55	87	98	-0.94 22 89	0.26 22 107	-0.21 97	-1.33 13 87	-3.60 14 86	-2.84 20 86	9.38 26 88	-5.43 16 117	0						

	Ewe flock average: Total ewes in flock: 15	98	103	-0.54	0.14	-0.13	-0.45	-1.05	-1.03	-2.78	0.05
--	---	----	-----	-------	------	-------	-------	-------	-------	-------	------

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 EBV Acc Index	TWW EBV Acc Index	AFL EBV Acc Index	ILP EBV Acc Index	Dam EPI Times Lambed		
			Progeny Number y Herds	Progeny Number Weaned Herds			Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index	EBV Acc Index							
		Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1	762 16 0523 79101358	5.09	762 14 0194 762 13 0419		79	95	-1.25 50 86	0.34 50 109	-0.29 95	-1.99 21 83	-4.50 34 82	-3.61 46 82	38.24 57 64	-14.22 37 136	103	5	
2	762 20 0036 86887445	6.55	762 18 0157 762 14 0084		85	88	-0.22 58 97	-0.38 56 91	-0.49 92	-0.34 39 93	-4.00 37 85	-3.00 52 85	6.52 55 92	-2.92 42 110	106	9	
3	9107 21 0002 95761417	6.06	762 17 0175 9108 20 0004		90	100	-0.76 33 91	0.13 33 104	-0.25 96	-0.58 26 92	-2.80 24 90	-2.31 31 89	7.49 37 90	-5.63 26 117		7	
4	9108 21 0035 95411716	2.03	770 16 0153 826 16 0075	1 1	102	102	-0.48 12 94	-0.13 12 97	-0.37 94	-0.30 6 94	-0.40 7 102	-0.85 11 98	-30.94 57 136	11.12 29 71		5	
5	762 21 0770 93676062	6.01	762 19 0246 762 17 0526		106	113	-1.01 62 88	0.33 46 109	-0.17 97	-0.90 16 90	2.30 25 114	0.71 47 107	-5.31 51 107	2.50 30 95	161	8	
6	9114 22 0004 97522890	4.06	762 17 0488 959 20 0082		94	97	-0.44 41 95	0.38 30 110	0.16 103	0.37 13 98	-2.80 12 90	-1.74 30 92	-6.36 30 108	6.50 20 84		4	
7	9108 22 0085 95946760	7.58	9108 19 0027 762 17 0204		87	91	-0.44 27 95	-0.02 25 100	-0.24 96	0.26 17 97	-4.60 16 82	-3.22 24 84	-1.79 52 102	0.85 19 100		5	
8	1413 22 0382 94970944	5.15	1298 19 0242 1298 20 0340		102	102	0.21 24 102	0.12 19 104	0.22 104	1.35 15 105	-0.60 8 101	-0.03 18 102	4.69 29 94	-0.63 19 104		2	
9	9108 23 0075 98331374	2.92	9108 21 0035 1432 17 0197		103	106	-0.58 6 93	-0.03 6 100	-0.32 95	-0.39 5 93	0.60 5 106	-0.24 5 101	-17.22 30 122	5.67 15 86		5	
10	9145 24 0001 99094617	3.57	959 17 0020 9145 21 0003		97	104	-0.10 30 99	0.54 28 114	0.49 109	-0.41 19 93	-2.50 17 92	-1.06 26 96	4.82 30 94	-2.75 20 109		4	
11	9108 24 0084 107200610	4.49	9108 22 0085 9108 19 0029		91	98	-0.60 24 93	0.19 23 106	-0.11 98	-0.46 17 93	-3.60 16 86	-2.57 22 88	-3.74 35 105	-0.10 19 102		5	
			Sire Flock Average: Number of sires used in the flock: 11				94	100	-0.51	0.13	-0.12	-0.31	-2.08	-1.63	-0.33	0.04	

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 EBV Acc Index	TWW EBV Acc Index	AFL EBV Acc Index	ILP EBV Acc Index	Dam EPI Times Lamb
			Progeny Number Weaned Herds	Progeny Number Weaned Herds			Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index						
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
1	9172 26 0001 112952502	2.73	1108 23 0075 1183 23 0002		108	109	-0.18 19 98	0.07 15 103	-0.02 100	0.25 9 97	1.30 8 110	0.68 15 106	-9.86 24 112	2.41 15 95	2
2	9102 23 0012 99094559	2.92	762 21 0770 432 17 0140		105	111	-0.84 31 90	0.20 23 106	-0.22 97	-0.70 8 91	2.00 13 113	0.57 24 106	-2.84 27 103	0.78 15 100	7
3	9172 25 0003 110047115	3.70	1145 24 0001 1183 23 0002		104	108	0.06 24 100	0.36 20 110	0.39 107	0.25 13 97	-0.20 11 102	0.30 19 104	1.16 24 98	-1.80 16 107	2
4	9108 23 0075 98331374	2.92	1108 21 0035 432 17 0197		103	106	-0.58 6 93	-0.03 6 100	-0.32 95	-0.39 5 93	0.60 5 106	-0.24 5 101	-17.22 30 122	5.67 15 86	5
5	9108 24 0020 100166842	2.61	1108 21 0035 1108 22 0049		98	98	-0.31 15 96	-0.31 14 93	-0.47 92	0.19 7 97	-1.50 7 96	-1.53 13 94	-21.26 37 127	6.97 18 83	3
6	9172 25 0010 111475976	2.75	1107 21 0002 1108 23 0041		97	103	-0.67 17 92	0.05 17 102	-0.28 95	-0.49 13 93	-1.10 12 98	-1.28 16 95	-4.86 24 106	0.18 15 101	2
7	9172 25 0009 111475968	2.75	1107 21 0002 1108 23 0041		97	103	-0.67 17 92	0.05 17 102	-0.28 95	-0.49 13 93	-1.10 12 98	-1.28 16 95	-4.86 24 106	0.18 15 101	2
8	9102 24 0010 107200214	2.92	762 20 0036 432 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	7
9	9172 25 0006 110047149	3.84	1114 22 0004 1172 23 0013		93	99	-0.66 23 92	0.24 18 107	-0.09 99	-0.44 9 93	-2.40 9 92	-1.86 18 92	-5.29 23 107	3.34 14 93	3
10	9172 25 0005 110047131	3.84	1114 22 0004 1172 23 0013		93	99	-0.66 23 92	0.24 18 107	-0.09 99	-0.44 9 93	-2.40 9 92	-1.86 18 92	-5.29 23 107	3.34 14 93	3
11	9172 25 0007 110719234	2.71	1108 23 0075 1108 21 0041		93	102	-0.93 19 89	0.15 18 105	-0.31 95	-1.30 10 87	-1.50 11 96	-1.68 17 93	2.64 24 96	-2.55 15 109	4
12	9172 26 0004 112952536	5.19	1108 24 0084 1172 23 0013		92	100	-0.74 16 91	0.15 15 104	-0.23 96	-0.85 10 90	-2.80 10 90	-2.28 14 89	-3.98 25 105	0.04 13 102	3
13	9108 24 0084 107200610	4.49	1108 22 0085 1108 19 0029		91	98	-0.60 24 93	0.19 23 106	-0.11 98	-0.46 17 93	-3.60 16 86	-2.57 22 88	-3.74 35 105	-0.10 19 102	5

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 Lambded
							Dir	Mat		Comb		Acc	EBV	Acc	EBV	Acc	EBV	Acc	EBV	Acc		
Active Breed Average:					100	100	-0.06	-0.02		-0.06	0.50	-0.36	-0.31		-0.30	0.15						
1	9183 23 0002 99094997	2.58	762 21 0770 1298 20 0489	112	112	0.22 38	0.18 102		0.29 105	0.90 17	102	2.00 15	1.59 113		-2.50 38	-0.85 103		25	104	2		
2	9172 26 0003 112952528	2.73	9108 23 0075 9183 23 0002	108	109	-0.18 19	0.07 98		-0.02 100	0.25 9	97	1.30 8	0.68 110		-9.86 24	2.41 112		15	95	0		
3	9172 26 0002 112952510	2.73	9108 23 0075 9183 23 0002	108	109	-0.18 19	0.07 98		-0.02 100	0.25 9	97	1.30 8	0.68 110		-9.86 24	2.41 112		15	95	0		
4	9172 25 0004 110047123	3.70	9145 24 0001 9183 23 0002	104	108	0.06 24	0.36 100		0.39 107	0.25 13	97	-0.20 11	0.30 102		1.16 24	-1.80 98		16	107	0		
5	9108 23 0041 97522403	2.92	9108 21 0035 1332 17 0029	103	106	-0.58 6	-0.03 93		-0.32 95	-0.39 5	93	0.60 5	-0.24 106		-17.21 31	5.98 122		15	85	2		
6	9102 25 0007 109796888	3.13	1413 22 0382 9102 20 0001	100	105	-0.40 17	0.16 95		-0.04 100	-0.06 11	95	-0.20 8	-0.36 102		3.61 19	-2.22 95		12	108	0		
7	9172 24 0003 107206039	4.74	762 21 0770 9172 23 0013	99	107	-0.94 33	0.22 89		-0.26 106	-1.07 10	89	0.20 14	-0.61 104		-4.77 31	1.34 106		18	98	0		
8	9172 25 0002 107771073	3.01	9108 22 0085 9108 23 0041	95	98	-0.51 14	-0.02 94		-0.28 96	-0.07 8	95	-2.00 8	-1.73 94		-9.50 12	3.42 93		30	112	0		
9	9172 25 0001 107771065	3.01	9108 22 0085 9108 23 0041	95	98	-0.51 14	-0.02 94		-0.28 96	-0.07 8	95	-2.00 8	-1.73 94		-9.50 30	3.42 112		12	93	0		
10	9155 25 0002 112191127	6.42	9114 22 0004 9101 23 0008	93	97	-0.39 27	0.17 95		-0.02 100	0.08 13	96	-2.80 12	-1.89 90		-2.65 22	2.48 103		16	95	0		
11	9172 23 0013 97175392	2.51	9108 21 0035 9108 21 0041	93	101	-0.88 20	0.10 90		-0.34 94	-1.25 11	88	-2.00 12	-1.98 94		-4.22 34	0.18 105		19	101	3		
12	9172 24 0002 99095358	2.51	9108 21 0035 9108 21 0041	93	101	-0.88 20	0.10 90		-0.34 94	-1.25 11	88	-2.00 12	-1.98 94		-4.22 34	0.18 105		19	101	0		
13	9172 26 0005 112952544	5.19	9108 24 0084 9172 23 0013	92	100	-0.74 16	0.15 91		-0.23 96	-0.85 10	90	-2.80 10	-2.28 90		-3.98 25	0.04 105		13	102	0		
14	9172 26 0008 113800270	7.55	9108 24 0084 9108 21 0041	87	98	-0.94 22	0.26 89		-0.21 97	-1.33 13	87	-3.60 14	-2.84 86		9.38 26	-5.43 88		16	117	0		
15	9108 21 0041 95411732	8.36	762 16 0523 762 17 0256	83	99	-1.28 38	0.34 85		-0.31 95	-2.20 20	81	-3.60 23	-3.11 86		22.50 39	-10.77 71		26	132	4		