



BOERBOK GENETIC REPORT

21 September 2026



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FDM : 2205



CERTIFICATE
OF QUALITY

Valid up to
October 2029

 **SA** STAMBOEK
STUD BOOK
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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 :

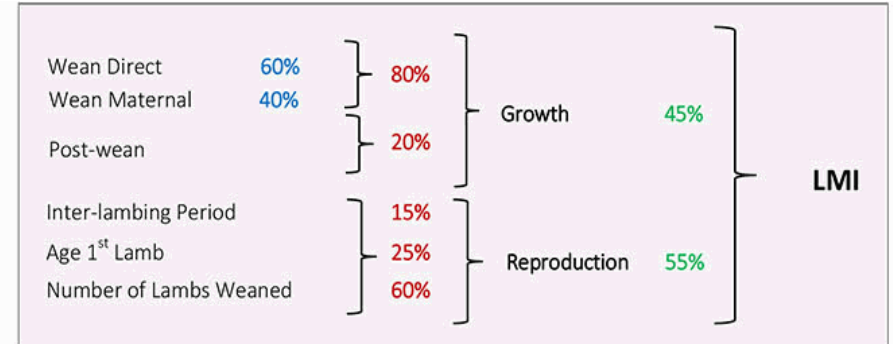
Logix Merit Index (LMI)

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	-0.27	-0.05	-0.36	-0.06	-0.01	-0.09
Weaning Weight Maternal	0.11	0.14	0.09	-0.02	-0.03	-0.02
Weaning Weight Combined	-0.03	0.12	-0.09	-0.06	-0.03	-0.07
Post-wean Weight	0.25	0.55	0.13	0.50	0.58	0.45
Number Lambs Weaned	0.00	-0.26	0.10	-0.36	-0.55	-0.26
Total Weight Weaned	-0.17	-0.07	-0.21	-0.31	-0.37	-0.27
Age at First Lambing	-1.20	-0.57	-1.43	-0.30	-0.22	-0.35
Inter-lambing Period	0.42	-0.23	0.66	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	102	103	101	101	100	101
Reproduction Index	104	105	104	102	101	102
Inbreeding						
Inbreeding (%)	5.28	5.66	5.13	5.54	5.93	5.34
Number of Animals						
Number of Animals	29	8	21	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	96.6	99.1	95.7
Weaning Weight Maternal	103.5	104.3	103.1
Weaning Weight Comb	99.8	102.3	98.8
Post-wean Weight	97.2	99.3	96.5
Number Lambs Weaned	103.4	102.2	103.9
Total Weight Weaned	101.6	102.1	101.3
Age First Lambing	101.3	100.5	101.6
Interlambing Period	100.7	102.5	100.1
Selection Indices			
Logix Merit Index	101.7	102.6	101.3
Ewe Index	104.5	104.6	104.4
Growth Index	97.4	99.8	96.5
Inbreeding			
Inbreeding (%)	5.28	5.66	5.13
Number of Animals			
Number of Animals	29	8	21

** Averages of all active animals in the flock.

Inbreeding

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

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

Inbreeding Levels for Specific Matings

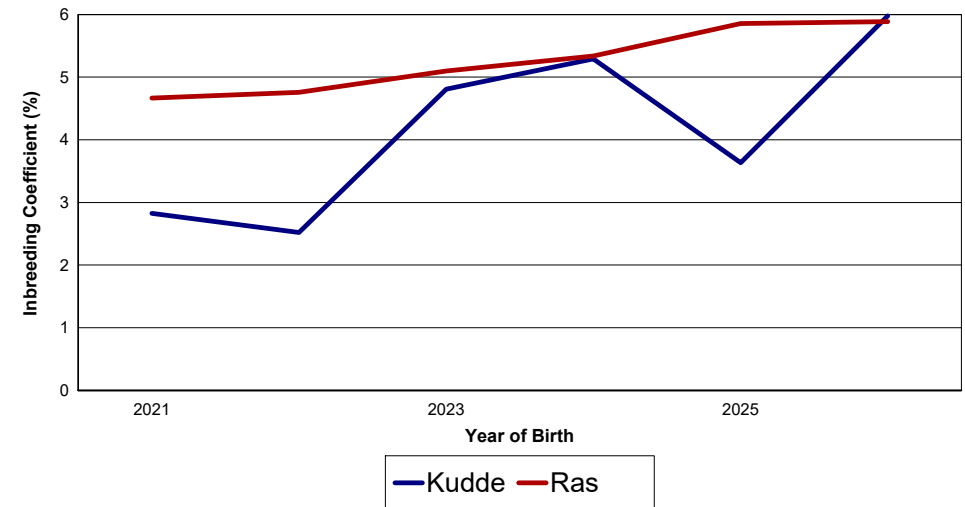
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2021 - 2026	5.98	0.63
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

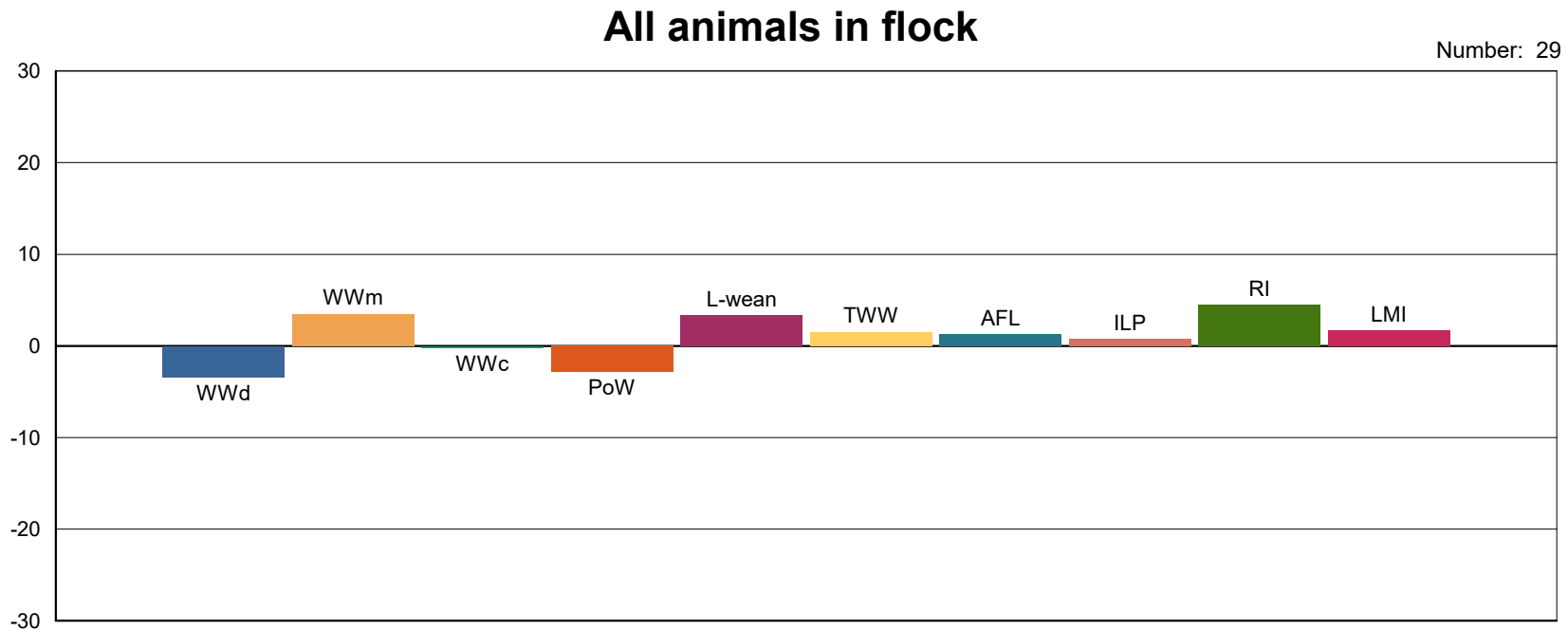


Pedigree Information

	Number	%
Known Sires	29	100
Known Dams	29	100

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

Genetic Windows



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

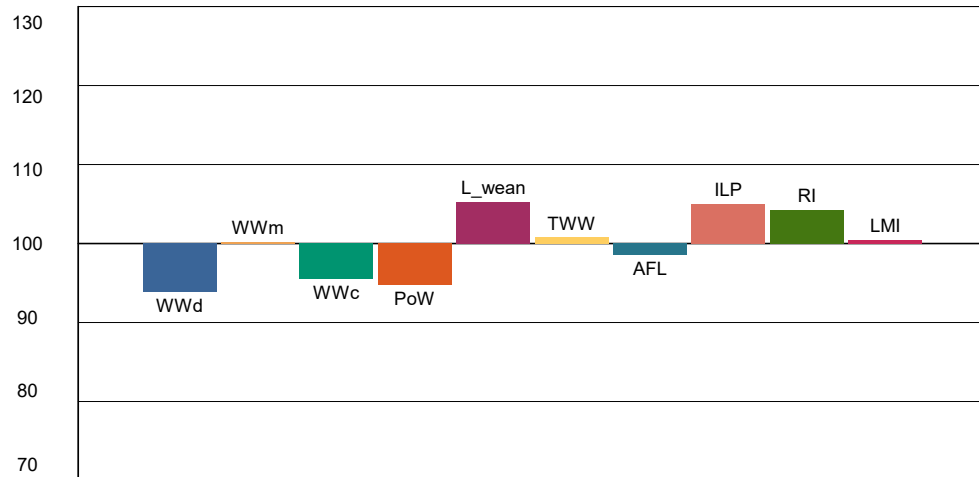
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

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

Genetic Windows

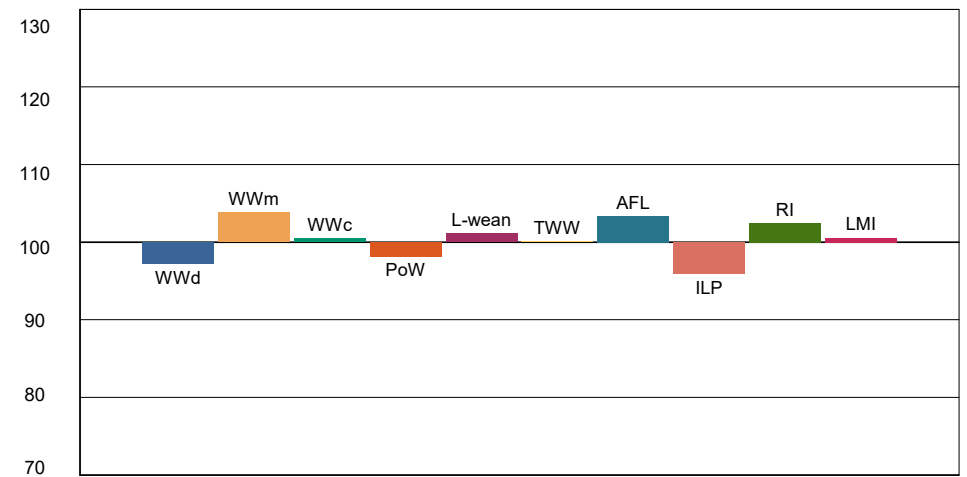
Dams

Number: 23



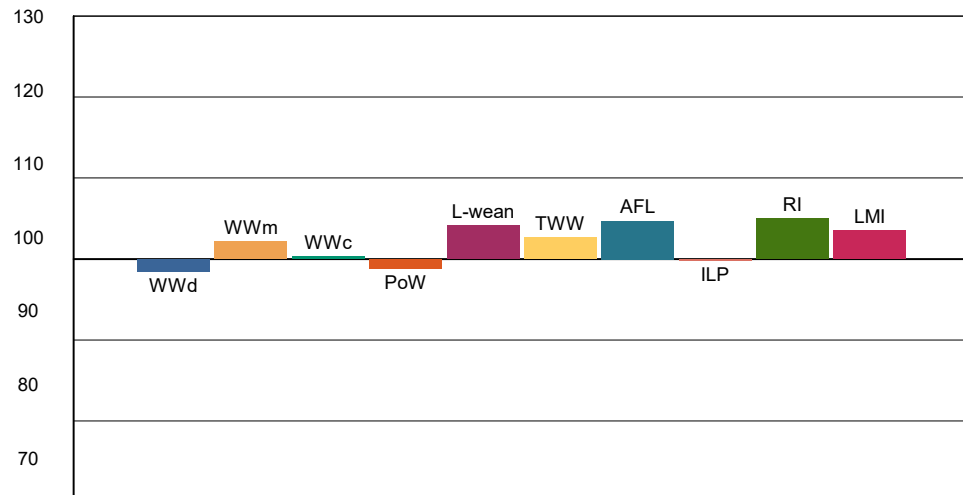
Sires

Number: 13



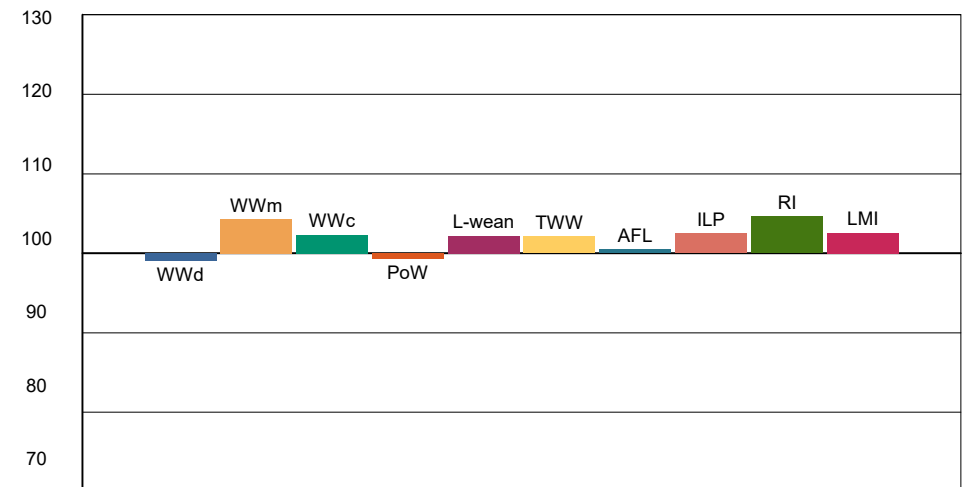
Young Ewes

Number: 11



Young Rams

Number: 8



Genetic Trends

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

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

Genetic Trends of Flock

Birth year	Weaning Weight EBV				Post-Wean		Lambs Weaned		TWW		AFL		ILP		RI		LMI	
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV

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			Parents			% In-breeding	Logix Merit Index	Reproducti on	Wean Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam			
Comp no.									Dir	Mat	Comb									
									Acc	EBV Index	Acc	EBV Index	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	EPI Times Lambed
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
1584	24	0010	430	21	0129	2.23	117	112	1.20	0.16	0.76	2.29	0.70	1.77	-12.06	0.02	95	4		
100365303			1584	20	0068		56	113	37	105	113	21	111	10	107	38			113	42
2205	26	0001	762	24	0306	9.15	90	95	-0.50	0.25	0.00	-0.44	-3.00	-2.05	4.54	1.46	1			
114395114			762	24	0647		45	94	33	107	100	13	93	16	89	34			91	33
2205	26	0004	1584	24	0010	3.26	107	111	-0.22	0.33	0.22	0.31	0.80	0.59	-4.26	0.21	1			
114390685			1584	23	0132		38	97	26	109	104	12	98	9	107	27			106	29
2205	26	0006	1584	24	0010	10.88	107	104	0.59	-0.06	0.24	1.85	-0.40	0.29	-5.30	0.00	1			
114390677			1637	24	0022		35	106	25	99	104	16	108	11	102	26			104	29
2205	26	0013	1584	24	0010	4.60	115	114	0.77	0.27	0.65	1.75	1.00	1.64	-6.47	-2.15	2			
114390693			1637	23	0182		30	108	21	108	112	13	107	6	108	21			112	28
2205	26	0016	970	21	0037	4.11	93	102	-1.51	0.23	-0.52	-1.48	0.40	-1.04	10.49	-0.13	94	3		
114390669			1584	22	0158		53	83	41	107	91	12	86	16	105	40			97	40
2205	26	0018	1637	23	0200	5.52	97	99	-0.36	-0.03	-0.21	0.06	-0.80	-0.87	4.25	-0.61	1			
114390644			1637	23	0151		25	96	21	100	97	12	96	11	100	20			98	28
2205	26	0019	1637	23	0200	5.52	97	99	-0.36	-0.03	-0.21	0.06	-0.80	-0.87	4.25	-0.61	1			
114391253			1637	23	0151		25	96	21	100	97	12	96	11	100	20			98	28
Ram Flock Average: Number of rams in the flock: 8							103	105	-0.05	0.14	0.12	0.55	-0.26	-0.07	-0.57	-0.23				

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				EBV	EBV	EBV	EBV	EBV	EBV	EBV	EBV
							Acc	Index	Acc	Index	Index	Index	Index	Index	Acc	Index	Acc	Index	Acc
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15					
970 21 0090 92692656	970 19 0098 970 17 0005	2.83	102	103	-0.48 42 94	0.29 42 108	0.05 101	-0.37 12 93	0.80 12 107	0.29 35 104	-6.66 50 108	8.57 33 78	96	3					
1584 22 0158 95643987	970 20 0005 1584 17 0071	2.52	88	93	-1.80 59 80	-0.62 55 85	-1.51 74	-1.20 14 88	0.90 24 108	-1.87 49 92	12.48 49 84	-2.13 33 108	94	3					
1584 23 0032 96833363	970 20 0005 1584 21 0053	2.69	90	97	-1.53 54 83	-0.42 51 90	-1.19 80	-0.87 15 90	0.10 21 104	-1.90 45 92	5.96 50 92	-1.82 29 107	93	2					
1584 23 0132 98835325	970 21 0037 1584 22 0023	3.93	97	110	-1.64 51 81	0.50 38 113	-0.32 95	-1.67 12 85	0.80 15 107	-0.65 38 99	3.54 39 95	0.40 23 101		1					
1637 23 0151 112629506	970 19 0098 1637 19 0004	6.58	99	108	-0.91 33 90	0.49 29 113	0.04 101	-1.18 12 88	0.20 10 104	-0.30 26 101	1.22 42 98	1.20 27 99		1					
1637 23 0182 99845943	430 20 0147 1637 21 0129	5.56	113	116	0.34 22 104	0.38 18 110	0.55 110	1.21 15 104	1.30 6 110	1.50 17 111	-0.88 36 101	-4.32 22 114		2					
1637 23 0289 100910694	970 19 0098 1637 22 0096	5.29	100	107	-0.52 34 94	0.44 30 112	0.18 103	-0.79 12 91	-0.10 11 103	-0.14 27 102	1.25 39 98	0.98 26 99		0					
1637 24 0022 109431007	762 20 0652 970 23 0037	2.75	97	95	-0.01 43 100	-0.27 34 94	-0.28 96	1.41 24 105	-1.40 19 97	-1.13 34 96	1.45 39 98	-0.01 27 102		1					
1584 24 0023 100121557	430 21 0129 1584 20 0100	2.51	106	112	-0.19 46 98	0.37 33 110	0.28 105	0.38 21 98	-0.60 10 101	-0.18 33 102	-10.94 38 114	-0.85 24 104		2					
762 24 0647 107588865	762 21 0467 762 21 0308	13.67	98	96	0.39 64 104	0.22 52 106	0.42 108	0.50 21 99	-1.50 25 96	-0.29 50 101	5.18 51 93	3.42 33 93		1					
1865 25 0019 111463824	970 23 0012 970 22 0087	4.09	107	111	-0.53 27 94	0.12 21 104	-0.15 98	-0.06 14 95	1.20 6 109	0.31 20 104	-11.42 33 114	1.70 20 97		0					
970 25 0059 108814351	1637 23 0200 970 17 0022	3.81	99	105	-0.81 24 91	-0.27 20 94	-0.68 89	-0.26 13 94	0.40 11 105	-0.84 19 98	1.36 31 98	-5.10 19 116		0					
970 25 0114 110347788	970 24 0009 1637 22 0157	3.00	103	104	-0.29 20 97	-0.15 16 97	-0.30 95	0.07 12 96	0.90 6 108	0.10 15 103	-4.48 25 106	1.36 16 98		0					
2205 26 0003 114395155	762 24 0306 762 24 0647	9.15	90	95	-0.50 45 94	0.25 33 107	0.00 100	-0.44 13 93	-3.00 16 89	-2.05 34 91	4.54 33 94	1.46 20 98		0					
2205 26 0007 114391238	1584 24 0010 1637 24 0022	10.88	107	104	0.59 35 106	-0.06 25 99	0.24 104	1.85 16 108	-0.40 11 102	0.29 26 104	-5.30 29 107	0.00 18 102		0					

Ewes

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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

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

Animal Information					Selection Indices		EBV - Weights						EBV - Fertility							
Animal Comp no.				% In- breeding	Logix Merit Index	Repro- duction Index	Wean Weight		Post-Wean		Number Weaned	TWW		AFL		ILP		EPI	Times Lambded	
							Dir	Mat	Comb											
							EBV Acc	EBV Index	EBV Acc	EBV Index	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	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
2205 26 0008 114390636	1584 24 0010 970 21 0090	5.44	109	108	0.36 35 104	0.22 28 106	0.40 107	0.96 12 102	0.80 8 107	1.06 26 109	-9.36 32 112	4.29 21 90	0							
2205 26 0009 114391212	1584 24 0010 970 21 0090	5.44	109	108	0.36 35 104	0.22 28 106	0.40 107	0.96 12 102	0.80 8 107	1.06 26 109	-9.36 32 112	4.29 21 90	0							
2205 26 0011 114390651	1584 24 0010 1584 23 0032	4.19	103	104	-0.17 39 98	-0.13 31 97	-0.22 97	0.71 13 100	0.40 12 105	-0.06 30 102	-3.05 33 104	-0.90 19 104	0							
2205 26 0014 114391204	1584 24 0010 1637 23 0182	4.60	115	114	0.77 30 108	0.27 21 108	0.65 112	1.75 13 107	1.00 6 108	1.64 21 112	-6.47 28 108	-2.15 16 108	0							
2205 26 0015 114395122	116 23 0126 1584 24 0023	4.71	104	100	0.53 43 106	-0.08 25 99	0.18 103	1.21 13 104	-0.90 9 99	-0.10 28 102	-9.63 30 112	3.59 18 92	0							
2205 26 0017 114391220	970 21 0037 1584 22 0158	4.11	93	102	-1.51 53 83	0.23 41 107	-0.52 91	-1.48 12 86	0.40 16 105	-1.04 40 97	10.49 40 86	-0.13 24 102	0							
	Ewe flock average: Total ewes in flock: 21				101	104	-0.36	0.09	-0.09	0.13	0.10	-0.21	-1.43	0.66						

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			Mat		Comb							
									Dir	Mat								Comb
									EBV Acc Index	EBV Acc Index	EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc 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	
1	970 19 0098 85931004	4.14	HOK 15 0035 970 15 0096			6	1	96	105	-0.96 64 89	0.88 55 123	0.40 107	-1.51 22 86	-0.70 20 100	-0.51 50 100	3.64 70 95	5.97 47 85	98 5
2	970 20 0005 86611068	2.84	970 18 0010 970 14 0077	101	3	43	1	86	101	-3.58 92 64	-0.53 80 88	-2.32 64	-2.88 27 77	1.50 38 111	-3.21 75 84	-0.14 79 100	-1.56 53 106	5
3	430 20 0147 90635806	1.89	430 19 0008 116 15 0168					118	116	0.96 37 111	0.42 30 111	0.90 116	2.42 26 112	1.70 10 111	2.41 28 117	0.66 56 99	-3.66 34 112	4
4	762 20 0652 90186487	7.74	762 19 0064 762 18 0126	4	3	3	1	85	74	0.54 73 106	-0.92 60 78	-0.65 89	2.63 42 113	-4.00 36 85	-2.78 59 86	14.39 65 82	-0.48 46 103	99 5
5	970 21 0037 91433565	6.07	970 19 0098 970 18 0070	81	2	13	2	98	112	-1.22 89 86	1.08 62 128	0.47 108	-1.75 21 84	-0.10 23 103	-0.20 63 101	8.49 63 89	1.87 35 97	3
6	430 21 0129 93088292	26.81	430 19 0152 430 15 0025	30	2	7	3	121	127	0.48 81 105	0.95 56 125	1.19 121	1.47 40 105	0.30 15 105	1.61 56 112	-29.11 68 136	2.41 41 95	5
7	762 21 0467 93656387	7.30	762 19 1002 762 17 0284	150	2	38	1	96	96	-0.23 95 97	0.36 82 110	0.25 105	-0.59 34 92	-0.90 42 99	-0.41 78 100	1.20 85 98	9.26 55 76	72 3
8	970 23 0012 96380613	2.01	430 21 0129 970 17 0033					114	115	0.04 45 100	0.26 33 107	0.29 105	0.97 21 102	1.50 10 111	1.21 32 110	-18.95 54 124	4.20 27 90	7
9	116 23 0126 99956641	2.84	762 20 0799 116 20 0066	23	1			102	89	1.24 74 114	-0.54 37 87	0.08 102	2.04 13 109	-1.10 15 98	0.04 46 103	-8.32 45 110	8.03 27 80	4
10	1637 23 0200 97081467	4.01	762 20 0652 1637 22 0064					94	90	0.19 38 102	-0.54 32 87	-0.45 93	1.30 22 104	-1.70 19 95	-1.38 31 95	7.29 37 91	-2.42 26 109	2
11	970 24 0009 99781981	5.18	970 22 0142 970 22 0091					101	101	-0.60 33 93	-0.29 24 94	-0.59 90	0.02 21 96	1.00 7 108	-0.29 24 101	-8.17 39 110	4.90 21 88	4
12	1584 24 0010 100365303	2.23	430 21 0129 1584 20 0068	4	1			117	112	1.20 56 113	0.16 37 105	0.76 113	2.29 21 111	0.70 10 107	1.77 38 113	-12.06 42 115	0.02 25 102	95 4
13	762 24 0306 107573958	6.36	762 22 1427 762 20 0597	7	1			82	94	-1.39 62 84	0.28 42 108	-0.41 93	-1.38 17 87	-4.50 20 82	-3.81 45 81	3.90 41 95	-0.49 24 103	91 5

		Sire Flock Average: Number of sires used in the flock: 13	101	102	-0.26	0.12	-0.01	0.39	-0.48	-0.43	-2.86	2.16
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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
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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 Weaned	Herds	Progeny Number Weaned			Herds	Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index			EBV Acc Index	Acc Index	EBV Acc Index	Acc Index	EBV Acc Index		EPI	Times Lamb
			Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15					
1	1584 24 0010 100365303	2.23	430 21 0129 584 20 0068	4	1	117	112	1.20 56	0.16 113	0.76 113	2.29 21	107	0.70 10	1.77 38	-12.06 42	0.02 115	0.02 25	95	4		
2	2205 26 0013 114390693	4.60	584 24 0010 637 23 0182			115	114	0.77 30	0.27 108	0.65 112	1.75 13	107	1.00 6	1.64 21	-6.47 28	-2.15 108	-2.15 16	2			
3	2205 26 0004 114390685	3.26	584 24 0010 584 23 0132			107	111	-0.22 38	0.33 26	0.22 109	0.31 12	98	0.80 9	0.59 27	-4.26 106	0.21 105	0.21 17	1			
4	2205 26 0006 114390677	10.88	584 24 0010 637 24 0022			107	104	0.59 35	-0.06 25	0.24 99	1.85 16	108	-0.40 11	0.29 26	-5.30 104	0.00 107	0.00 18	1			
5	2205 26 0019 114391253	5.52	637 23 0200 637 23 0151			97	99	-0.36 25	-0.03 96	-0.21 100	0.06 12	96	-0.80 11	-0.87 20	4.25 98	-0.61 94	-0.61 19	1			
6	2205 26 0018 114390644	5.52	637 23 0200 637 23 0151			97	99	-0.36 25	-0.03 96	-0.21 100	0.06 12	96	-0.80 11	-0.87 20	4.25 98	-0.61 94	-0.61 19	1			
7	2205 26 0016 114390669	4.11	970 21 0037 584 22 0158			93	102	-1.51 53	0.23 83	-0.52 107	-1.48 12	86	0.40 16	-1.04 40	10.49 86	-0.13 24	-0.13 102	94	3		
8	2205 26 0001 114395114	9.15	762 24 0306 762 24 0647			90	95	-0.50 45	0.25 94	0.00 107	-0.44 13	93	-3.00 16	-2.05 34	4.54 91	1.46 33	1.46 94	1			

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

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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 EBV Acc Index	Mat EBV Acc Index	Comb EBV Acc Index	EBV Acc Index							EBV Acc Index
Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1	2205 26 0014 114391204	4.60	1584 24 0010 1637 23 0182	115	114	0.77 30	0.27 21	0.65 112	1.75 13	1.00 6	1.64 21	-6.47 28	-2.15 16		0
2	1637 23 0182 99845943	5.56	430 20 0147 1637 21 0129	113	116	0.34 22	0.38 18	0.55 110	1.21 15	1.30 6	1.50 17	-0.88 36	-4.32 22		2
3	2205 26 0008 114390636	5.44	1584 24 0010 970 21 0090	109	108	0.36 35	0.22 28	0.40 106	0.96 12	0.80 8	1.06 26	-9.36 32	4.29 21		0
4	2205 26 0009 114391212	5.44	1584 24 0010 970 21 0090	109	108	0.36 35	0.22 28	0.40 106	0.96 12	0.80 8	1.06 26	-9.36 32	4.29 21		0
5	2205 26 0007 114391238	10.88	1584 24 0010 1637 24 0022	107	104	0.59 35	-0.06 25	0.24 104	1.85 16	-0.40 11	0.29 26	-5.30 29	0.00 18		0
6	1865 25 0019 111463824	4.09	970 23 0012 970 22 0087	107	111	-0.53 27	0.12 21	-0.15 98	-0.06 14	1.20 6	0.31 20	-11.42 33	1.70 20		0
7	1584 24 0023 100121557	2.51	430 21 0129 1584 20 0100	106	112	-0.19 46	0.37 33	0.28 110	0.38 21	-0.60 10	-0.18 33	-10.94 38	-0.85 24		2
8	2205 26 0015 114395122	4.71	116 23 0126 1584 24 0023	104	100	0.53 43	-0.08 25	0.18 103	1.21 13	-0.90 9	-0.10 28	-9.63 30	3.59 18		0
9	2205 26 0011 114390651	4.19	1584 24 0010 1584 23 0032	103	104	-0.17 39	-0.13 31	-0.22 97	0.71 13	0.40 12	-0.06 30	-3.05 33	-0.90 19		0
10	970 25 0114 110347788	3.00	970 24 0009 1637 22 0157	103	104	-0.29 20	-0.15 16	-0.30 95	0.07 12	0.90 6	0.10 15	-4.48 25	1.36 16		0
11	970 21 0090 92692656	2.83	970 19 0098 970 17 0005	102	103	-0.48 42	0.29 42	0.05 108	-0.37 12	0.80 12	0.29 35	-6.66 50	8.57 33	96	3
12	1637 23 0289 100910694	5.29	970 19 0098 1637 22 0096	100	107	-0.52 34	0.44 30	0.18 112	-0.79 12	-0.10 11	-0.14 27	1.25 39	0.98 26		0
13	1637 23 0151 112629506	6.58	970 19 0098 1637 19 0004	99	108	-0.91 33	0.49 29	0.04 113	-1.18 12	0.20 10	-0.30 26	1.22 42	1.20 27		1
14	970 25 0059 108814351	3.81	1637 23 0200 970 17 0022	99	105	-0.81 24	-0.27 20	-0.68 89	-0.26 13	0.40 11	-0.84 19	1.36 31	-5.10 19		0
15	762 24 0647 107588865	13.67	762 21 0467 762 21 0308	98	96	0.39 64	0.22 52	0.42 106	0.50 21	-1.50 25	-0.29 50	5.18 51	3.42 33		1

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

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Above breed average
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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			EBV Index	Acc	EBV Index	Acc	EBV Index	Acc		
					Acc	EBV Index	Acc	EBV Index	Comb	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15				
16	1584 23 0132 98835325	3.93	970 21 0037 1584 22 0023	97	110	-1.64 51	0.50 81	-0.32 38	-1.67 12	85	0.80 15	-0.65 38	3.54 39	0.40 23	101	1		
17	1637 24 0022 109431007	2.75	762 20 0652 970 23 0037	97	95	-0.01 43	-0.27 100	-0.28 34	1.41 24	105	-1.40 19	-1.13 34	1.45 39	-0.01 27	102	1		
18	2205 26 0017 114391220	4.11	970 21 0037 1584 22 0158	93	102	-1.51 53	0.23 83	-0.52 41	-1.48 12	86	0.40 16	-1.04 40	10.49 40	-0.13 24	102	0		
19	1584 23 0032 96833363	2.69	970 20 0005 1584 21 0053	90	97	-1.53 54	-0.42 83	-1.19 51	-0.87 15	90	0.10 21	-1.90 45	5.96 50	-1.82 29	107	93	2	
20	2205 26 0003 114395155	9.15	762 24 0306 762 24 0647	90	95	-0.50 45	0.25 94	0.00 33	-0.44 13	93	-3.00 16	-2.05 34	4.54 33	1.46 20	98	0		
21	1584 22 0158 95643987	2.52	970 20 0005 1584 17 0071	88	93	-1.80 59	-0.62 80	-1.51 74	-1.20 14	88	0.90 24	-1.87 49	12.48 49	-2.13 33	108	94	3	