



ILE DE FRANCE GENETIC REPORT

04 September 2026



SOLSTICE STUD FARM

FDM : SOL



**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.

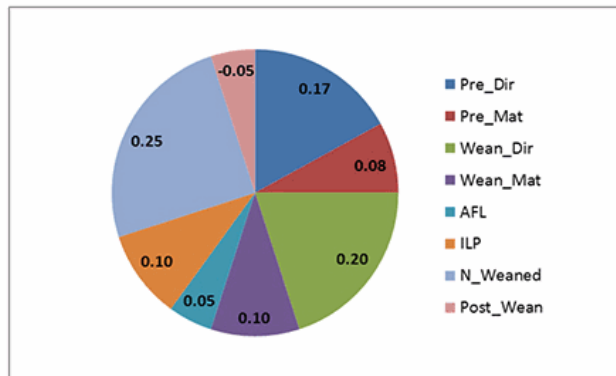
Selection Indices

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:

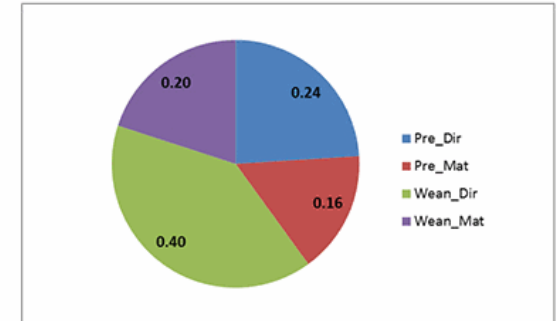
Logix Merit Index (LMI)

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.



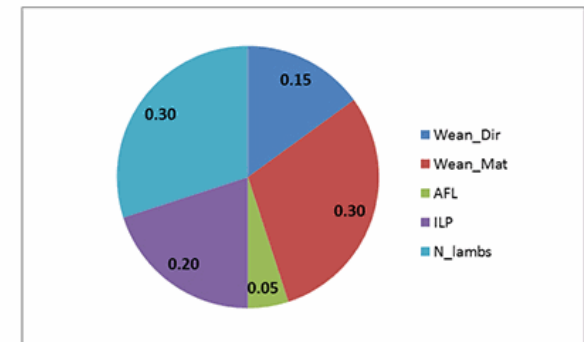
Growth Index (GI)

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.

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Genetic Averages of Animals

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Pre-wean Direct	0.44	0.39	0.51	0.30	0.33	0.28
Pre-wean Maternal	0.17	0.18	0.17	0.05	0.06	0.05
Pre-wean Combined	0.40	0.38	0.42	0.20	0.22	0.19
Weaning Weight Direct	0.72	0.82	0.58	0.51	0.60	0.47
Weaning Weight Mat	0.17	0.16	0.19	0.09	0.10	0.09
Weaning Weight Comb	0.53	0.58	0.48	0.35	0.40	0.32
Post-wean Weight	0.66	0.71	0.59	0.24	0.35	0.19
Lambs Weaned	1.46	1.99	0.77	0.12	0.25	0.07
Total Weight Weaned	1.77	2.18	1.23	0.67	0.85	0.60
Age at First Lambing	-0.84	-0.75	-0.95	0.32	0.28	0.33
Inter-lambing Period	0.61	-0.95	2.67	0.62	0.68	0.59
Selection Index						
Logix Merit Index	106	108	103	100	101	100
Growth Index	104	104	103	100	101	99
Reproduction Index	105	108	102	100	101	100
Inbreeding						
Inbreeding coefficient (%)	8.49	9.04	7.77	6.67	6.80	6.62
Number of Animals						
Number of animals	14	8	6	11172	3121	8031

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Pre-wean Direct	102.0	101.2	103.0
Pre-wean Maternal	104.5	104.7	104.3
Pre-wean Combined	104.9	104.3	105.6
Weaning Weight Direct	101.8	103.0	100.3
Weaning Weight Mat	102.9	102.6	103.3
Weaning Weight Comb	103.0	103.7	101.9
Post-wean weight	104.5	105.1	103.7
Lambs Weaned	105.2	107.1	102.7
Total Weight Weaned	106.1	108.3	103.1
Age First Lambing	103.5	103.2	103.8
Inter-lambing Period	99.8	103.7	94.7
Selection Indices			
Logix Merit Index	106.0	108.1	103.3
Growth Index	103.5	103.9	103.1
Reproduction Index	105.3	107.9	101.8
Inbreeding			
Inbreeding (%)	8.49	9.04	7.77
Number of Animals			
Number of animals	14	8	6

** 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

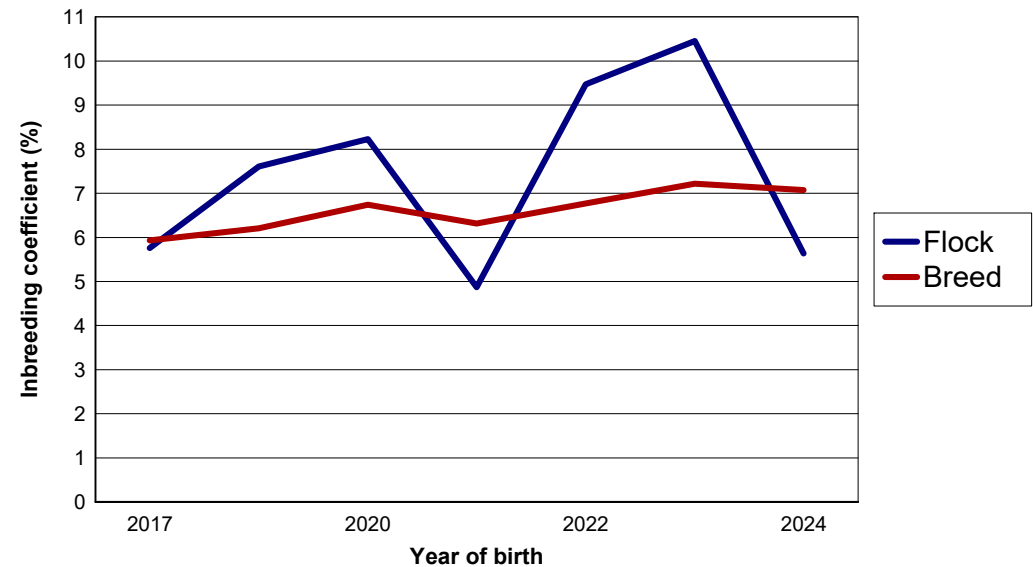
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2017 - 2024	5.63	-0.02
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Rate of Inbreeding



Pedigree Information

	Animals	%
Known sires	14	100
Known dams	14	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

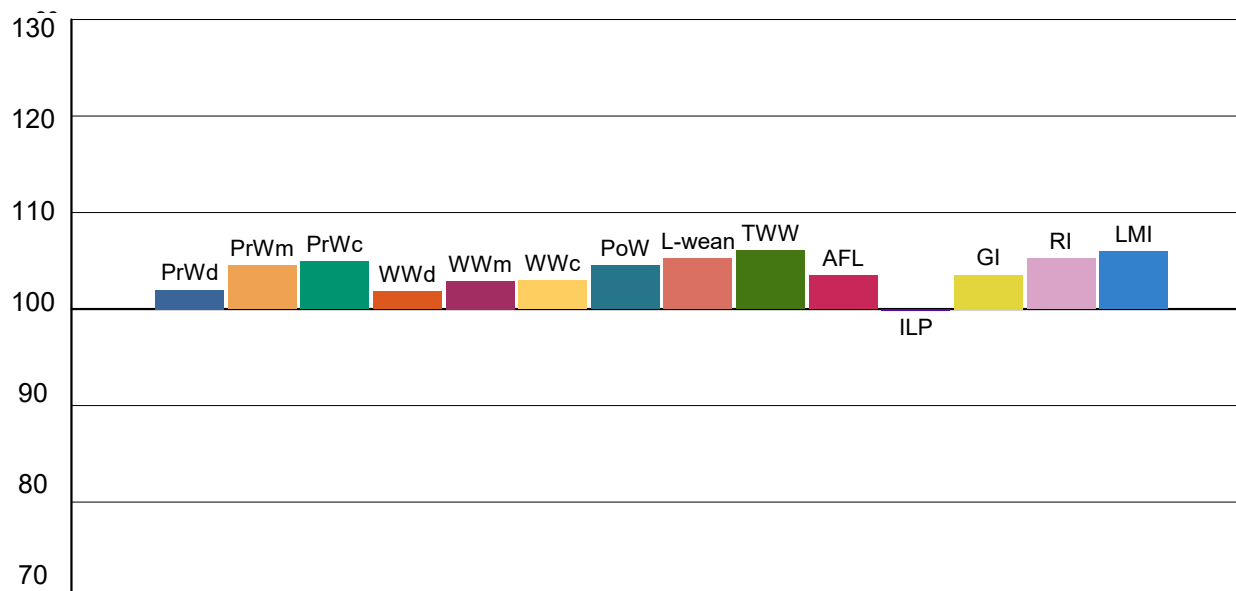
A link ram should have at least 20 measured progeny in your flock and at least another 20 measured progeny in at least one more flock.

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: 14



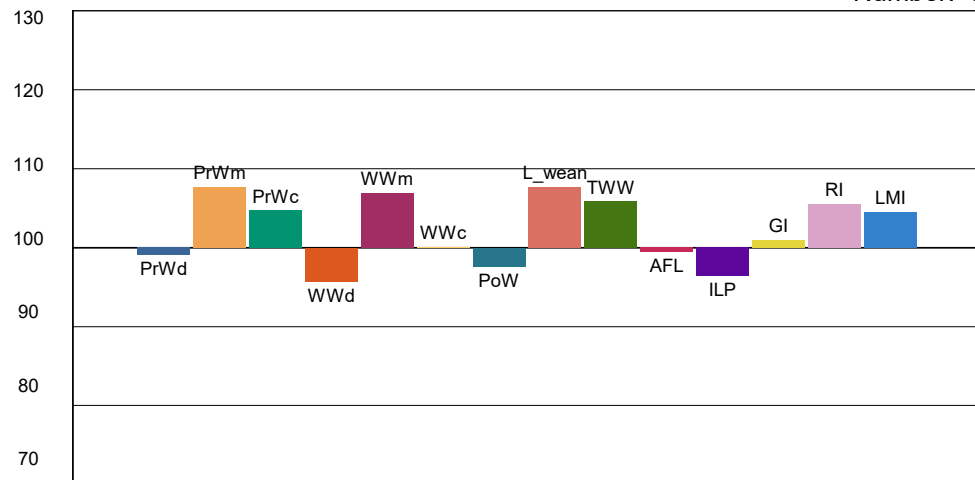
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams younger than 2 years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

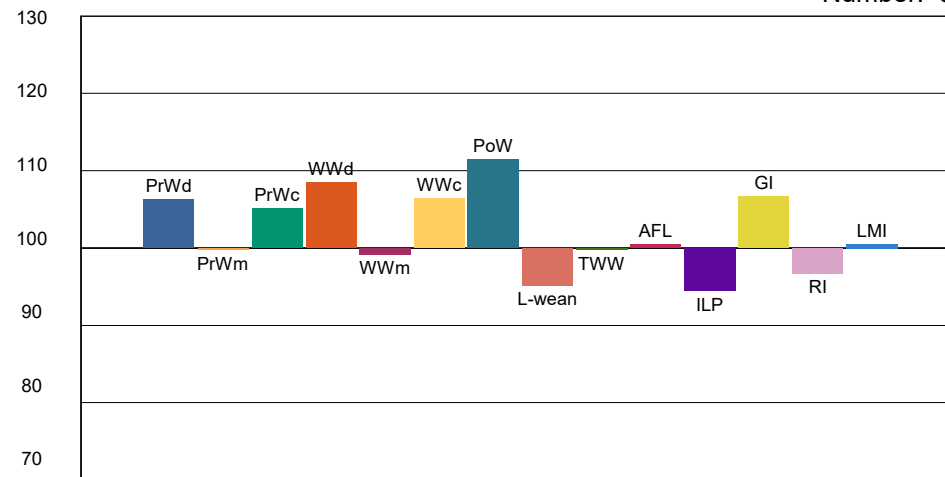
Dams

Number: 8



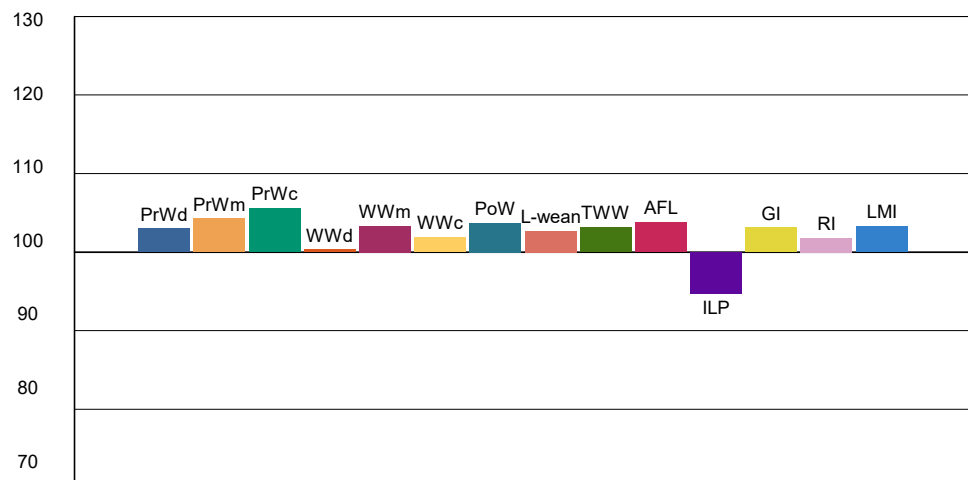
Sires

Number: 5



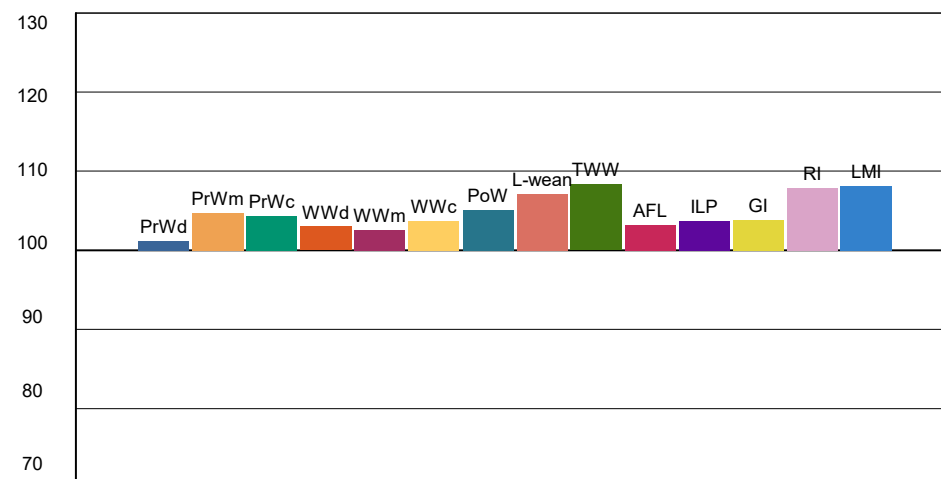
Young Ewes

Number: 6



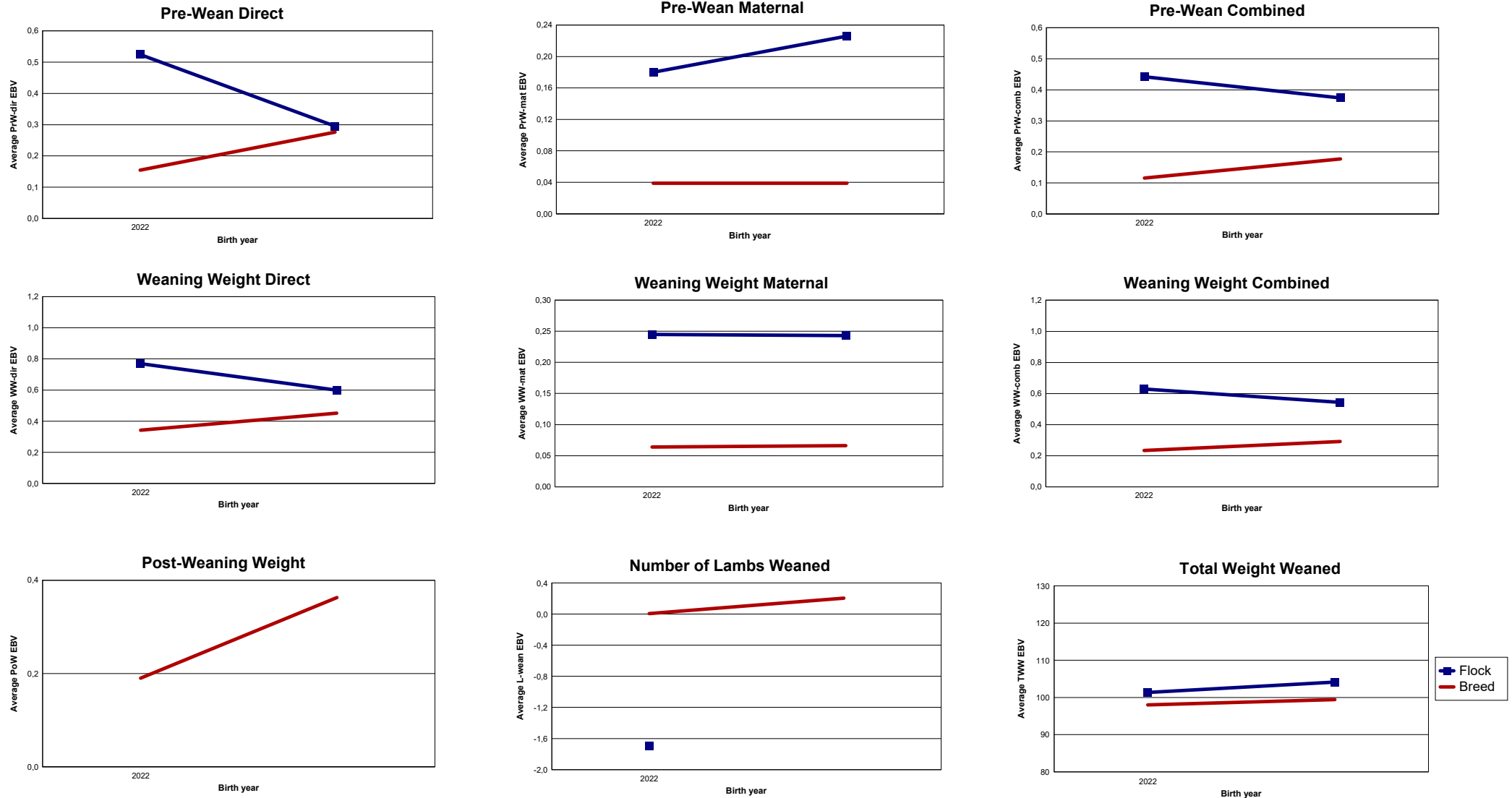
Young Rams

Number: 8



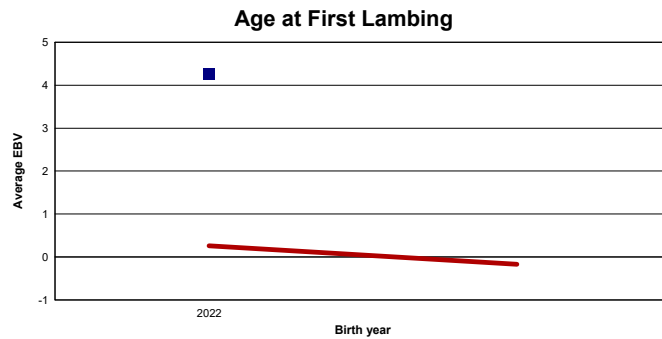
Genetic Trends

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

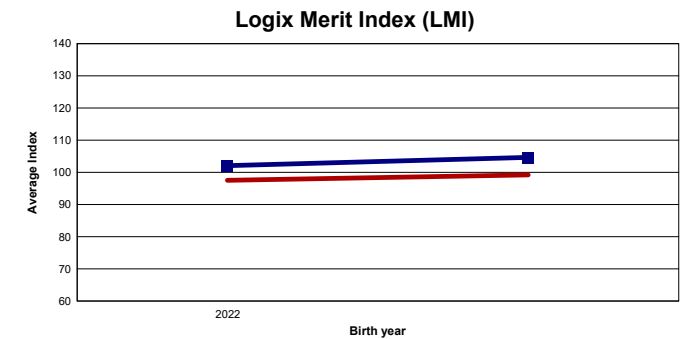
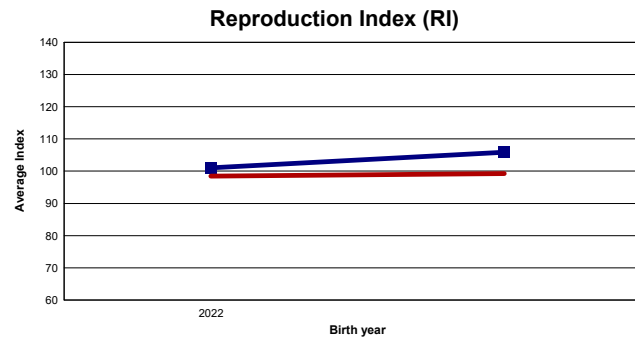
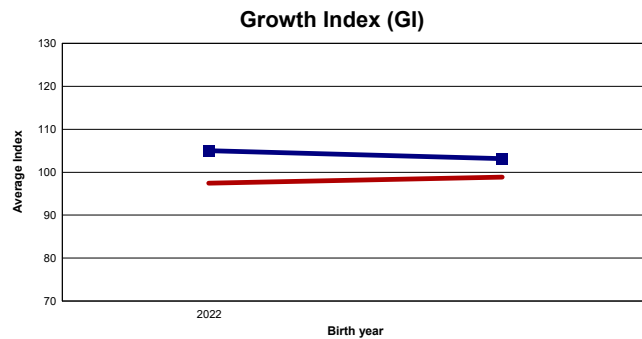
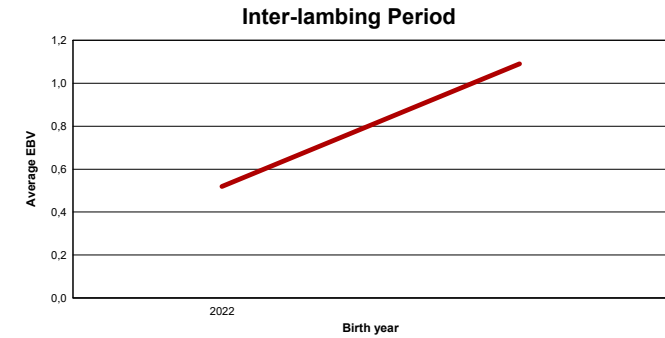


Genetic Trends

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	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
2022	5	0.52	0.18	5	0.77	0.25			2	-1.70	5	101	2	4.26		
2024	5	0.30	0.23	5	0.60	0.24					5	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	0.30	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

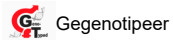
Trait	AVG	SA*	Min	Percentiles (%)																Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99		
Pre-wean Weight Direct	0.33	0.77	-2.26	-1.45	-0.91	-0.62	-0.27	-0.16	-0.05	0.12	0.30	0.50	0.71	0.82	0.95	1.31	1.66	2.27	3.63	
Pre-wean Weight Maternal	0.06	0.29	-1.16	-0.67	-0.43	-0.32	-0.18	-0.13	-0.08	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

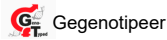
Indices above 124
Above breed average
Indices below 76

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					Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EBV	Index	EPI	Times Lambd
			Acc					Index	Acc	Index	EBV	Index	Acc	Index	Acc	Index	EBV	Index	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																
SOL 22 0008 99305286	BS JC	19 21	0120 0092	18.60	107	103	106	0.42 68	0.09 102	0.30 51	1.01 101	0.04 102	0.55 67	0.97 105	0.04 47	0.04 98	0.55 103	0.97 20	0.55 103	0.97 20	2.00 43	2.25 107	54	2.25 109	42	-1.51 106	35	-0.32 102	91	2				
SOL 23 0003 99267809	BS BS	19 20	0120 0247		11.73	112	104	112	0.30 59	0.19 100	0.34 53	0.94 105	0.13 103	0.60 59	0.74 104	0.13 49	0.13 102	0.60 104	0.74 24	0.60 104	0.74 24	3.20 46	2.99 112	52	2.99 113	44	-2.03 107	36	-2.34 107	94	3			
SOL 23 0004 99267783	BS BS	19 20	0120 0247	11.73		112	104	112	0.30 59	0.19 100	0.34 53	0.94 105	0.13 103	0.60 59	0.74 104	0.13 49	0.13 102	0.60 104	0.74 24	0.60 104	0.74 24	3.20 46	2.99 112	52	2.99 113	44	-2.03 107	36	-2.34 107	94	3			
SOL 23 0005 99267825	BS BS	19 20	0120 0353		7.85	99	98	100	0.00 59	0.06 95	0.05 53	0.67 100	0.01 96	0.34 58	0.66 101	0.01 48	0.01 97	0.34 100	0.66 24	0.34 100	0.66 24	0.50 44	0.98 102	51	0.98 102	43	-0.35 102	36	0.21 101	95	3			
SOL 24 0003 109417451	SOL SOL	22 22	0008 0001	4.08		105	104	108	0.19 56	0.31 98	0.40 38	0.61 109	0.34 105	0.65 54	0.33 101	0.34 34	0.34 109	0.65 105	0.33 14	0.65 105	0.33 14	0.30 30	1.13 101	41	1.13 103	29	3.46 90	24	-3.10 109	103	1			
SOL 24 0005 112361688	SOL BS	22 20	0008 0247		9.64	112	103	113	0.25 48	0.29 99	0.41 38	0.59 109	0.24 105	0.54 47	0.43 100	0.24 35	0.24 105	0.54 103	0.43 20	0.54 103	0.43 20	3.30 33	2.82 112	39	2.82 112	31	-2.87 110	26	-2.42 107	94	3			
SOL 24 0008 112361720	SOL JC	22 21	0008 0040	4.34		108	106	106	0.73 57	0.17 107	0.54 41	0.80 105	0.21 109	0.61 55	0.81 103	0.21 36	0.21 104	0.61 104	0.81 24	0.61 104	0.81 24	1.70 33	2.02 106	43	2.02 108	30	-0.35 102	27	1.37 98	98	2			
SOL 24 0009 112361704	SOL JC	22 21	0008 0040		4.34	110	108	106	0.95 57	0.15 110	0.62 41	1.01 104	0.20 111	0.71 55	1.02 105	0.20 36	0.20 104	0.71 106	1.02 24	0.71 106	1.02 24	1.70 33	2.24 106	43	2.24 109	30	-0.35 102	27	1.37 98	98	2			
Ram Herd Average:						108	104	108	0.39	0.18	0.38	0.82	0.16	0.58	0.71	1.99	2.18	-0.75	-0.95															
Total rams in herd: 8																																		

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 Lambded
Comp.no.	Sire	Dam						EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	Phenotype	
Active breed average:					100	100	100	0.30	0.05	0.20	0.51	0.09	0.35	0.24	0.12	0.67	0.32	0.62		
JC 21 0040 91713453	DTC JC	17 0351 18 0065	4.53		111	110	107	1.13 70 113	0.25 63 107	0.81 116	0.82 68 103	0.37 56 110	0.78 107	0.83 43 107	1.50 49 105	2.09 59 108	0.81 43 99	3.06 41 94	98	2
JC 21 0092 92019561	BS JC	19 0132 18 0144	5.21		103	96	107	-0.09 63 94	0.33 50 110	0.28 102	-0.36 62 90	0.27 44 106	0.09 95	-0.24 23 94	2.30 38 108	1.29 50 104	-3.18 33 111	-0.47 34 103	91	2
SOL 22 0003 99309775	DTC JC	18 0005 21 0040	6.87		101	111	92	1.31 65 116	0.06 55 100	0.71 113	1.30 64 108	0.19 50 103	0.84 108	1.22 48 111	-1.90 47 93	0.35 55 98	0.09 44 101	9.20 39 78	97	1
SOL 23 0002 97595987	BS JC	19 0120 21 0092	18.60		105	100	105	0.21 58 98	0.11 51 102	0.22 100	0.67 58 101	0.05 46 99	0.38 100	0.68 20 105	2.00 43 107	1.92 50 107	-1.51 42 106	-0.32 35 102		0
SOL 24 0001 112361696	SOL SOL	22 0008 22 0003	4.86		104	107	99	0.87 47 109	0.07 38 101	0.50 108	1.16 46 107	0.11 34 101	0.69 106	1.09 26 109	0.00 32 100	1.27 38 103	-0.71 30 103	4.44 26 90		0
SOL 24 0006 112361712	SOL BS	22 0008 20 0353	6.54		96	94	101	-0.36 56 89	0.19 38 105	0.01 95	-0.11 54 93	0.12 34 101	0.07 95	-0.04 20 97	0.70 30 103	0.44 41 99	-1.19 28 105	0.14 26 101		0
Ewe Herd Average:					103	103	102	0.51	0.17	0.42	0.58	0.19	0.48	0.59	0.77	1.23	-0.95	2.67		
Total ewes in herd: 6																				

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 Indeks			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				Lambs Weaned	TWW	AFL	ILP	Dam	
			Progeny weaned	Number herds	Progeny weaned	Number herds				Dir	Mat	Comb	Dir	Mat	Comb	Post Wean						
										EBV Acc	Index	EBV Acc	Index	EBV Index	Dir	EBV 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			
DTC 17 0351 80636103	4.65	DTC 16 0722 DTC 12 0234	258	6	94	6	103	116	98	1.32 97	0.23 116	0.89 118	1.56 97	0.40 111	1.18 114	1.78 81	-3.90 82	-0.39 89	-0.22 74	4.59 102	178 8	
DTC 18 0005 81838609	8.83	JC 15 0077 DTC 15 0011	206	9	74	7	86	111	74	1.38 96	-0.12 117	0.56 109	1.83 96	0.01 83	0.92 110	1.61 86	-5.30 81	-1.34 88	6.43 72	17.74 66	99 4	
BS 19 0120 83157875	12.47	BS 17 0151 BS 13 0133	316	6	85	2	106	104	103	0.51 97	-0.11 89	0.15 99	1.71 97	-0.18 82	0.68 106	1.60 33	1.70 78	2.55 87	0.17 77	-0.17 100	196 8	
BS 19 0132 83158097	12.47	BS 17 0151 BS 13 0133	25	2	8	2	101	99	104	-0.04 82	0.14 64	0.12 98	0.53 80	0.06 57	0.33 99	0.41 33	-1.00 54	-0.01 65	-4.02 49	-5.31 42	196 8	
SOL 22 0008 99305286	18.60	BS 19 0120 JC 21 0092	5	1			107	103	106	0.42 68	0.09 51	0.30 102	1.01 67	0.04 47	0.55 103	0.97 20	2.00 43	2.25 54	-1.51 42	-0.32 106	91 2	
		Sire Flock Average: Number of sires used in flock: 5				101	107	97	0.72	0.04	0.40	1.33	0.07	0.73	1.27	0.12	0.61	0.17	3.31			

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	Sire ID Dam ID	1st Gen		2nd Gen	Logix Merit Index	Growth Index	Repro-duction Index	PreW Dir	PreW Mat	PreW Comb	Wean Dir	Wean Mat	Wean Comb	Post Wean	Lambs Weane	TWW	AFL	ILP	Dam						
			Progeny Number weaned	Progeny Number herds					Progeny Number weaned	Progeny Number 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	EBV Index	EPI	Times Lamb ed
		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 SOL 24 0005 112361688	9.64	SOL 22 0008 BS 20 0247				112	103	113	0.25 48 99	0.29 38 109	0.41 105	0.59 47 100	0.24 35 105	0.54 103	0.43 20 102	3.30 33 112	2.82 39 112	-2.87 31 110	-2.42 26 107	94	3					
2 SOL 23 0004 99267783	11.73	BS 19 0120 BS 20 0247				112	104	112	0.30 59 100	0.19 53 105	0.34 103	0.94 59 104	0.13 49 102	0.60 104	0.74 24 105	3.20 46 112	2.99 52 113	-2.03 44 107	-2.34 36 107	94	3					
3 SOL 23 0003 99267809	11.73	BS 19 0120 BS 20 0247				112	104	112	0.30 59 100	0.19 53 105	0.34 103	0.94 59 104	0.13 49 102	0.60 104	0.74 24 105	3.20 46 112	2.99 52 113	-2.03 44 107	-2.34 36 107	94	3					
4 SOL 24 0009 112361704	4.34	SOL 22 0008 JC 21 0040				110	108	106	0.95 57 110	0.15 41 104	0.62 111	1.01 55 105	0.20 36 104	0.71 106	1.02 24 109	1.70 33 106	2.24 43 109	-0.35 30 102	1.37 27 98	98	2					
5 SOL 24 0008 112361720	4.34	SOL 22 0008 JC 21 0040				108	106	106	0.73 57 107	0.17 41 105	0.54 109	0.80 55 103	0.21 36 104	0.61 104	0.81 24 106	1.70 33 106	2.02 43 108	-0.35 30 102	1.37 27 98	98	2					
6 SOL 22 0008 99305286	18.60	BS 19 0120 JC 21 0092	5	1		107	103	106	0.42 68 102	0.09 51 101	0.30 102	1.01 67 105	0.04 47 98	0.55 103	0.97 20 108	2.00 43 107	2.25 54 109	-1.51 42 106	-0.32 35 102	91	2					
7 SOL 24 0003 109417451	4.08	SOL 22 0008 SOL 22 0001				105	104	108	0.19 56 98	0.31 38 109	0.40 105	0.61 54 101	0.34 34 109	0.65 105	0.33 14 101	0.30 30 101	1.13 41 103	3.46 29 90	-3.10 24 109	103	1					
8 SOL 23 0005 99267825	7.85	BS 19 0120 BS 20 0353				99	98	100	0.00 59 95	0.06 53 100	0.05 96	0.67 58 101	0.01 48 97	0.34 100	0.66 24 105	0.50 44 102	0.98 51 102	-0.35 43 102	0.21 36 101	95	3					



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 Dam 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 Lambed	
Comp.no.							EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	Phenotype	
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	JC 21 0040 91713453	4.53	DTC JC 17 0351 18 0065	111	110	107	1.13 70	0.25 113	0.81 63	0.82 103	0.37 56	0.78 110	0.83 43	1.50 49	2.09 108	0.81 43	3.06 99	98	2	
2	SOL 23 0002 97595987	18.60	BS JC 19 0120 21 0092	105	100	105	0.21 58	0.11 98	0.22 51	0.67 102	0.05 46	0.38 99	0.68 105	2.00 43	1.92 107	-1.51 42	-0.32 106		0	
3	SOL 24 0001 112361696	4.86	SOL SOL 22 0008 22 0003	104	107	99	0.87 47	0.07 109	0.50 38	1.16 101	0.11 34	0.69 101	1.09 26	0.00 32	1.27 100	-0.71 30	4.44 103		0	
4	JC 21 0092 92019561	5.21	BS JC 19 0132 18 0144	103	96	107	-0.09 63	0.33 94	0.28 50	-0.36 110	0.27 44	0.09 106	-0.24 95	2.30 38	1.29 104	-3.18 33	-0.47 111	91	2	
5	SOL 22 0003 99309775	6.87	DTC JC 18 0005 21 0040	101	111	92	1.31 65	0.06 116	0.71 55	1.30 100	0.19 50	0.84 103	1.22 48	-1.90 47	0.35 93	0.09 55	9.20 98	97	1	
6	SOL 24 0006 112361712	6.54	SOL BS 22 0008 20 0353	96	94	101	-0.36 56	0.19 89	0.01 38	-0.11 105	0.12 34	0.07 101	-0.04 95	0.70 30	0.44 41	-1.19 28	0.14 105		0	