



ILE DE FRANCE GENETIC REPORT

04 September 2026



EBRAHIM SHEIK

FDM : ES



**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.

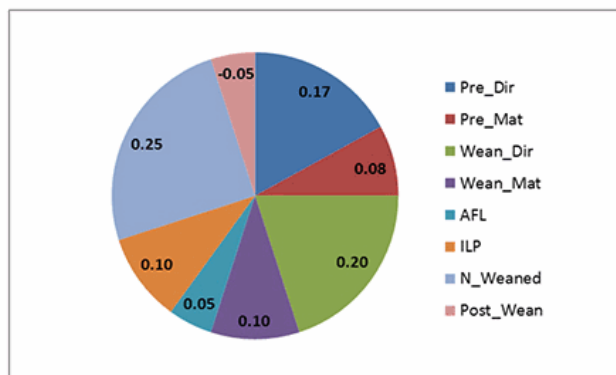
Selection Indices

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:

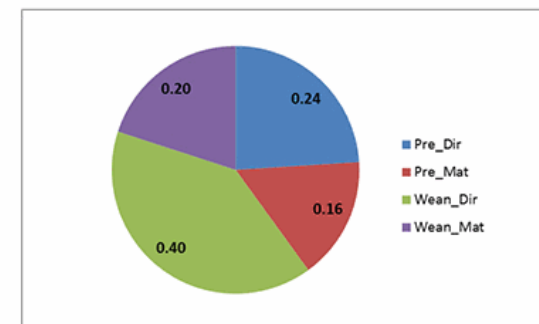
Logix Merit Index (LMI)

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.



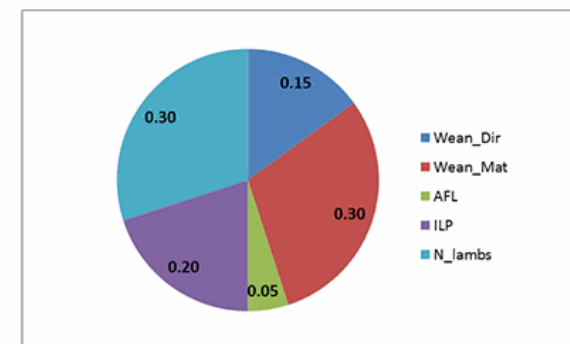
Growth Index (GI)

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.

Ile de France

Genetic Averages of Animals

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Pre-wean Direct	1.06	1.25	0.89	0.30	0.33	0.28
Pre-wean Maternal	0.03	0.03	0.03	0.05	0.06	0.05
Pre-wean Combined	0.56	0.65	0.48	0.20	0.22	0.19
Weaning Weight Direct	1.17	1.38	0.97	0.51	0.60	0.47
Weaning Weight Mat	0.14	0.15	0.13	0.09	0.10	0.09
Weaning Weight Comb	0.72	0.84	0.61	0.35	0.40	0.32
Post-wean Weight	0.71	1.22	0.25	0.24	0.35	0.19
Lambs Weaned	-2.00	-1.95	-2.05	0.12	0.25	0.07
Total Weight Weaned	0.10	0.36	-0.13	0.67	0.85	0.60
Age at First Lambing	0.14	-0.26	0.51	0.32	0.28	0.33
Inter-lambing Period	5.17	7.27	3.25	0.62	0.68	0.59
Selection Index						
Logix Merit Index	100	101	100	100	101	100
Growth Index	108	110	106	100	101	99
Reproduction Index	94	94	95	100	101	100
Inbreeding						
Inbreeding coefficient (%)	8.72	7.81	9.43	6.67	6.80	6.62
Number of Animals						
Number of animals	25	11	14	11172	3121	8031

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Pre-wean Direct	111.7	114.7	108.9
Pre-wean Maternal	99.3	99.2	99.4
Pre-wean Combined	109.2	111.6	107.0
Weaning Weight Direct	106.7	109.1	104.6
Weaning Weight Mat	101.6	102.0	101.3
Weaning Weight Comb	106.2	108.3	104.3
Post-wean weight	105.1	110.9	99.8
Lambs Weaned	92.6	92.8	92.5
Total Weight Weaned	97.0	98.4	95.7
Age First Lambing	100.5	101.7	99.4
Inter-lambing Period	88.5	83.3	93.3
Selection Indices			
Logix Merit Index	100.5	101.2	99.8
Growth Index	108.0	110.5	105.8
Reproduction Index	94.4	93.6	95.2
Inbreeding			
Inbreeding (%)	8.72	7.81	9.43
Number of Animals			
Number of animals	25	11	14

** Averages of all active animals in the flock.

Inbreeding

Notes

- Inbreeding primarily leads to decreased fertility and low survivability of lambs.
- The effects of inbreeding can be observed from 6.25% onwards.
- It is therefore highly recommended to record pedigree information as accurately and completely as possible and to use a selection programme for selection of unrelated rams.
- Incomplete or incorrect pedigree information can be reported to SA Stud Book. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated. However, this is usually far from the truth. An algorithm is used for the calculation of inbreeding, where the average inbreeding coefficient is assigned to unknown parents based on the generation in which they were born. This result is a more accurate reflection of inbreeding of the herd and breed.

Inbreeding Levels for Specific Matings

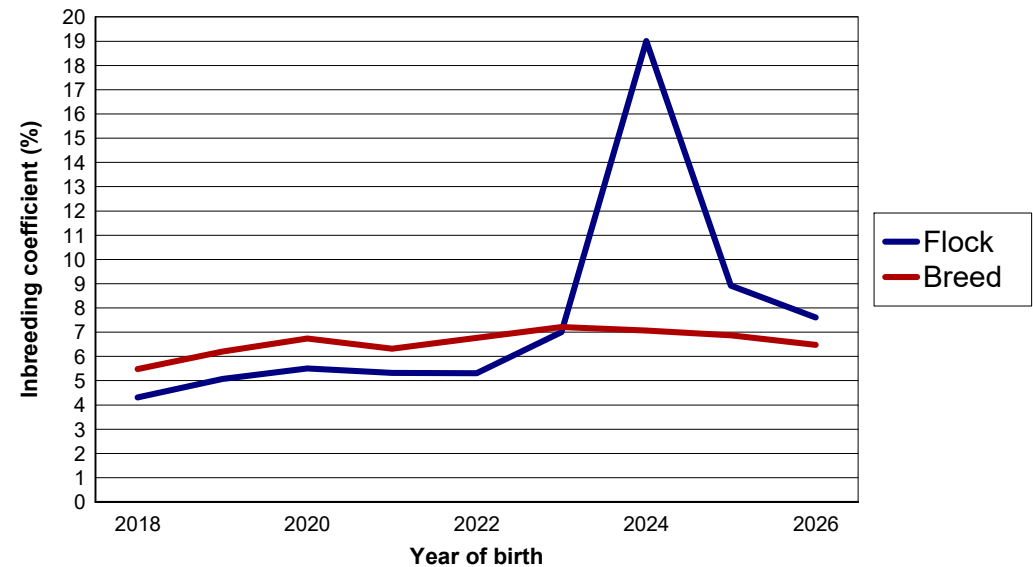
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2018 - 2026	7.61	0.41
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Rate of Inbreeding



Pedigree Information

	Animals	%
Known sires	22	88
Known dams	25	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

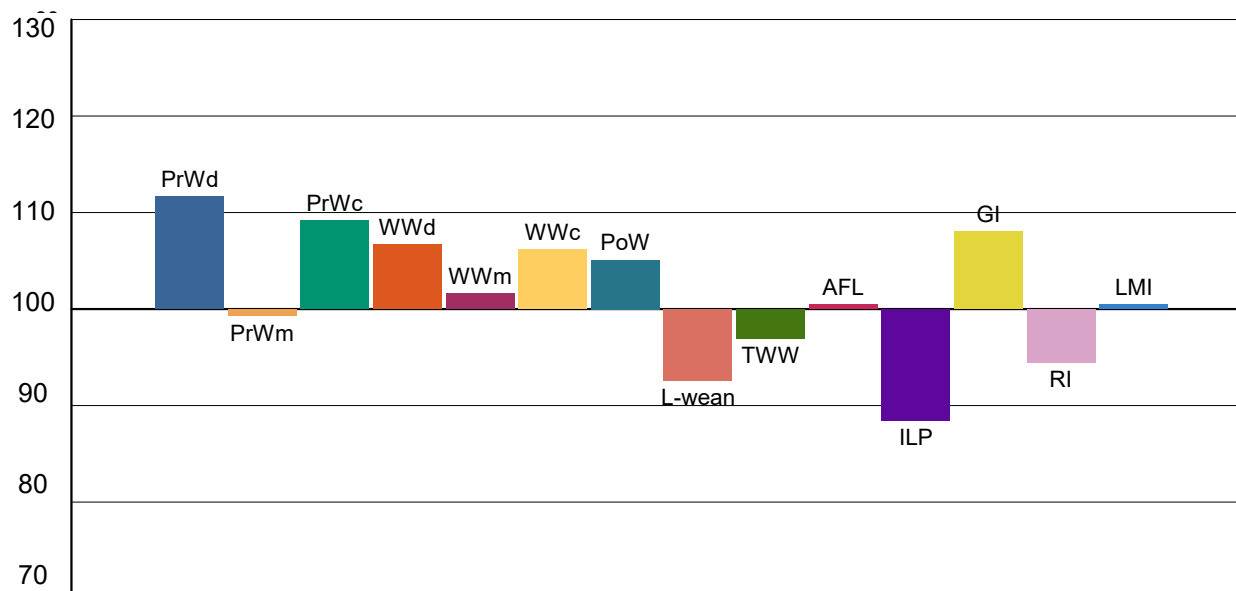
A link ram should have at least 20 measured progeny in your flock and at least another 20 measured progeny in at least one more flock.

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: 23



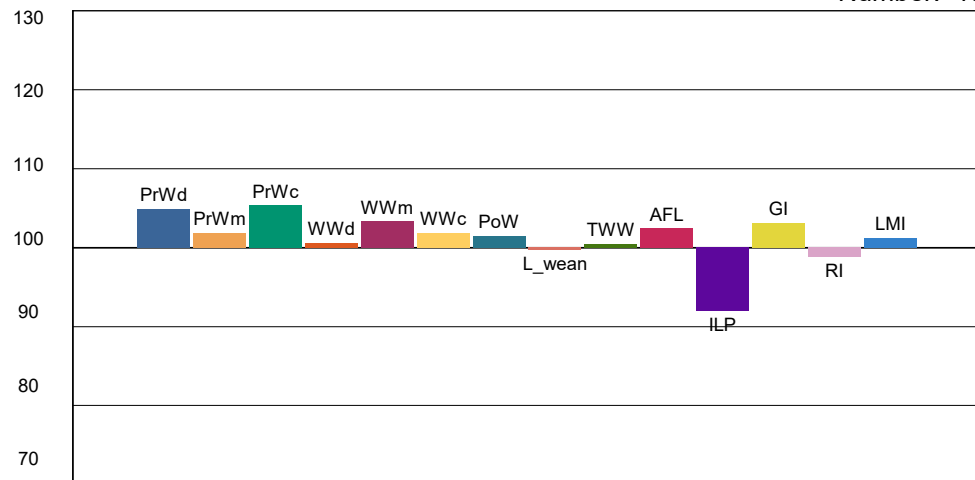
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams younger than 2 years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

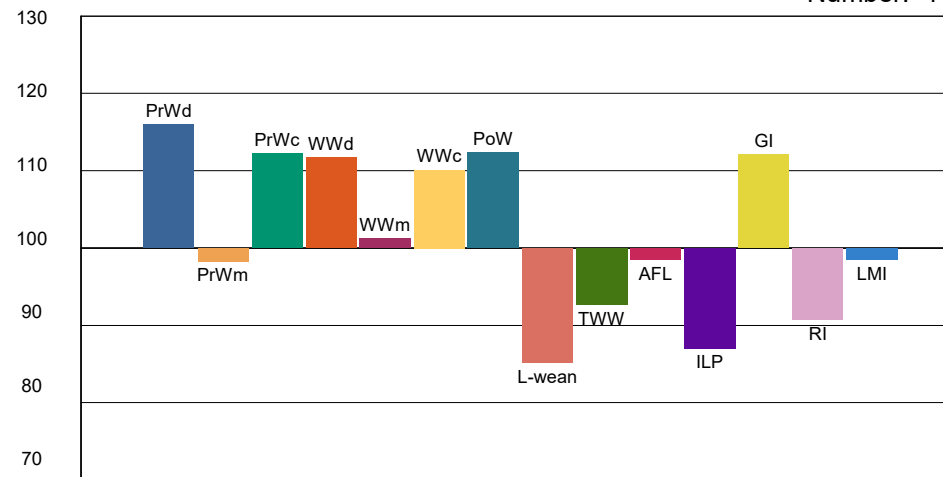
Dams

Number: 15



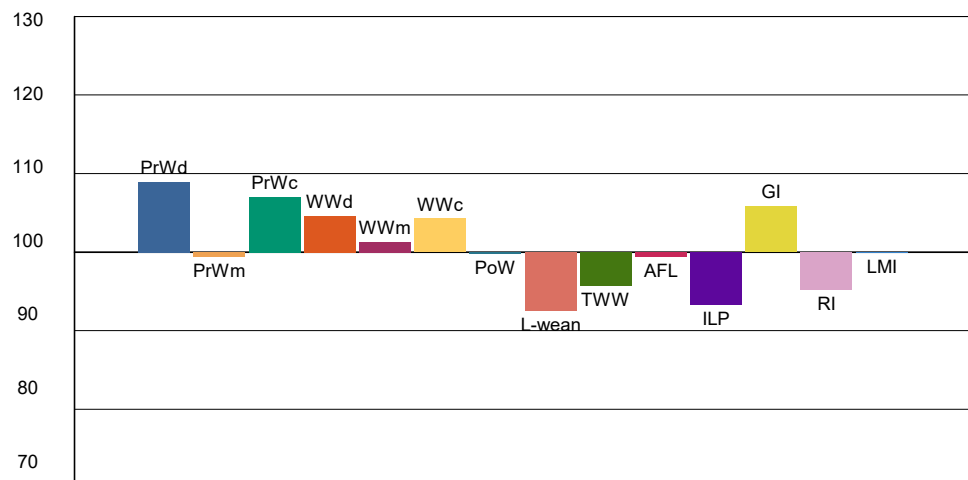
Sires

Number: 11



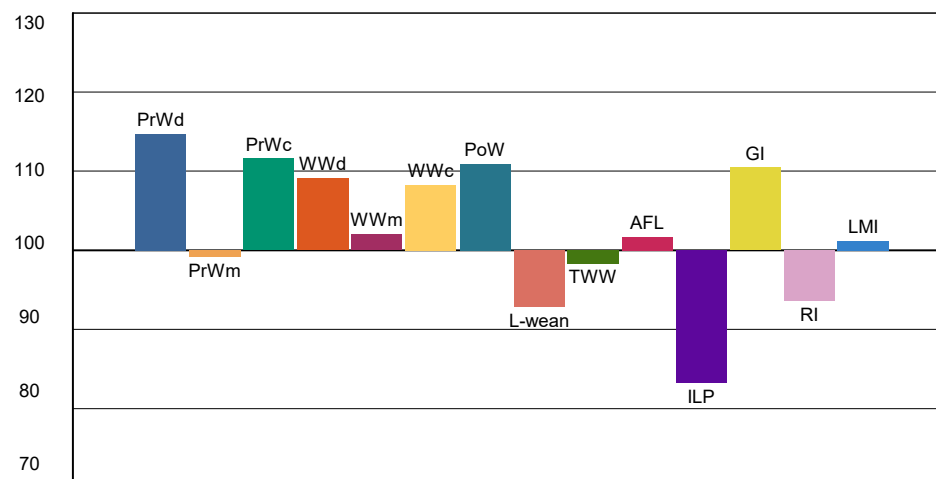
Young Ewes

Number: 12



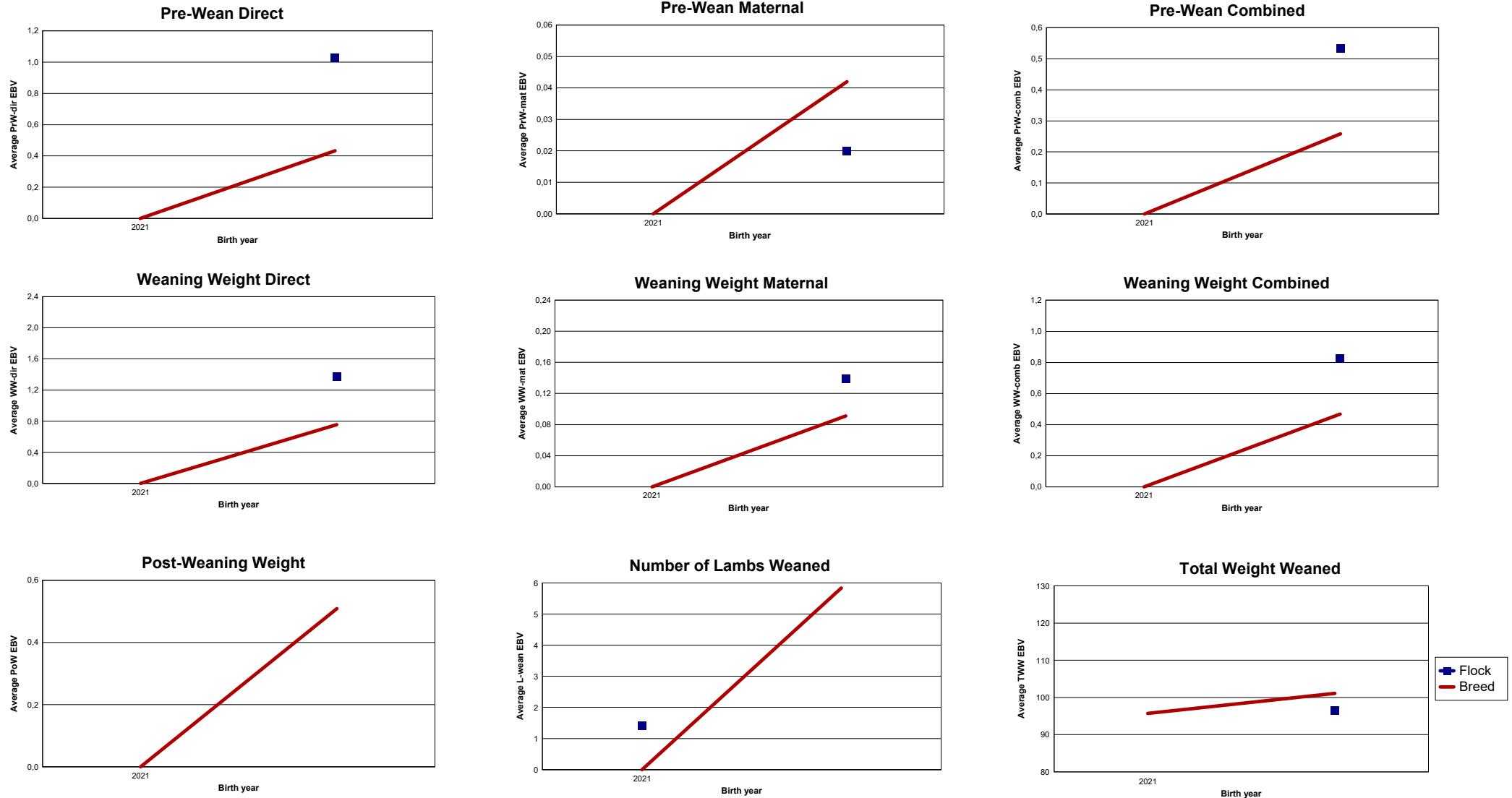
Young Rams

Number: 11



Genetic Trends

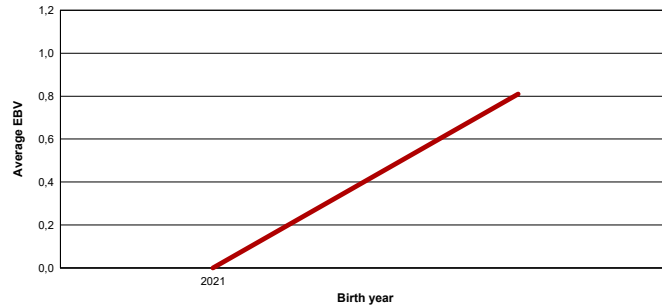
Genetic trends are based on measured animals that were bred by the specific breeder.



Genetic Trends

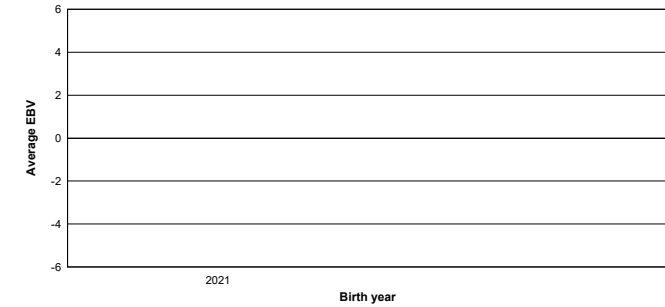
Genetic trends are based on measured animals that were bred by the specific breeder.

Age at First Lambing

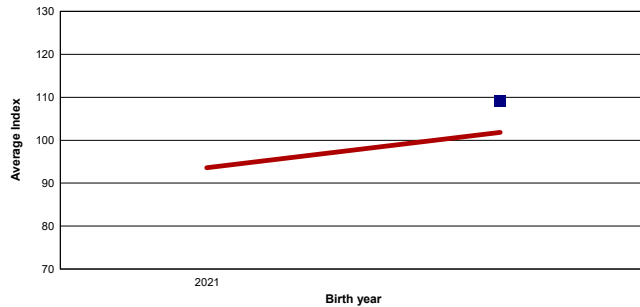


For AFL and ILP flock genetic trends below breed averages are desirable.

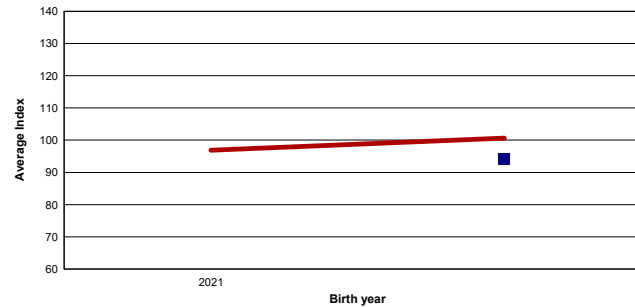
Inter-lambing Period



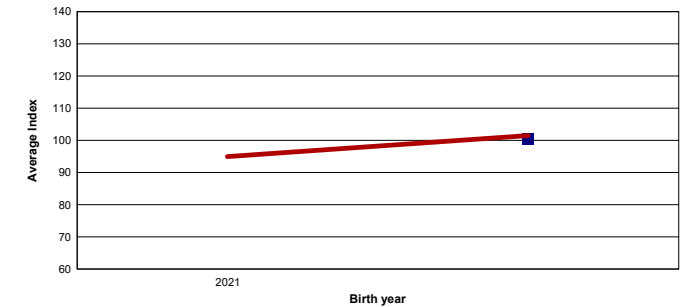
Growth Index (GI)



Reproduction Index (RI)



Logix Merit Index (LMI)



Genetic Trends of Breed

Birth Year	Pre-Wean EBV			Weaning Weight EBV			Post Wean		Lambs Weaned		TWW		AFL		ILP	
	Anim	Dir	Mat	Anim	Dir	Mat	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV
2014	1572	-0.35	0.10	1722	-0.56	0.07	94	-0.62	877	0.26	1722	95	944	0.22	678	0.12
2015	2521	-0.38	0.02	2767	-0.53	-0.02	80	-0.91	1045	0.18	2767	94	1142	0.58	793	-0.08
2016	2430	-0.33	0.00	2668	-0.40	-0.03	11	-0.69	957	0.25	2668	93	960	0.94	662	-0.34
2017	3278	-0.26	-0.04	3670	-0.40	-0.07	74	-0.40	1018	0.05	3670	94	1033	0.70	741	-0.40
2018	3211	-0.24	0.03	3362	-0.35	0.03	224	-0.57	1049	0.61	3362	94	952	0.71	716	0.15
2019	3092	-0.16	0.04	3203	-0.13	0.03	614	-0.05	931	0.37	3200	97	911	-0.08	672	-0.42
2020	2897	0.01	-0.03	2962	-0.08	-0.02	540	-0.18	829	-0.40	2962	95	864	0.51	635	0.88
2021	3261	0.00	0.00	3316	0.00	0.00	505	0.00	944	0.00	3316	96	1062	0.00	727	0.00
2022	4008	0.16	0.04	4208	0.34	0.06	474	0.19	989	0.01	4208	98	1154	0.26	734	0.52
2023	3548	0.26	0.03	3676	0.38	0.06	289	0.38	756	0.10	3676	99	984	-0.05	470	0.42
2024	3664	0.28	0.04	3824	0.45	0.07	778	0.36	442	0.21	3824	99	758	-0.17	103	1.09
2025	3543	0.43	0.04	3625	0.75	0.09	701	0.51	5	5.84	3625	101	66	0.81		

Genetic Trends of Flock

Birth Year	Pre-Wean EBV			Weaning Weight EBV			Post Wean		Lambs Weaned		TWW		AFL		ILP	
	Anim	Dir	Mat	Anim	Dir	Mat	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV	Anim	EBV
2021																
2025	8	1.03	0.02	8	1.37	0.14			1	1.40	8	96				

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	0.30	0.74	-2.65	-1.40	-0.91	-0.63	-0.30	-0.19	-0.08	0.10	0.27	0.46	0.67	0.78	0.90	1.23	1.56	2.13	3.63	
Pre-wean WEigh Maternal	0.05	0.32	-1.52	-0.77	-0.47	-0.34	-0.20	-0.15	-0.10	-0.02	0.06	0.13	0.21	0.26	0.31	0.44	0.56	0.86	1.56	
Weaning Weight Direct	0.51	1.07	-3.60	-1.99	-1.24	-0.85	-0.37	-0.19	-0.03	0.26	0.52	0.77	1.04	1.18	1.36	1.86	2.28	3.12	4.99	
Weaning Weight Maternal	0.09	0.34	-1.50	-0.78	-0.47	-0.33	-0.18	-0.12	-0.07	0.02	0.09	0.17	0.26	0.31	0.36	0.51	0.62	0.93	1.70	
Weaning weight Combined	0.35	0.66	-2.63	-1.31	-0.77	-0.50	-0.19	-0.08	0.03	0.20	0.36	0.52	0.70	0.80	0.90	1.18	1.40	1.80	2.90	
Post-Wean Weight	0.24	1.04	-3.77	-2.26	-1.54	-1.13	-0.62	-0.44	-0.29	-0.01	0.27	0.52	0.79	0.93	1.10	1.55	1.88	2.73	5.23	
Number of Lambs Weaned	0.12	3.24	-14.90	-7.70	-5.20	-4.00	-2.50	-2.00	-1.50	-0.70	0.10	0.90	1.70	2.20	2.70	4.10	5.40	8.10	16.50	
Total Weight Weaned	0.67	2.16	-8.06	-4.27	-2.84	-2.05	-1.14	-0.80	-0.48	0.09	0.64	1.20	1.84	2.16	2.51	3.42	4.13	5.64	12.86	
Age at First Lambing	0.32	-3.83	31.68	9.57	6.03	4.56	3.11	2.59	2.13	1.32	0.53	-0.28	-1.21	-1.70	-2.30	-4.16	-6.16	-10.99	-32.17	
Interlambing Period	0.62	-4.65	29.49	12.61	8.89	6.74	4.41	3.42	2.65	1.34	0.24	-0.82	-1.85	-2.40	-3.10	-4.84	-6.47	-9.94	-19.33	
Growth Index	100	12	56	72	80	84	90	92	94	97	100	103	106	108	110	115	118	127	154	
Reproduction Index	100	12	52	69	81	85	91	93	94	97	100	103	106	108	110	114	118	127	154	
Logix Merit Index	100	12	55	72	81	85	90	92	94	97	100	103	106	108	110	115	119	127	156	

*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	0.33	0.77	-2.26	-1.45	-0.91	-0.62	-0.27	-0.16	-0.05	0.12	0.30	0.50	0.71	0.82	0.95	1.31	1.66	2.27	3.63	
Pre-wean Weight Maternal	0.06	0.29	-1.16	-0.67	-0.43	-0.32	-0.18	-0.13	-0.08	0.00	0.07	0.13	0.20	0.25	0.30	0.42	0.50	0.72	1.06	
Weanweight Direct	0.60	1.12	-3.60	-1.96	-1.23	-0.84	-0.33	-0.15	0.01	0.34	0.61	0.90	1.16	1.30	1.50	2.02	2.46	3.29	4.96	
Weanweight Maternal	0.10	0.30	-1.14	-0.66	-0.41	-0.29	-0.15	-0.09	-0.05	0.04	0.10	0.17	0.25	0.30	0.35	0.47	0.57	0.83	1.12	
Weanweight Combined	0.40	0.65	-2.35	-1.09	-0.71	-0.46	-0.17	-0.04	0.06	0.25	0.42	0.59	0.77	0.86	0.95	1.23	1.42	1.81	2.90	
Post-Wean Weight	0.35	1.05	-3.21	-2.08	-1.47	-1.06	-0.54	-0.37	-0.20	0.14	0.41	0.65	0.90	1.04	1.22	1.65	1.96	2.83	4.04	
Number of Lambs Weaned	0.25	3.09	-11.60	-7.50	-4.80	-3.60	-2.20	-1.80	-1.30	-0.50	0.30	1.00	1.80	2.30	2.70	4.10	5.40	7.80	11.30	
Total Weight Weaned	0.85	2.08	-6.83	-3.93	-2.66	-1.88	-0.96	-0.55	-0.24	0.31	0.86	1.47	2.03	2.31	2.69	3.48	4.16	5.35	8.60	
Age at First Lambing	0.28	-3.51	13.51	9.08	5.52	4.19	2.86	2.36	1.91	1.16	0.43	-0.32	-1.21	-1.63	-2.08	-3.67	-5.44	-10.20	-24.33	
Interlambing Period	0.68	-4.27	21.89	11.78	8.45	6.48	4.18	3.25	2.55	1.31	0.25	-0.71	-1.65	-2.19	-2.79	-4.19	-5.67	-8.51	-13.16	
Growth Index	101	12	56	73	81	85	91	93	95	99	102	105	107	109	111	116	120	128	142	
Reproduction Index	101	11	59	71	82	86	91	93	95	99	101	104	107	108	110	114	118	125	134	
Logix Merit Index	101	12	55	73	82	86	91	93	95	98	101	104	107	109	111	116	119	127	143	

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	0.28	0.73	-2.65	-1.38	-0.92	-0.63	-0.31	-0.20	-0.09	0.10	0.26	0.45	0.65	0.76	0.89	1.20	1.50	2.06	3.19	
Pre-wean Weight Maternal	0.05	0.33	-1.52	-0.79	-0.48	-0.36	-0.21	-0.16	-0.11	-0.03	0.05	0.13	0.22	0.27	0.32	0.45	0.58	0.88	1.56	
Weanweight Direct	0.47	1.05	-3.28	-2.04	-1.24	-0.85	-0.39	-0.21	-0.05	0.24	0.49	0.73	0.99	1.14	1.31	1.80	2.20	2.99	4.99	
Weanweight Maternal	0.09	0.35	-1.50	-0.82	-0.50	-0.35	-0.19	-0.13	-0.08	0.01	0.09	0.18	0.27	0.31	0.37	0.52	0.65	0.96	1.70	
Weanweight Combined	0.33	0.66	-2.63	-1.37	-0.80	-0.52	-0.20	-0.09	0.01	0.18	0.33	0.50	0.67	0.77	0.88	1.16	1.38	1.79	2.71	
Post-Wean Weight	0.20	1.04	-3.77	-2.28	-1.56	-1.14	-0.65	-0.47	-0.32	-0.05	0.21	0.46	0.73	0.88	1.06	1.51	1.84	2.65	5.23	
Number of Lambs Weaned	0.07	3.29	-14.90	-7.80	-5.30	-4.10	-2.60	-2.00	-1.60	-0.70	0.10	0.90	1.70	2.10	2.60	4.10	5.50	8.40	16.50	
Total Weight Weaned	0.60	2.18	-8.06	-4.38	-2.95	-2.13	-1.21	-0.89	-0.58	0.03	0.56	1.12	1.75	2.09	2.44	3.38	4.12	5.76	12.86	
Age at First Lambing	0.33	-3.95	31.68	9.65	6.24	4.73	3.21	2.68	2.22	1.40	0.59	-0.27	-1.21	-1.74	-2.39	-4.35	-6.56	-11.20	-32.17	
Interlambing Period	0.59	-4.79	29.49	13.00	9.02	6.86	4.50	3.49	2.68	1.35	0.23	-0.89	-1.94	-2.50	-3.18	-5.04	-6.81	-10.38	-19.33	
Growth Index	99	12	58	71	80	84	90	92	93	97	100	102	105	107	109	114	118	126	154	
Reproction Index	100	12	52	69	80	85	90	92	94	97	100	103	106	108	110	114	118	127	154	
Logix Merit Index	100	12	55	72	80	85	90	92	93	97	99	102	106	108	110	114	119	127	156	

*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

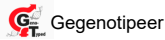
Indices above 124
Above breed average
Indices below 76

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				
Regnumber	Sires	Dams	EBV					EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	Acc	Index	Acc	Index	Acc	Index	EPI
Active breed average:					100	100	100	0.30	0.05	0.20	0.51	0.09	0.35	0.24	0.12	0.67	0.32	0.62					
DTC 22 0161 95094736	DTC LC	20 0340 17 0112	5.54	94	106	90	0.74 59	0.08 107	0.45 43	0.93 101	0.18 64	0.65 104	0.77 38	0.103 103	0.65 105	0.77 51	-2.30 34	-0.26 92	1.17 29	9.53 97	78 27	108 78	5
DTC 23 0117 97911481	DTC DTC	21 0132 21 0066	5.58	102	109	99	0.76 63	0.12 107	0.50 43	1.39 103	0.21 61	0.90 109	0.99 38	0.104 104	0.90 109	0.99 54	-1.20 34	0.87 96	4.14 46	2.61 101	95 30	116 88	5
DTC 23 0131 97658850	DTC DTC	21 0041 20 0186	10.15	100	110	85	2.12 62	-0.37 128	0.69 43	1.66 85	-0.24 60	0.59 112	1.50 37	0.109 89	0.59 104	1.50 54	-3.60 35	-0.74 87	-1.16 29	5.65 104	87 26	93 87	4
JC 23 0364 99164261	JC JC	21 0043 18 0144	5.55	101	102	99	0.60 59	0.21 105	0.51 49	0.19 106	0.23 43	0.33 99	0.23 28	0.105 100	0.33 99	0.23 28	0.80 40	0.90 103	-0.01 48	5.13 101	89 35	99 101	4
ES 25 0001 109734541	DTC DTC	24 0001 23 0065	9.13	106	116	93	1.73 58	-0.21 122	0.66 34	2.43 91	-0.06 56	1.16 121	1.62 29	0.195 95	1.16 114	1.62 42	-2.30 27	0.99 92	0.63 22	5.69 99	87 20	105 87	1
ES 25 0029 111195533	DTC P	22 0161 24 0011	6.81	107	114	102	1.07 53	0.31 112	0.85 31	1.16 110	0.47 53	1.05 107	0.71 26	0.113 113	1.05 112	0.71 27	-1.40 21	0.79 95	-2.03 35	5.48 101	88 20	100 107	1
ES 25 0031 111176152	DTC P	22 0161 24 0011	6.81	107	113	102	1.20 53	0.31 114	0.91 31	0.88 110	0.47 53	0.91 104	0.55 26	0.113 113	0.91 110	0.55 27	-1.40 21	0.51 95	-2.03 35	5.48 99	88 20	100 107	1
DTC 25 0043 110133675	DTC DTC	23 0034 24 0007	13.25	103	119	92	1.89 59	0.23 125	1.18 35	1.65 107	0.37 58	1.20 112	1.34 29	0.110 110	1.20 115	1.34 53	-4.50 27	-0.68 84	1.22 27	8.20 97	81 22	99 81	2
DTC 25 0070 110974110	DTC GE	24 0044 23 0031	7.89	82	88	81	-0.04 58	-0.11 94	-0.13 34	-0.44 94	-0.19 56	-0.41 89	0.20 28	0.190 90	-0.41 86	0.20 51	-1.10 23	-1.29 96	0.33 38	9.82 89	77 22	100 100	1
DTC 26 0004 112880281	DTC P	24 0020 21 0139	7.61	106	120	93	1.85 44	-0.13 124	0.80 34	2.65 93	0.09 115	1.41 43	2.75 123	0.100 30	1.41 119	2.75 34	-2.20 28	1.42 92	-2.54 35	11.19 104	74 25	98 109	5
DTC 26 0005 112880299	DTC P	24 0020 21 0139	7.61	106	120	93	1.85 44	-0.13 124	0.80 34	2.65 93	0.09 115	1.41 43	2.75 123	0.100 30	1.41 119	2.75 34	-2.20 28	1.42 92	-2.54 35	11.19 104	74 25	98 109	5
Ram Herd Average: Total rams in herd: 11					101	110	94	1.25	0.03	0.65	1.38	0.15	0.84	1.22	-1.95	0.36	-0.26	7.27					

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	Reproduction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weaned	TWW	AFL	ILP	EPI	Times Lambed
Comp.no.	Sire	Dam						EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV	Phenotype
								Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	
Active breed average:					100	100	100	0.30	0.05	0.20	0.51	0.09	0.35	0.24	0.12	0.67	0.32	0.62		
ES 20 0428 109531848	-	-	-	5.51																1
ES 21 0005 109532028	ES	18	0029	4.99	94	91	104	-1.00 5 79	0.65 5 122	0.15 98	-1.37 5 79	0.55 5 116	-0.13 91	-2.15 5 73	1.40 5 105		4.25 5 88	1.59 5 97	100	1
ES 23 0013 109531897	ES	20	0428	5.92																0
DTC 23 0065 97085591	DTC	21 20	0013 0117	9.56	106	115	97	1.64 63 121	-0.03 46 97	0.79 115	1.93 62 115	0.12 40 101	1.08 113	1.96 55 119	-1.60 37 94	1.09 48 102	1.99 28 95	4.92 28 89	105	1
DTC 23 0120 97658819	DTC	21 18	0041 0167	8.92	98	110	91	1.18 67 114	-0.09 54 95	0.50 108	1.63 65 112	0.07 46 100	0.89 109	0.61 56 104	-4.50 41 84	-1.00 52 91	1.43 34 97	3.25 27 93	119	2
DTC 23 0177 98498769	DTC	21 19	0041 0056	6.46	106	99	103	1.11 64 113	-0.11 50 94	0.45 106	0.10 62 95	-0.05 43 95	0.00 94	-0.07 56 96	0.50 38 102	0.35 49 98	0.77 32 99	-6.16 27 117	97	1
P 24 0011 99387466	P	22 22	0040 0128	19.01	114	115	113	0.81 61 108	0.61 45 121	1.02 121	0.66 61 101	0.77 36 123	1.10 113	-0.01 17 97	-0.40 25 99	1.19 43 103	-5.23 29 117	1.42 22 98	100	1
ES 25 0002 109734533	DTC	24 23	0001 0065	9.13	98	106	91	1.01 58 111	-0.12 34 94	0.38 105	1.43 56 110	-0.04 29 96	0.67 105	0.73 42 105	-2.30 27 92	0.01 39 97	0.63 22 99	5.69 20 87		0
ES 25 0025 110896560	DTC	24 23	0001 0120	10.86	96	107	88	1.05 50 112	-0.18 37 92	0.35 104	1.58 49 111	-0.07 31 95	0.72 106	0.33 42 101	-3.80 29 86	-0.78 37 92	0.35 24 100	4.85 20 89		0
ES 25 0025 111577797	DTC	24 23	0001 0120	10.86	95	105	88	0.81 59 108	-0.16 37 92	0.25 101	1.45 57 110	-0.07 31 95	0.66 105	0.18 42 99	-3.80 29 86	-0.89 41 92	0.35 24 100	4.85 20 89		0
ES 25 0026 110896586	DTC	24 23	0001 0120	10.86	94	104	88	0.70 59 106	-0.15 37 93	0.20 100	1.43 57 110	-0.07 31 95	0.65 105	0.13 42 99	-3.80 29 86	-0.92 41 91	0.35 24 100	4.85 20 89		0
ES 25 0027 110896578	DTC	24 23	0001 0120	10.86	97	108	89	1.14 59 113	-0.19 37 91	0.38 104	1.74 57 113	-0.07 31 94	0.80 108	0.47 42 102	-3.80 29 86	-0.62 41 93	0.35 24 100	4.85 20 89		0
ES 25 0030 111195541	DTC	22 24	0161 0011	6.81	102	107	100	0.57 53 104	0.37 31 112	0.66 112	0.46 53 99	0.48 26 114	0.71 106	0.08 27 98	-1.40 21 95	0.10 35 97	-2.03 20 107	5.48 18 88		0
DTC 25 0039 109378737	DTC	23 23	0034 0177	12.34	100	103	91	1.61 59 120	-0.21 35 91	0.60 110	0.65 58 101	-0.12 29 93	0.20 97	0.70 46 105	-1.10 27 96	-0.13 40 96	2.88 26 92	3.35 20 93		0
Ewe Herd Average:					100	106	95	0.89	0.03	0.48	0.97	0.13	0.61	0.25	-2.05	-0.13	0.51	3.25		
Total ewes in herd: 14																				

Sires used in Flock



Gegenotipeer

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices above 124
Above breed average
Indices below 76

Acc: Accuracy of the breeding value
EBV's 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 - Vrugbaarheid						
Animal ID Regnr	% In-breeding	Sire ID Dam ID	1st Gen		2nd Gen		Logix Merit Index	Growth Index	Repro- duction Index	Pre-wean Weight			Wean Weight				Post Wean	Lambs Weaned	TWW	AFL	ILP	Dam				
			Progeny weaned	Number herds	Progeny weaned	Number herds				Dir	Mat	Comb	Dir	Mat	Comb											
										EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Index	EBV Acc	EBV Index								EBV Index	EBV Acc	EBV Index
		Active Breed Average:					100	100	100	0.30	0.05	0.20	0.51	0.09	0.35	0.24	0.12	0.67	0.32	0.62						
DTC 20 0340 90222662	10.09	DTC 18 0005 DTC 19 0092	42	1	4	1	100	122	91	1.70 86	0.15 122	1.00 61	2.29 104	0.35 121	1.49 85	1.68 119	76 120	116	-6.20 51	-1.08 77	1.91 65	7.72 91	39 41	82 95	104	5
DTC 21 0013 91027961	9.05	DTC 19 0120 DTC 15 0026	19	2	3	1	99	106	93	1.14 80	-0.34 113	0.23 57	1.92 86	-0.33 100	0.63 79	2.20 115	72 86	122	-2.30 48	0.22 92	2.27 61	-1.71 98	37 43	106 94	138	7
DTC 21 0041 91027029	6.89	DTC 18 0005 DTC 16 0285	38	4	11	2	103	113	87	2.21 85	-0.36 130	0.75 64	1.97 85	-0.20 114	0.79 84	1.07 116	77 90	109	-2.80 54	0.09 90	1.09 66	7.38 97	40 46	83 98	235	10
JC 21 0043 91713735	3.48	DTC 17 0351 JC 18 0104	241	3	20	2	98	107	95	0.97 96	0.16 110	0.65 73	0.71 104	0.22 62	0.58 105	0.60 45	104	-3.90 58	-1.41 86	2.05 74	-0.28 89	43 54	102 95	132	7	
DTC 21 0132 91906693	12.88	DTC 18 0005 DTC 18 0085	25	1	4	1	104	125	85	2.68 82	-0.53 136	0.81 61	3.89 79	-0.27 116	1.68 80	3.45 136	75 88	123	-5.70 51	0.20 79	3.35 63	7.39 98	39 44	83 91	120	7
P 22 0040 93622769	7.70	P 19 0355 DTC 15 0223	22	1	2	1	94	96	103	-0.46 76	0.50 88	0.27 47	-0.84 117	0.55 39	0.13 116	-1.30 23	82	-2.50 35	-1.79 91	-3.00 52	-1.80 87	31 42	106 110	131	6	
DTC 22 0161 95094736	5.54	DTC 20 0340 LC 17 0112	3	1			94	106	90	0.74 59	0.08 107	0.45 43	0.93 101	0.18 38	0.65 103	0.77 51	106	-2.30 34	-0.26 92	1.17 47	9.53 95	27 29	78 97	108	5	
DTC 23 0034 96684691	15.86	DTC 21 0179 DTC 19 0358	35	4			99	114	81	2.44 82	-0.35 133	0.87 48	2.02 85	-0.20 117	0.81 81	2.13 116	73 90	121	-2.60 38	0.26 91	4.98 55	12.86 98	31 40	69 86	102	7
DTC 24 0001 99109829	7.18	DTC 20 0240 DTC 21 0016	10	2			95	104	86	0.93 74	-0.28 110	0.19 50	1.52 88	-0.22 100	0.54 73	0.05 111	98	-3.00 41	-0.50 89	-0.73 54	6.45 94	30 33	85 103	130	6	
DTC 24 0020 100017482	12.91	DTC 22 0101 DTC 20 0223	4	1			103	134	92	2.29 67	0.27 131	1.42 44	3.38 108	0.53 131	2.21 66	4.04 131	61 115	136	-9.20 36	-1.62 67	-1.82 48	8.44 88	28 30	80 106	129	8
DTC 24 0044 100017367	9.44	DTC 22 0101 DTC 21 0180	12	1			95	109	98	0.16 74	0.75 98	0.83 45	0.10 126	0.75 116	0.81 72	0.88 95	107	-4.10 35	-1.60 85	-2.52 50	7.19 88	26 31	83 109	138	5	
		Sire Flock Average:					99	112	91	1.35	0.00	0.68	1.63	0.12	0.94	1.42	0.12	-0.68	0.80	5.74						
		Number of sires used in flock: 11																								

Ram Selection list: LMI

Animals are sorted on LMI

*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	1st Gen		2nd Gen		Logix Merit Index	Growth Index	Reproduction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weane	TWW	AFL	ILP	Dam	EPI	Times Lamb ed		
		Sire ID	Progeny Number	Progeny Number																				
		Dam ID	weaned	herds	weaned				herds	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc			EBV Index	EBV Acc
		Active breed average:				100	100	100	0.30	0.05	0.20	0.51	0.09	0.35	0.24	0.12	0.67	0.32	0.62					
1	ES 25 0029 111195533	6.81	DTC 22 0161 P 24 0011			107	114	102	1.07 53	0.31 112	0.85 117	1.16 53	0.47 107	1.05 26	0.71 113	-1.40 21	0.79 95	-2.03 35	5.48 101	1888 20	100	1		
2	ES 25 0031 111176152	6.81	DTC 22 0161 P 24 0011			107	113	102	1.20 53	0.31 114	0.91 118	0.88 53	0.47 104	0.91 26	0.55 113	-1.40 21	0.51 95	-2.03 35	5.48 101	1888 20	100	1		
3	DTC 26 0004 112880281	7.61	DTC 24 0020 P 21 0139			106	120	93	1.85 44	-0.13 124	0.80 115	2.65 43	0.09 123	1.41 30	2.75 100	-2.20 28	1.42 92	-2.54 35	11.19 104	2574 25	98	5		
4	DTC 26 0005 112880299	7.61	DTC 24 0020 P 21 0139			106	120	93	1.85 44	-0.13 124	0.80 115	2.65 43	0.09 123	1.41 30	2.75 100	-2.20 28	1.42 92	-2.54 35	11.19 104	2574 25	98	5		
5	ES 25 0001 109734541	9.13	DTC 24 0001 DTC 23 0065			106	116	93	1.73 58	-0.21 122	0.66 112	2.43 56	-0.06 121	1.16 29	1.62 95	-2.30 27	0.99 92	0.63 39	5.69 102	2087 22	105	1		
6	DTC 25 0043 110133675	13.25	DTC 23 0034 DTC 24 0007			103	119	92	1.89 59	0.23 125	1.18 125	1.65 58	0.37 112	1.20 29	1.34 110	-4.50 27	-0.68 84	1.22 40	8.20 93	2281 27	99	2		
7	DTC 23 0117 97911481	5.58	DTC 21 0132 DTC 21 0066			102	109	99	0.76 63	0.12 107	0.50 108	1.39 61	0.21 109	0.90 38	0.99 104	-1.20 34	0.87 96	4.14 46	2.61 101	2795 30	116	5		
8	JC 23 0364 99164261	5.55	JC 21 0043 JC 18 0144			101	102	99	0.60 59	0.21 105	0.51 108	0.19 59	0.23 96	0.33 43	0.23 105	0.80 40	0.90 103	-0.01 48	5.13 101	3089 35	99	4		
9	DTC 23 0131 97658850	10.15	DTC 21 0041 DTC 20 0186			100	110	85	2.12 62	-0.37 128	0.69 112	1.66 60	-0.24 112	0.59 37	1.50 89	-3.60 35	-0.74 87	-1.16 45	5.65 92	2687 29	93	4		
10	DTC 22 0161 95094736	5.54	DTC 20 0340 LC 17 0112	3	1	94	106	90	0.74 59	0.08 107	0.45 106	0.93 64	0.18 104	0.65 38	0.77 103	-2.30 34	-0.26 92	1.17 47	9.53 95	2778 29	108	5		
11	DTC 25 0070 110974110	7.89	DTC 24 0044 GE 23 0031			82	88	81	-0.04 58	-0.11 94	-0.13 91	-0.44 56	-0.19 89	-0.41 28	0.20 90	-1.10 23	-1.29 96	0.33 38	9.82 89	1777 22	100	1		

Ewe Selection list: LMI

Animals are sorted on LMI

*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	% In-breeding	Sire ID		Logix Merit Index	Growth Index	Reproduction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weaned	TWW	AFL	ILP	EPI Times		
Comp.no.		Dam ID					Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index	Acc	Index
Active breed average:				100	100	100	0.30	0.05	0.20	0.51	0.09	0.35	0.24	0.12	0.67	0.32	0.62			
1	P 24 0011 99387466	19.01	P 22 0040 P 22 0128	114	115	113	0.81 61	0.61 108	1.02 121	0.66 61	0.77 101	1.10 123	-0.01 17	-0.40 25	1.19 43	-5.23 103	1.42 22	100 1		
2	DTC 23 0065 97085591	9.56	DTC 21 0013 DTC 20 0117	106	115	97	1.64 63	-0.03 121	0.79 115	1.93 62	0.12 101	1.08 113	1.96 55	-1.60 37	1.09 48	1.99 28	4.92 89	105 1		
3	DTC 23 0177 98498769	6.46	DTC 21 0041 DTC 19 0056	106	99	103	1.11 64	-0.11 113	0.45 106	0.10 62	-0.05 95	0.00 43	-0.07 56	0.50 38	0.35 49	0.77 98	-6.16 27	97 1		
4	ES 25 0030 111195541	6.81	DTC 22 0161 P 24 0011	102	107	100	0.57 53	0.37 104	0.66 112	0.46 53	0.48 99	0.71 26	0.08 114	-1.40 21	0.10 35	-2.03 97	5.48 20	88 0		
5	DTC 25 0039 109378737	12.34	DTC 23 0034 DTC 23 0177	100	103	91	1.61 59	-0.21 120	0.60 110	0.65 58	-0.12 101	0.20 29	0.70 93	-1.10 27	-0.13 40	2.88 96	3.35 26	93 0		
6	ES 25 0002 109734533	9.13	DTC 24 0001 DTC 23 0065	98	106	91	1.01 58	-0.12 111	0.38 105	1.43 56	-0.04 110	0.67 29	0.73 96	-2.30 27	0.01 39	0.63 97	5.69 20	87 0		
7	DTC 23 0120 97658819	8.92	DTC 21 0041 DTC 18 0167	98	110	91	1.18 67	-0.09 114	0.50 108	1.63 65	0.07 112	0.89 46	0.61 100	-4.50 41	-1.00 52	1.43 91	3.25 34	93 119 2		
8	ES 25 0027 110896578	10.86	DTC 24 0001 DTC 23 0120	97	108	89	1.14 59	-0.19 113	0.38 104	1.74 57	-0.07 113	0.80 31	0.47 94	-3.80 29	-0.62 41	0.35 93	4.85 24	89 0		
9	ES 25 0025 110896560	10.86	DTC 24 0001 DTC 23 0120	96	107	88	1.05 50	-0.18 112	0.35 104	1.58 49	-0.07 111	0.72 31	0.33 95	-3.80 29	-0.78 37	0.35 92	4.85 24	89 0		
10	ES 25 0025 111577797	10.86	DTC 24 0001 DTC 23 0120	95	105	88	0.81 59	-0.16 108	0.25 101	1.45 57	-0.07 110	0.66 31	0.18 95	-3.80 29	-0.89 41	0.35 92	4.85 24	89 0		
11	ES 21 0005 109532028	4.99	- ES 18 0029	94	91	104	-1.00 5	0.65 79	0.15 98	-1.37 5	0.55 79	-0.13 5	-2.15 73	1.40 5		4.25 88	1.59 5	97 100 1		
12	ES 25 0026 110896586	10.86	DTC 24 0001 DTC 23 0120	94	104	88	0.70 59	-0.15 106	0.20 100	1.43 57	-0.07 110	0.65 31	0.13 95	-3.80 29	-0.92 41	0.35 91	4.85 24	89 0		
13	ES 20 0428 109531848	5.51	- ES 19 0005															1		
14	ES 23 0013 109531897	5.92	- ES 20 0428															0		