



BOERBOK GENETIC REPORT

21 September 2026

MR B.G. BERNARDINO DE GOUVEIA

FDM : 2221



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 :

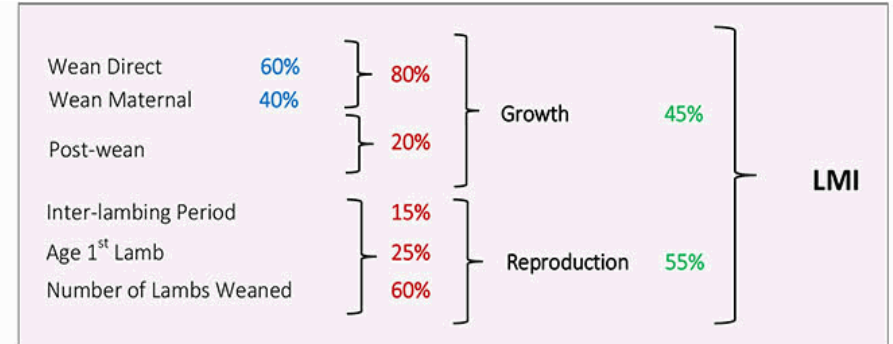
Logix Merit Index (LMI)

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	0.04	0.07	0.02	-0.06	-0.01	-0.09
Weaning Weight Maternal	0.01	0.10	-0.02	-0.02	-0.03	-0.02
Weaning Weight Combined	0.03	0.13	0.00	-0.06	-0.03	-0.07
Post-wean Weight	0.67	0.79	0.64	0.50	0.58	0.45
Number Lambs Weaned	-0.19	-0.10	-0.22	-0.36	-0.55	-0.26
Total Weight Weaned	-0.07	0.11	-0.12	-0.31	-0.37	-0.27
Age at First Lambing	-1.02	-3.30	-0.33	-0.30	-0.22	-0.35
Inter-lambing Period	-0.26	0.28	-0.43	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	103	104	102	101	100	101
Reproduction Index	103	105	103	102	101	102
Inbreeding						
Inbreeding (%)	3.01	3.08	2.99	5.54	5.93	5.34
Number of Animals						
Number of Animals	33	7	26	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	100.1	100.4	100.0
Weaning Weight Maternal	101.1	103.3	100.4
Weaning Weight Comb	100.8	102.6	100.2
Post-wean Weight	100.0	100.8	99.8
Number Lambs Weaned	102.5	102.9	102.4
Total Weight Weaned	102.1	103.1	101.8
Age First Lambing	101.1	104.0	100.2
Interlambing Period	102.6	101.1	103.0
Selection Indices			
Logix Merit Index	102.6	104.2	102.1
Ewe Index	103.3	105.2	102.7
Growth Index	100.2	101.2	99.9
Inbreeding			
Inbreeding (%)	3.01	3.08	2.99
Number of Animals			
Number of Animals	33	7	26

** 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

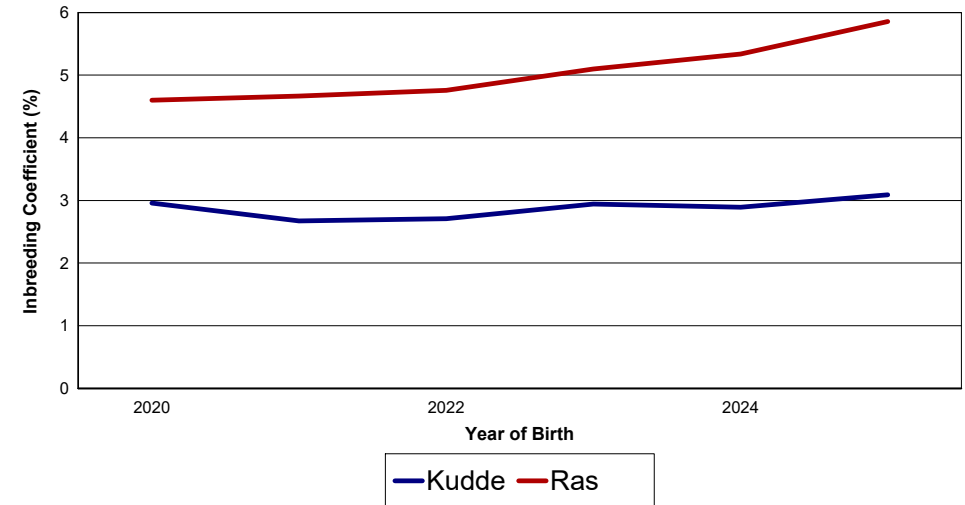
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2020 - 2025	3.09	0.03
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

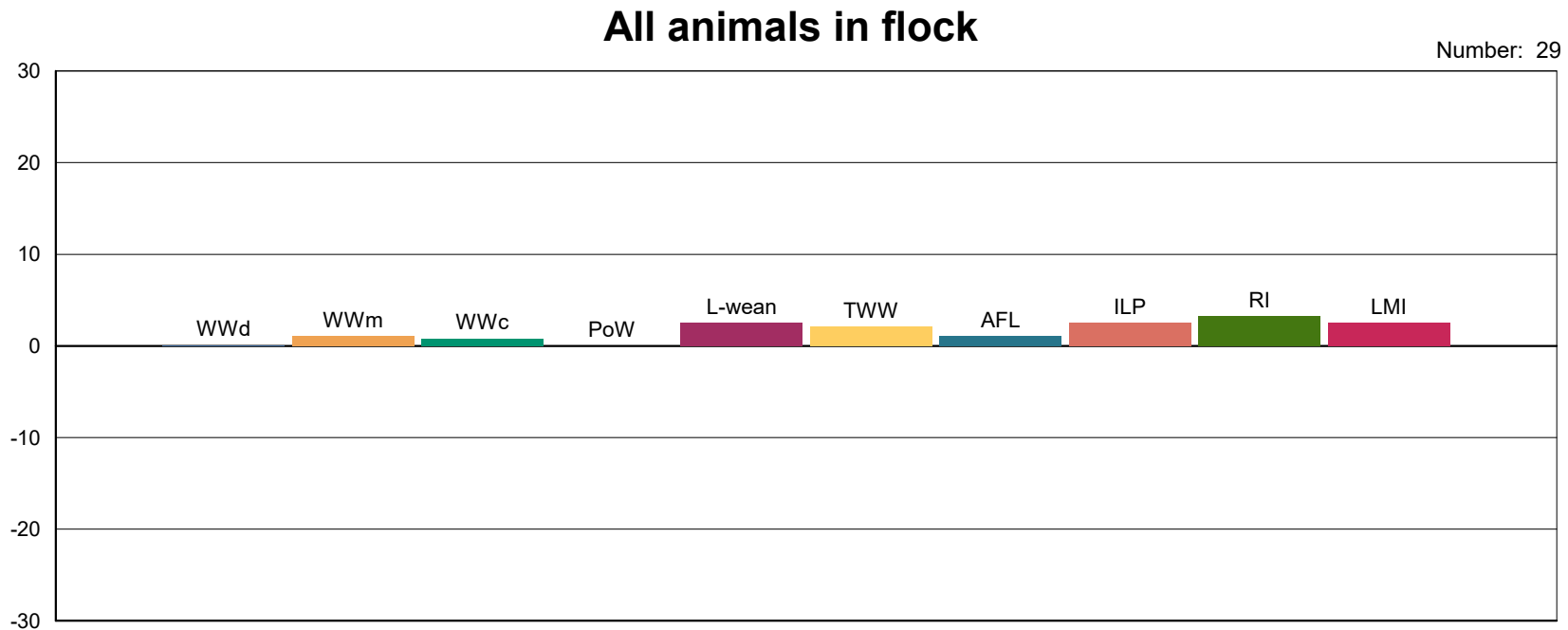


Pedigree Information

	Number	%
Known Sires	29	88
Known Dams	29	88

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

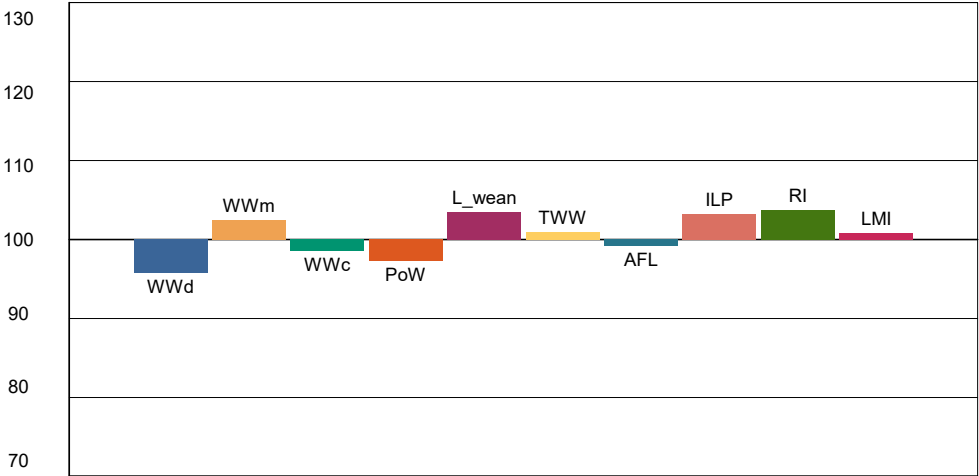
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger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

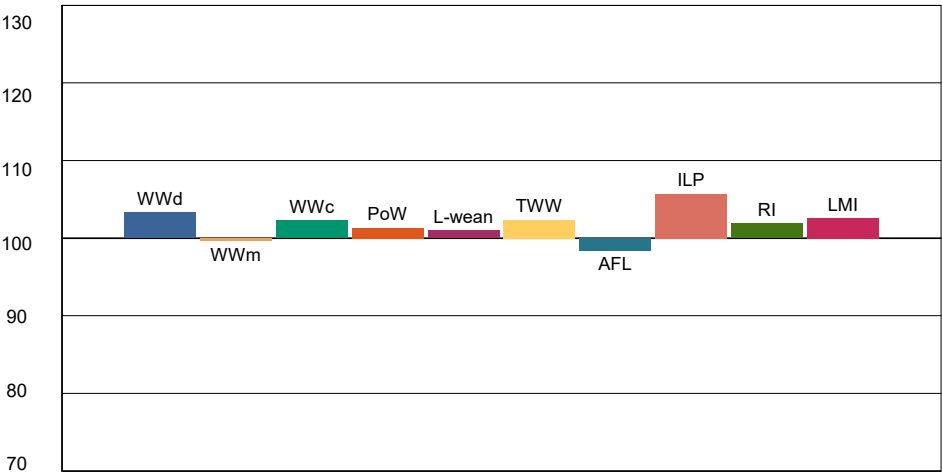
Dams

Number: 13



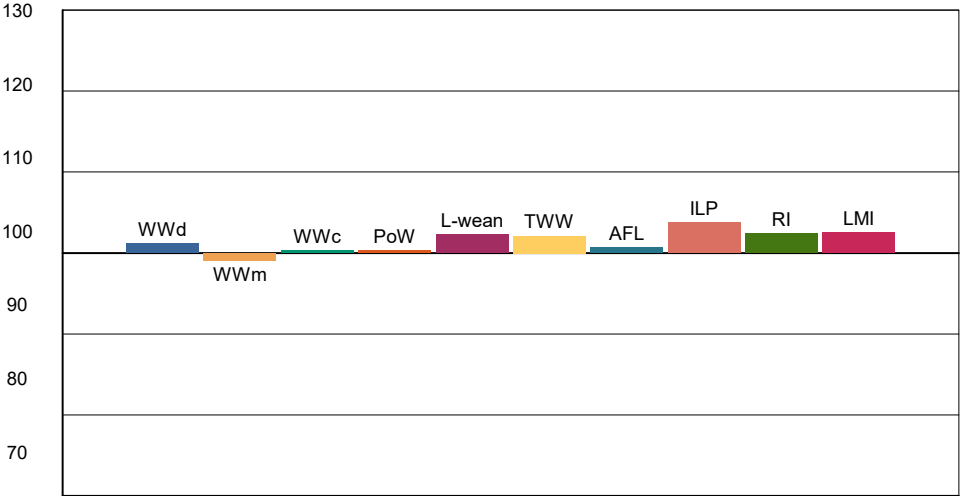
Sires

Number: 11



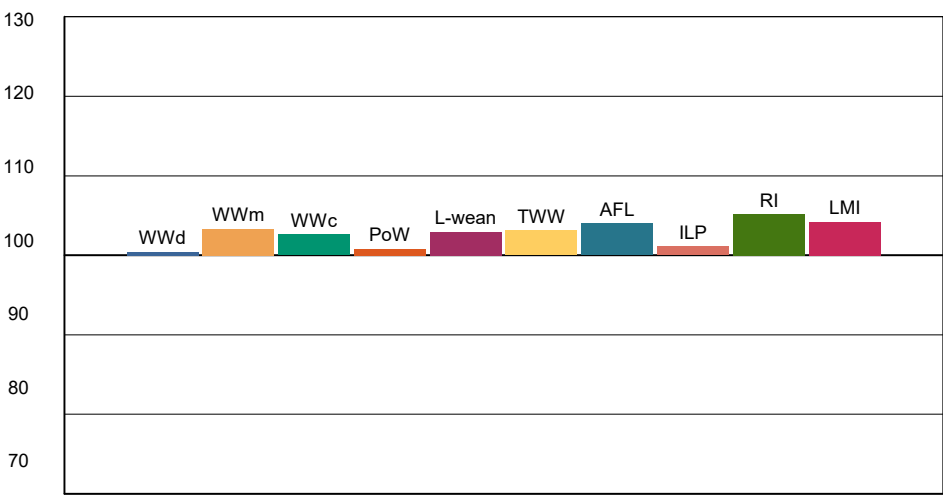
Young Ewes

Number: 14



Young Rams

Number: 7



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	Dir		Wean Weight		Post-Wean		Number Weaned	TWW		AFL		ILP		Dam	
Comp no.									Acc	EBV Index	Acc	EBV Index	Comb	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	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								
1413	23	0265	959	18	0089	2.34	100	105	-0.55	0.38	0.11	0.60	-0.90	-0.71	-8.35	4.95						7	
	99197592		1413	13	0009				43	94	33	110	102	22	100	14	99	32	98	44	110	28	88
2221	25	0001	970	24	0088	2.87	109	112	-0.09	0.19	0.14	0.49	1.40	0.93	-3.29	-1.53						3	
	110389921		1413	20	0991				15	99	12	105	103	8	99	5	110	11	108	22	104	14	106
2221	25	0002	970	24	0088	2.87	109	112	-0.09	0.19	0.14	0.49	1.40	0.93	-3.29	-1.53						3	
	110389939		1413	20	0991				15	99	12	105	103	8	99	5	110	11	108	22	104	14	106
2221	25	0012	430	23	0043	2.74	106	107	0.17	-0.01	0.08	0.46	0.70	0.58	-2.36	-1.33						1	
	110390283		1413	23	0017				18	102	15	101	102	10	99	10	107	15	106	19	103	14	106
2221	25	0014	430	23	0043	3.36	103	100	0.48	0.03	0.27	1.38	-1.10	-0.15	-6.22	3.59						1	
	110390416		1413	23	0289				28	105	23	102	105	15	105	13	98	23	102	31	108	20	92
2221	25	0016	762	23	0737	3.98	100	99	0.27	-0.20	-0.07	0.93	-1.10	-0.59	0.88	-2.27						1	
	110390432		1413	24	0051				24	103	20	96	99	11	102	11	98	19	99	26	99	16	108
2221	25	0020	430	23	0043	3.43	102	102	0.29	0.12	0.26	1.17	-1.10	-0.25	-0.49	0.08						1	
	110390606		1413	23	0294				29	103	23	104	105	15	103	13	98	23	101	32	100	20	102
Ram Flock Average:						104	105	0.07	0.10	0.13	0.79	-0.10	0.11	-3.30	0.28								
Number of rams in the flock: 7																							

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		Times EPI Lamberd	
							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	EBV Acc Index	EBV Acc Index	Phenotype	
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15					
1413 20 0145 93079911	776 17 0045 1413 14 0079	3.24		102	99	0.04 48 100	-0.67 42 84	-0.65 89	0.59 21 100	1.70 19 111	0.39 39 105	8.94 55 88	-4.74 34 115		2				
1413 21 0100 94304912	1590 16 0020 1413 17 0037	2.54		104	110	-0.06 41 99	0.25 36 107	0.22 104	-0.73 32 91	0.40 21 105	0.43 34 105	7.82 41 90	-6.22 29 119		1				
1413 21 0132 94338217	1298 19 0040 1413 18 0303	2.80		107	108	0.30 23 103	0.11 20 104	0.26 105	0.93 15 102	0.80 8 107	0.88 18 108	3.60 42 95	-3.29 27 111		3				
1413 23 0017 99415754	1028 17 0526 1413 16 0601	2.61		104	109	-0.67 5 92	0.08 5 103	-0.26 96	-0.49 5 92	1.60 5 111		-2.92 8 104	0.01 6 102		1				
1413 23 0289 99197915	959 18 0089 1413 21 0043	2.96		97	95	-0.04 44 99	0.14 35 104	0.12 102	1.35 22 105	-2.00 16 94	-1.10 34 96	-10.64 50 113	9.85 29 75		1				
1413 23 0294 99198012	959 18 0089 1413 20 0021	3.41		96	99	-0.43 46 95	0.33 36 109	0.11 102	0.93 22 102	-2.10 18 94	-1.36 36 95	0.81 53 99	2.83 30 94		1				
1413 23 0296 99198053	959 18 0089 1413 20 0021	3.41		97	100	-0.43 46 95	0.33 36 109	0.11 102	0.93 22 102	-2.10 18 94	-1.36 36 95	-7.51 53 109	5.57 30 87		1				
1413 24 0051 107416828	1413 21 0079 1413 15 0028	2.89		103	106	-0.08 16 99	0.04 13 102	0.00 100	0.45 8 99	0.20 6 104	0.08 13 103	3.44 28 95	-3.70 16 112		1				
2221 25 0003 110389954	762 23 0737 1413 22 0393	2.71		101	101	-0.03 23 99	-0.18 19 96	-0.20 97	0.46 11 99	-0.30 11 102	-0.39 19 100	-1.03 22 101	-0.89 14 104		0				
2221 25 0004 110389962	762 23 0737 1413 22 0393	2.71		101	101	-0.03 23 99	-0.18 19 96	-0.20 97	0.46 11 99	-0.30 11 102	-0.39 19 100	-1.03 22 101	-0.89 14 104		0				
2221 25 0005 110389970	762 23 0512 1413 21 0132	3.23		100	100	0.15 31 101	0.00 27 101	0.07 102	0.48 12 99	-0.80 14 100	-0.34 26 101	2.27 33 97	-0.31 21 103		0				
2221 25 0006 110390101	970 24 0088 1413 20 0145	2.00		108	107	0.26 28 103	-0.19 24 96	-0.06 99	1.03 13 102	1.40 11 110	0.91 23 108	1.48 35 98	-3.46 22 111		0				
2221 25 0007 110390119	970 24 0088 1413 20 0145	2.00		108	107	0.26 28 103	-0.19 24 96	-0.06 99	1.03 13 102	1.40 11 110	0.91 23 108	1.48 35 98	-3.46 22 111		0				
2221 25 0008 110390127	1413 23 0043 1413 20 0886	2.87		101	103	-0.38 12 95	-0.14 10 97	-0.33 95	-0.01 8 96	0.50 6 106	-0.22 10 101	-1.68 19 102	0.56 10 100		0				
2221 25 0009 110390135	1413 23 0043 1413 20 0886	2.87		101	103	-0.38 12 95	-0.14 10 97	-0.33 95	-0.01 8 96	0.50 6 106	-0.22 10 101	-1.68 19 102	0.56 10 100		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		Times EPI Lambded	
							Dir	Mat		Comb	EBV Weaned	EBV TWW	EBV AFL	EBV ILP	Phenotype				
							Acc	Index	Acc	Index	Acc	Index	Acc	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					
2221 25 0010 110390267	430 23 0043 1413 23 0296	3.43	103	102	0.29 29 103	0.12 23 104	0.26 105	1.17 15 103	-1.10 13 98	-0.25 23 101	-4.66 32 106	1.45 20 98	0						
2221 25 0011 110390275	430 23 0043 1413 23 0017	2.74	106	107	0.17 18 102	-0.01 15 101	0.08 102	0.46 10 99	0.70 10 107	0.58 15 106	-2.36 19 103	-1.33 14 106	0						
2221 25 0013 110390424	430 23 0043 1413 23 0289	3.36	103	100	0.48 28 105	0.03 23 102	0.27 105	1.38 15 105	-1.10 13 98	-0.15 23 102	-6.22 31 108	3.59 20 92	0						
2221 25 0015 110390440	762 23 0737 1413 24 0051	3.98	100	99	0.27 24 103	-0.20 20 96	-0.07 99	0.93 11 102	-1.10 11 98	-0.59 19 99	0.88 26 99	-2.27 16 108	0						
2221 25 0017 110390457	762 23 0737 1413 21 0100	3.79	100	101	0.28 31 103	-0.10 26 98	0.04 101	0.34 19 98	-1.00 15 99	-0.42 25 100	3.07 30 96	-3.53 20 112	0						
2221 25 0018 110390465	430 23 0043 1413 23 0294	3.43	102	102	0.29 29 103	0.12 23 104	0.26 105	1.17 15 103	-1.10 13 98	-0.25 23 101	-0.49 32 100	0.08 20 102	0						
2221 25 0019 110390598	430 23 0043 1413 23 0294	3.43	102	102	0.29 29 103	0.12 23 104	0.26 105	1.17 15 103	-1.10 13 98	-0.25 23 101	-0.49 32 100	0.08 20 102	0						
	Ewe flock average: Total ewes in flock: 22				102	103	0.02	-0.02	0.00	0.64	-0.22	-0.12	-0.33	-0.43					

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		
			Progeny 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	
1	1590 16 0020 77249266	5.17	762 12 0290 762 13 0150	21	3	12	2	103	110	0.56 81 106	0.42 72 111	0.70 112	-0.96 65 89	-0.90 43 99	0.44 69 105	16.51 81 79	-11.08 57 132	5	
2	776 17 0045 80429251	3.16	776 15 0303 776 MW0053	15	2	13	2	102	101	-0.42 84 95	-0.70 73 83	-0.91 85	0.18 39 97	2.20 32 114	0.20 68 104	5.40 83 93	-4.43 57 114	7	
3	1028 17 0526 94827920	2.89	1028 15 0976 1028 15 0499					105	110	-0.67 5 92	0.08 5 103	-0.26 96	-0.49 5 92	1.60 5 111		-6.21 13 108	1.24 10 99	2	
4	959 18 0089 82393075	3.21	959 16 0108 1370 15 0004	27	1	8	2	98	93	0.31 81 103	0.28 62 108	0.43 108	2.30 40 111	-2.90 25 90	-1.16 61 96	-12.64 77 116	11.97 51 69	9	
5	1298 19 0040 91952952	2.03	16 4 60 DL 1298 16 0140					110	105	1.27 46 114	0.14 40 104	0.77 114	2.36 30 111	-0.10 17 103	1.34 37 110	9.06 60 88	-4.30 44 114	3	
6	1413 21 0079 95590865	2.96	1298 19 0040 1413 20 0036			1	1	102	102	0.51 31 105	0.01 26 101	0.26 105	1.38 16 105	-1.20 13 98	-0.21 25 101	11.09 53 86	-7.71 31 123	1	
7	430 23 0043 107480550	2.75	1590 21 0030 430 20 0033					108	105	1.01 36 111	-0.09 31 99	0.41 107	1.41 19 105	-0.20 20 102	0.80 30 107	-1.80 37 102	-2.67 28 109	3	
8	1413 23 0043 98522089	2.59	1695 21 0130 1413 21 0158					98	96	-0.09 24 99	-0.35 21 92	-0.40 94	0.46 16 99	-0.60 11 101	-0.80 20 98	-2.97 38 104	2.07 21 96	1	
9	762 23 0512 100498062	10.25	762 21 0467 762 20 0370					93	92	-0.01 58 100	-0.11 50 98	-0.11 98	0.03 19 96	-2.40 26 92	-1.56 48 94	0.94 51 99	2.67 32 95	90 5	
10	762 23 0737 98687742	9.18	762 21 1050 762 19 0889					97	93	0.62 46 107	-0.45 38 90	-0.13 98	1.42 21 105	-2.30 22 93	-1.20 37 96	-1.67 44 102	-0.84 27 104	88 6	
11	970 24 0088 106605611	3.75	430 21 0209 970 20 0040					114	115	0.49 30 105	0.29 24 108	0.54 110	1.47 16 105	1.20 9 109	1.50 23 111	-5.99 41 107	-2.18 28 108	3	
			Sire Flock Average: Number of sires used in the flock: 11						103	102	0.32	-0.04	0.12	0.87	-0.51	-0.03	1.07	-1.39	

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	EBV Acc Index	EBV Index	EBV Acc Index	EBV 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	2221 25 0002 110389939	2.87	970 24 0088 413 20 0991		109	112	-0.09 15	0.19 12	0.14 103	0.49 8	1.40 5	0.93 11	-3.29 22	-1.53 14	3	
2	2221 25 0001 110389921	2.87	970 24 0088 413 20 0991		109	112	-0.09 15	0.19 12	0.14 103	0.49 8	1.40 5	0.93 11	-3.29 22	-1.53 14	3	
3	2221 25 0012 110390283	2.74	430 23 0043 413 23 0017		106	107	0.17 18	-0.01 15	0.08 102	0.46 10	0.70 10	0.58 15	-2.36 19	-1.33 14	1	
4	2221 25 0014 110390416	3.36	430 23 0043 413 23 0289		103	100	0.48 28	0.03 23	0.27 105	1.38 15	-1.10 13	-0.15 23	-6.22 31	3.59 20	1	
5	2221 25 0020 110390606	3.43	430 23 0043 413 23 0294		102	102	0.29 29	0.12 23	0.26 105	1.17 15	-1.10 13	-0.25 23	-0.49 32	0.08 20	1	
6	1413 23 0265 99197592	2.34	959 18 0089 413 13 0009		100	105	-0.55 43	0.38 33	0.11 102	0.60 22	-0.90 14	-0.71 32	-8.35 44	4.95 28	7	
7	2221 25 0016 110390432	3.98	762 23 0737 413 24 0051		100	99	0.27 24	-0.20 20	-0.07 99	0.93 11	-1.10 11	-0.59 19	0.88 26	-2.27 16	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

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	Repro- duction Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	EPI	Times Lambd	
					Dir EBV Acc Index	Mat EBV Acc Index	Comb 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		
1	2221 25 0006 110390101	2.00	970 24 0088 1413 20 0145	108	107	0.26 28 103	-0.19 24 96	-0.06 99	1.03 13 102	1.40 11 110	0.91 23 108	1.48 35 98	-3.46 22 111	0	
2	2221 25 0007 110390119	2.00	970 24 0088 1413 20 0145	108	107	0.26 28 103	-0.19 24 96	-0.06 99	1.03 13 102	1.40 11 110	0.91 23 108	1.48 35 98	-3.46 22 111	0	
3	1413 21 0132 94338217	2.80	1298 19 0040 1413 18 0303	107	108	0.30 23 103	0.11 20 104	0.26 105	0.93 15 102	0.80 8 107	0.88 18 108	3.60 42 95	-3.29 27 111	3	
4	2221 25 0011 110390275	2.74	430 23 0043 1413 23 0017	106	107	0.17 18 102	-0.01 15 101	0.08 102	0.46 10 99	0.70 10 107	0.58 15 106	-2.36 19 103	-1.33 14 106	0	
5	1413 23 0017 99415754	2.61	1028 17 0526 1413 16 0601	104	109	-0.67 5 92	0.08 5 103	-0.26 96	-0.49 5 92	1.60 5 111		-2.92 8 104	0.01 6 102	1	
6	1413 21 0100 94304912	2.54	1590 16 0020 1413 17 0037	104	110	-0.06 41 99	0.25 36 107	0.22 104	-0.73 32 91	0.40 21 105	0.43 34 105	7.82 41 90	-6.22 29 119	1	
7	1413 24 0051 107416828	2.89	1413 21 0079 1413 15 0028	103	106	-0.08 16 99	0.04 13 102	0.00 100	0.45 8 99	0.20 6 104	0.08 13 103	3.44 28 95	-3.70 16 112	1	
8	2221 25 0013 110390424	3.36	430 23 0043 1413 23 0289	103	100	0.48 28 105	0.03 23 102	0.27 105	1.38 15 105	-1.10 13 98	-0.15 23 102	-6.22 31 108	3.59 20 92	0	
9	2221 25 0010 110390267	3.43	430 23 0043 1413 23 0296	103	102	0.29 29 103	0.12 23 104	0.26 105	1.17 15 103	-1.10 13 98	-0.25 23 101	-4.66 32 106	1.45 20 98	0	
10	1413 20 0145 93079911	3.24	776 17 0045 1413 14 0079	102	99	0.04 48 100	-0.67 42 84	-0.65 89	0.59 21 100	1.70 19 111	0.39 39 105	8.94 55 88	-4.74 34 115	2	
11	2221 25 0018 110390465	3.43	430 23 0043 1413 23 0294	102	102	0.29 29 103	0.12 23 104	0.26 105	1.17 15 103	-1.10 13 98	-0.25 23 101	-0.49 32 100	0.08 20 102	0	
12	2221 25 0019 110390598	3.43	430 23 0043 1413 23 0294	102	102	0.29 29 103	0.12 23 104	0.26 105	1.17 15 103	-1.10 13 98	-0.25 23 101	-0.49 32 100	0.08 20 102	0	
13	2221 25 0008 110390127	2.87	1413 23 0043 1413 20 0886	101	103	-0.38 12 95	-0.14 10 97	-0.33 95	-0.01 8 96	0.50 6 106	-0.22 10 101	-1.68 19 102	0.56 10 100	0	
14	2221 25 0009 110390135	2.87	1413 23 0043 1413 20 0886	101	103	-0.38 12 95	-0.14 10 97	-0.33 95	-0.01 8 96	0.50 6 106	-0.22 10 101	-1.68 19 102	0.56 10 100	0	
15	2221 25 0004 110389962	2.71	762 23 0737 1413 22 0393	101	101	-0.03 23 99	-0.18 19 96	-0.20 97	0.46 11 99	-0.30 11 102	-0.39 19 100	-1.03 22 101	-0.89 14 104	0	

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	Repro- duction Index	Weaning Weight		Comb	Post-Wean	Number Weaned	TWW	AFL	ILP	EPI	Times Lambled
					Dir	Mat								
Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
16	2221 25 0003 110389954	2.71	762 23 0737 1413 22 0393	101	101	-0.03 23 99	-0.18 19 96	-0.20 97	0.46 11 99	-0.30 11 102	-0.39 19 100	-1.03 22 101	-0.89 14 104	0
17	2221 25 0017 110390457	3.79	762 23 0737 1413 21 0100	100	101	0.28 31 103	-0.10 26 98	0.04 101	0.34 19 98	-1.00 15 99	-0.42 25 100	3.07 30 96	-3.53 20 112	0
18	2221 25 0015 110390440	3.98	762 23 0737 1413 24 0051	100	99	0.27 24 103	-0.20 20 96	-0.07 99	0.93 11 102	-1.10 11 98	-0.59 19 99	0.88 26 99	-2.27 16 108	0
19	2221 25 0005 110389970	3.23	762 23 0512 1413 21 0132	100	100	0.15 31 101	0.00 27 101	0.07 102	0.48 12 99	-0.80 14 100	-0.34 26 101	2.27 33 97	-0.31 21 103	0
20	1413 23 0289 99197915	2.96	959 18 0089 1413 21 0043	97	95	-0.04 44 99	0.14 35 104	0.12 102	1.35 22 105	-2.00 16 94	-1.10 34 96	-10.64 50 113	9.85 29 75	1
21	1413 23 0296 99198053	3.41	959 18 0089 1413 20 0021	97	100	-0.43 46 95	0.33 36 109	0.11 102	0.93 22 102	-2.10 18 94	-1.36 36 95	-7.51 53 109	5.57 30 87	1
22	1413 23 0294 99198012	3.41	959 18 0089 1413 20 0021	96	99	-0.43 46 95	0.33 36 109	0.11 102	0.93 22 102	-2.10 18 94	-1.36 36 95	0.81 53 99	2.83 30 94	1