

Suffolk Genetic Analysis

SA Stud Book

04 March 2026

TAPPS INVESTMENTS

PO BOX 55
SYFERBULT
0332



FDM: 392



CERTIFICATE
OF QUALITY
Valid up to
October 2029

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 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.

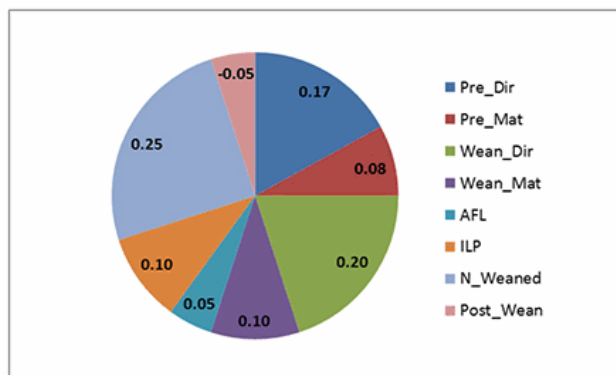
Selection Indices

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.

The available selection indices, their purpose and the contribution of the different traits to the indices are summarised below:

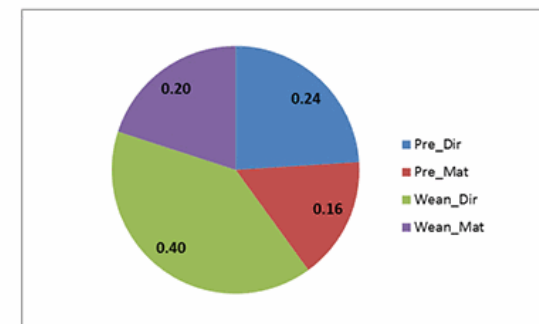
Logix Merit Index (LMI)

This index combines all the traits to select for a balanced, profitable animal that is fertile and delivers a desirable level of production while not reaching very large adult weights. Very large animals require more feed to meet their maintenance requirements, which makes them more expensive to keep and more likely to struggle during difficult times. Since large animals in a breeding flock are unfavourable, a penalty is placed on Post-Wean Weight EBV (indicated by the negative value) in the index. 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, give multiple lambs and has lower maintenance requirements. This value is especially important for sustainability, which requires the selection of good, productive replacement animals for the flock.



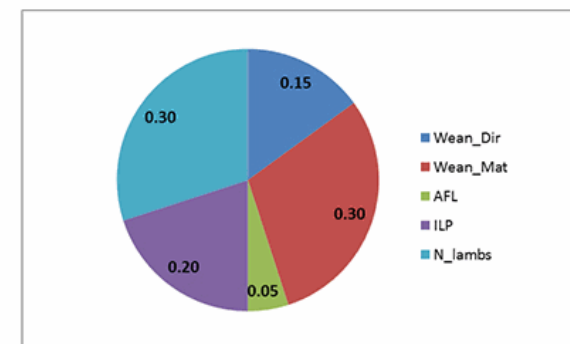
Growth Index (GI)

This encompasses growth for the period up until weaning and is especially important to farmers who sell lambs at or near the time of weaning. Strong emphasis is placed on direct weights, while still allowing the breeding of daughters that will have the ability to raise lambs more efficiently to reach their own genetic potential.



Reproduction Index (RI)

This includes Weaning Weight (Direct and Maternal), combined with Number of Lambs Weaned as indication of Total Weight Weaned (TWW) and therefore the ewe's overall productivity. More emphasis is placed on the Maternal compared to the Direct Weaning Weight EBV. Age at First Lambing and Inter-lambing Period are included to select for ewes that lamb earlier and regularly. This is especially an important index to consider in the development of a dam line.



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.

Suffolk

Genetic Averages of Animals

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Pre-wean Direct	0.10	0.17	0.06	0.12	0.16	0.11
Pre-wean Maternal	-0.07	-0.07	-0.07	0.14	0.15	0.14
Pre-wean Combined	-0.02	0.02	-0.04	0.20	0.23	0.19
Weaning Weight Direct	0.17	0.20	0.15	0.20	0.25	0.17
Weaning Weight Mat	-0.05	-0.05	-0.05	0.14	0.15	0.14
Weaning Weight Comb	0.03	0.06	0.02	0.24	0.27	0.23
Post-wean Weight	0.10	0.37	-0.06	0.04	0.05	0.04
Lambs Weaned	2.08	2.24	1.99	-0.08	-0.24	-0.01
Total Weight Weaned	1.37	1.50	1.29	0.29	0.25	0.31
Age at First Lambing	0.31	1.49	-0.38	-1.61	-1.94	-1.44
Inter-lambing Period	-0.91	-0.08	-1.39	0.44	0.26	0.54
Selection Index						
Logix Merit Index	103	103	103	99	99	99
Growth Index	97	97	96	99	100	99
Reproduction Index	103	103	103	99	99	99
Inbreeding						
Inbreeding coefficient (%)	9.09	9.05	9.11	13.11	13.75	12.79
Number of Animals						
Number of animals	19	7	12	7032	2311	4712

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Pre-wean Direct	99.6	100.6	99.0
Pre-wean Maternal	94.6	94.6	94.6
Pre-wean Combined	95.1	95.7	94.7
Weaning Weight Direct	99.3	99.7	99.1
Weaning Weight Maternal	95.0	95.1	95.0
Weaning Weight Comb	96.0	96.2	95.8
Post-wean weight	100.5	102.4	99.4
Lambs Weaned	108.5	109.2	108.1
Total Weight Weaned	105.0	105.8	104.6
Age First Lambing	96.7	95.0	97.7
Inter-lambing Period	103.8	101.9	104.9
Selection Indices			
Logix Merit Index	102.7	102.8	102.6
Growth Index	96.7	97.3	96.3
Reproduction Index	103.2	102.9	103.5
Inbreeding			
Inbreeding (%)	9.09	9.05	9.11
Number of Animals			
Number of animals	19	7	12

** 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

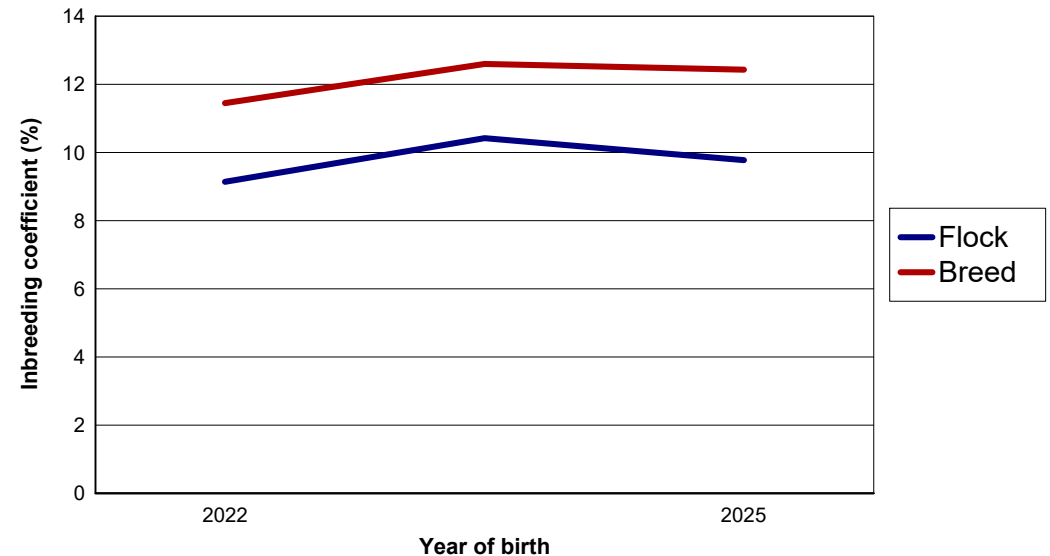
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2022 - 2025	9.78	0.21
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Rate of Inbreeding



Pedigree Information

	Animals	%
Known sires	19	100
Known dams	19	100

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

Genetic Windows

Genetic Linkage of Flock

(Based on the youngest measured generation)

Level	Nr of Link Rams
Geen / None	0

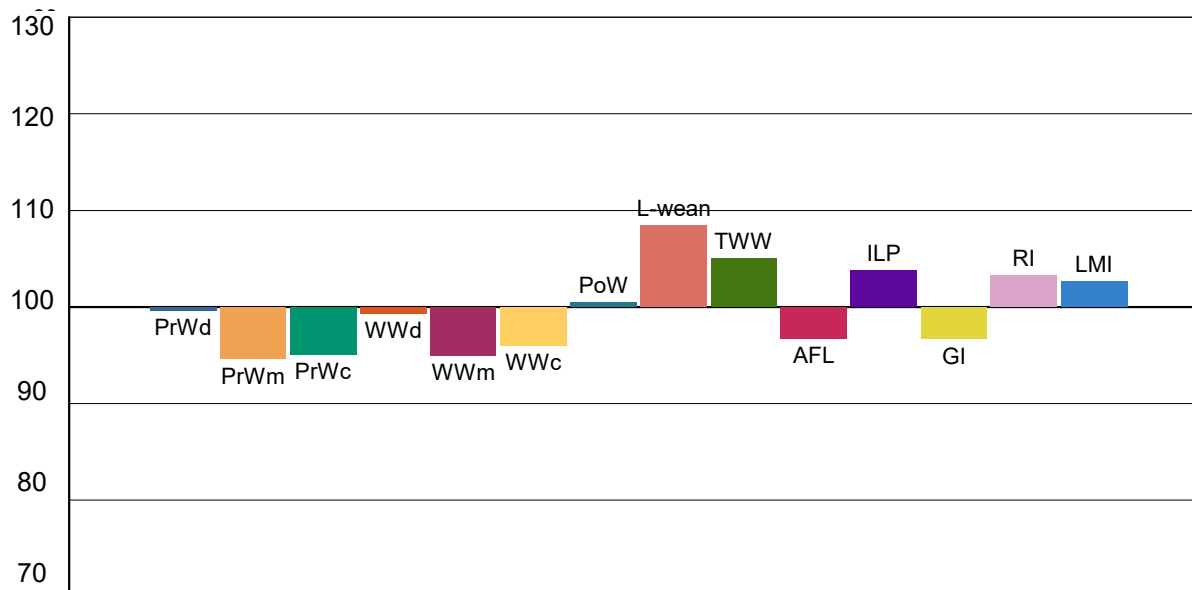
A link ram should have at least 20 measured progeny in your flock and at least another 20 measured progeny in at least one more flock.

Try to use at least 5 link rams in a 5 year period to obtain strong genetic linkage within the breed.

PrWd:	Pre-Wean Direct
PrWm:	Pre-Wean maternal
PrWc:	Pre-Wean Combined
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
GI:	Growth Index
RI:	Reproduction Index

All animals in flock

Number: 19



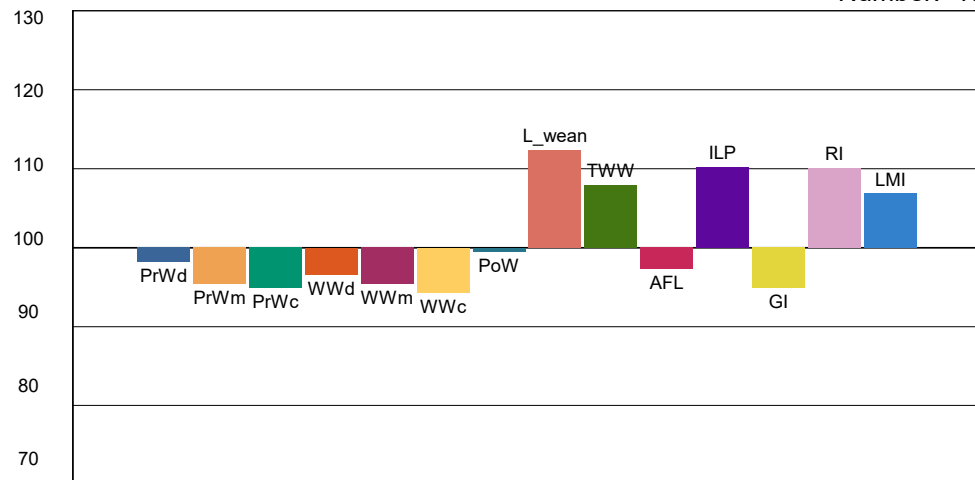
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams younger than 2 years 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

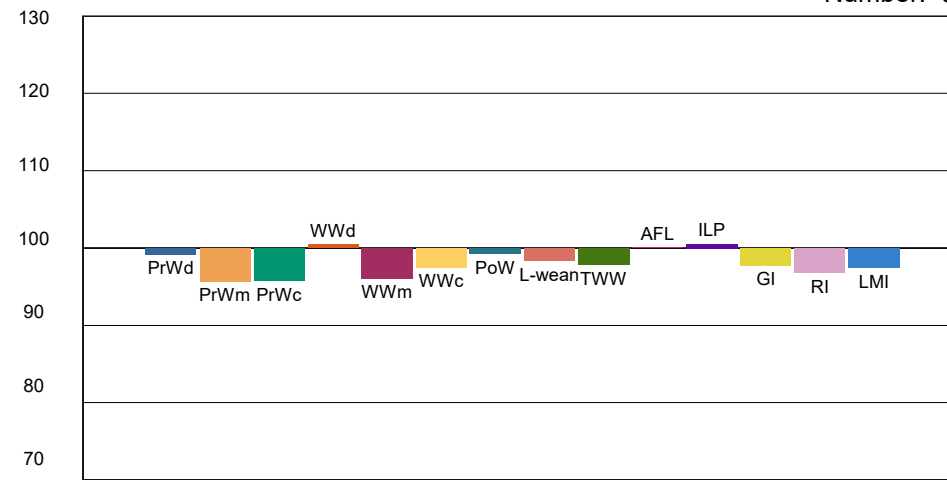
Dams

Number: 15



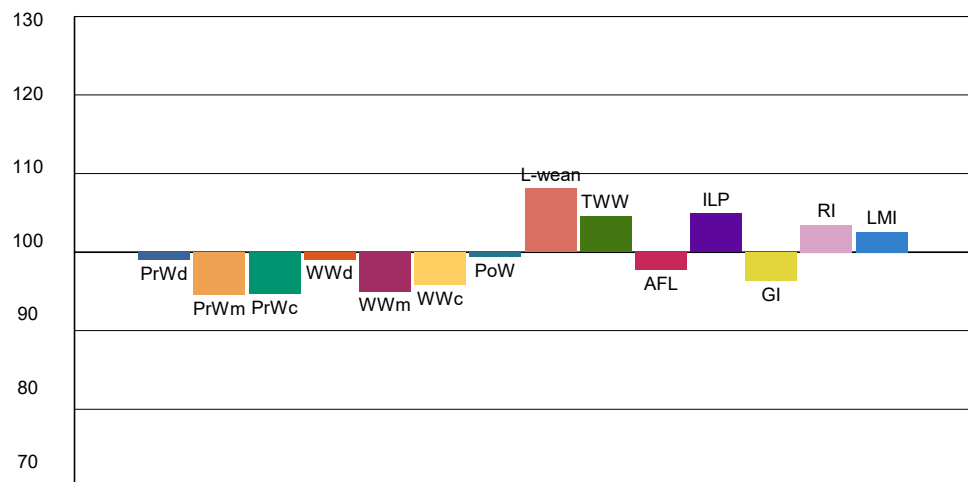
Sires

Number: 9



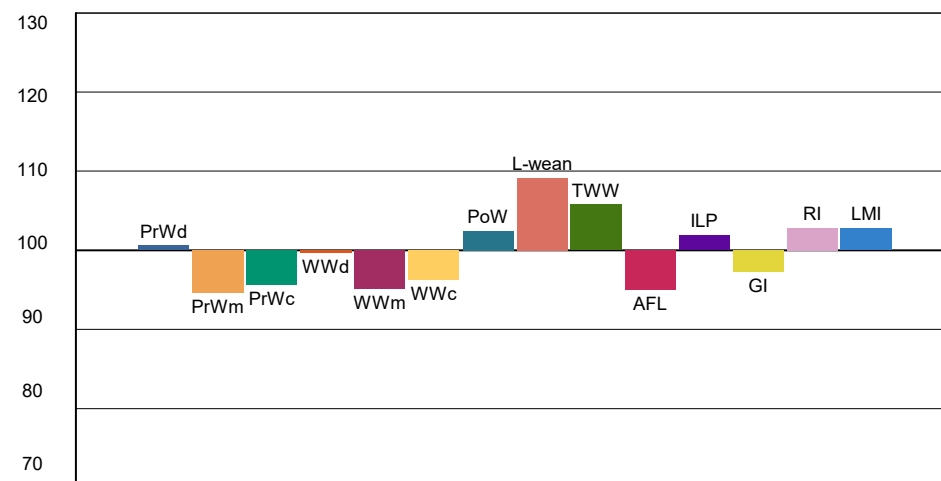
Young Ewes

Number: 12



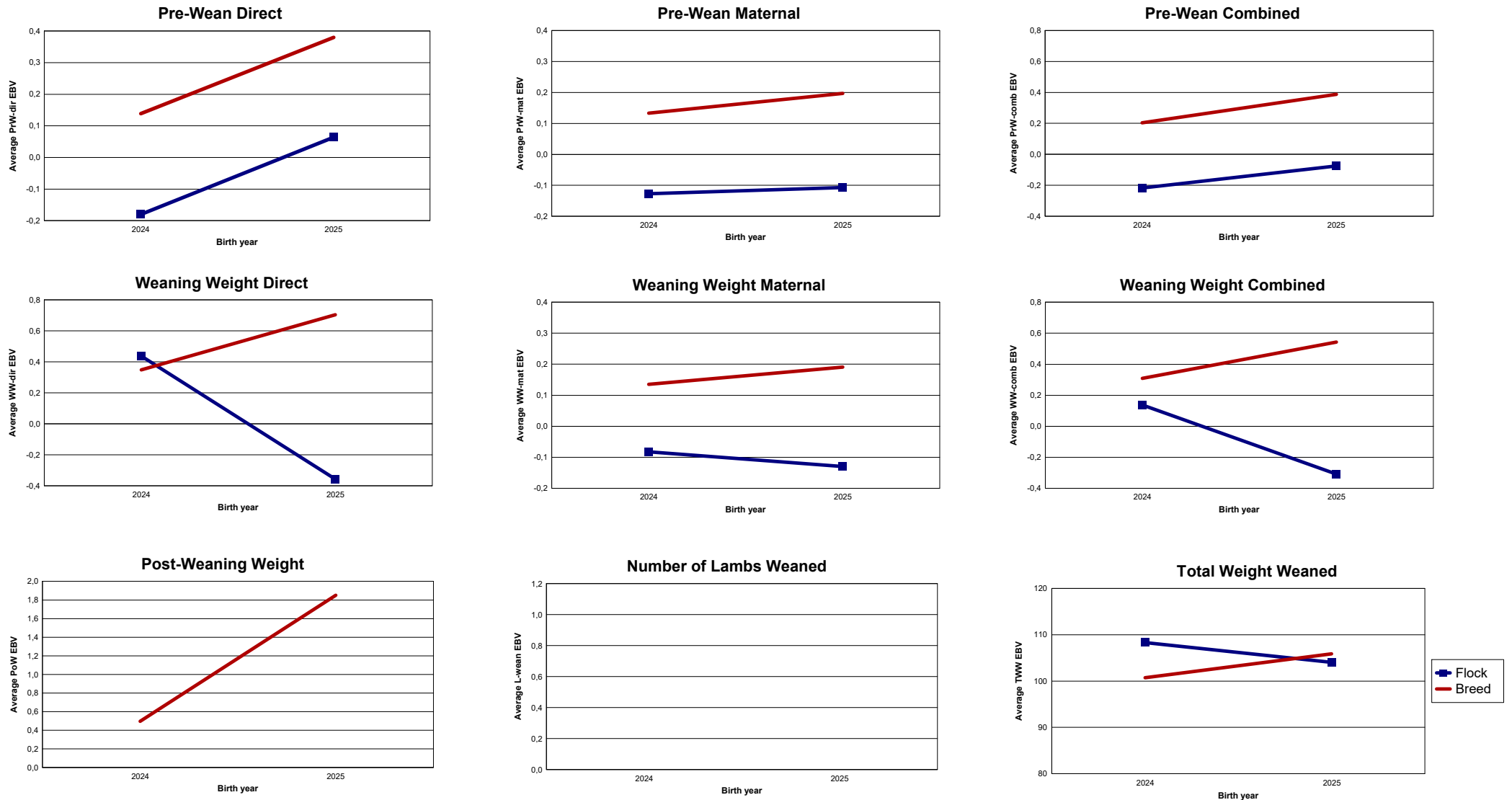
Young Rams

Number: 7



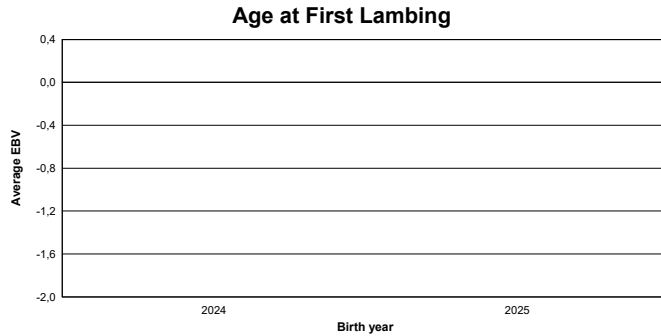
Genetic Trends

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

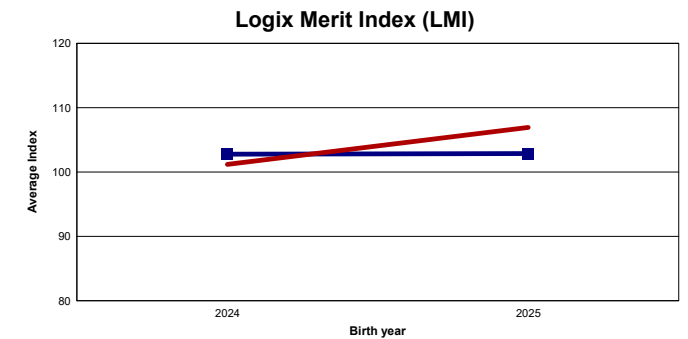
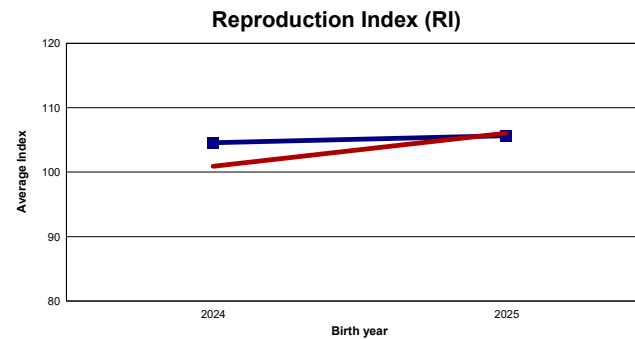
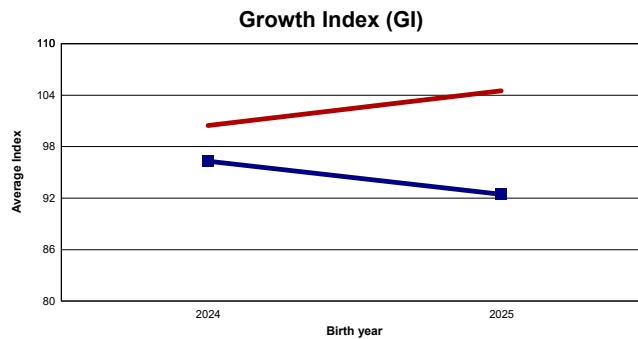
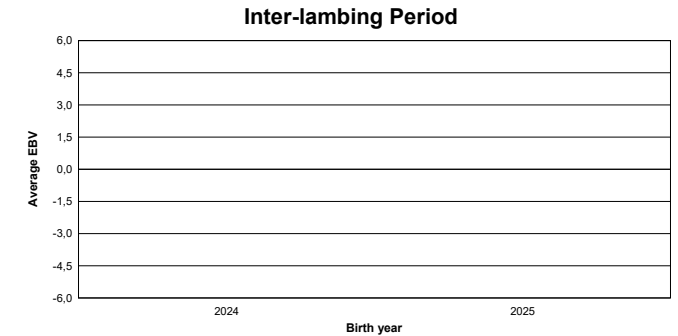


Genetic Trends

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	Pre-Wean EBV				Weaning Weight EBV				Post Wean		Lambs Weaned		TWW		AFL		ILP	
	Anim	Dir	Mat	Comb	Anim	Dir	Mat	Comb	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV
2014	466	-0.19	-0.15	-0.24	468	-0.36	-0.19	-0.37	119	-0.65	179	1.33	468	97	184	2.27	143	-1.57
2015	594	-0.14	-0.23	-0.30	619	-0.30	-0.29	-0.44	126	-1.54	276	1.45	619	99	259	1.74	207	-0.92
2016	713	-0.18	-0.07	-0.15	722	-0.43	-0.11	-0.32	117	-1.26	284	1.47	722	100	232	1.77	185	0.90
2017	819	0.00	-0.01	-0.02	827	-0.39	-0.04	-0.24	206	-0.53	410	0.55	827	97	350	2.64	276	0.77
2018	1015	-0.15	0.04	-0.03	1158	-0.37	-0.05	-0.23	396	-0.66	449	0.88	1158	96	371	0.50	278	-1.16
2019	918	0.14	-0.04	0.03	1197	-0.04	-0.04	-0.06	211	0.13	402	0.17	1197	98	388	0.18	281	-0.50
2020	1075	0.00	0.00	0.00	1160	0.00	0.00	0.00	420	0.00	403	0.00	1160	97	418	0.00	307	0.00
2021	1346	-0.01	0.07	0.06	1556	-0.15	0.03	-0.05	595	-0.06	448	0.30	1556	98	506	-0.96	366	0.31
2022	1671	0.06	0.05	0.08	1913	0.01	0.05	0.05	840	-0.39	559	0.10	1913	98	594	-1.72	376	1.12
2023	1629	0.01	0.12	0.12	1955	0.09	0.11	0.15	652	0.02	436	0.22	1952	100	538	0.34	122	-0.26
2024	1883	0.14	0.13	0.20	2137	0.35	0.14	0.31	796	0.50	75	1.01	2136	101	221	-1.99		
2025	1151	0.38	0.20	0.39	1286	0.70	0.19	0.54	125	1.85			1286	106				

Genetic Trends of Flock																		
Birth Year	Pre-Wean EBV				Weaning Weight EBV				Post Wean		Lambs Weaned		TWW		AFL		ILP	
	Anim	Dir	Mat	Comb	Anim	Dir	Mat	Comb	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV
2024	6	-0.18	-0.13	-0.22	6	0.44	-0.08	0.14					6	108				
2025	7	0.06	-0.11	-0.08	7	-0.36	-0.13	-0.31					7	104				

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

Traits	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Pre-wean Weight Direct	0.12	0.73	-2.35	-1.51	-1.03	-0.75	-0.46	-0.36	-0.26	-0.07	0.09	0.27	0.47	0.58	0.69	1.03	1.38	2.02	3.64
Pre-wean WEigh Maternal	0.14	0.53	-1.90	-1.07	-0.69	-0.51	-0.30	-0.23	-0.16	-0.02	0.11	0.25	0.41	0.49	0.59	0.86	1.06	1.43	2.28
Weaning Weight Direct	0.20	1.04	-3.68	-2.12	-1.46	-1.09	-0.66	-0.51	-0.36	-0.08	0.17	0.43	0.69	0.86	1.03	1.51	2.00	2.93	5.32
Weaning Weight Maternal	0.14	0.55	-2.00	-1.15	-0.72	-0.55	-0.32	-0.23	-0.16	-0.01	0.12	0.27	0.43	0.52	0.61	0.86	1.07	1.44	2.33
Weaning weight Combined	0.24	0.77	-2.55	-1.64	-1.05	-0.75	-0.41	-0.27	-0.16	0.07	0.26	0.46	0.66	0.77	0.89	1.20	1.46	2.05	3.46
Post-Wean Weight	0.04	1.62	-5.89	-3.64	-2.54	-1.96	-1.25	-1.00	-0.77	-0.36	0.03	0.41	0.81	1.03	1.28	2.02	2.67	4.38	9.53
Number of Lambs Weaned	-0.09	2.64	-10.10	-6.60	-4.40	-3.20	-2.00	-1.60	-1.30	-0.80	-0.30	0.30	1.10	1.50	1.90	3.30	4.50	6.80	15.00
Total Weight Weaned	0.29	1.98	-6.68	-4.24	-2.94	-2.21	-1.39	-1.07	-0.76	-0.21	0.29	0.79	1.30	1.57	1.88	2.80	3.60	5.10	10.16
Age at First Lambing	-1.61	-7.67	47.16	20.15	8.24	4.82	2.86	2.24	1.60	0.51	-0.62	-1.98	-3.50	-4.51	-5.86	-10.14	-17.17	-24.00	-38.25
Interlambing Period	0.45	-4.88	21.27	12.54	9.12	7.04	4.42	3.51	2.67	1.18	0.00	-1.05	-2.26	-2.84	-3.46	-5.22	-6.86	-10.29	-23.48
Growth Index	100	11	57	73	82	86	91	92	94	97	100	102	105	107	109	114	118	129	153
Reproduction Index	99	12	53	73	81	85	89	91	92	95	98	101	105	107	109	115	119	126	143
Logix Merit Index	99	11	62	74	81	85	89	91	93	96	99	102	105	107	109	114	118	126	145

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

All Active Rams

Trait	AVG	SA*	Min	Percentiles (%)																Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99		
Pre-wean Weight Direct	0.16	0.75	-2.35	-1.48	-1.02	-0.74	-0.46	-0.34	-0.24	-0.04	0.15	0.32	0.54	0.63	0.74	1.09	1.44	2.11	3.64	
Pre-wean Weight Maternal	0.15	0.50	-1.31	-0.86	-0.58	-0.45	-0.29	-0.22	-0.16	-0.02	0.11	0.25	0.40	0.48	0.58	0.86	1.03	1.37	2.03	
Weanweight Direct	0.25	1.07	-3.06	-2.23	-1.42	-1.09	-0.64	-0.46	-0.31	-0.02	0.21	0.46	0.75	0.91	1.10	1.59	2.15	2.95	5.32	
Weanweight Maternal	0.15	0.52	-1.41	-0.97	-0.64	-0.49	-0.30	-0.22	-0.15	-0.02	0.11	0.27	0.43	0.52	0.61	0.86	1.02	1.38	2.12	
Weanweight Combined	0.27	0.76	-2.40	-1.59	-0.99	-0.70	-0.37	-0.26	-0.14	0.08	0.30	0.49	0.70	0.81	0.93	1.23	1.47	2.01	2.80	
Post-Wean Weight	0.05	1.69	-5.89	-4.20	-2.69	-1.97	-1.25	-1.00	-0.77	-0.34	0.04	0.43	0.82	1.05	1.31	2.10	2.72	4.55	9.53	
Number of Lambs Weaned	-0.24	2.28	-8.20	-5.60	-3.90	-2.90	-1.90	-1.50	-1.30	-0.90	-0.40	0.00	0.70	1.00	1.40	2.80	3.70	6.00	10.00	
Total Weight Weaned	0.25	1.89	-6.02	-4.08	-2.87	-2.11	-1.34	-1.04	-0.75	-0.23	0.25	0.74	1.26	1.52	1.77	2.66	3.34	4.76	7.46	
Age at First Lambing	-1.94	-7.75	38.67	19.70	6.49	3.86	2.50	1.99	1.41	0.45	-0.50	-1.92	-3.41	-4.35	-5.75	-10.96	-18.95	-25.08	-38.25	
Interlambing Period	0.26	-4.33	17.20	11.41	8.15	6.04	3.79	3.03	2.20	0.82	-0.23	-1.21	-2.33	-2.84	-3.30	-4.75	-6.06	-8.88	-23.48	
Growth Index	100	12	59	71	81	86	91	92	94	97	100	103	106	107	109	115	119	129	153	
Reproduction Index	99	11	68	77	82	86	89	91	92	95	98	101	105	107	109	115	118	124	140	
Logix Merit Index	99	11	64	75	80	85	90	91	93	96	99	102	106	107	109	114	118	125	134	

All Active Ewes

Trait	AVG	SA*	Min	Percentiles (%)																Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99		
Pre-wean Weight Direct	0.11	0.72	-2.28	-1.52	-1.03	-0.75	-0.47	-0.36	-0.27	-0.10	0.07	0.24	0.44	0.55	0.67	1.01	1.35	1.99	2.98	
Pre-wean Weight Maternal	0.14	0.55	-1.90	-1.13	-0.74	-0.55	-0.31	-0.23	-0.16	-0.02	0.11	0.25	0.41	0.50	0.60	0.85	1.07	1.47	2.28	
Weanweight Direct	0.17	1.03	-3.68	-2.10	-1.48	-1.09	-0.68	-0.52	-0.38	-0.11	0.14	0.41	0.66	0.82	1.00	1.46	1.93	2.93	4.29	
Weanweight Maternal	0.14	0.57	-2.00	-1.23	-0.77	-0.58	-0.33	-0.24	-0.16	-0.01	0.13	0.27	0.43	0.53	0.61	0.87	1.08	1.48	2.33	
Weanweight Combined	0.23	0.78	-2.55	-1.65	-1.09	-0.77	-0.43	-0.29	-0.17	0.06	0.25	0.44	0.64	0.75	0.87	1.19	1.46	2.05	3.46	
Post-Wean Weight	0.04	1.59	-5.52	-3.51	-2.49	-1.96	-1.25	-1.01	-0.77	-0.36	0.02	0.40	0.81	1.01	1.26	1.98	2.61	4.30	7.81	
Number of Lambs Weaned	-0.01	2.80	-10.10	-6.90	-4.50	-3.30	-2.10	-1.70	-1.30	-0.70	-0.20	0.50	1.30	1.70	2.20	3.50	4.80	7.00	15.00	
Total Weight Weaned	0.31	2.02	-6.68	-4.31	-2.99	-2.26	-1.42	-1.10	-0.77	-0.20	0.30	0.81	1.33	1.59	1.93	2.88	3.70	5.25	10.16	
Age at First Lambing	-1.45	-7.63	47.16	20.98	8.97	5.23	3.05	2.42	1.72	0.53	-0.66	-2.01	-3.57	-4.57	-5.91	-9.94	-16.59	-23.40	-37.74	
Interlambing Period	0.54	-5.12	21.27	13.15	9.50	7.44	4.78	3.74	2.86	1.35	0.11	-0.97	-2.19	-2.84	-3.55	-5.57	-7.34	-10.86	-23.14	
Growth Index	100	11	57	74	82	86	91	92	94	97	100	102	105	107	109	114	118	129	145	
Reproction Index	99	12	53	71	81	85	89	91	93	96	98	101	105	107	109	115	119	127	143	
Logix Merit Index	99	11	62	74	81	84	89	91	93	96	99	102	105	107	109	114	118	126	145	

*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 above 124
Above breed average
Indices below 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					Selection Indices			EBV - Weights								EBV - Fertility							
Animal			Parents		% In-breeding	Logix Merit Index	Growth Index	Repro-duction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weaned	TWW	AFL	ILP	Dam			
Comp.no.			Sire	Dam					Acc	Index	Acc	Index	EBV	EBV	EBV	Acc	Index	Acc	Index	Acc	Index	Acc	Index
Active breed average:					100	100	100	0.12	0.14	0.20	0.20	0.14	0.24	0.04	-0.08	0.29	-1.61	0.44					
373 22 0011 94243466	353 20 0007 373 16 0062	7.25	90	88	93	-0.55 40	-0.08 90	-0.35 89	-0.53 54	-0.14 92	-0.40 25	-0.66 93	-0.10 20	-0.73 35	-0.74 17	-0.29 16	93	2					
337 22 0036 94225661	284 17 0020 337 19 0054	7.27	116	121	104	1.79 60	-0.10 126	0.80 110	2.38 59	0.05 123	1.24 39	2.80 97	1.60 34	3.39 46	9.50 27	5.10 26	106	4					
284 22 0121 94219417	274 20 0117 284 15 0103	4.26	108	86	117	-0.19 68	-0.12 95	-0.22 91	-1.09 66	-0.18 86	-0.72 38	0.91 92	6.90 34	2.87 48	5.69 30	-8.21 24	253	9					
392 24 0005 107016958	636 22 0031 337 22 0025	7.79	105	96	101	0.58 55	-0.45 107	-0.16 92	0.33 53	-0.37 101	-0.21 31	0.02 88	2.20 23	1.28 38	-3.31 22	-1.44 105	105	2					
392 24 0012 108914938	636 22 0031 301 22 0352	18.93	103	105	104	-0.09 53	0.27 97	0.23 100	0.99 51	0.38 108	0.87 29	0.99 104	1.40 24	2.21 36	-0.19 97	5.37 22	91	2					
392 25 0002 110259660	373 22 0011 301 22 0115	11.47	98	99	96	0.04 51	0.08 99	0.10 97	0.28 52	0.10 101	0.24 29	-1.04 98	0.30 27	0.56 37	-1.73 26	4.49 23	95	1					
392 25 0004 110259678	373 22 0011 284 22 0124	6.35	100	86	106	-0.41 37	-0.08 92	-0.29 90	-0.96 41	-0.16 87	-0.63 23	-0.44 93	3.40 20	0.93 29	1.17 19	-5.58 16	91	2					
Ram Herd Average Total rams in herd: 7					103	97	103	0.17	-0.07	0.02	0.20	-0.05	0.06	0.37	2.24	1.50	1.49	-0.08					

Ewes



*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices above 124
Above breed average
Indices below 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				Selection Indices			EBV - Weights								EBV - Fertility				
Animal	Parents			% In-breeding	Logix Merit Index	Growth Index	Repro-duction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weaned	TWW	AFL	ILP	Phenotype
Comp.no.	Sire	Dam						EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EPI Times Lambed
Active breed average:					100	100	100	0.12	0.14	0.20	0.20	0.14	0.24	0.04	-0.08	0.29	-1.61	0.44	
337 22 0025 94224888	284 19 0042 337 18 0085	5.86		109	96	107	0.43 67 105	-0.74 56 80	-0.53 85	0.97 66 108	-0.71 48 81	-0.23 92	0.22 55 101	2.20 35 109	1.57 52 106	-7.96 31 109	-9.43 32 124	105	2
284 22 0052 94218492	301 19 0130 284 16 0079	8.41		95	92	101	-0.12 67 96	0.09 56 98	0.03 96	-0.55 65 92	0.05 50 97	-0.23 92	0.41 59 103	-0.80 43 96	-0.98 54 91	-0.62 41 98	-7.31 37 119	96	2
284 22 0061 94219896	301 19 0130 284 18 0038	7.12		104	101	103	0.67 66 108	0.03 54 97	0.36 102	0.21 65 100	0.01 47 96	0.11 97	0.37 57 102	0.10 40 100	0.28 52 99	3.61 39 92	-5.34 35 114	95	2
284 22 0094 94218955	284 17 0020 284 19 0043	10.10		112	111	98	1.62 64 123	-0.66 47 82	0.15 98	2.07 63 120	-0.56 41 84	0.48 103	1.18 59 108	1.70 38 107	2.53 49 112	-0.99 37 99	3.52 32 94		2
301 22 0115 95162970	301 19 0044 301 16 0187	10.91		100	101	94	0.43 68 105	0.30 61 103	0.52 105	-0.14 67 96	0.35 53 103	0.28 100	-2.33 47 84	0.70 51 103	0.63 58 101	-2.72 49 101	9.27 43 80	95	1
284 22 0124 94219474	274 20 0117 284 15 0103	4.26		109	84	119	-0.28 63 94	-0.09 44 94	-0.23 91	-1.38 61 83	-0.17 38 93	-0.86 83	-0.21 56 98	6.90 34 129	2.59 46 112	3.07 35 93	-10.86 29 127	91	2
301 22 0352 95710802	301 21 0075 301 18 0405	18.02		100	103	106	-0.42 62 92	0.74 49 112	0.53 105	0.05 61 98	0.81 43 113	0.83 108	0.75 33 105	0.60 38 102	1.21 49 104	-1.73 35 100	4.18 33 92	91	2
392 24 0002 107016925	636 22 0031 284 22 0052	10.45		93	91	99	-0.79 54 86	0.03 36 97	-0.36 89	-0.12 52 96	0.02 31 97	-0.04 95	0.03 31 100	0.80 26 103	0.38 38 99	0.37 26 97	-0.38 24 103		0
392 24 0006 107016966	636 22 0031 337 22 0025	7.79		103	97	103	-0.17 55 95	-0.42 36 87	-0.51 86	1.05 53 109	-0.37 31 88	0.15 98	0.31 29 102	2.20 23 109	2.00 38 109	-3.31 22 102	-1.44 21 105		0
392 24 0008 107016982	636 22 0031 284 22 0123	7.46		104	91	109	-0.42 54 92	-0.07 34 95	-0.28 90	-0.29 52 94	-0.07 29 95	-0.21 92	-0.23 30 98	4.60 23 119	2.40 36 111	3.73 24 92	-1.68 19 106		0
392 24 0009 107016990	636 22 0031 284 22 0123	7.46		109	98	112	-0.20 54 95	-0.12 34 94	-0.22 91	0.66 52 105	-0.08 29 94	0.25 99	0.50 30 103	4.60 23 119	3.35 36 117	3.73 24 92	-1.68 19 106		0
392 25 0003 110259652	373 22 0011 301 22 0115	11.47		94	92	92	0.03 51 98	0.12 33 99	0.14 98	-0.76 52 89	0.11 29 98	-0.27 91	-1.77 27 88	0.30 27 101	-0.47 37 94	-1.73 26 100	4.49 23 91		0
Ewe Herd Average:					103	96	103	0.06	-0.07	-0.04	0.15	-0.05	0.02	-0.06	1.99	1.29	-0.38	-1.39	
Total ewes in herd: 12																			

Sires used in Flock



Genotyped

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices above 124
Above breed average
Indices below 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

Dier Inligting		Ouers & Nageslag				Seleksie Indekse			EBV - Gewigte								EBV - Vrugaarheid				
Animal ID Computer nr	%Inbreeding	1st generation		2nd generation		Logix Merit Index	Growth Index	Reproduction Index	Pre-wean Weight			Wean Weight			Post Wean	Lambs Weaned	TWW	AFL	ILP		
		Sire ID Dam ID	Progeny Number weaned	Progeny Number herds	Dir EBV Acc				Mat EBV Index	Comb EBV Index	Dir EBV Acc	Mat EBV Index	Comb EBV Index								
		Active Breed Average:				100	100	100	0.12	0.14	0.20	0.20	0.14	0.24	0.04	-0.08	0.29	-1.61	0.44		
284 17 0020 79576047	12.41	284 15 0006 284 13 0060	52	2	13	2	105	103	87	1.50 88	-1.18 121	-0.43 87	1.90 87	-1.17 118	-0.22 58	1.26 72	82	3.40 52	2.78 114	12.18 68	8.28 113
284 19 0042 84257625	6.11	350 17 0087 284 15 0127	80	4	19	3	112	102	112	0.75 89	-0.53 110	-0.15 93	1.17 90	-0.42 110	0.17 65	1.07 87	83	0.10 58	0.81 100	-19.20 73	-14.26 102
301 19 0044 84452556	12.68	301 13 0033 301 12 0060	347	6	116	5	94	98	86	0.45 97	0.29 105	0.52 105	-0.51 97	0.31 92	0.06 86	-4.76 103	83	-1.90 83	-1.33 91	-5.86 81	9.32 106
301 19 0130 84454438	13.78	301 13 0033 301 17 0235	41	2	14	2	105	133	97	1.59 87	1.02 123	1.81 129	2.49 86	1.16 124	2.41 132	4.05 78	128	-5.90 59	0.12 74	3.74 56	6.92 92
353 20 0007 89666739	15.01	301 18 0247 301 16 0197	23	1			92	98	96	-0.56 62	0.45 89	0.17 99	0.10 77	0.46 99	0.51 43	-0.01 106	52	-1.90 40	-0.58 91	-5.64 34	3.15 105
274 20 0117 92035492	28.21	274 15 0048 274 15 0049	14	3	2	1	91	76	97	-0.34 72	-0.67 93	-0.84 80	-1.48 71	-0.78 82	-1.52 43	-1.37 73	60	0.70 33	-1.84 103	3.76 51	-14.86 34
301 21 0075 92636950	12.36	301 16 0020 301 15 0088	34	2	7	1	87	81	104	-1.88 83	0.66 69	-0.28 110	-1.80 82	0.63 78	-0.27 57	-0.71 109	91	1.10 54	-0.51 104	-7.93 66	-0.28 94
373 22 0011 94243466	7.25	353 20 0007 373 16 0062	2	1			90	88	93	-0.55 40	-0.08 90	-0.35 89	-0.53 54	-0.14 92	-0.40 25	-0.66 93	89	-0.10 20	-0.73 99	-0.74 17	-0.29 102
636 22 0031 95104352	24.32	636 20 0004 636 20 0003	6	1			101	100	100	-0.26 59	-0.14 94	-0.27 90	1.06 58	-0.04 109	0.49 39	0.49 95	103	2.30 30	2.40 109	1.35 44	6.55 111
Sire Flock Average: Number of sires used in flock: 9							97	98	97	0.08	-0.02	0.02	0.27	0.00	0.14	-0.07		-0.08	0.12	-2.04	0.50

Ram Selection list: LMI

Animals are sorted on LMI



Genotyped

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices above 124
Bokant rasgemiddeld
Indices below 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		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	Growth Index	Repro- duction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weaned	TWW	AFL	ILP			
			Prog	Nr	Prog	Nr				EBV	EBV	EBV	Wean	Wean	Wean	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV
			weaned	Herds	weaned	Herds				Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index
			Active breed average:				100	100	100	0.12	0.14	0.20	0.20	0.14	0.24	0.04	-0.08	0.29	-1.61	0.44			
337 22 0036 94225661	7.27	284 17 0020 337 19 0054					116	121	104	1.79 60 126	-0.10 45 94	0.80 110	2.38 59 123	0.05 39 97	1.24 114	2.80 54 119	1.60 34 106	3.39 46 117	9.50 27 84	5.10 26 90			
284 22 0121 94219417	4.26	274 20 0117 284 15 0103	5	1			108	86	117	-0.19 68 95	-0.12 45 94	-0.22 91	-1.09 66 86	-0.18 38 92	-0.72 85	0.91 56 106	6.90 34 129	2.87 48 114	5.69 30 89	-8.21 24 121			
392 24 0005 107016958	7.79	636 22 0031 337 22 0025					105	96	101	0.58 55 107	-0.45 36 87	-0.16 92	0.33 53 101	-0.37 31 88	-0.21 92	0.02 29 100	2.20 23 109	1.28 38 105	-3.31 22 102	-1.44 21 105			
392 24 0012 108914938	18.93	636 22 0031 301 22 0352					103	105	104	-0.09 53 97	0.27 34 102	0.23 100	0.99 51 108	0.38 29 104	0.87 109	0.99 19 107	1.40 24 106	2.21 36 110	-0.19 24 97	5.37 22 89			
392 25 0004 110259678	6.35	373 22 0011 284 22 0124					100	86	106	-0.41 37 92	-0.08 25 94	-0.29 90	-0.96 41 87	-0.16 23 93	-0.63 86	-0.44 31 97	3.40 20 114	0.93 29 103	1.17 19 96	-5.58 16 115			
392 25 0002 110259660	11.47	373 22 0011 301 22 0115					98	99	96	0.04 51 99	0.08 33 98	0.10 97	0.28 52 101	0.10 29 98	0.24 99	-1.04 27 93	0.30 27 101	0.56 37 100	-1.73 26 100	4.49 23 91			
373 22 0011 94243466	7.25	353 20 0007 373 16 0062	2	1			90	88	93	-0.55 40 90	-0.08 24 94	-0.35 89	-0.53 54 92	-0.14 25 93	-0.40 89	-0.66 26 95	-0.10 20 99	-0.73 35 93	-0.74 17 98	-0.29 16 102			

Ewe Selection list: LMI

Animals are sorted on LMI



Genotyped

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices above 124
Bokant rasgemiddeld
Indices below 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		Parents		Selection Indices			EBV - Weights								EBV - Fertility				
Animal ID Comp.no.	%In-breeding	Sire ID Dam ID		Logix Merit Index	Growth Index	Reprod Index	PreW Dir EBV Acc	PreW Mat EBV Acc	PreW Comb EBV Index	Wean Dir EBV Acc	Wean Mat EBV Acc	Wean Comb EBV Index	Post Wean EBV Acc		Lambs Weaned EBV Acc	TWW EBV Acc	AFL EBV Acc	ILP EBV Acc	Phenotype EPI Times Lambe
Active breed average:				100	100	100	0.12	0.14	0.20	0.20	0.14	0.24	0.04		-0.08	0.29	-1.61	0.44	
284 22 0094 94218955	10.10	284 17 0020 284 19 0043		112	111	98	1.62 64 123	-0.66 47 82	0.15 98	2.07 63 120	-0.56 41 84	0.48 103	1.18 59 108		1.70 38 107	2.53 49 112	-0.99 37 99	3.52 32 94	2
284 22 0124 94219474	4.26	274 20 0117 284 15 0103		109	84	119	-0.28 63 94	-0.09 44 94	-0.23 91	-1.38 61 83	-0.17 38 93	-0.86 83	-0.21 56 98		6.90 34 129	2.59 46 112	3.07 35 93	-10.86 29 127	91 2
337 22 0025 94224888	5.86	284 19 0042 337 18 0085		109	96	107	0.43 67 105	-0.74 56 80	-0.53 85	0.97 66 108	-0.71 48 81	-0.23 92	0.22 55 101		2.20 35 109	1.57 52 106	-7.96 31 109	-9.43 32 124	105 2
392 24 0009 107016990	7.46	636 22 0031 284 22 0123		109	98	112	-0.20 54 95	-0.12 34 94	-0.22 91	0.66 52 105	-0.08 29 94	0.25 99	0.50 30 103		4.60 23 119	3.35 36 117	3.73 24 92	-1.68 19 106	0
284 22 0061 94219896	7.12	301 19 0130 284 18 0038		104	101	103	0.67 66 108	0.03 54 97	0.36 102	0.21 65 100	0.01 47 96	0.11 97	0.37 57 102		0.10 40 100	0.28 52 99	3.61 39 92	-5.34 35 114	95 2
392 24 0008 107016982	7.46	636 22 0031 284 22 0123		104	91	109	-0.42 54 92	-0.07 34 95	-0.28 90	-0.29 52 94	-0.07 29 95	-0.21 92	-0.23 30 98		4.60 23 119	2.40 36 111	3.73 24 92	-1.68 19 106	0
392 24 0006 107016966	7.79	636 22 0031 337 22 0025		103	97	103	-0.17 55 95	-0.42 36 87	-0.51 86	1.05 53 109	-0.37 31 88	0.15 98	0.31 29 102		2.20 23 109	2.00 38 109	-3.31 22 102	-1.44 21 105	0
301 22 0115 95162970	10.91	301 19 0044 301 16 0187		100	101	94	0.43 68 105	0.30 61 103	0.52 105	-0.14 67 96	0.35 53 103	0.28 100	-2.33 47 84		0.70 51 103	0.63 58 101	-2.72 49 101	9.27 43 80	95 1
301 22 0352 95710802	18.02	301 21 0075 301 18 0405		100	103	106	-0.42 62 92	0.74 49 112	0.53 105	0.05 61 98	0.81 43 113	0.83 108	0.75 33 105		0.60 38 102	1.21 49 104	-1.73 35 100	4.18 33 92	91 2
284 22 0052 94218492	8.41	301 19 0130 284 16 0079		95	92	101	-0.12 67 96	0.09 56 98	0.03 96	-0.55 65 92	0.05 50 97	-0.23 92	0.41 59 103		-0.80 43 96	-0.98 54 91	-0.62 41 98	-7.31 37 119	96 2
392 25 0003 110259652	11.47	373 22 0011 301 22 0115		94	92	92	0.03 51 98	0.12 33 99	0.14 98	-0.76 52 89	0.11 29 98	-0.27 91	-1.77 27 88		0.30 27 101	-0.47 37 94	-1.73 26 100	4.49 23 91	0
392 24 0002 107016925	10.45	636 22 0031 284 22 0052		93	91	99	-0.79 54 86	0.03 36 97	-0.36 89	-0.12 52 96	0.02 31 97	-0.04 95	0.03 31 100		0.80 26 103	0.38 38 99	0.37 26 97	-0.38 24 103	0

Suffolk Genetic Analysis

SA Stud Book

04 March 2026