



BOERBOK GENETIC REPORT

21 September 2026



PAUL MOORE BOERGOAT STUD

FDM : 1212



CERTIFICATE
OF QUALITY

Valid up to
October 2029

 **SA** STAMBOEK
STUD BOOK
'n Storie met twee kante

General Information

This **Genetic Report** of your flock enables you to determine the genetic merit and potential of the animals in your herd relative to that of the breed. An animal's performance is determined by two factors, namely the environment and genetics. Good nutrition and management can improve performance, but an animal cannot perform better than its genetic potential. Superior performance due to the environment cannot be carried over to the next generation. It is therefore extremely important not to neglect genetic progress of your flock. Due to the interaction between environment and genetics, it is difficult to identify genetically superior animals on performance data. Estimated Breeding Values (EBVs) are therefore predicted for every animal to determine its genetic potential, as well as its worth as a parent for the next generation. Through the use of EBVs, animals can be compared fairly **within the breed**, therefore across herds, years and production systems. Results presented in this report allow the breeder to identify the underlying genetics of the animals.

Genetic parameters

Genetic parameters (heritability and genetic correlations) are estimated on a breed-basis and are required for the prediction of breeding values. The **heritability** refers to the portion of the variation of a trait in a population that is due to transferrable genetics (the rest of the variation can be attributed to the environment and non-transferrable genetics). Some traits are genetically correlated, which means that a change in one trait will lead to changes in other traits. The strength of this association amongst traits is referred to as a **genetic correlations** and can be desirable or undesirable.

Breeding Values

The prediction of EBVs makes use of performance recordings of the animal as well as those of its relatives, pedigree information and genetic parameters. The deviation of the animal's measurement relative to the average of its contemporary group, forms the basis for identifying the animal's genetic potential for the trait. A **contemporary group** is a group of animals that have been exposed to the same environmental and biological effects, including herd, year, sex and age effects. After adjusting for differences in these effects, animals can fairly be compared and the difference in performance that still persist are then assumed to be due to differences in the genetic merit of the animals.

The EBV predicted for an animal at birth and until it has been measured, is the average EBV of its parents, since the animal received half of its genes from each parent. This mid-parent value makes the assumption that the same half of the parents' genes are carried over to all their offspring. In reality, each offspring receives a random sample of each parent's genes,

therefore mid-parent EBVs are still of low accuracy, but it does indicate the genetic level that can be expected due its parental history. An animal's true genetic merit can be predicted more accurately as more information becomes available, eg. when the animal has been measured or when the number of relatives with measurements increases. Estimated breeding values therefore change over time as more information becomes available. EBVs of animals are published with an **accuracy** (%), which indicates how much information was available for the estimation of breeding values and therefore the confidence with which a breeder can use it. Factors that influence the accuracy of an EBV are the heritability of the trait, the number of measured relatives, the size of the contemporary group, the precision with which the measurements were taken and the completeness of pedigree information. An EBV with an accuracy of 85% or more is less likely to change significantly with subsequent genetic analyses.

Interpretation of breeding values

EBVs are expressed around a **base year** (5 years ago), which means that the average breeding value of the base year is set as zero and all breeding values are expressed relative to this average. An animal with an EBV of +1kg for weaning weight is therefore genetically superior by 1kg compared to an average animal born in the base year. EBVs therefore express genetic merit of animals relative to each other. The true performance of an animal cannot be calculated from the EBV, but it enables the breeder to know which animals will make a better contribution to the next generation. For easier interpretation EBVs are also expressed as breeding value indices. For these indices the average value of the **active population** is set as 100 with a standard deviation of 12. An index of 76 therefore indicates that the animal is 2 standard deviations below the average and an index of 112 indicates that the animal is 1 standard deviation above the average of the active population for the specific trait. Please note that negative EBVs are favourable for Inter-Lambing Period and Age at First Lambing, therefore shorter inter-lambing periods and younger ages at first lambing indicates better fertility. However, breeding value indices are expressed in the same way for all traits, therefore higher indices indicates desirability for the traits and lower indices are undesirable. This makes it easy to identify superior animals for all traits.

The data used in this evaluation has been obtained from LOGIX, as supplied by breeders. Everything possible had been done to present the information correctly. SA Stud Book does not take any responsibility for the use and interpretation of the information from this publication.

Selection Indices

It is easy to select on a single trait, but that is not the best approach to follow. Selecting on only one trait can lead to the deterioration of performance in other traits due to genetic correlations. There are different traits that are important, some being more important than others. A selection index combines multiple traits, each with an economic weight to take the different levels of importance into account. EBVs for different traits cannot simply be added together, since the unit of measurement and range of the values differ and in some cases negative values are favoured. These factors are accounted for in the compilation of a selection index. An overall selection index includes EBVs of all the traits of economic importance, while other selection indices are more focused on specific breeding objectives. Selection indices are expressed around 100, with 100 being the average of the active population, with a standard deviation of 12. A selection index of 124 is therefore 2 standard deviations above the average and an index of 88 is one standard deviation below the average of the active animals of the population.

Two Indices are constructed for the Boer Goat breed, namely the Logix Merit Index and the Reproduction Index. These indices, their purpose and the contribution of the different traits to the indices are summarised as follows :

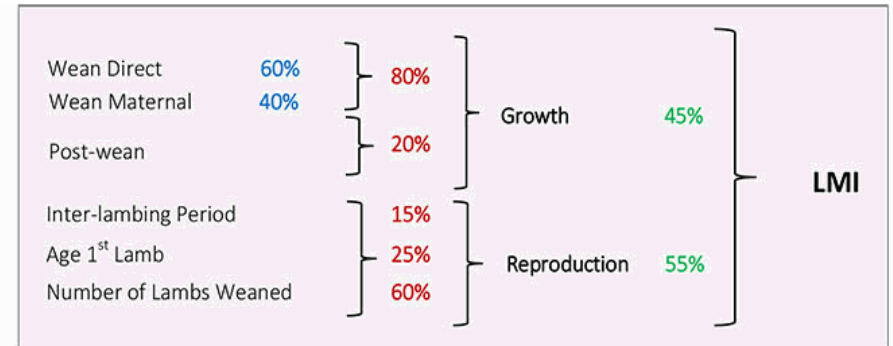
Logix Merit Index (LMI)

This index combines all the traits to select for a balanced, profitable animal that is fertile and delivers a desirable level of production. Selection based on the LMI will lead to breeding of balanced animals that will have the genetic potential to wean at a heavier weight (both due to its own potential and having dams that produce sufficient milk), lambs at an early age, lambs regularly and give multiple lambs. This value is especially important for sustainability, which requires the selection of good, productive replacement animals for the flock.

The LMI is constructed as follows :

$$LMI = (0.1375 * AFL) + (0.0825 * ILP) + (0.216 * Wean Dir) + (0.144 * Wean Mat) + (0.33 * N_Lambs_Weaned) + (0.09 * Post-Wean Dir)$$

Schematically the LMI can be explained as follows :



Reproduction Index (RI)

This index includes Weaning Maternal, Number of Lambs Weaned, Age at First Lambing and Inter-lambing Period. This is especially an important index to consider in the development of a dam line.

The RI is constructed as follows :

$$(0.2 * AFL) + (0.2 * ILP) + (0.3 * Wean Mat) + (0.3 * N_Lambs_Weaned)$$

Schematically it can be explained as follows :



It is always important to consider the traits that contribute to the index individually when selection of animals is based on indices. It sometimes happen that an animal receives a good index due to its exceptional genetic merit of a specific trait, while some of the other traits of the animal in the index might be at undesirable levels for the specific flock's breeding objective, but masked in the index due to the exceptionality of that trait. A sound procedure is to rank animals based on the relevant selection index and then eliminate animals from the list that do not conform towards the flock's breeding objectives when considering the individual traits. Make use of all the available information.

Active Genetic Levels

Genetic Averages : Breeding Values

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Weaning Weight Direct	-0.32	-0.73	-0.07	-0.06	-0.01	-0.09
Weaning Weight Maternal	-0.13	-0.04	-0.18	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.29	-0.40	-0.22	-0.06	-0.03	-0.07
Post-wean Weight	0.09	-0.56	0.49	0.50	0.58	0.45
Number Lambs Weaned	1.49	1.41	1.53	-0.36	-0.55	-0.26
Total Weight Weaned	0.45	0.08	0.67	-0.31	-0.37	-0.27
Age at First Lambing	-3.20	-3.67	-2.91	-0.30	-0.22	-0.35
Inter-lambing Period	0.53	0.81	0.35	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	105	103	106	101	100	101
Reproduction Index	106	107	105	102	101	102
Inbreeding						
Inbreeding (%)	6.67	2.74	8.33	5.54	5.93	5.34
Number of Animals						
Number of Animals	24	9	15	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	96.1	91.5	98.9
Weaning Weight Maternal	97.5	99.8	96.2
Weaning Weight Comb	95.4	93.4	96.5
Post-wean Weight	96.2	91.9	98.8
Number Lambs Weaned	110.4	110.1	110.7
Total Weight Weaned	105.1	103.0	106.4
Age First Lambing	103.8	104.4	103.5
Interlambing Period	100.4	99.6	100.9
Selection Indices			
Logix Merit Index	104.7	102.5	105.9
Ewe Index	105.9	106.8	105.3
Growth Index	95.6	91.4	98.2
Inbreeding			
Inbreeding (%)	6.67	2.74	8.33
Number of Animals			
Number of Animals	24	9	15

** Averages of all active animals in the flock.

Inbreeding

Inbreeding primarily leads to decreased fertility and low survivability of lambs. The effects of inbreeding can be observed from 6.25% onwards. It is therefore highly recommended to record pedigree information as accurately and completely as possible and to use a selection programme for selection of unrelated rams.

Incomplete or incorrect pedigree information can be reported to SA Stud Book. Inbreeding is dependent on pedigree information. Conventional methods for the Calculation of inbreeding coefficients usually assume that unknown parents are unrelated. However, this is usually far from the truth. An algorithm is used for the calculation of inbreeding, where the average inbreeding coefficient is assigned to unknown parents based on the generation in which they were born. This result is a more accurate reflection of inbreeding of the herd and breed.

Inbreeding Levels for Specific Matings

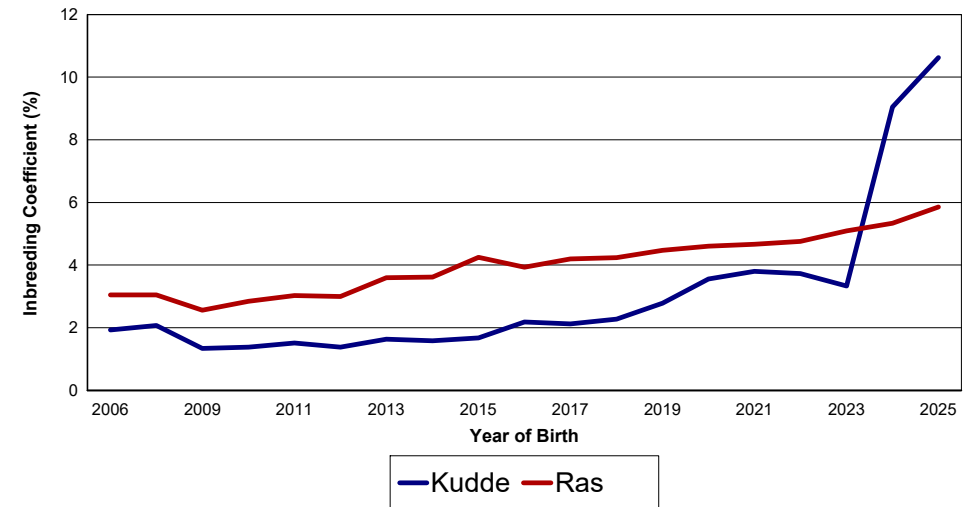
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2006 - 2025	10.63	0.46
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

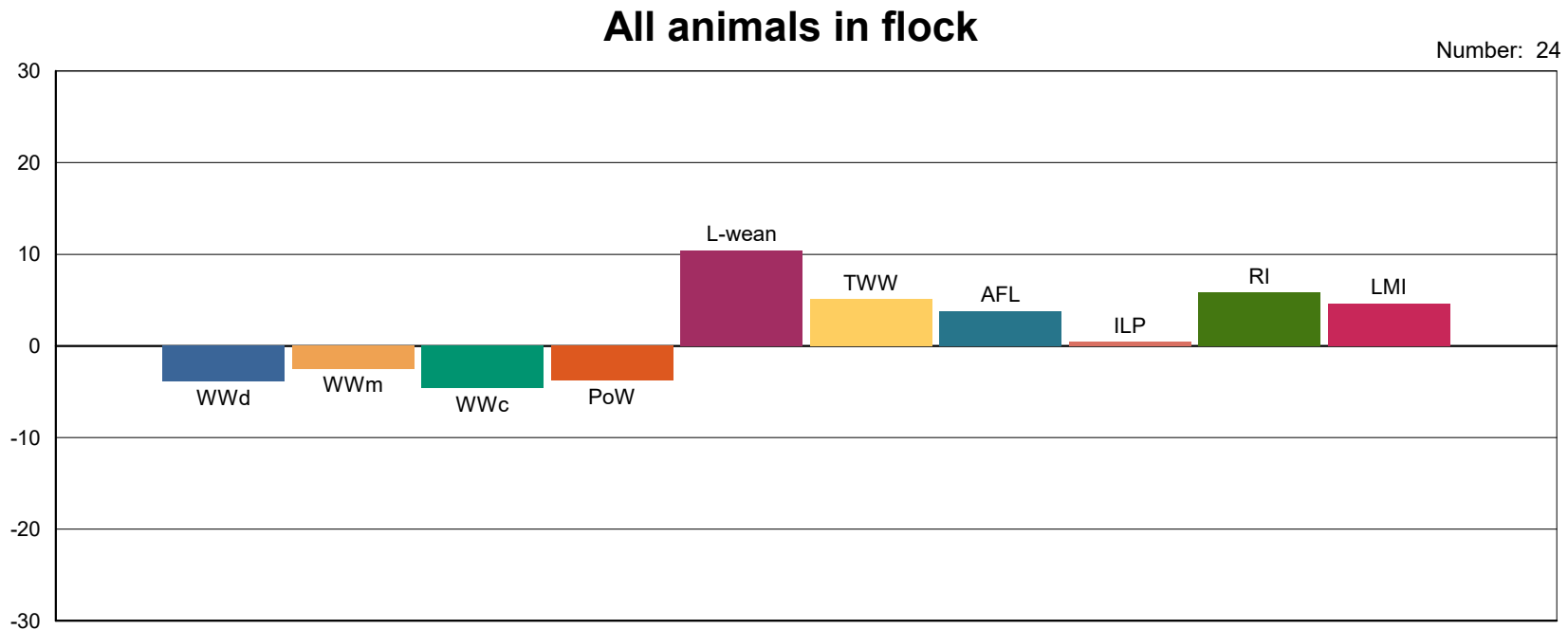


Pedigree Information

	Number	%
Known Sires	24	100
Known Dams	22	92

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

Genetic Windows



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

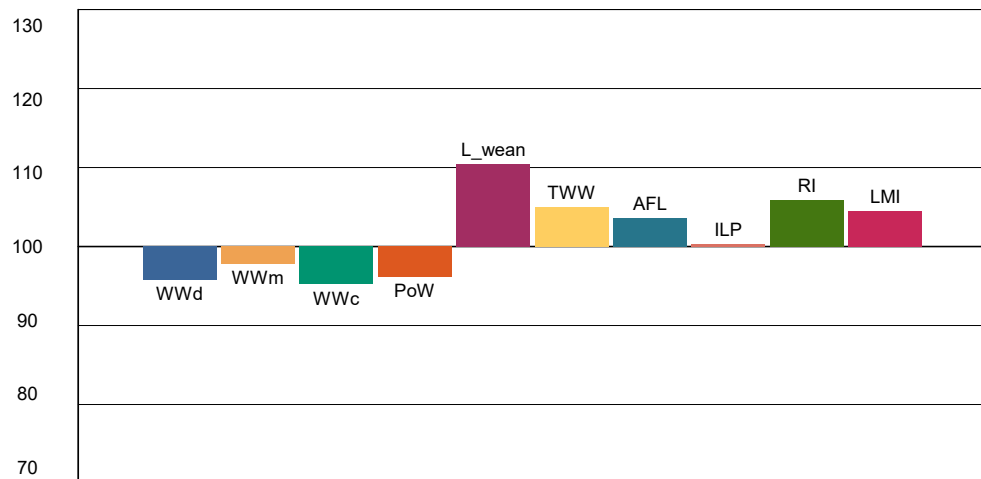
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

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

Genetic Windows

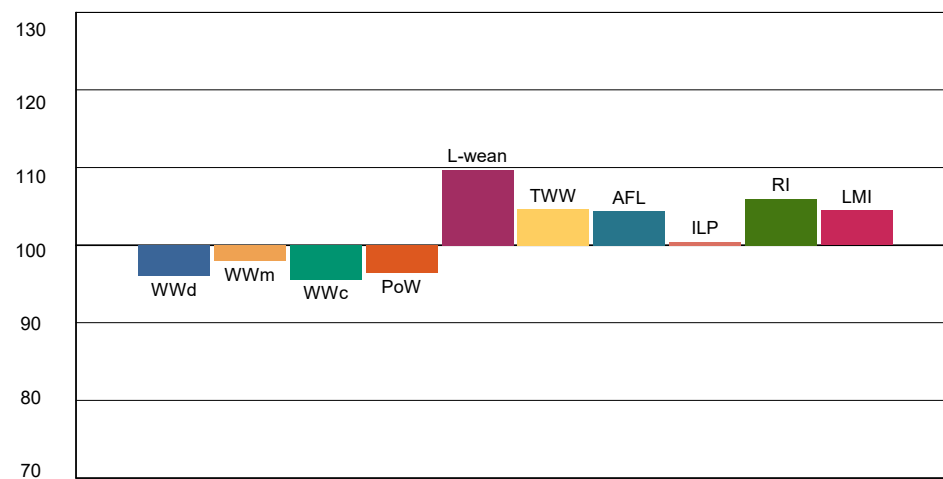
Dams

Number: 19



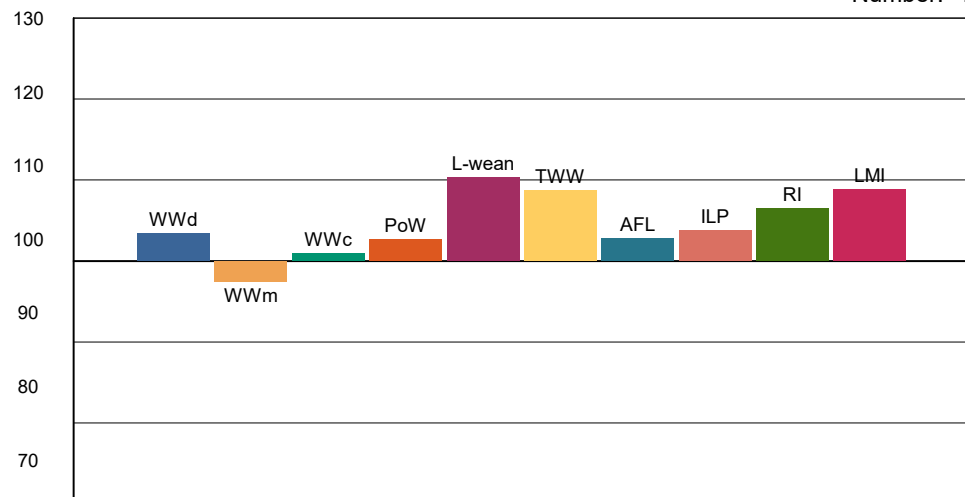
Sires

Number: 15



Young Ewes

Number: 4



Young Rams

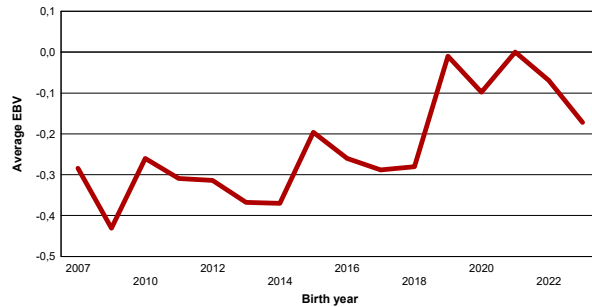
Number: 9



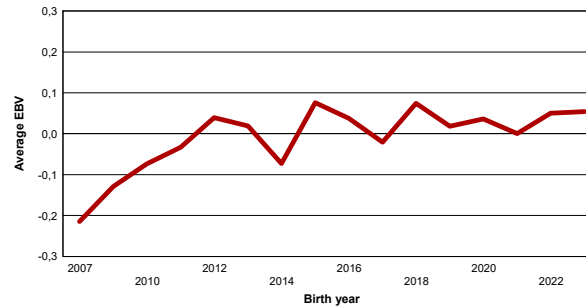
Genetic Trends

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

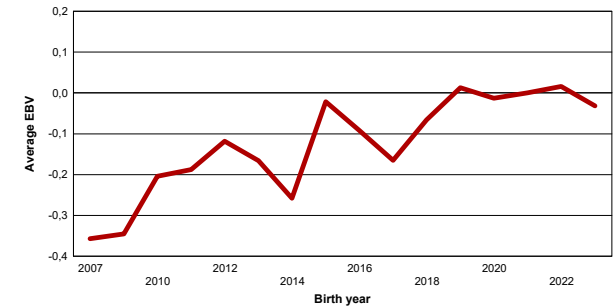
Weaning Weight Direct



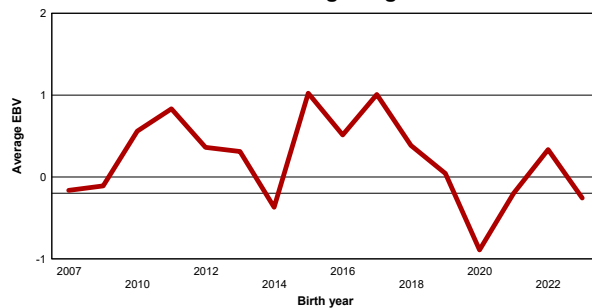
Wean Weight Maternal



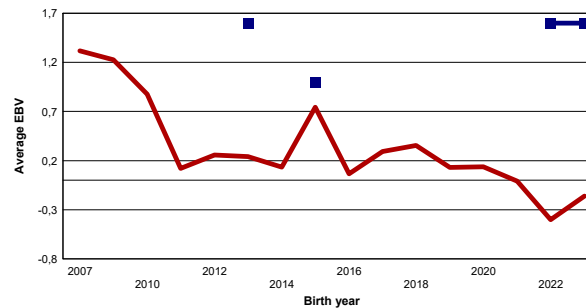
Weaning Weight Combined



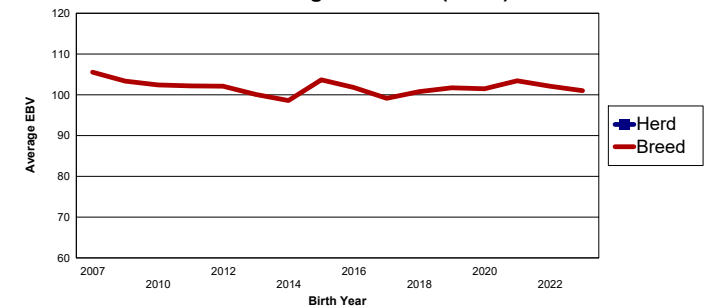
Post-weaning Weight



Number of Lambs Weaned

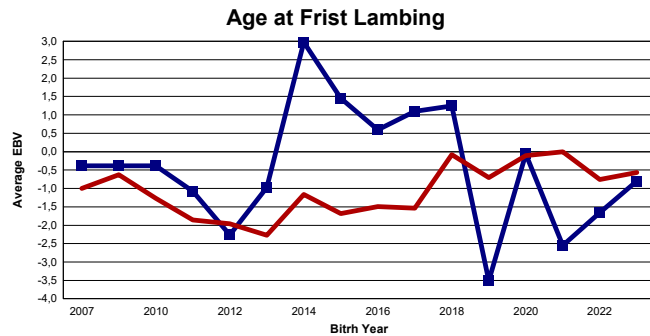


Total Weight Weaned (TWW)

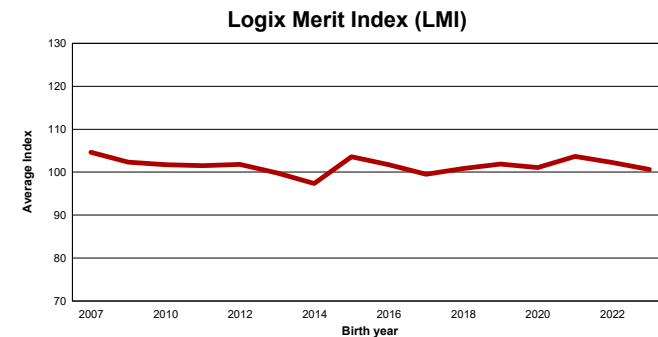
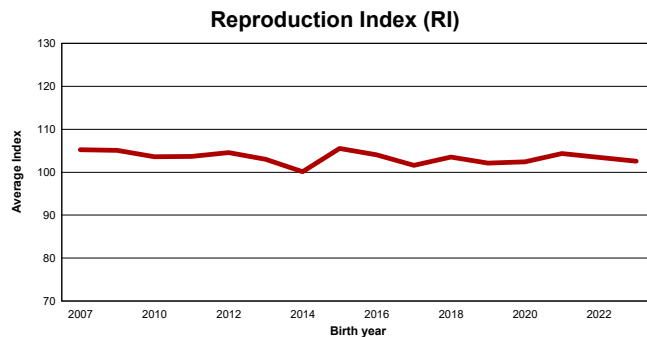
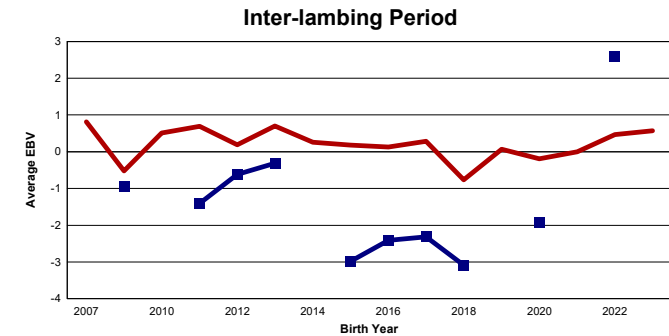


Genetic Trends

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



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



Genetic Trends of Breed

Birth year	Weaning Weight				Post-wean	Lambs Weaned		TWW	AFL		ILP		RI	LMI				
	EBV					Number	EBV		Number	EBV	Number	EBV			Number	EBV		
	Number	Dir	Mat	Comb														
2013	1336	-0.37	0.02	-0.17	108	0.51	508	0.24	1336	100	1078	-2.27	653	0.70	1336	103	1336	100
2014	1007	-0.37	-0.07	-0.26	58	-0.17	671	0.13	1007	99	1072	-1.16	661	0.26	1007	100	1007	97
2015	1626	-0.20	0.08	-0.02	233	1.23	705	0.74	1626	104	1180	-1.69	715	0.18	1626	106	1626	104
2016	1804	-0.26	0.04	-0.09	239	0.72	791	0.07	1804	102	1291	-1.49	887	0.13	1804	104	1804	102
2017	2163	-0.29	-0.02	-0.17	313	1.21	825	0.29	2120	99	1404	-1.53	992	0.29	2120	102	2120	99
2018	2547	-0.28	0.07	-0.07	236	0.58	909	0.35	2519	101	1853	-0.08	1275	-0.77	2519	104	2519	101
2019	2144	-0.01	0.02	0.01	254	0.24	889	0.13	2138	102	2101	-0.70	1389	0.07	2138	102	2138	102
2020	2459	-0.10	0.04	-0.01	436	-0.69	864	0.14	2459	102	2740	-0.11	1744	-0.19	2459	102	2459	101
2021	1759	0.00	0.00	0.00	330	0.00	823	-0.01	1759	103	3094	0.00	1960	0.00	1759	104	1759	104
2022	2519	-0.07	0.05	0.02	427	0.54	802	-0.40	2519	102	3449	-0.76	1843	0.46	2519	103	2519	102
2023	2896	-0.17	0.05	-0.03	465	-0.06	570	-0.16	2894	101	3098	-0.57	1076	0.57	2894	103	2894	101
2024	3036	0.04	-0.06	-0.04	414	1.29	196	-0.35	3035	100	1825	-1.17	154	0.85	3035	100	3035	100
2025	2284	0.15	-0.01	0.07	476	1.04			2283	103	82	-1.16			2283	101	2283	102

Genetic Trends of Flock

Birth year	Weaning Weight				Post-Wean	Lambs Weaned		TWW	AFL		ILP		RI		LMI				
	Number	Dir	Mat	Comb		Number	EBV		Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	
2013							1	1.60		17	-0.97	3	-0.32						
2014										6	2.98								
2015										2	1.00	10	1.45					1	-2.99
2016												4	0.60					1	-2.41
2017												11	1.10					1	-2.31
2018												13	1.25					2	-3.09
2019												15	-3.51						
2020												8	-0.06					1	-1.93
2021												7	-2.55						
2022												2	1.60						
2023						1	1.60			2	-0.80								

Breeding Value & Selection Index Percentiles

The percentiles indicate the ranking of the animals' EBVs and Selection Indices within the active population.

For example, if an animal's EBV for a specific trait falls between the maximum and 99% percentile of the trait, it means that this animal ranks in the top 1% of the active population, or this animal's genetic merit for the trait is better than 99% of that of the active population.

Should the EBV for a specific trait falls between the 5% and 10% percentile, it means that the animal ranks in the bottom 10% of the active population for the specific trait, or the animal's genetic merit is worse than 90% of the active population.

Note that the percentiles for Age at First Lambing and Inter-lambing Period EBVs work on the reverse scale.

All Active Animals

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.06	0.74	-4.91	-1.74	-1.04	-0.83	-0.65	-0.57	-0.48	-0.32	-0.16	0.02	0.22	0.35	0.51	0.91	1.28	2.04	4.89
Weaning Weight Maternal	-0.02	0.33	-2.29	-0.90	-0.58	-0.43	-0.26	-0.20	-0.15	-0.07	0.00	0.06	0.11	0.15	0.20	0.35	0.49	0.86	2.30
Weaning Weight Combined	-0.06	0.49	-2.89	-1.24	-0.79	-0.58	-0.39	-0.33	-0.28	-0.21	-0.12	-0.01	0.12	0.20	0.29	0.58	0.84	1.32	3.11
Post-Wean Weight	0.50	1.23	-7.95	-2.29	-1.01	-0.67	-0.42	-0.31	-0.19	0.05	0.33	0.61	0.96	1.14	1.38	1.99	2.60	4.25	12.54
Number of Lambs Weaned	-0.36	2.06	-13.10	-5.70	-4.20	-3.30	-2.20	-1.70	-1.30	-0.50	0.10	0.60	1.10	1.30	1.40	1.60	2.00	3.80	11.20
Total Weight Weaned	-0.30	1.53	-9.52	-4.12	-2.96	-2.34	-1.52	-1.22	-0.94	-0.48	-0.12	0.16	0.38	0.52	0.74	1.37	2.06	3.69	8.21
Age at First Lambing	-0.30	-6.96	62.93	17.45	10.46	7.50	4.40	3.30	2.43	0.97	-0.37	-1.47	-2.89	-3.74	-4.73	-7.80	-10.96	-19.95	-75.66
Interlambing Period	0.15	-3.66	23.72	9.96	6.51	4.87	2.99	2.35	1.75	0.75	-0.15	-0.94	-1.75	-2.21	-2.71	-4.10	-5.38	-8.00	-21.68
Reproduction Index	102	10	49	75	84	88	94	96	98	101	103	105	107	108	109	112	114	121	146
Logix Merit Index	101	9	62	79	85	89	94	95	97	100	102	103	105	106	107	111	116	126	147

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

Breeding Value & Selection Index Percentiles

All Active Rams

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.01	0.75	-4.91	-1.73	-0.99	-0.78	-0.60	-0.51	-0.41	-0.26	-0.09	0.07	0.30	0.42	0.57	0.96	1.32	2.10	3.75
Weaning Weight Maternal	-0.03	0.31	-1.73	-0.81	-0.55	-0.42	-0.26	-0.20	-0.16	-0.08	-0.01	0.05	0.11	0.14	0.19	0.33	0.45	0.76	1.79
Weaning Weight Combined	-0.03	0.46	-2.44	-1.09	-0.69	-0.51	-0.36	-0.31	-0.26	-0.19	-0.10	0.01	0.14	0.21	0.29	0.57	0.82	1.25	2.18
Post-Wean Weight	0.58	1.24	-7.95	-2.36	-0.94	-0.60	-0.33	-0.22	-0.10	0.17	0.45	0.71	1.06	1.24	1.48	2.06	2.64	4.24	12.54
Number of Lambs Weaned	-0.55	2.07	-8.30	-5.70	-4.40	-3.60	-2.40	-2.00	-1.50	-0.80	-0.20	0.40	0.80	1.10	1.30	1.60	1.90	3.60	8.30
Total Weight Weaned	-0.37	1.55	-5.94	-4.10	-3.06	-2.47	-1.65	-1.33	-1.05	-0.55	-0.18	0.11	0.37	0.50	0.72	1.35	2.01	3.69	7.18
Age at First Lambing	-0.22	-6.62	39.94	16.34	10.21	7.43	4.48	3.42	2.57	1.12	-0.29	-1.47	-2.85	-3.69	-4.63	-7.53	-10.44	-18.29	-65.44
Interlambing Period	0.19	-3.45	20.34	9.44	6.20	4.66	2.89	2.30	1.73	0.78	-0.11	-0.90	-1.67	-2.11	-2.61	-3.86	-4.98	-7.30	-14.85
Reproduction Index	101	9	55	76	83	88	93	95	97	100	103	105	107	108	109	111	114	120	135
Logix Merit Index	100	9	65	79	85	88	93	95	97	99	101	103	105	106	107	111	116	126	144

All Active Ewes

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.09	0.74	-3.89	-1.74	-1.07	-0.86	-0.67	-0.60	-0.51	-0.36	-0.20	-0.02	0.19	0.31	0.47	0.88	1.27	2.00	4.89
Weaning Weight Direct	-0.02	0.34	-2.29	-0.94	-0.59	-0.44	-0.27	-0.20	-0.15	-0.07	0.00	0.06	0.12	0.16	0.21	0.37	0.52	0.89	2.30
Weaning Weight Combined	-0.07	0.50	-2.89	-1.31	-0.83	-0.62	-0.41	-0.34	-0.29	-0.22	-0.13	-0.02	0.11	0.19	0.29	0.58	0.85	1.36	3.11
Post-Wean Weight	0.46	1.22	-6.83	-2.27	-1.05	-0.70	-0.46	-0.36	-0.24	-0.01	0.27	0.55	0.90	1.09	1.33	1.96	2.58	4.25	8.78
Number of Lambs Weaned	-0.26	2.05	-13.10	-5.80	-4.10	-3.20	-2.00	-1.60	-1.10	-0.40	0.20	0.70	1.10	1.30	1.50	1.70	2.00	3.90	11.20
Total Weight Weaned	-0.27	1.52	-9.52	-4.15	-2.89	-2.26	-1.45	-1.16	-0.90	-0.44	-0.10	0.19	0.39	0.54	0.75	1.38	2.08	3.69	8.21
Age at First Lambing	-0.34	-7.13	62.93	18.10	10.67	7.55	4.36	3.23	2.34	0.88	-0.38	-1.48	-2.90	-3.76	-4.78	-7.95	-11.29	-20.92	-75.66
Interlambing Period	0.13	-3.78	23.72	10.31	6.69	4.98	3.03	2.38	1.76	0.73	-0.17	-0.94	-1.80	-2.27	-2.76	-4.23	-5.54	-8.30	-21.68
Reproduction Index	102	10	49	74	84	89	94	96	98	101	104	106	108	109	109	112	115	122	146
Logix Merit Index	101	9	62	79	86	89	94	96	97	100	102	103	105	106	107	111	116	126	147

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

Rams

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information					Selection Indices		EBV - Weights				EBV - Fertility												
Animal ID Comp no.			Parents			% In-breeding	Logix Merit Index	Reproducti on	Wean Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam						
									Dir	Mat	Comb												
								EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EPI	Times Lambded						
Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15								
1212	12	0134	770	09	0185	1.38	101	107	-1.07	-0.07	-0.61	-1.13	1.50	-0.25	-3.77	0.47	3						
	73276362		1212	10	0006				16	88	14	99	90	8	88	5	111	12	101	24	105	13	101
1212	20	0182	1509	17	0010	2.92	101	104	-0.94	-0.14	-0.61	-0.78	1.60	-0.12	-5.46	3.25	1						
	98883952		1212	19	0171				10	89	10	97	90	5	91	5	111	8	102	27	107	14	93
1212	21	0082	1509	20	0126	2.86	102	106	-0.90	-0.09	-0.54	-0.75	1.60	-0.03	-3.83	1.33	1						
	107396251		1212	19	0388				10	90	9	99	91	5	91	5	111	8	102	24	105	12	98
1384	21	0208	1610	18	0117	2.55	106	108	0.13	-0.05	0.02	0.26	0.90	0.62	0.93	-3.94	9						
	95234985		1384	15	0381				42	101	23	100	101	8	97	8	108	27	106	48	99	25	113
1509	22	0093	1509	20	0138	2.65	102	105	-0.71	-0.03	-0.38	-0.55	1.50	0.16	-7.89	5.27	3						
	107470932		1509	21	0076				8	92	6	100	94	5	92	5	111	6	104	29	110	17	87
IMPP	22	3244	20	1	22	2.71	105	109	-0.63	0.10	-0.21	-0.13	1.60	0.43	-1.85	-0.20							
	112897939		-	-	-				20	93	11	103	97	19	95	5	111	12	105	12	102	6	102
1509	24	0038	762	22	0517	3.63	100	109	-1.15	-0.05	-0.62	-1.23	0.80	-0.72	-5.77	-2.15	2						
	107872913		1509	22	0001				28	87	23	100	90	12	88	12	107	22	98	29	107	19	108
1658	24	0264	1658	23	0159	2.73	103	106	-0.76	-0.04	-0.42	-0.57	1.70		-3.98	2.02	2						
	107189920		1658	23	0075				5	91	5	100	93	5	92	5	111			28	105	14	96
IMPA	24	3986	1215	-	-	3.20	104	106	-0.53	0.02	-0.24	-0.19	1.50	0.39	-1.41	1.26	1						
	112897921		19	2	53				13	94	7	101	96	11	94	5	111	8	105	11	102	5	98
Ram Flock Average:							103	107	-0.73	-0.04	-0.40	-0.56	1.41	0.08	-3.67	0.81							
Number of rams in the flock: 9																							

Ewes

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information					Selection Indices		EBV - Weights				EBV - Fertility									
Animal Comp no.				% In- breeding	Logix Merit Index	Repro- duction Index	Wean Weight		Comb	Post-Wean		Number Weaned	TWW		AFL		ILP		Times EPI Lamberd	
							Dir	Mat		Acc	Index		Acc	Index	Acc	Index	Acc	Index	Acc	Index
							EBV	EBV	EBV			EBV								
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
1212 14 0133 75491852	770 11 0019 1212 10 0006	1.51		104	109	-0.67 5 92	0.08 5 103	-0.26 96	-0.49 5 92	1.60 5 111		-1.73 11 102	-0.50 5 103	0						
IMPP 19 2533 112897905	14 9 46 4DJL - - -	2.90		104	110	-0.78 8 91	0.14 8 104	-0.25 96	-0.33 5 94	1.70 5 111	0.38 7 105	-2.29 13 103	0.52 7 101	1						
1212 20 0119 110490471	1509 17 0010 1212 18 0180	2.92		101	103	-0.75 12 91	-0.21 11 96	-0.59 90	-0.49 5 92	1.50 5 111	-0.06 10 102	-5.56 31 107	3.12 15 93	1						
1212 21 0018 107396459	1509 17 0010 1212 17 0268	2.92		103	107	-0.68 5 92	-0.02 5 100	-0.36 94	-0.44 5 93	1.60 5 111		2.33 39 97	-1.78 9 107	1						
1212 22 0208 99475816	1212 21 0001 1212 17 0255	2.66		104	109	-0.72 5 92	0.04 5 102	-0.32 95	-0.55 5 92	1.60 5 111		-2.28 15 103	-0.61 5 104	0						
1212 23 0210 107396467	1509 20 0138 1212 21 0018	2.57		102	106	-0.76 8 91	-0.07 6 99	-0.45 93	-0.55 5 92	1.60 5 111	0.14 6 103	-4.65 30 106	2.38 15 95	0						
776 23 0258 112599295	776 22 0447 776 22 0029	9.67		108	104	0.64 35 107	-0.29 32 94	0.03 101	1.59 23 106	0.60 14 106	0.71 29 107	-4.44 40 105	-1.10 27 105	0						
2149 24 0050 107475915	776 23 0172 776 23 0061	18.20		112	99	1.45 59 116	-0.53 35 88	0.20 104	2.46 14 112	1.70 10 111	1.94 38 114	0.22 47 100	1.27 22 98	1						
2149 24 0055 101482172	776 23 0172 776 23 0099	20.77		109	102	0.65 57 107	-0.57 33 87	-0.24 96	1.67 14 107	1.80 10 112	1.16 37 109	-6.19 41 108	1.20 22 99	0						
776 24 0114 107769242	776 23 0172 776 22 0263	15.45		106	101	0.27 43 103	-0.63 27 85	-0.50 92	0.97 13 102	1.90 9 112	0.78 29 107	-4.86 39 106	0.98 19 99	0						
776 24 0180 112599790	776 23 0172 776 22 0029	4.97		113	105	1.14 46 113	-0.35 31 92	0.22 104	2.17 17 110	1.40 9 110	1.63 32 112	-4.72 41 106	-0.78 24 104	0						
776 24 0225 112599766	776 21 0603 776 22 0080	10.52		108	107	0.19 28 102	0.00 24 101	0.10 102	0.89 13 101	1.10 7 109	0.85 22 108	-2.92 39 104	-0.03 20 102	0						
1212 24 0559 107396665	1212 21 0082 1212 19 0408	8.59		100	104	-1.01 11 88	-0.17 10 97	-0.68 89	-0.88 5 90	1.60 5 111	-0.23 9 101	-4.82 23 106	2.58 13 95	0						
776 25 0196 112599824	776 24 0002 776 24 0236	17.04		109	105	0.56 27 106	-0.35 20 92	-0.07 99	1.39 9 105	1.70 7 111	1.23 20 110	0.31 31 99	-2.25 15 108	0						
IMPA 25 4377 112898002	22 3 24 4 22 3 20 2	4.21		105	110	-0.57 12 93	0.17 8 105	-0.12 98	-0.12 11 95	1.60 5 111	0.56 8 106	-2.09 9 102	0.32 5 101	0						

	Ewe flock average: Total ewes in flock: 15	106	105	-0.07	-0.18	-0.22	0.49	1.53	0.67	-2.91	0.35
--	---	-----	-----	-------	-------	-------	------	------	------	-------	------

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information		Parents & Progeny						Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breedin g	Sire ID Dam ID	1st Generation		2nd Generation		Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean		Number Weaned EBV Acc Index	TWW EBV Acc Index	AFL EBV Acc Index	ILP EBV Acc Index	Dam EPI Times Lambded		
			Progeny Number y	Herds	Progeny Number Weaned	Herds			Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index								
		Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1 770 09 0185 70162433	1.35															-7.27 46 109	1.92 26 97		
2 770 11 0019 69776235	1.51															-3.19 19 104			
3 IMPP 14 9464 95577326	2.25	12 8 86 5DJL					104	110	-0.89 16 90	0.20 15 106	-0.25 96	-0.17 10 95	1.70 5 111	0.33 13 104	-4.20 26 105	1.97 13 96		3	
4 1509 17 0010 86238854	2.92															-5.83 40 107	2.91 18 94		
5 1610 18 0117 82719907	2.89	1590 15 0038 1610 15 0311	44	1	1	1	108	104	1.00 83 111	-0.18 46 96	0.32 106	1.09 17 103	0.10 17 104	0.87 54 108	0.41 79 99	-3.90 44 113		1	
6 1509 20 0126 100023829	2.80	1509 18 0015 1509 17 0012					104	109	-0.67 5 92	0.08 5 103	-0.26 96	-0.49 5 92	1.60 5 111		-2.39 12 103	-0.07 5 102		4	
7 1509 20 0138 97400006	2.58	1658 18 0027 1509 18 0220					102	104	-0.84 15 90	-0.11 11 98	-0.53 91	-0.66 5 91	1.60 5 111	0.01 10 103	-11.63 47 115	6.54 29 84		1	
8 IMPP 20 1227 99140238	2.90	18 0 48 8DJL 19 0 80 8DJL					106	110	-0.59 41 93	0.13 22 104	-0.17 97	0.23 38 97	1.60 5 111	0.50 25 105	-3.32 25 104	0.55 12 100		1	
9 IMPP 20 0 121 112577598	2.84	18 4 47 DJL 18 0 42 6					103	103	-0.28 25 97	-0.10 13 98	-0.24 96	-0.05 21 95	1.40 5 110	0.46 16 105	-0.52 18 100	2.01 7 96		1	
10 1212 21 0001 99475808	2.92	1509 19 0095 1212 19 0357					104	110	-0.74 5 91	0.03 5 102	-0.34 95	-0.59 5 92	1.60 5 111		-2.86 21 103	-1.13 9 105		1	
11 1212 21 0082 107396251	2.86	1509 20 0126 1212 19 0388					102	106	-0.90 10 90	-0.09 9 99	-0.54 91	-0.75 5 91	1.60 5 111	-0.03 8 102	-3.83 24 105	1.33 12 98		1	
12 776 21 0603 99287518	3.46	430 20 0078 776 18 0227			3	1	108	109	0.13 44 101	0.12 41 104	0.19 104	0.88 20 101	1.20 12 109	0.97 35 108	-0.74 60 101	-1.38 32 106		4	
13 776 22 0447 97597256	7.51	430 10 0119 776 18 0227			1	1	102	95	0.40 52 104	-0.72 48 83	-0.52 91	1.34 37 104	0.30 25 105	-0.14 44 102	-3.71 59 105	0.34 38 101		4	

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices ≥ 124
Above breed average
Indices ≤ 76

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

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

Animal Information		Parents & Progeny				Selection Indices		EBV - Weights				EBV - Fertility						
Animal ID Computer nr	% In-breedin g	Sire ID Dam ID	1st Generation		2nd Generation		Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean	Number Weaned	TWW	AFL	ILP	Dam		
			Progen y	Number Herds	Progeny Weaned	Number Herds			Dir EBV Acc Index	Mat EBV Acc Index							Comb EBV Index	EBV Acc Index
		Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15			
14	762 22 0517 96016316	7.82	762 20 0208 762 17 0228	1	1			97	109	-1.65 54 81	-0.05 44 100	-0.88 85	-1.91 23 83	0.60 24 106	-1.34 43 95	-8.21 50 110	-1.59 32 106	4
15	IMPP 22 3244 112897939	2.71	20 1 22 7 - - -					105	109	-0.63 20 93	0.10 11 103	-0.21 97	-0.13 19 95	1.60 5 111	0.43 12 105	-1.85 12 102	-0.20 6 102	
16	1658 23 0159 98270630	2.74	1658 20 5172 1658 20 0162					102	105	-0.77 11 91	-0.09 6 99	-0.48 92	-0.58 5 92	1.70 5 111	0.16 7 103	-5.18 39 106	3.40 19 93	4
17	776 23 0172 101222859	15.87	776 19 0103 776 20 0053	31	1			112	97	1.41 80 116	-0.84 46 80	-0.14 98	2.50 21 112	1.90 14 112	1.71 52 112	-4.25 62 105	0.99 31 99	5
18	776 24 0002 110300316	8.36	776 21 0729 776 18 0258					108	108	0.24 33 102	-0.16 30 97	-0.04 100	0.93 14 102	1.50 11 111	0.98 27 108	3.37 42 96	-4.61 23 115	6
		Sire Flock Average: Number of sires used in the flock: 18				104	106	-0.32	-0.11	-0.27	0.11	1.33	0.37	-3.62	0.53			

Ram Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information		Parents & Progeny			Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation	2nd Generation	Logix Merit Index	Repro- duction Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam	
			Progeny Number	Progeny Number			Dir	Mat	Comb							
			Weaned Herds	Weaned Herds												EBV Acc Index
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1	1384 21 0208 95234985	2.55	610 18 0117 384 15 0381		106	108	0.13 42 101	-0.05 23 100	0.02 101	0.26 8 97	0.90 8 108	0.62 27 106	0.93 48 99	-3.94 25 113	9	
2	MPF 22 3244 112897939	2.71	20 1 22 7 - - -		105	109	-0.63 20 93	0.10 11 103	-0.21 97	-0.13 19 95	1.60 5 111	0.43 12 105	-1.85 12 102	-0.20 6 102		
3	MPA 24 3986 112897921	3.20	215 - - 19 2 53 3		104	106	-0.53 13 94	0.02 7 101	-0.24 96	-0.19 11 94	1.50 5 111	0.39 8 105	-1.41 11 102	1.26 5 98	1	
4	1658 24 0264 107189920	2.73	658 23 0159 658 23 0075		103	106	-0.76 5 91	-0.04 5 100	-0.42 93	-0.57 5 92	1.70 5 111		-3.98 28 105	2.02 14 96	2	
5	1509 22 0093 107470932	2.65	509 20 0138 509 21 0076		102	105	-0.71 8 92	-0.03 6 100	-0.38 94	-0.55 5 92	1.50 5 111	0.16 6 104	-7.89 29 110	5.27 17 87	3	
6	1212 21 0082 107396251	2.86	509 20 0126 212 19 0388		102	106	-0.90 10 90	-0.09 9 99	-0.54 91	-0.75 5 91	1.60 5 111	-0.03 8 102	-3.83 24 105	1.33 12 98	1	
7	1212 20 0182 98883952	2.92	509 17 0010 212 19 0171		101	104	-0.94 10 89	-0.14 10 97	-0.61 90	-0.78 5 91	1.60 5 111	-0.12 8 102	-5.46 27 107	3.25 14 93	1	
8	1212 12 0134 73276362	1.38	770 09 0185 212 10 0006		101	107	-1.07 16 88	-0.07 14 99	-0.61 90	-1.13 8 88	1.50 5 111	-0.25 12 101	-3.77 24 105	0.47 13 101	3	
9	1509 24 0038 107872913	3.63	762 22 0517 509 22 0001		100	109	-1.15 28 87	-0.05 23 100	-0.62 90	-1.23 12 88	0.80 12 107	-0.72 22 98	-5.77 29 107	-2.15 19 108	2	

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information			Parents	Selection Indices		EBV - Weights						EBV - Fertility								
Animal ID Computer nr		% In-breeding	Sire ID Dam ID		Logix Merit Index	Reproduction Index	Weaning Weight		Post-Wean		Number Weaned		TWW		AFL		ILP		EPI	Times Lambded
							Dir	Mat	Comb		Acc	Index	Acc	Index	Acc	Index	Acc	Index		
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
1	776 24 0180 112599790	4.97	776 23 0172 776 22 0029	113	105	1.14 46	-0.35 31	0.22 104	2.17 17	110	1.40 9	1.63 32	-4.72 41	-0.78 24	0					
2	2149 24 0050 107475915	18.20	776 23 0172 776 23 0061	112	99	1.45 59	-0.53 35	0.20 104	2.46 14	112	1.70 10	1.94 38	0.22 47	1.27 22	1					
3	2149 24 0055 101482172	20.77	776 23 0172 776 23 0099	109	102	0.65 57	-0.57 33	-0.24 96	1.67 14	107	1.80 10	1.16 37	-6.19 41	1.20 22	0					
4	776 25 0196 112599824	17.04	776 24 0002 776 24 0236	109	105	0.56 27	-0.35 20	-0.07 99	1.39 9	105	1.70 7	1.23 20	0.31 31	-2.25 15	0					
5	776 23 0258 112599295	9.67	776 22 0447 776 22 0029	108	104	0.64 35	-0.29 32	0.03 101	1.59 23	106	0.60 14	0.71 29	-4.44 40	-1.10 27	0					
6	776 24 0225 112599766	10.52	776 21 0603 776 22 0080	108	107	0.19 28	0.00 24	0.10 102	0.89 13	101	1.10 7	0.85 22	-2.92 39	-0.03 20	0					
7	776 24 0114 107769242	15.45	776 23 0172 776 22 0263	106	101	0.27 43	-0.63 27	-0.50 92	0.97 13	102	1.90 9	0.78 29	-4.86 39	0.98 19	0					
8	IMPA 25 4377 112898002	4.21	22 3 24 4 22 3 20 2	105	110	-0.57 12	0.17 8	-0.12 98	-0.12 11	95	1.60 5	0.56 8	-2.09 9	0.32 5	0					
9	IMPP 19 2533 112897905	2.90	14 9 46 4DJL - - -	104	110	-0.78 8	0.14 8	-0.25 96	-0.33 5	94	1.70 5	0.38 7	-2.29 13	0.52 7	1					
10	1212 14 0133 75491852	1.51	770 11 0019 1212 10 0006	104	109	-0.67 5	0.08 5	-0.26 96	-0.49 5	92	1.60 5		-1.73 11	-0.50 5	0					
11	1212 22 0208 99475816	2.66	1212 21 0001 1212 17 0255	104	109	-0.72 5	0.04 5	-0.32 95	-0.55 5	92	1.60 5		-2.28 15	-0.61 5	0					
12	1212 21 0018 107396459	2.92	1509 17 0010 1212 17 0268	103	107	-0.68 5	-0.02 5	-0.36 94	-0.44 5	93	1.60 5		2.33 39	-1.78 9	1					
13	1212 23 0210 107396467	2.57	1509 20 0138 1212 21 0018	102	106	-0.76 8	-0.07 6	-0.45 93	-0.55 5	92	1.60 5	0.14 6	-4.65 30	2.38 15	0					
14	1212 20 0119 110490471	2.92	1509 17 0010 1212 18 0180	101	103	-0.75 12	-0.21 11	-0.59 90	-0.49 5	92	1.50 5	-0.06 10	-5.56 31	3.12 15	1					
15	1212 24 0559 107396665	8.59	1212 21 0082 1212 19 0408	100	104	-1.01 11	-0.17 10	-0.68 89	-0.88 5	90	1.60 5	-0.23 9	-4.82 23	2.58 13	0					