



BOERBOK GENETIC REPORT

21 September 2026



LOSBERG BOERDERY

FDM : 2064



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 :

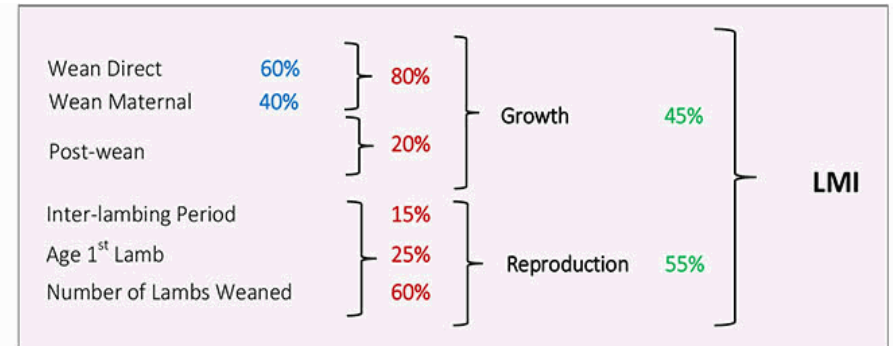
Logix Merit Index (LMI)

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	0.12	0.24	0.07	-0.06	-0.01	-0.09
Weaning Weight Maternal	-0.27	-0.26	-0.28	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.21	-0.14	-0.25	-0.06	-0.03	-0.07
Post-wean Weight	0.66	0.83	0.59	0.50	0.58	0.45
Number Lambs Weaned	-1.78	-2.18	-1.61	-0.36	-0.55	-0.26
Total Weight Weaned	-1.22	-1.33	-1.18	-0.31	-0.37	-0.27
Age at First Lambing	0.50	0.49	0.51	-0.30	-0.22	-0.35
Inter-lambing Period	1.30	1.49	1.22	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	95	95	95	101	100	101
Reproduction Index	93	92	94	102	101	102
Inbreeding						
Inbreeding (%)	5.63	6.23	5.37	5.54	5.93	5.34
Number of Animals						
Number of Animals	30	9	21	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	101.0	102.4	100.5
Weaning Weight Maternal	93.9	94.3	93.8
Weaning Weight Comb	96.6	97.9	96.1
Post-wean Weight	100.0	101.0	99.5
Number Lambs Weaned	95.0	93.1	95.8
Total Weight Weaned	95.4	94.8	95.7
Age First Lambing	99.1	99.1	99.1
Interlambing Period	98.3	97.8	98.5
Selection Indices			
Logix Merit Index	95.3	94.9	95.4
Ewe Index	93.2	92.2	93.6
Growth Index	99.4	100.6	98.8
Inbreeding			
Inbreeding (%)	5.63	6.23	5.37
Number of Animals			
Number of Animals	30	9	21

** 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

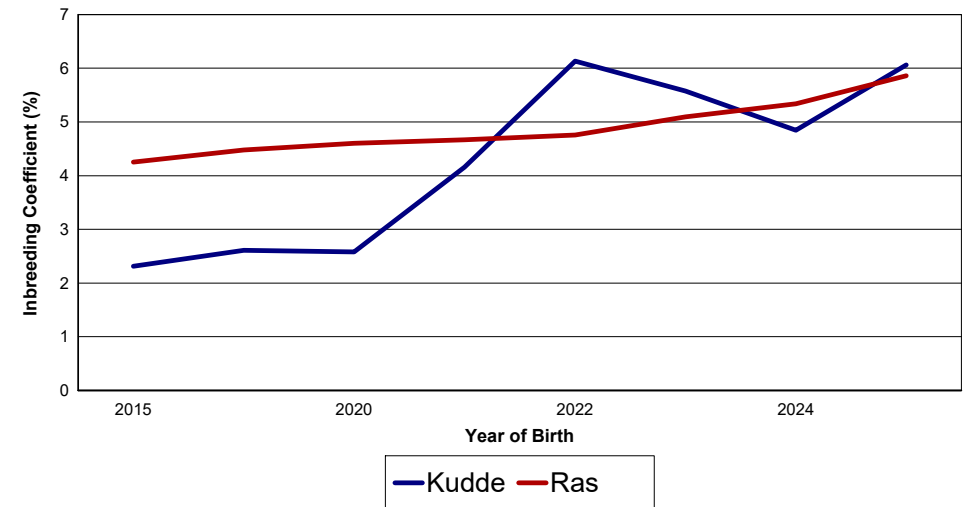
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2015 - 2025	6.06	0.38
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

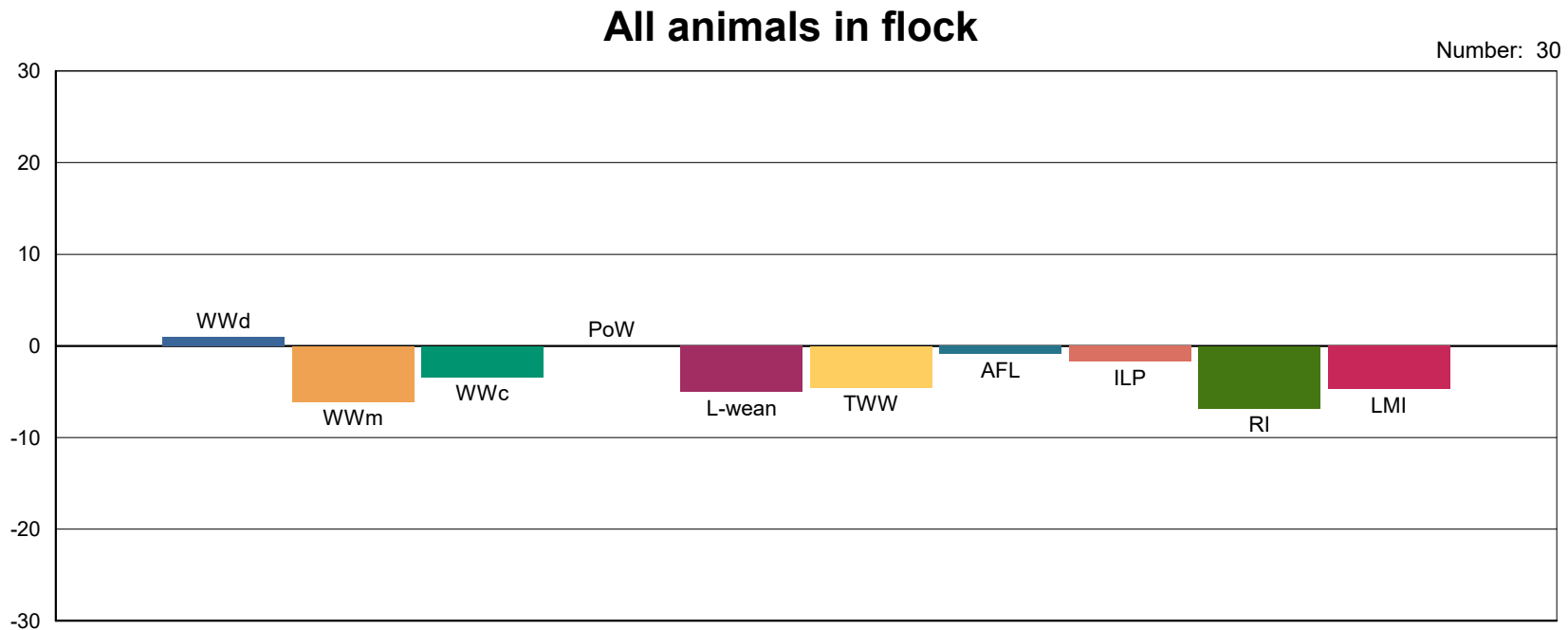


Pedigree Information

	Number	%
Known Sires	30	100
Known Dams	30	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

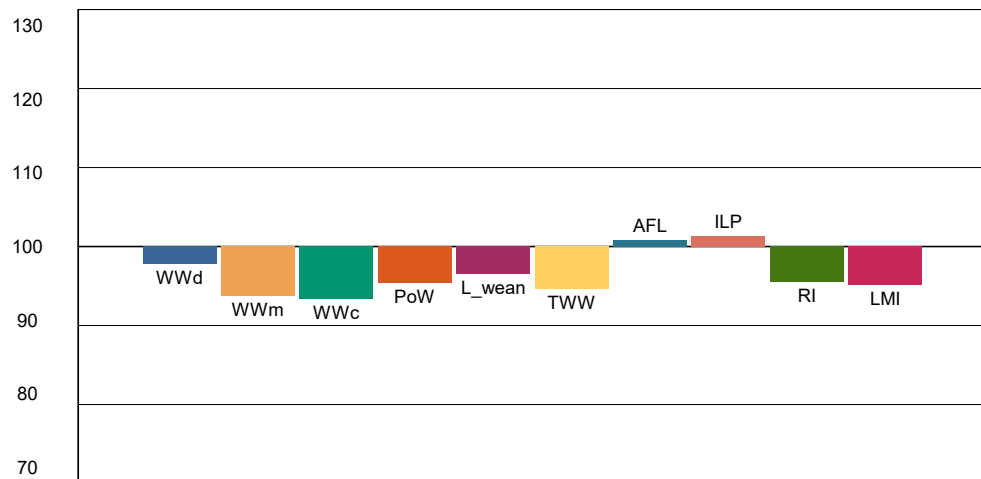
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

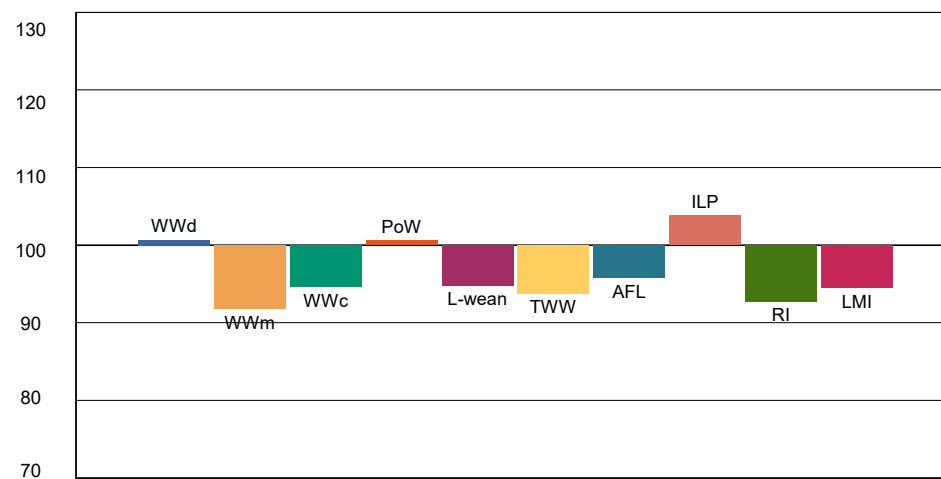
Dams

Number: 12



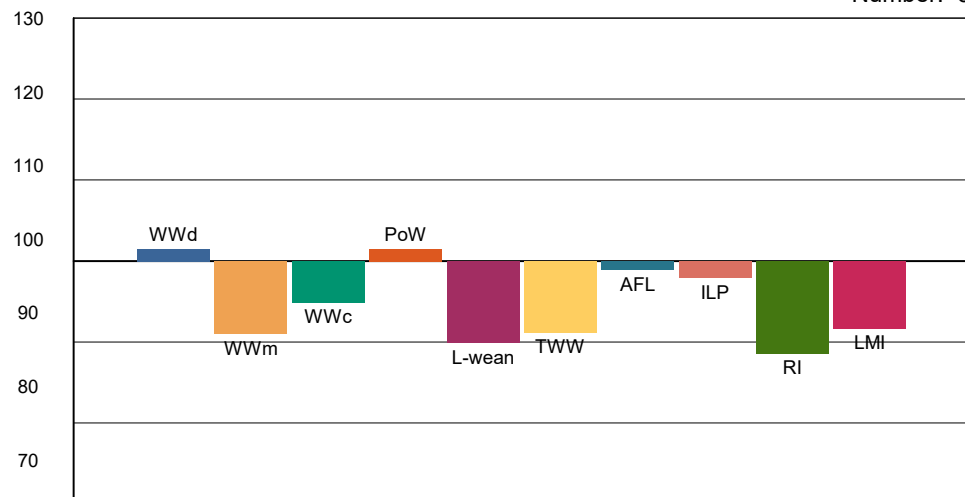
Sires

Number: 14



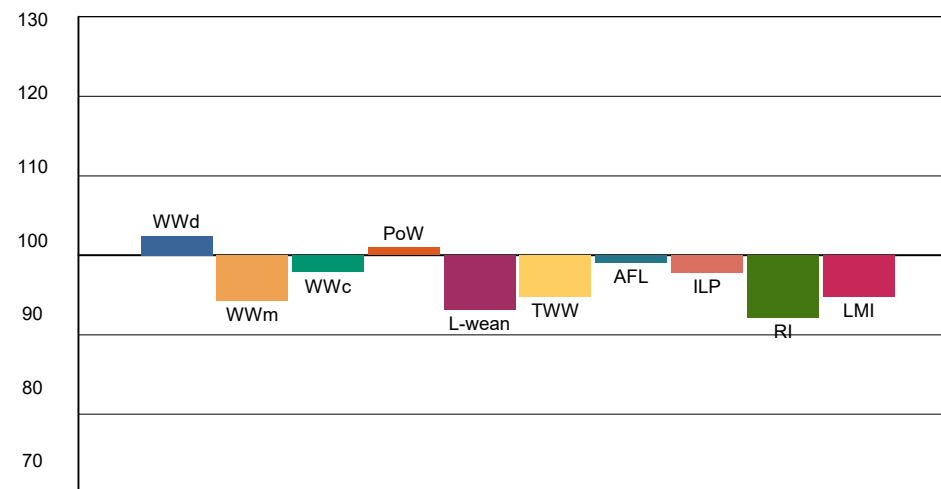
Young Ewes

Number: 6



Young Rams

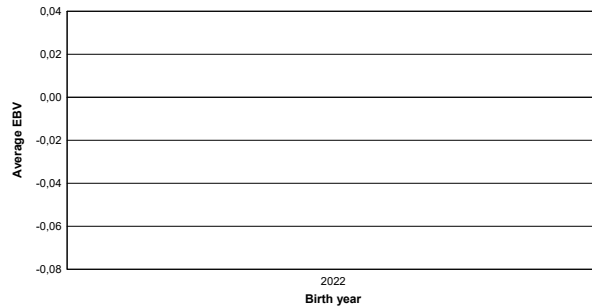
Number: 9



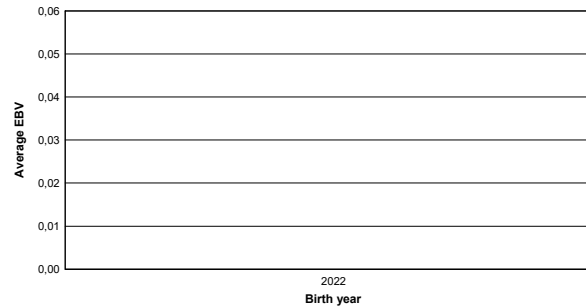
Genetic Trends

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

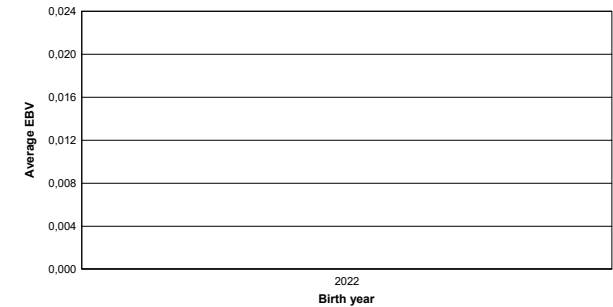
Weaning Weight Direct



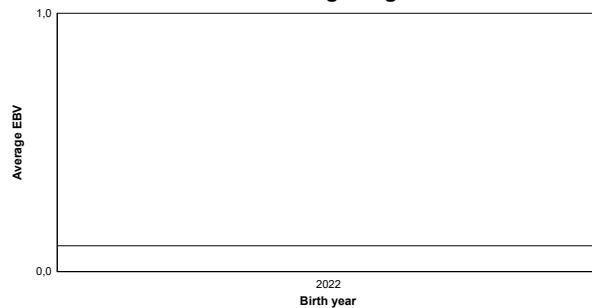
Wean Weight Maternal



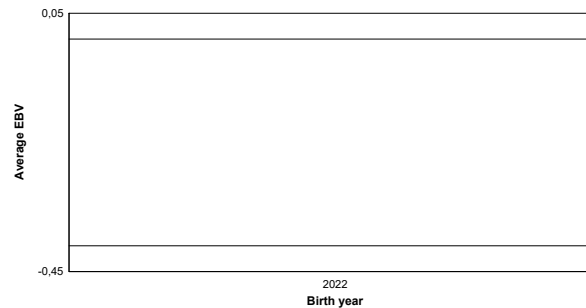
Weaning Weight Combined



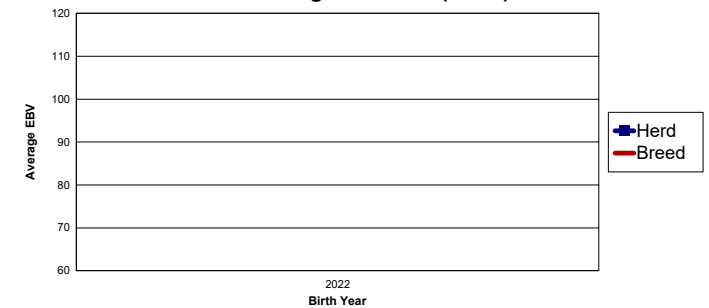
Post-weaning Weight



Number of Lambs Weaned

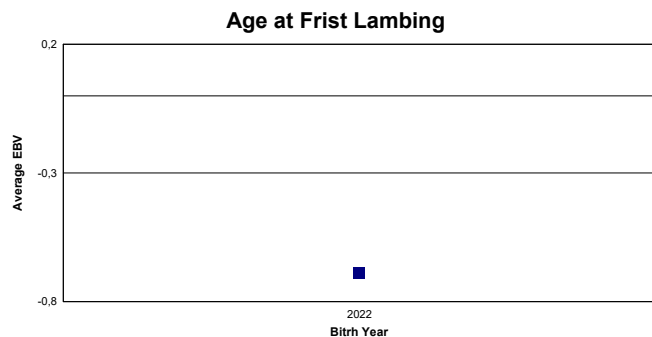


Total Weight Weaned (TWW)

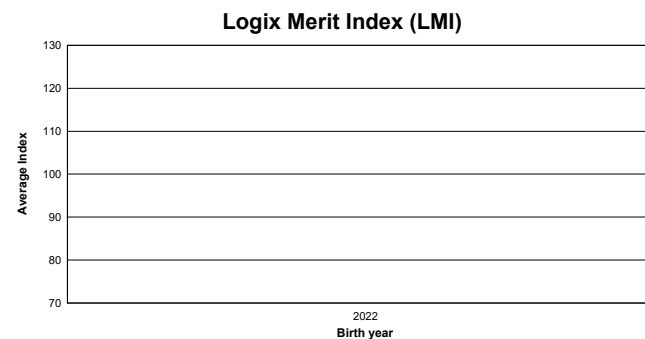
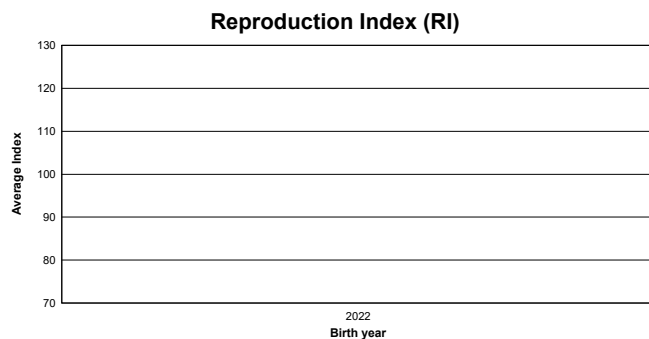
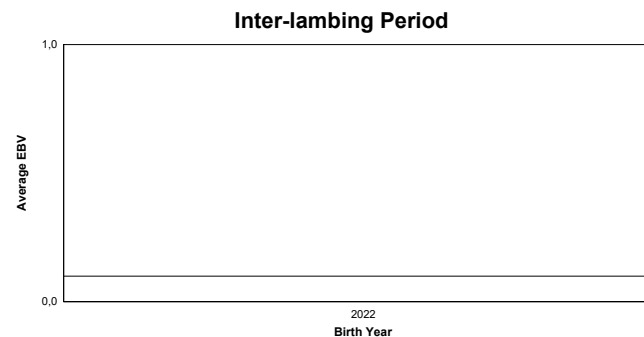


Genetic Trends

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				Post-wean	Lambs Weaned		TWW	AFL		ILP		RI	LMI				
	EBV					Number	EBV		Number	EBV	Number	EBV			Number	EBV		
	Number	Dir	Mat	Comb														
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
2022										1	-0.69						

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 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	EBV Index	Acc	EBV Index	Acc	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								
1695	21	0108	1695	20	0100	7.42	85	82	0.07	-0.61	-0.58	0.81	-3.90	-2.88	8.51	-1.46	6						
	93489599		1695	20	0016				34	100	30	86	90	21	101	17		85	29	86	41	89	29
2064	22	0001	762	20	1063	4.84	93	89	0.52	-0.15	0.11	1.13	-3.40	-1.67	-0.69	3.70	3						
	96701172		1748	21	0004				36	106	30	97	102	20	103	17		87	29	93	31	101	20
1850	22	0054	1695	20	0100	7.62	90	92	-0.24	-0.81	-0.93	0.03	-2.40	-2.49	6.15	-8.98	8						
	94271350		762	18	0575					43	97	36	80	84	20	96		22	92	35	88	41	92
2064	23	0004	1298	21	0311	9.04	111	109	0.84	0.25	0.67	1.81	0.00	1.09	-3.11	-1.38	3						
	96858436		1298	20	0132					34	109	30	107	112	20	108		10	103	27	109	38	104
2064	24	0002	762	19	1002	4.49	99	95	0.36	-0.05	0.13	0.87	-1.10	-0.35	-2.46	5.77	3						
	99529174		1298	20	0132				51	104	47	100	103	33	101	25		98	43	101	52	103	37
2064	24	0004	762	19	1002	4.49	99	95	0.36	-0.05	0.13	0.87	-1.10	-0.35	-2.46	5.77	3						
	99529224		1298	20	0132				51	104	47	100	103	33	101	25		98	43	101	52	103	37
2064	24	0015	762	19	1002	6.08	94	91	-0.13	-0.16	-0.22	0.25	-1.70	-1.31	-4.93	7.61	3						
	99529091		1748	21	0004				48	98	44	97	97	32	97	25		95	41	95	47	106	32
2064	25	0055	1695	21	0108	6.65	89	86	0.29	-0.38	-0.23	0.97	-3.60	-2.25	3.91	1.12	1						
	111843157		2064	22	0002					25	103	21	91	96	14	102		12	86	20	90	26	95
2064	25	0104	1695	21	0108	5.47	93	91	0.07	-0.38	-0.34	0.70	-2.40	-1.74	-0.50	1.26	1						
	111843132		1748	21	0011				26	101	22	91	94	15	100	11		92	21	92	29	100	18
Ram Flock Average:							95	92	0.24	-0.26	-0.14	0.83	-2.18	-1.33	0.49	1.49							
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		Comb	Post-Wean		Number Weaned	TWW		AFL		ILP		Times EPI Lamberd	
							Dir	Mat		Acc	Index		Acc	Index	Acc	Index	Acc	Index	Acc	Index
							EBV	EBV	EBV			EBV								
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
1870 19 0026 90927989	776 17 0304 1870 16 0050	2.61	100	98	-0.43 24 95	-0.78 26 81	-1.00 83	0.21 8 97	1.50 6 111	-0.31 21 101	2.31 27 97	-3.38 16 111	1							
1450 20 0012 92371004	762 18 0289 1450 18 0012	2.80	90	96	-0.95 34 89	0.21 31 106	-0.26 96	-0.36 19 93	-1.70 18 95	-1.76 29 92	14.02 36 82	-1.31 25 106	3							
1720 20 0029 92597590	762 18 0238 1720 17 0031	2.92	79	84	-0.44 46 95	-0.18 40 96	-0.41 93	-0.52 27 92	-4.80 27 81	-3.51 39 82	23.62 51 70	-6.71 33 120	4							
1298 20 0132 91005348	16 4 60 DL 1298 18 0123	2.10	109	102	1.19 49 113	0.03 44 102	0.63 111	2.29 30 111	-0.60 17 101	0.86 40 108	-3.35 58 104	0.89 41 99	3							
1748 21 0004 94863248	762 19 0339 1748 18 0010	5.86	99	95	0.22 37 102	-0.19 32 96	-0.08 99	1.05 23 103	-1.70 16 95	-0.98 30 97	-8.29 34 110	4.58 19 89	3							
1748 21 0011 94795051	762 19 0339 970 15 0054	4.30	100	99	0.08 38 101	-0.14 32 97	-0.10 99	0.58 22 99	-1.00 15 99	-0.66 30 99	-9.51 40 112	3.97 21 91	1							
170 21 0025 94053154	762 18 0392 170 16 0249	3.57	87	98	-1.95 64 78	-0.99 49 76	-1.96 67	-3.78 60 71	0.60 29 106	-2.57 50 88	2.09 40 97	-8.23 31 125	2							
2064 22 0002 96701180	762 20 1063 1748 21 0004	4.84	93	89	0.52 36 106	-0.15 30 97	0.11 102	1.13 20 103	-3.40 17 87	-1.67 29 93	-0.69 31 101	3.70 20 92	1							
1130 22 0038 96641097	1298 18 0160 1130 19 0001	1.76	109	105	0.65 30 107	0.10 29 103	0.43 108	1.08 25 103	1.10 13 109	1.42 26 111	1.88 36 97	0.93 21 99	0							
106 22 0082 96802848	106 20 0102 106 17 0076	21.83	89	86	-0.38 31 95	-0.79 29 81	-0.98 83	0.34 12 98	-2.00 9 94	-2.37 25 89	-1.13 40 101	2.26 22 96	0							
2064 24 0003 99529182	762 19 1002 1298 20 0132	4.49	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0							
2064 24 0005 99529190	762 19 1002 1298 20 0132	4.49	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0							
2064 24 0006 99529208	762 19 1002 1298 20 0132	4.49	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0							
2064 24 0007 99529216	762 19 1002 1298 20 0132	4.49	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0							
2064 24 0012 99529125	762 20 0208 1298 20 0132	5.73	105	101	0.56 47 106	-0.45 40 90	-0.17 97	1.53 18 106	-0.20 18 102	-0.01 38 103	-4.31 50 105	-2.69 32 109	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 Lambded
							EBV	EBV	EBV	EBV		EBV	EBV		EBV	EBV	EBV	EBV			
							Acc	Index	Acc	Index	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15							
2064 25 0056 111843165	1695 21 0108 2064 22 0002		6.65	89	86	0.29 25 103	-0.38 21 91	-0.23 96	0.97 14 102	-3.60 12 86	-2.25 20 90	3.91 26 95	1.12 18 99	0							
2064 25 0092 111843173	1695 21 0108 1748 21 0004		6.07	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0							
2064 25 0093 111843181	1695 21 0108 1748 21 0004		6.07	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0							
2064 25 0094 111843199	1695 21 0108 1748 21 0004		6.07	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0							
2064 25 0095 111843207	1695 21 0108 1748 21 0004		6.07	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0							
2064 25 0102 111843140	1695 21 0108 1748 21 0011		5.47	93	91	0.07 26 101	-0.38 22 91	-0.34 94	0.70 15 100	-2.40 11 92	-1.74 21 92	-0.50 29 100	1.26 18 98	0							
	Ewe flock average: Total ewes in flock: 21			95	94	0.07	-0.28	-0.25	0.59	-1.61	-1.18	0.51	1.22								

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	
			Progen y	Number Herds	Progeny Weaned	Number Herds			Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index	Post-Wean 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	IMPA 16 460 82909680	3.32	15 9 61 6DJL 12 0 01 8DL	28	1	5	2	128	115	2.82 89 131	0.19 76 106	1.60 128	4.89 59 128	1.90 32 112	4.16 71 127	1.57 93 98	-5.04 76 116	1
2	776 17 0304 82344169	6.89	776 16 0034 776 15 0172			9	2	97	90	-0.18 48 98	-1.64 53 64	-1.73 70	0.92 17 102	1.30 11 110	-1.04 41 97	5.00 54 93	-5.83 31 118	4
3	1298 18 0160 84217942	8.48	762 16 0351 1298 15 0087	2	1	7	2	112	105	1.43 60 116	0.26 57 107	0.98 117	1.79 51 107	0.60 26 106	2.05 51 114	0.03 58 100	2.83 37 94	6
4	762 18 0238 82047341	6.30	762 16 0414 762 14 0252	70	2	24	3	65	64	-0.22 91 97	-0.45 80 90	-0.55 91	-0.54 54 92	-11.20 54 64	-7.38 78 60	21.22 80 73	1.85 58 97	106 9
5	762 18 0289 82046996	5.30	762 16 0414 762 14 0180			2	1	77	85	-1.40 65 84	0.12 58 104	-0.58 90	-0.34 37 93	-5.00 37 80	-4.28 56 78	10.96 59 86	1.75 45 97	88 4
6	762 18 0392 82066978	9.49	762 15 0495 762 16 0364	58	4	12	3	93	118	-3.36 89 64	0.06 74 102	-1.62 72	-3.28 71 74	1.60 49 111	-2.35 74 89	0.99 68 99	-11.11 49 133	114 5
7	762 19 0339 86281706	6.62	762 17 0222 762 17 0201	2	1	5	2	100	88	1.12 69 112	-0.44 57 90	0.12 102	2.33 42 111	-2.60 26 91	-0.88 54 97	-15.85 64 120	10.20 31 74	85 4
8	762 19 1002 86225661	4.89	762 18 0157 762 13 0028	29	5	31	8	89	87	-0.48 90 94	-0.13 82 98	-0.37 94	-0.56 60 92	-1.60 48 96	-1.57 77 93	-1.57 87 102	10.65 62 73	100 8
9	1695 20 0100 92049667	5.21	762 19 0290 1303 14 0040			1	1	89	85	0.42 55 104	-0.93 44 77	-0.72 88	0.86 28 101	-3.00 19 89	-2.31 42 89	11.81 61 85	-7.55 41 123	2
10	106 20 0102 95889341	11.97	106 18 0044 106 18 0191			4	1	85	81	-0.41 52 95	-1.04 45 75	-1.24 79	0.38 14 98	-2.30 10 93	-2.82 40 86	2.24 61 97	0.98 31 99	5
11	762 20 0208 86888294	5.72	762 18 0006 762 16 0250	14	2	15	1	101	100	-0.08 81 99	-0.92 68 78	-0.96 84	0.76 21 101	0.20 31 104	-0.88 64 97	-5.27 81 107	-6.26 49 119	94 4
12	762 20 1063 90575184	5.99	762 19 0080 762 18 0217					88	83	0.82 62 109	-0.12 51 98	0.29 105	1.20 32 104	-5.00 29 80	-2.30 50 89	6.91 52 91	2.83 35 94	82 8
13	1695 21 0108 93489599	7.42	1695 20 0100 1695 20 0016					85	82	0.07 34 100	-0.61 30 86	-0.58 90	0.81 21 101	-3.90 17 85	-2.88 29 86	8.51 41 89	-1.46 29 106	6

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	Dir EBV Acc Index	Weaning Weight		Comb EBV Index	Post-Wean EBV Acc Index	Number Weaned EBV Acc Index	TWW EBV Acc Index	AFL EBV Acc Index	ILP EBV Acc Index	Dam EPI Times Lambbed						
			Progeny Number	Herds	Progeny Number	Herds				Mat EBV Acc Index	Weight													
			Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15								
14	1298 21 0311 93282051	430 18 0050 1298 17 0253					113	116	0.49 47	105	0.47 40	113	0.71 113	1.32 25	104	0.70 12	107	1.38 36	111	-2.87 50	103	-3.64 37	112	4
			Sire Flock Average: Number of sires used in the flock: 14				95	93	0.07	-0.37	-0.33	0.75	-2.02	-1.51	3.12	-0.70								

Ram Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information		Parents & Progeny			Selection Indices		EBV - Weights				EBV - Fertility				
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation	2nd Generation	Logix Merit Index	Repro- duction Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam
			Progeny Number	Progeny Number			Dir	Mat	Comb						
			Weaned Herds	Weaned Herds											
			Active Breed Average:		100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
1	2064 23 0004 96858436	9.04	298 21 0311 298 20 0132		111	109	0.84 34 109	0.25 30 107	0.67 112	1.81 20 108	0.00 10 103	1.09 27 109	-3.11 38 104	-1.38 27 106	3
2	2064 24 0002 99529174	4.49	762 19 1002 298 20 0132		99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	3
3	2064 24 0004 99529224	4.49	762 19 1002 298 20 0132		99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	3
4	2064 24 0015 99529091	6.08	762 19 1002 748 21 0004		94	91	-0.13 48 98	-0.16 44 97	-0.22 97	0.25 32 97	-1.70 25 95	-1.31 41 95	-4.93 47 106	7.61 32 81	3
5	2064 25 0104 111843132	5.47	695 21 0108 748 21 0011		93	91	0.07 26 101	-0.38 22 91	-0.34 94	0.70 15 100	-2.40 11 92	-1.74 21 92	-0.50 29 100	1.26 18 98	1
6	2064 22 0001 96701172	4.84	762 20 1063 748 21 0004		93	89	0.52 36 106	-0.15 30 97	0.11 102	1.13 20 103	-3.40 17 87	-1.67 29 93	-0.69 31 101	3.70 20 92	3
7	1850 22 0054 94271350	7.62	695 20 0100 762 18 0575		90	92	-0.24 43 97	-0.81 36 80	-0.93 84	0.03 20 96	-2.40 22 92	-2.49 35 88	6.15 41 92	-8.98 30 127	8
8	2064 25 0055 111843157	6.65	695 21 0108 2064 22 0002		89	86	0.29 25 103	-0.38 21 91	-0.23 96	0.97 14 102	-3.60 12 86	-2.25 20 90	3.91 26 95	1.12 18 99	1
9	1695 21 0108 93489599	7.42	695 20 0100 695 20 0016		85	82	0.07 34 100	-0.61 30 86	-0.58 90	0.81 21 101	-3.90 17 85	-2.88 29 86	8.51 41 89	-1.46 29 106	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 Lambd
					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	1298 20 0132 91005348	2.10	16 4 60 DL 1298 18 0123	109	102	1.19 49 113	0.03 44 102	0.63 111	2.29 30 111	-0.60 17 101	0.86 40 108	-3.35 58 104	0.89 41 99	3
2	1130 22 0038 96641097	1.76	1298 18 0160 1130 19 0001	109	105	0.65 30 107	0.10 29 103	0.43 108	1.08 25 103	1.10 13 109	1.42 26 111	1.88 36 97	0.93 21 99	0
3	2064 24 0012 99529125	5.73	762 20 0208 1298 20 0132	105	101	0.56 47 106	-0.45 40 90	-0.17 97	1.53 18 106	-0.20 18 102	-0.01 38 103	-4.31 50 105	-2.69 32 109	0
4	1748 21 0011 94795051	4.30	762 19 0339 970 15 0054	100	99	0.08 38 101	-0.14 32 97	-0.10 99	0.58 22 99	-1.00 15 99	-0.66 30 99	-9.51 40 112	3.97 21 91	1
5	1870 19 0026 90927989	2.61	776 17 0304 1870 16 0050	100	98	-0.43 24 95	-0.78 26 81	-1.00 83	0.21 8 97	1.50 6 111	-0.31 21 101	2.31 27 97	-3.38 16 111	1
6	2064 24 0005 99529190	4.49	762 19 1002 1298 20 0132	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0
7	2064 24 0006 99529208	4.49	762 19 1002 1298 20 0132	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0
8	2064 24 0003 99529182	4.49	762 19 1002 1298 20 0132	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0
9	2064 24 0007 99529216	4.49	762 19 1002 1298 20 0132	99	95	0.36 51 104	-0.05 47 100	0.13 103	0.87 33 101	-1.10 25 98	-0.35 43 101	-2.46 52 103	5.77 37 86	0
10	1748 21 0004 94863248	5.86	762 19 0339 1748 18 0010	99	95	0.22 37 102	-0.19 32 96	-0.08 99	1.05 23 103	-1.70 16 95	-0.98 30 97	-8.29 34 110	4.58 19 89	3
11	2064 25 0102 111843140	5.47	1695 21 0108 1748 21 0011	93	91	0.07 26 101	-0.38 22 91	-0.34 94	0.70 15 100	-2.40 11 92	-1.74 21 92	-0.50 29 100	1.26 18 98	0
12	2064 22 0002 96701180	4.84	762 20 1063 1748 21 0004	93	89	0.52 36 106	-0.15 30 97	0.11 102	1.13 20 103	-3.40 17 87	-1.67 29 93	-0.69 31 101	3.70 20 92	1
13	2064 25 0093 111843181	6.07	1695 21 0108 1748 21 0004	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0
14	2064 25 0092 111843173	6.07	1695 21 0108 1748 21 0004	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0
15	2064 25 0094 111843199	6.07	1695 21 0108 1748 21 0004	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0

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		Comb	Post-Wean	Number Weaned	TWW	AFL	ILP	EPI	Times Lambded
					Dir	Mat								
					Acc	Index	Acc	Index	EBV	EBV	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		
16	2064 25 0095 111843207	6.07	1695 21 0108 1748 21 0004	92	89	0.14 25 101	-0.40 22 91	-0.33 95	0.93 15 102	-2.80 12 90	-1.93 21 91	0.11 27 100	1.56 17 98	0
17	1450 20 0012 92371004	2.80	762 18 0289 1450 18 0012	90	96	-0.95 34 89	0.21 31 106	-0.26 96	-0.36 19 93	-1.70 18 95	-1.76 29 92	14.02 36 82	-1.31 25 106	3
18	2064 25 0056 111843165	6.65	1695 21 0108 2064 22 0002	89	86	0.29 25 103	-0.38 21 91	-0.23 96	0.97 14 102	-3.60 12 86	-2.25 20 90	3.91 26 95	1.12 18 99	0
19	106 22 0082 96802848	21.83	106 20 0102 106 17 0076	89	86	-0.38 31 95	-0.79 29 81	-0.98 83	0.34 12 98	-2.00 9 94	-2.37 25 89	-1.13 40 101	2.26 22 96	0
20	170 21 0025 94053154	3.57	762 18 0392 170 16 0249	87	98	-1.95 64 78	-0.99 49 76	-1.96 67	-3.78 60 71	0.60 29 106	-2.57 50 88	2.09 40 97	-8.23 31 125	2
21	1720 20 0029 92597590	2.92	762 18 0238 1720 17 0031	79	84	-0.44 46 95	-0.18 40 96	-0.41 93	-0.52 27 92	-4.80 27 81	-3.51 39 82	23.62 51 70	-6.71 33 120	4