



MERINO GENETIC FUTURE KEY REPORT

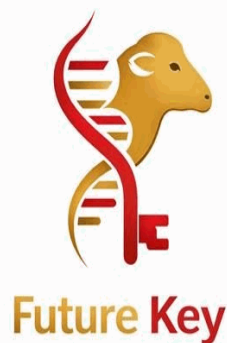
20 September 2026

MR J.F. JOHN MILLER

FDM : 2157



CERTIFICATE
OF QUALITY
Valid up to
October 2029



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



The SA Merino Genomically Enhanced Future Values

What is a Genomic Breed Evaluation?

The SA Merino Breed Evaluation includes **genomic information (SNPs)** together with pedigree and performance records to estimate future values. These are called **Genomically Enhanced Future Values**. The SA Merino is the first small stock breed in Africa to use this technology. Animals that have been genomically tested through the SA Stud Book Genomic Selection Service are identified by the genomic logo in this report.

Why is genomically testing of animals important? It provides extra information about an animal's genetic potential. For **young animals**, this means their future values can be estimated **more accurately**, even before they have produced many progeny. This is especially valuable for traits that are difficult to measure or take a long time to evaluate, such as:

- Fertility
- Maternal Ability
- Longevity

This allows breeders to identify genetically superior animals at an earlier age and make better breeding decisions.



Parentage Verification

Genomic testing can also confirm whether an animal's sire and dam are correctly recorded.

The test compares around **20 000 DNA markers**, making it extremely accurate. The report shows the verification result for:

- ☐ Parent was not genomically tested. Parentage is not verified.
- ☒ Both animal and parent have genomic tests, and the parentage is verified.
- ☒ The genomic test indicates that there is a conflict in the parentage, *i.e.* the parentage is not correct.

Why can a parentage conflict occur? There are usually two possible reasons:

1. The wrong parent was recorded If another possible parent has also been tested, the genomic evaluation may identify the correct sire or dam.

If the breeder can confirm that the suggested parent was available at mating, the pedigree should be corrected through the Breed Society on LOGIX.

2. The wrong DNA sample was submitted Occasionally the incorrect biological sample is collected or labelled. Because DNA testing is very accurate, the animal should be sampled and tested again if this is suspected.

Why is correct parentage so important? Accurate pedigrees lead to more accurate future values. Correct parentage benefits your breeding programme, the SA Merino breed and the SA Merino Genomic Evaluation. For older animals with many recorded offspring, correcting parentage may have little effect on their future values. For young animals, however, correct parentage can make a significant difference because much of their future value is based on information from their parents.

Understanding Your DNA Results Every animal receives one copy of each gene from its sire and one from its dam. Sometimes both copies are the same and sometimes they are different. Some genes are **dominant**, meaning one version masks the other. For example, an animal that carries both the **polled** and **horned** genes will usually be **polled**, because the polled gene is dominant. Most economically important traits, however, are controlled by **many genes working together** to express the trait, rather than by a single gene.

Percentage Homozygosity Measures how similar the DNA inherited from the sire and dam is. It is calculated as the percentage of DNA markers (SNPs) that are the same from both parents. This gives an indication of the animal's **genetic diversity**. In general:

- Lower homozygosity indicates **greater genetic diversity**.
- Higher homozygosity indicates the animal is **more genetically alike across its DNA**, which may be associated with increased inbreeding.

Important Information

SA Stud Book/LOGIX distances itself from any errors which are beyond its control and cannot be held liable for any such errors. SA Stud Book/LOGIX only publishes the information at its disposal and assumes that sampling on the farm, handling of the samples and the actions in the laboratory were performed correctly.

Use www.sasmallstock.com, SA Stud Book's search engine, to view genetic profiles of specific animals or to search animals according to specifications.

General Information

How to use this Report: This report shows the **genetic strengths and weaknesses** of your flock for production and reproduction traits. It helps you see whether your breeding decisions are improving your flock over time and whether you are breeding in the right direction.

Future Key : This shows where your flock ranks genetically within the SA Merino breed on a scale of **1 to 9**, using information from the South African Merino Genomic Evaluation. In general, **the higher the Future Key, the higher the genetic potential of your flock.**

Future Value : This indicates an animal's genetic ability for a specific trait. In simple terms, it predicts what the animal is likely to pass on to its offspring.

Future Values are compared with the average of animals born about **five years ago** (the base year), where the average of the base year is set to **zero**.

For most traits, **higher Future Values are better**, including:

- Weaning Weight (Direct and Maternal)
- Body Weight (where the production environment can support larger animals)
- Clean Fleece Weight
- Staple Length
- Total Weight Weaned

For a few traits, **lower values are preferred**:

- **Fibre Diameter:** Lower values indicate finer wool.
- **Age at First Lambing:** Lower values mean ewes lamb at a younger age.
- **Inter-lambing Period:** Lower values mean ewes lamb more frequently.

Future Value Index : These **Indices** makes it easy to compare animals. The breed average is always **100**:

- **Above 100** means the animal is genetically better than the breed average.
- For **Fibre Diameter**, the opposite applies: **Below 100** indicates finer wool, which is more desirable.

Future Selection Indices : These **Selection Indices** combine several important traits into a single value, making it easier to identify the best all-round breeding

animals. Because not all traits contribute equally to profitability, each trait is given an economic weighting according to its importance in a profitable Merino production system. These indices therefore provide a quick indication of the **overall genetic value** of an animal and help breeders select sheep that are expected to produce more profitable offspring.

For the SA Merino breed two future selection indices are developed:

Relative Economic Value (REV)

$$\text{EKW} = -3416.81 + 4.320 \text{ EBVBW} + 112.61 \text{ EBVCFW} + 1.10 \text{ EBVSL} - 406.52 \text{ EBVFD} + 8.9857 (19.5 + \text{EBVFD})^2 + 9.405 \text{ EBVTWW}$$

Relative Reproduction Economic Value (REV-Rep)

$$\text{EKW-REP} = -3402.52 + 0.21 \text{ EBVBW} + 112.87 \text{ EBVCFW} + 1.10 \text{ EBVSL} - 404.82 \text{ EBVFD} + 8.9481(19.5 + \text{EBVFD})^2 + 18.81 \text{ EBVTWW}$$

Abbreviations

WnD:	Wean Direct	WnMat:	Wean Maternal
BW:	Body Weight	CFW :	Clean Fleece Weight
FD:	Fibre Diameter	SL:	Staple Length
WOOL:	Fleece Score	CONF:	Conformation Score
COND:	Condition Score		
AFL:	Age First Lambing		
ILP:	Inter-lambing Period		
NLW:	Number of Lambs Weaned		
TWW:	Total Weight Weaned		
REV_R:	Reproduction Selection Index (Main SA Merino Selection Index)		
REV:	Relative Economic Value		

The active population is defined as lambs born in the past 36 months and their parents, regardless if they were measured or not, excluding those that are already cancelled on LOGIX.

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.

SINGLE GENE TRAITS

DGAT1

A gene that increases butterfat production and butterfat- and protein percentages, while decreasing milk- and protein production.

FABP4

A gene that increases butterfat production, as well as increases fat thickness and related carcass traits.

Horned or Polled Status

The Relaxin Family Peptide Receptor 2 (RXFP2) gene located on Chromosome 10 is a good indicator for polled or horned status. There is evidence of sex-dependant differences of both additive and dominant effects in the expression of this trait. Currently prediction accuracy lies at about 70% due to other unknown genetic forces. These markers are in the process of being validated in the SA Merino breed.

The gene for polledness, is dominant :

- PP: The animal breeds pure for polled. This means that the animal received a polled gene from both its parents and can only transmit the polled gene to its offspring.
- PH: The animal is polled, but carries the horn gene, because the polled gene (P) is dominant over the horn gene (H). It can transmit either a polled or horned gene to its offspring.
- HH: The animal breeds pure for horns. It can only transmit horn genes to its offspring.
- The exact inheritance of 'Scurs' is still unknown.

Booroola Gene (FecB)

This mutation is located on Chromosome 6, in a gene that codes for bone morphogenic protein 1B (BMP1B). This mutation has an additive effect, meaning that a heterozygous carrier has on average +0.7 larger litter size, with homozygous carriers have a +0.8 larger litter size in comparison to the homozygous wild type animals. Although this mutation leads

to higher litter sizes, it has been shown to negatively affect lamb survival and lowers the birth weight of the lambs born.

Lacuane Locus (FecL)

This recessive mutation is located on chromosome 11. Only animals homozygous for the mutation show an increase in ovulation rates.

Double-Muscling (Myostatin Gene)

Myostatin plays an inhibitory role in muscle-development. It controls the rate at which muscle fibres grow and allows for normal deposition of fat tissue. Wild-type animals exhibit normal growth and have standard carcass characteristics. Carriers of the myostatin will have excessive muscle growth which will change the conformation of the animal's body, results in higher carcass 'compactness', increases muscle depth and results in lower fat tissue levels. Decreased fat levels have a negative effect on reproduction as double-muscled animals may not have enough reserves to breed or wean heavy lambs.

Callipyge Gene

This is similar to the myostatin gene but the effects on the animal are localised to only the pelvic limbs and loin. The result is postnatal (after birth) hypertrophy of muscles that results in 35% higher muscle mass of the buttocks. It negatively affects muscles tenderness and results in a poor eating quality meat. The appearance of this mutation only occurs if the animal inherits the mutation from the father and gets the wild type from the mother. Homozygotic carriers will appear normal.

Yellow Fat Carcass (Beta-Carotene)

This is a simple recessive trait that results in the fat of the carcass to be yellow in colour. This is due to the accumulation of carotenoids, sourced from the diet, in the fatty tissue.

Scrapie (*Transmissible Spongiform Encephalopathy*)

This is a fatal, degenerative disease that affects the nervous systems of sheep. Affected animals will show changes in behaviour such as increased nervousness which can be seen as excitable/nervous/aggressive moods. Progressive changes will include body tremors, stumbling and increased inability to stand. Animals will also have irritated skin which they try to scratch using fence posts, their horns, through nibbling or with a hind foot that results in excessive wool loss and/or damage to the skin. All this results in substantial weight loss and eventual death. Wild type animals have the lowest susceptibility (highest resistance). Heterozygous and homozygous animals of the mutant variants have lower resistance and are more prone to developing scrapie.

Batten Disease (*Ovine veroid lipofuscinosis*)

An unwanted, lethal recessive gene where affected lambs suffer from brain atrophy, retinal degradation and experience muscle tremors. Symptoms appear at 9 – 12 months of age and death often occurs at about 24 months of age.

Lentivirus Resistance

A retrovirus causing a progressive wasting disease. Especially the lungs, joints, udder and animal's nervous system are targeted. No treatment or vaccine are currently available. A mutation on the TMEM154 gene has been identified to confer resistance to Lentivirus. Animals with the EE wild-type variant are the most susceptible. Carriers of the K-mutation have low to no Lentivirus infections.

McArdle's Syndrome

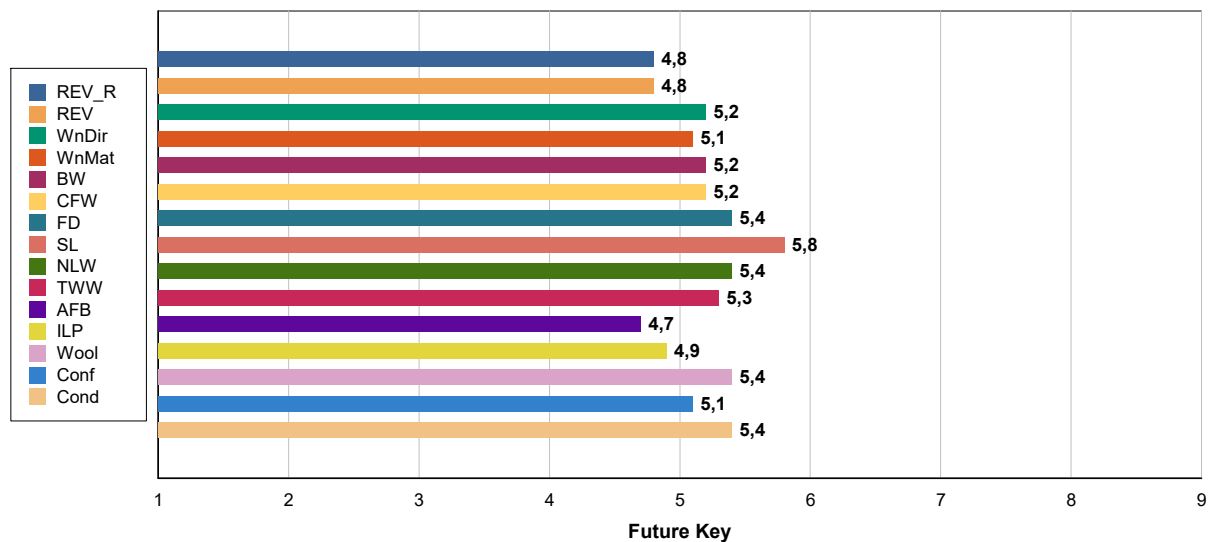
A lethal, recessive gene that results in lambs being unable to metabolize glycogen due to the absence of a functional myophosphorylase gene. Visible symptoms include low muscle tone (hypotonia), muscle cramps weakness, and progressive respiratory failure. Urine will appear brownish-red after periods of activity. Symptoms will become more evident as the lamb grows.

Future Key Profile

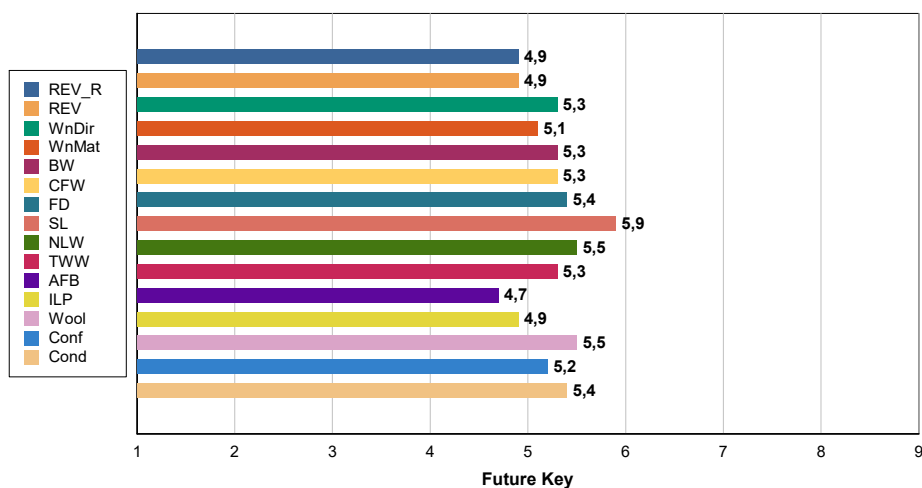
Future Key	Future Key Index
1	< 58
2	58 - 69
3	70 - 81
4	82 - 93
5	94 - 105
6	106 - 117
7	118 - 129
8	130 - 141
9	> 141

All Active Animals

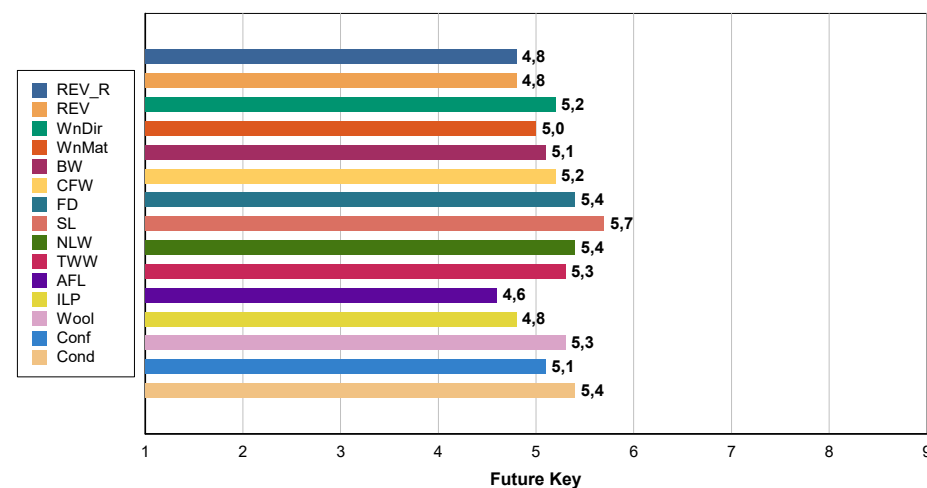
Number : 2174



All Active Rams



All Active Ewes



Genetic Windows

Average Future Indices

(Lambs born in the last 24 months and their Parents)

Number : 2174

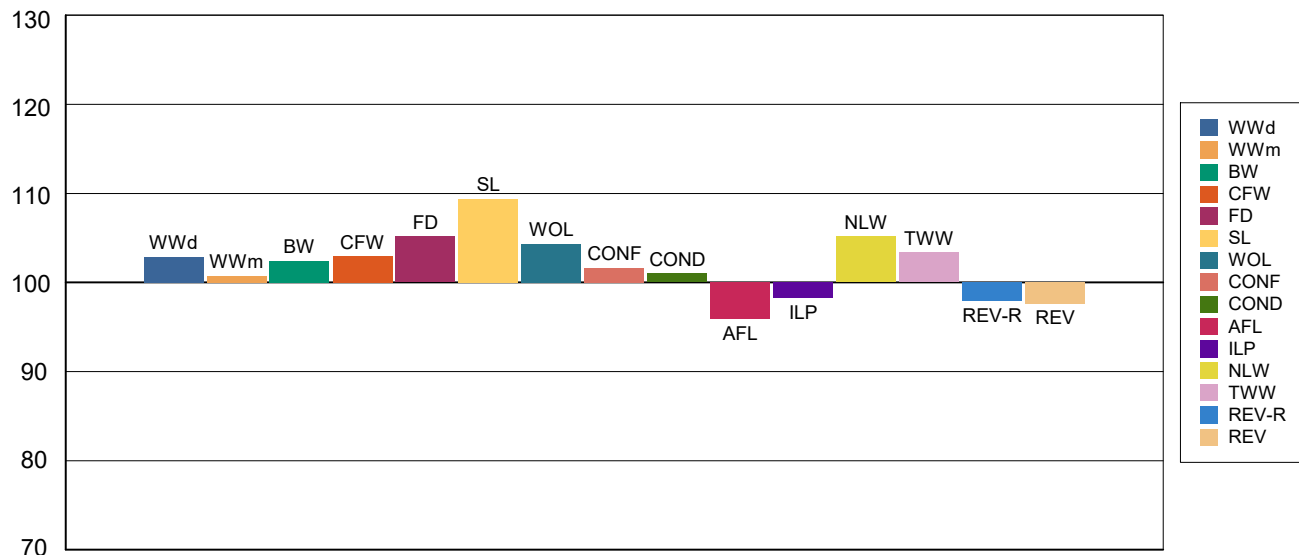
Genetic Linkage

(Based on the youngest measured generation)

Level	Nr of Link Rams
Swak / Weak	2

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

Try to use at least 5 link rams in a 5 year period to obtain strong genetic linkage within the breed.



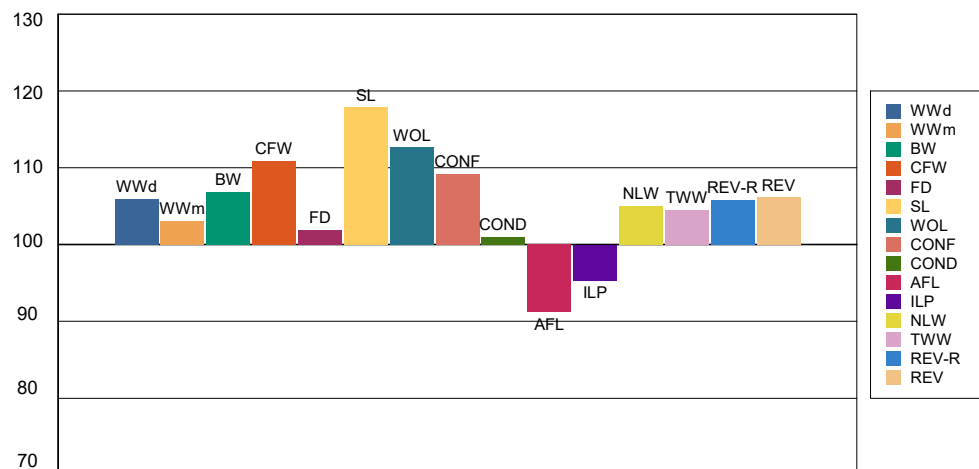
Abbrev	Trait	Interpretation of Index	
		<100 (Worse)	>100 (Better)
WWD	Weang Weight Direct	Lower	Higher
WWM	Wean Maternal	Less	More
BW	Bodyweight	Lower	Higher
CFW	Clean Fleece Weight	Lighter	Heavier
FD	Fibre Diameter	Finer	Stronger
SL	Staple Length	Shorter	Longer
WOL	Wool Score	Lower	Higher
CONF	Conformation Score	Lower	Higher
COND	Condition Score	Worse	Better
AFL	Age 1st Lambing	Later	Earlier
ILP	Interlambing Period	Longer	Shorter
NLW	Number of Lambs Weaned	Less	More
TWW	Total Weight Weaned	Lighter	Heavier
REV_R	Reproduction REV	Poorer	Better
REV	Economic Value	Poorer	Better

- ❖ 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 Future Indices and Future Selection Indices** of all the lambs born in the past 24 months and their parents in the flock and the breed.
- ❖ An Index of 100 is equal to the average of the lambs born in the past 24 months and their parents in the breed.
- ❖ The future indices for AFL and ILP are presented in such a way that an index of above 100 indicates animals that have lower (better) EBVs for these traits.
- ❖ Please use the table for interpretation of the breeding values and selection indices.

Genetic Windows

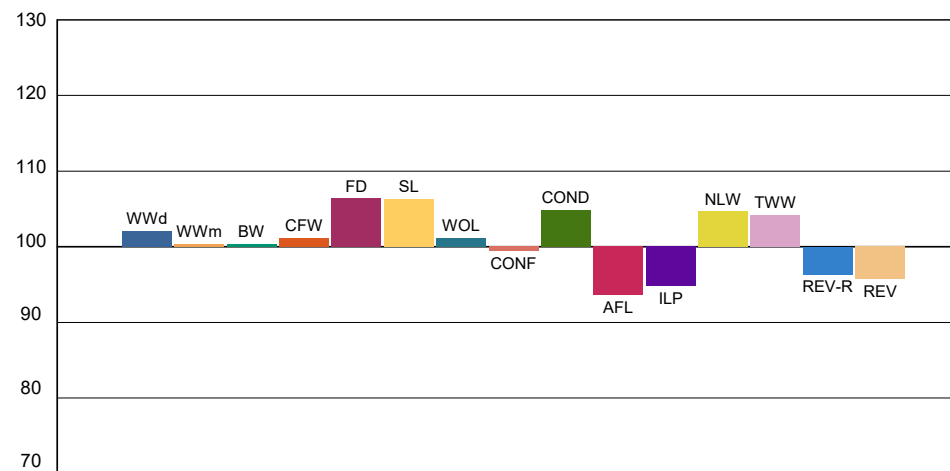
Sires of Lambs born in the last 24 Months

Number : 35



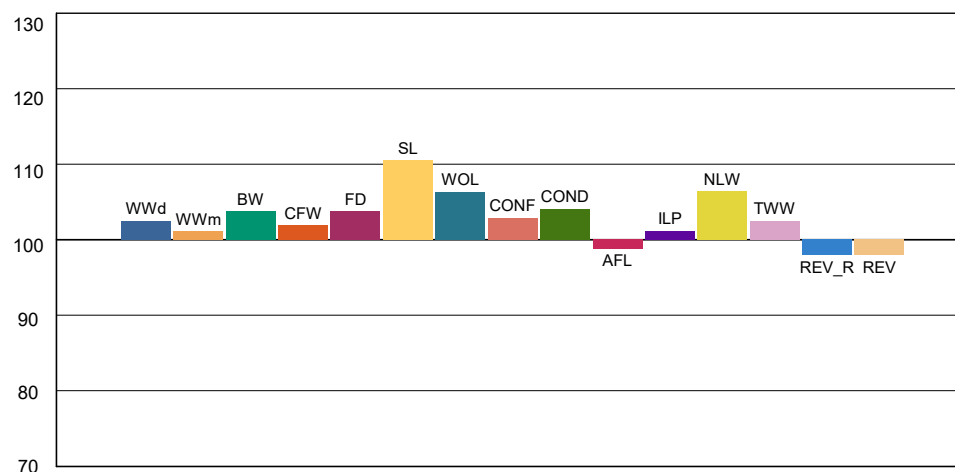
Dams of Progeny born in last 24 Months

Number : 708



Lambs born in the last 24 Months

Number : 944



Average Values

Average Future Values

Averages of all lambs born in the past 24 months and their parents

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Future Values for Production Traits						
Weaning Weight Direct	0.69	0.75	0.65	0.44	0.47	0.42
Weaning Weight Mat	0.09	0.10	0.09	0.07	0.08	0.07
Body Weight	1.02	1.18	0.92	0.70	0.99	0.60
Clean Fleece Weight	0.15	0.18	0.14	0.08	0.12	0.07
Fibre Diameter	0.26	0.23	0.27	-0.15	-0.18	-0.14
Staple Length	4.37	4.87	4.07	1.14	1.46	1.01
Wool	0.17	0.20	0.15	0.10	0.14	0.09
Conformation	0.19	0.22	0.17	0.17	0.24	0.14
Condition	0.18	0.18	0.18	0.12	0.15	0.10
Future Values for Fertility						
Age at First Lambing	1.93	1.44	2.24	-1.56	-1.76	-1.45
Inter-lambing Period	0.18	-0.11	0.38	-0.33	-0.47	-0.26
Number Lambs Weaned	1.21	1.29	1.16	0.14	0.22	0.10
Total Weight Weaned	0.45	0.43	0.47	0.21	0.22	0.20
Future Selection Indices						
REV	20.7	25.0	18.2	32.3	40.1	29.4
REV-Reproduction	20.9	24.3	18.9	31.6	38.7	28.9
Inbreeding						
Inbreeding (%)	2.01	2.03	2.01	2.40	2.42	2.38
Number of Animals						
Number of Animals	2283	807	1476	96526	35355	61171

Average Future Indices

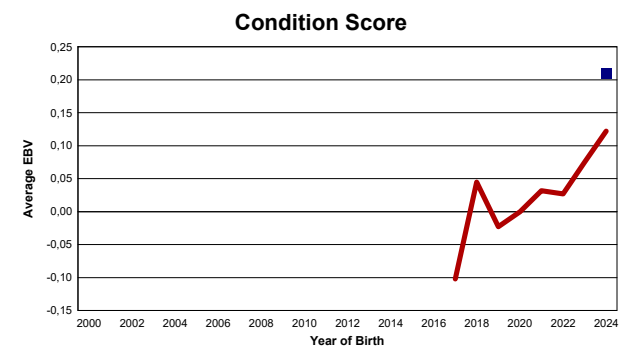
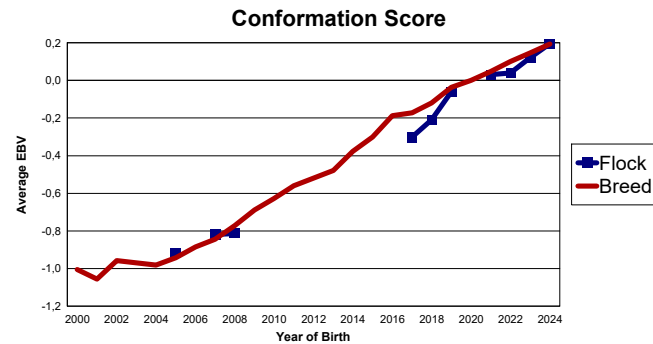
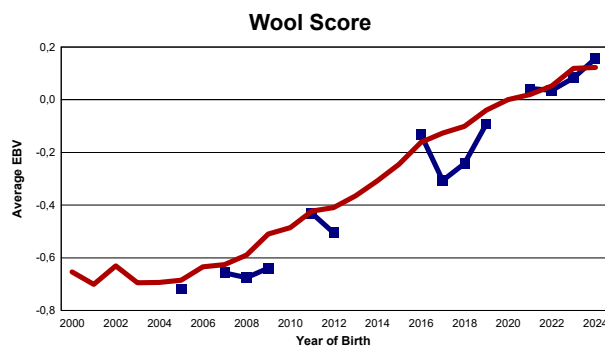
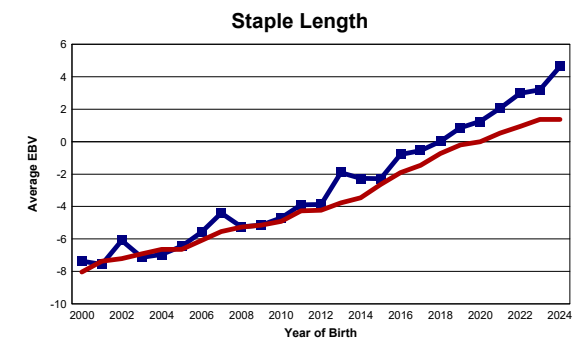
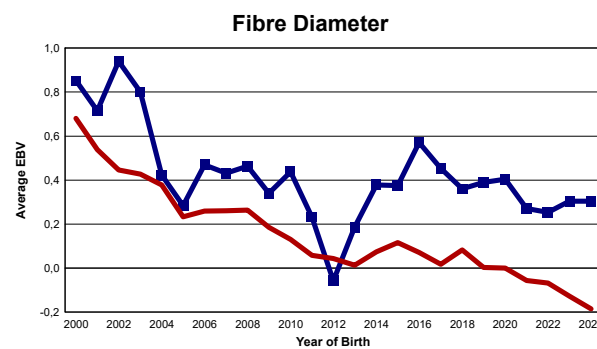
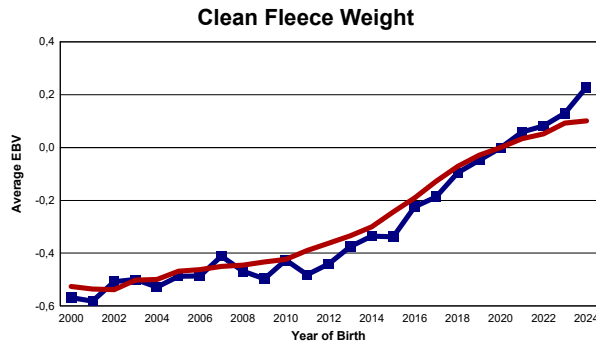
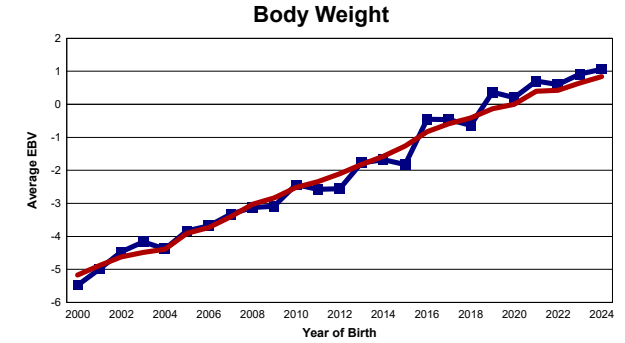
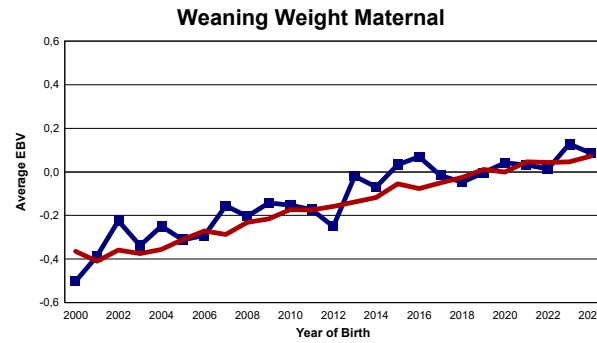
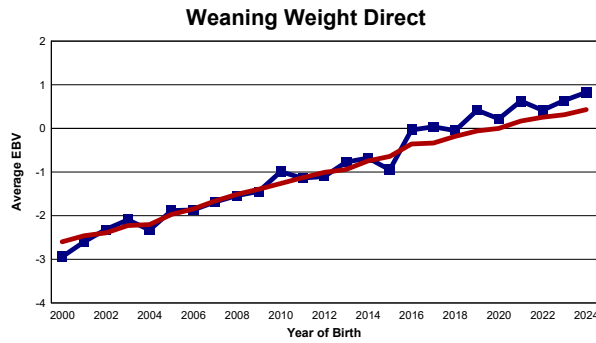
Average Future Indices of all active measured animals, where breed average of active measured animals = 100.

FK = Future Fey

Trait	Flock					
	All	FK	Rams	FK	Ewes	FK
Future Indices for Production Traits						
Weaning Weight Direct	102.9	5.2	103.6	5.3	102.4	5.2
Wean Weight Mat	100.7	5.1	101.0	5.1	100.5	5.0
Body Weight	102.4	5.2	103.6	5.3	101.7	5.1
Clean Fleece Weight	102.9	5.2	104.0	5.3	102.3	5.2
Fibre Diameter	105.2	5.4	104.9	5.4	105.4	5.4
Staple Length	109.4	5.8	110.8	5.9	108.6	5.7
Wool	104.3	5.4	105.8	5.5	103.4	5.3
Conformation	101.6	5.1	102.9	5.2	100.9	5.1
Condition	104.4	5.4	104.4	5.4	104.4	5.4
Future Indices for Fertility						
Age at First Breeding	95.9	4.7	96.5	4.7	95.6	4.6
Inter-lambing Period	98.2	4.9	99.2	4.9	97.6	4.8
Number Lambs Weaned	105.2	5.4	105.6	5.5	104.9	5.4
Total Weight Weaned	103.4	5.3	103.1	5.3	103.5	5.3
Future Selection Indices						
REV	97.6	4.8	98.5	4.9	97.1	4.8
REV-Reproduction	97.9	4.8	98.6	4.9	97.5	4.8
Inbreeding						
Inbreeding (%)	2.01		2.03		2.01	
Number of Animals						
Number of Animals	2283		807		1476	

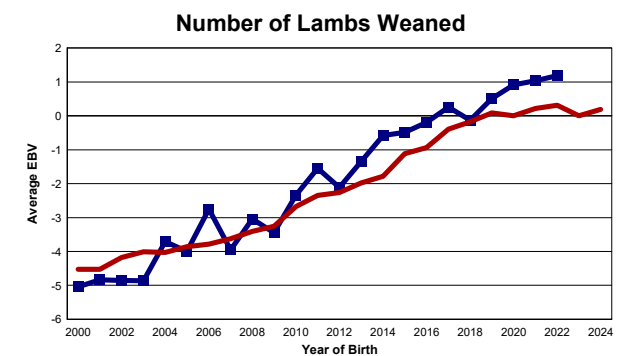
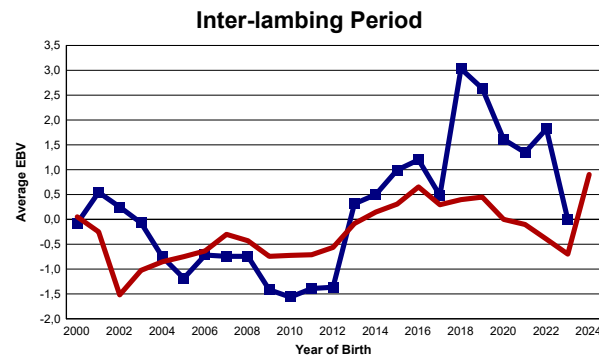
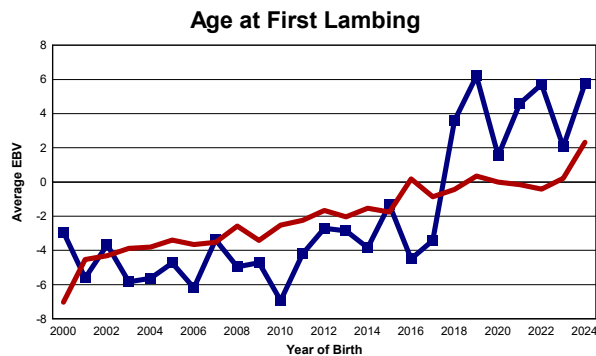
Genetic Trends : Production Traits

Average Future Values per year of birth for animals in the breed and flock. Genetic trends are based on measured animals that were bred by the specific breeder.

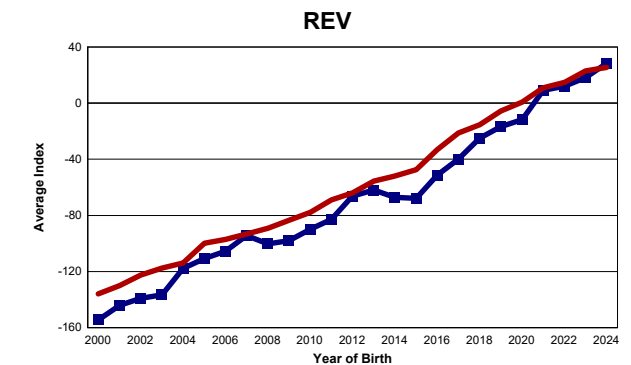
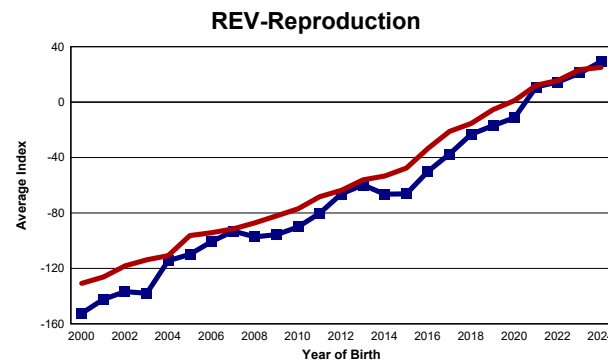
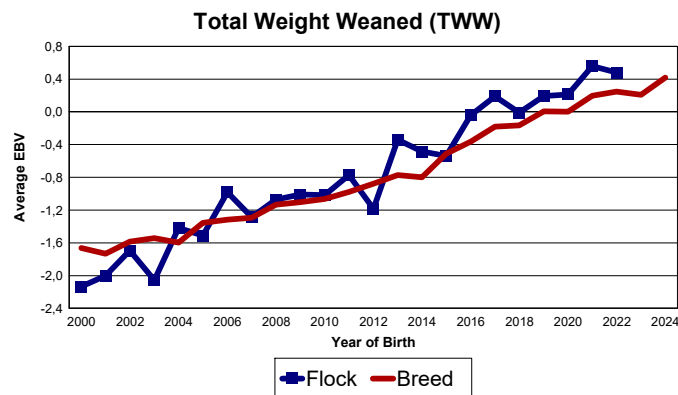


Genetic Trends: Fertility Traits and Selection Indices

Average breeding values per year of birth for animals in the breed and flock. Genetic trends are based on measured animals that were bred by the specific breeder.



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



Genetic Trends: Breed and Flock

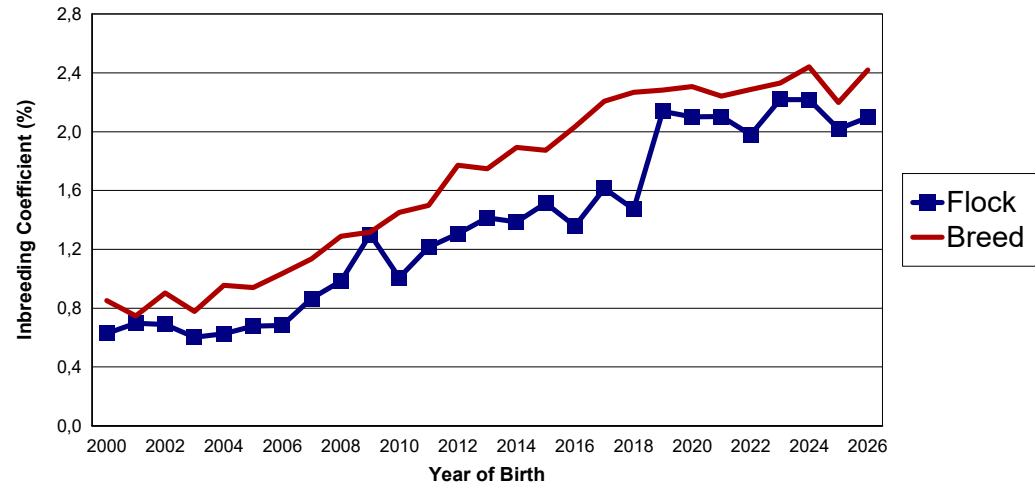
Average Future Values per year of birth for animals in the breed and flock. Genetic trends are based on measured animals that were bred by the specific breeder.

Genetic Trends of the Breed																													
Birth Year	Weaning Weight			Body Weight		CFW		FD		SL		WOOL		CONF		COND		AFL		ILP		NLW		TWW		REV-Rep		REV	
	Number	Dir	Mat	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV
2014	24421	-0.75	-0.12	15627	-1.57	15246	-0.30	15395	0.07	15207	-3.46	11119	-0.31	11118	-0.38			4468	-1.53	3008	0.15	7865	-1.78	5536	-0.80	24421	-53.30	24421	-51.99
2015	24387	-0.65	-0.05	14841	-1.27	14618	-0.24	14669	0.12	14649	-2.64	10445	-0.25	10442	-0.30			4582	-1.76	3055	0.31	8096	-1.11	5290	-0.51	24387	-47.55	24387	-47.33
2016	25099	-0.36	-0.08	15344	-0.83	15193	-0.19	15232	0.07	15225	-1.92	10808	-0.16	10801	-0.19			4170	0.17	3043	0.66	7180	-0.94	4819	-0.37	25099	-33.38	25099	-33.08
2017	21288	-0.34	-0.05	12370	-0.59	12226	-0.13	12257	0.02	12251	-1.47	10448	-0.13	10448	-0.17	396	-0.10	4076	-0.86	2997	0.30	6707	-0.39	4517	-0.18	21288	-21.06	21288	-21.33
2018	23479	-0.19	-0.03	14040	-0.41	13793	-0.07	13970	0.08	13855	-0.74	13632	-0.10	13628	-0.12	2769	0.05	4509	-0.43	3186	0.40	7346	-0.18	4868	-0.16	23479	-15.51	23479	-15.42
2019	23716	-0.06	0.01	12804	-0.14	12534	-0.03	12696	0.00	12428	-0.20	11065	-0.04	11064	-0.04	6538	-0.02	4360	0.35	3342	0.45	6812	0.09	4577	0.01	23716	-5.49	23716	-5.66
2020	25173	0.00	0.00	14352	0.00	14254	0.00	14306	0.00	14288	0.00	11237	0.00	11227	0.00	7053	0.00	4845	0.00	3556	0.00	6826	0.00	4996	0.00	25173	1.08	25173	0.73
2021	21569	0.17	0.05	12191	0.39	12456	0.03	12535	-0.06	12678	0.52	9939	0.02	9930	0.05	6839	0.03	4602	-0.15	3172	-0.10	6683	0.22	4804	0.19	21569	12.19	21569	10.94
2022	25168	0.25	0.04	14842	0.43	14378	0.05	14903	-0.07	14900	0.94	11648	0.05	11644	0.10	7239	0.03	4737	-0.42	2610	-0.39	5947	0.31	4546	0.25	25168	15.55	25168	14.79
2023	23989	0.31	0.05	12878	0.65	12791	0.09	12835	-0.13	12946	1.38	8263	0.12	8263	0.15	6554	0.08	4059	0.21	1149	-0.70	4171	0.00	3218	0.21	23989	23.39	23989	22.98
2024	23216	0.43	0.07	11910	0.84	11759	0.10	11815	-0.19	11660	1.37	10056	0.12	9879	0.19	8492	0.12	1886	2.33	93	0.91	1412	0.19	1205	0.42	23216	25.07	23216	25.31
2025	16592	0.52	0.07	5883	1.03	5473	0.12	5860	-0.30	5861	1.51	5077	0.15	5077	0.25	4666	0.15	42	-5.00			5	-0.02			16592	30.51	16592	31.52

Genetic Trends of the Flock																																																													
Birth Year	Weaning Weight			Body Weight		CFW		FD		SL		WOOL		CONF		COND		AFL		ILP		NLW		TWW		REV-Rep		REV																																	
	Number	Dir	Mat	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV																																
2014	653	-0.68	-0.07	606	-1.68	597	-0.34	606	0.38	606	-2.27	2	-0.13	657	-0.31	657	-0.30	107	-3.42	88	0.48	186	0.26	108	0.19	694	-37.46	694	-39.94																																
2015	661	-0.95	0.03	619	-1.82	619	-0.34	627	0.38	627	-2.29																			642	-0.09	642	-0.06	106	6.20	81	2.64	209	0.51	106	0.19	776	-17.06	776	-16.78																
2016	719	-0.04	0.07	683	-0.45	682	-0.23	682	0.57	682	-0.79																																			741	-0.24	741	-0.21	126	1.55	100	1.61	211	0.92	125	0.21	714	-11.15	714	-11.70
2017	694	0.04	-0.02	662	-0.46	660	-0.19	661	0.45	659	-0.55																																																		
2018	778	-0.05	-0.05	744	-0.64	743	-0.10	747	0.36	747	0.02	644	0.04	644	0.04	81	5.71	59	1.82	96	1.18	72	0.48	793	14.44	793	12.12																																		
2019	776	0.41	0.00	644	0.37	642	-0.05	642	0.39	642	0.85																	700	0.08	700	0.12	111	2.07	68	0.00					778	20.97	778	18.12																		
2020	714	0.22	0.04	629	0.20	625	0.00	626	0.40	626	1.24	314	0.16	314	0.19	168	0.21	173	5.76					832	29.13	832	28.28																																		
2021	737	0.63	0.03	642	0.71	618	0.06	624	0.27	624	2.05																	642	0.04	642	0.03	130	4.59	109	1.35	229	1.04	127	0.56	737	10.93	737	9.01																		
2022	793	0.41	0.01	648	0.60	643	0.08	643	0.25	643	2.99	644	0.04	644	0.04	81	5.71	59	1.82	96	1.18	72	0.48	793	14.44	793	12.12																																		
2023	778	0.64	0.13	683	0.92	681	0.13	691	0.30	691	3.20																	700	0.08	700	0.12	111	2.07	68	0.00					778	20.97	778	18.12																		
2024	832	0.82	0.09	594	1.06	594	0.23	594	0.30	593	4.63	314	0.16	314	0.19	168	0.21	173	5.76					832	29.13	832	28.28																																		

Inbreeding

Inbreeding in the Flock and Breed



Pedigree Information

	Number	%
Known Sires	1932	85
Known Dams	2005	88

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

- The effects of inbreeding can be observed from 6.25% onwards. Inbreeding primarily leads to decreased fertility and low survivability of lambs.
- Inbreeding % is dependent on the accuracy of pedigree information. It is therefore highly recommended to record pedigrees as accurately and completely as possible and to not mate related animals.
- Incomplete or incorrect pedigree information can be reported to SA Stud Book.

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2000 - 2026	2.10	0.06
Recommended	< 6.25	< 0.1 - 0.2

*Of the last year of birth

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%

Percentiles of Future Values : All Active Animals

Percentile	Wean Direct	Wean Mat	Body Weight	CFW	FD	SL	NLW	TWW	AFL	ILP	WOOL	CONF	COND	REV	REV-REP
Gemid/Avg	0.36	0.05	0.44	0.05	-0.06	0.71	0.19	0.16	-2.71	-0.50	0.04	0.09	0.09	17.79	17.60
SA/SD	0.95	0.38	1.43	0.23	0.74	3.41	2.22	0.84	-11.03	-3.37	0.22	0.28	0.18	52.74	53.53
MIN	-5.64	-2.10	-6.62	-1.32	3.53	-16.21	-13.87	-4.67	63.14	21.60	-1.24	-1.47	-0.85	-156.46	-160.13
1%	-1.89	-0.92	-2.75	-0.47	1.76	-7.20	-5.87	-1.91	25.63	8.56	-0.41	-0.50	-0.35	-77.45	-81.88
5%	-1.13	-0.57	-1.73	-0.30	1.12	-4.49	-3.60	-1.19	12.68	5.47	-0.26	-0.31	-0.19	-50.18	-52.32
10%	-0.76	-0.40	-1.21	-0.21	0.81	-3.18	-2.56	-0.87	8.52	3.86	-0.21	-0.22	-0.12	-36.81	-38.33
20%	-0.36	-0.22	-0.71	-0.14	0.48	-2.11	-1.38	-0.51	4.73	2.04	-0.16	-0.13	-0.04	-26.60	-26.53
30%	-0.13	-0.13	-0.35	-0.10	0.28	-1.05	-0.61	-0.24	2.57	0.81	-0.11	-0.07	-0.01	-19.10	-17.86
40%	0.06	-0.06	-0.05	-0.04	0.16	-0.28	0.04	0.01	1.08	-0.13	-0.05	-0.01	0.03	-6.30	-5.52
50%	0.30	0.03	0.33	0.02	0.04	0.41	0.54	0.23	-0.60	-0.92	0.00	0.06	0.07	7.91	7.75
60%	0.54	0.12	0.71	0.09	-0.16	1.34	0.62	0.36	-2.62	-1.45	0.06	0.14	0.11	23.21	22.92
70%	0.81	0.23	1.14	0.16	-0.39	2.31	0.94	0.58	-5.83	-2.04	0.14	0.23	0.16	40.92	40.95
80%	1.13	0.35	1.65	0.24	-0.66	3.49	1.51	0.74	-13.68	-2.93	0.23	0.33	0.23	62.30	62.18
90%	1.59	0.53	2.34	0.36	-1.03	5.16	2.66	1.15	-18.59	-4.16	0.34	0.47	0.32	91.14	91.05
95%	1.98	0.69	2.91	0.45	-1.35	6.58	3.81	1.51	-20.17	-5.32	0.43	0.59	0.40	115.73	116.93
99%	2.75	1.00	3.97	0.66	-1.98	9.47	6.22	2.36	-29.61	-8.66	0.61	0.83	0.55	164.49	167.08
MAX	4.81	1.78	7.26	1.29	-3.57	27.80	12.65	4.67	-44.93	-17.91	1.15	1.45	1.01	323.26	322.91

SD = Standard Deviation = Indicates the distribution around the average

Percentiles of Future Indices : All Active Animals

Percentile	Wean Dir	Wean Mat	Body Weight	CFW	FD	SL	NLW	TWW	AFL	ILP	WOOL	CONF	COND	REV	REV-REP
Gemid/Avg	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SA/SD	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
MIN	43	36	44	42	147	50	32	34	24	24	36	37	47	62	62
1%	72	70	72	72	129	71	69	70	69	68	73	72	70	75	75
5%	80	80	80	81	120	80	80	81	83	79	81	81	80	82	82
10%	85	85	85	85	116	85	85	86	88	85	85	85	85	85	85
20%	90	91	90	90	110	90	91	91	92	91	90	90	91	90	90
30%	94	94	94	94	106	94	95	94	95	95	93	94	94	93	93
40%	97	97	97	97	103	97	98	97	96	98	97	97	97	96	96
50%	100	100	100	100	100	100	101	100	98	101	100	100	100	99	99
60%	103	103	103	103	97	103	103	103	100	104	103	103	103	102	102
70%	106	106	106	106	94	106	105	106	103	106	106	106	106	106	106
80%	110	110	110	110	90	110	108	109	108	109	110	110	110	110	110
90%	115	115	115	115	85	115	114	115	118	113	115	115	115	116	116
95%	120	120	120	120	81	120	120	119	122	118	120	120	120	121	121
99%	129	129	129	128	73	128	132	131	131	129	128	130	130	131	131
MAX	150	150	150	150	56	150	160	160	150	160	150	150	150	159	157

Top 15 REV_REP Sires Used in the Flock



Genotyped

*Inbreeding in red is high

FV = Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the past 24 months and their parents in the breed

Animal Information		Parents & Progeny						Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal			
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND		
			Prog	Nr	Prog	Nr																
			FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
		Active Breed Average :						31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
1	2157 21 2093 92753946	2.72	2157 17 3019 2157 17 2100	41	1	35	1	165.37	151.42	0.75	0.38	1.41	0.57	-0.97	-1.27	5.54	2.11	3	-0.03	0.07	0.33	
								126	124	104	109	105	120	90	93	126	126		95	97	113	
										87	50	87	91	95	89	36	40		83	85	35	
			Future Key :						7	7	5	6	6	7	4	4	7	7		5	5	6
2	2157 21 7732 92755172	1.62	2150 15 3444 2157 17 7760	44	1	41	1	144.33	148.96	1.28	-0.02	2.68	0.49	-1.18	-3.02	4.17	0.70	119	0.38	0.34	0.32	
								122	124	110	98	115	117	87	88	120	107		114	107	112	
										87	49	88	91	95	89	31	34		83	85	19	
			Future Key :						7	7	6	5	6	6	4	4	7	6		6	6	6
3	2157 23 1094 98656135	1.56	2157 21 7732 2157 19 1006					143.89	143.96	1.03	0.10	1.64	0.77	-0.65	3.28	2.31	0.71	120	0.39	0.57	0.47	
								122	123	107	101	107	129	94	106	111	107		115	117	120	
										61	34	62	69	81	65	16	18		55	57	9	
			Future Key :						7	7	6	5	6	7	5	6	6	6		6	6	7
4	2150 15 3444 82901810	1.34	272	2	217	2		141.52	136.87	2.01	-0.05	2.01	0.35	-1.04	6.79	8.48	1.39		0.44	0.12		
								122	121	118	96	110	111	89	116	141	116		117	99		
										97	78	97	98	99	97	61	68		94	94		
			Future Key :						7	7	7	5	6	6	4	6	8	6		6	5	
5	2157 22 1036 95546164	1.56	2157 20 5081 2157 19 1005	43	1	32	1	132.39	130.86	0.26	-0.08	1.05	0.69	-0.57	7.36	1.29	0.62	107	0.34	0.38	0.14	
								120	120	98	96	103	125	95	118	106	106		112	109	102	
										86	37	85	89	94	86	18	20		72	74	60	
			Future Key :						7	7	5	5	5	7	5	7	6	6		6	6	5
6	2157 20 5035 90837014	1.14	1864 18 0304 2157 14 5061	63	1	57	1	116.20	113.99	0.62	-0.15	0.18	0.01	-1.54	0.58	1.39	0.36	152	-0.08	-0.01	-0.01	
								117	117	102	94	96	97	82	99	106	102		92	94	94	
										93	81	93	95	97	93	78	79		90	91	80	
			Future Key :						6	6	5	5	5	5	4	5	6	5		4	5	5
7	2157 22 8044 95545729	1.37	2157 20 5067 2157 18 8045	40	1	32	1	114.25	114.88	1.22	0.06	0.85	0.74	-0.25	9.46	-1.77	0.29	101	0.35	0.32	0.13	
								116	117	109	100	101	128	99	124	91	101		113	107	101	
										86	43	86	90	94	88	27	31		74	76	49	
			Future Key :						6	6	6	5	5	7	5	7	4	5		6	6	5

Top 15 REV_REP Sires Used in the Flock



Genotyped

*Inbreeding in red is high

FV = Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the past 24 months and their parents in the breed

Animal Information		Parents & Progeny						Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal		
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND	
			Prog	Nr	Prog	Nr															
			FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
Active Breed Average :							31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
8	2157 17 3019 79768768	1.03	2157 15 4036 2157 13 1027	176	2	147	2	100.95	89.78	1.82	0.19	2.80	0.56	0.23	3.79	10.26	2.39	145	0.20	0.04	0.44
								114	112	116	104	116	120	105	108	149	130	5	106	96	119
Future Key :							6	6	6	5	6	7	5	6	9	8		6	5	7	
9	2157 20 1051 90840521	1.46	2157 16 9026 2157 16 9978	30	1	29	1	97.79	77.40	-0.58	0.23	-0.60	0.00	-1.01	-3.70	6.05	1.94	130	-0.12	-0.03	-0.04
								113	109	88	105	90	96	89	86	129	124	4	90	93	92
Future Key :							6	6	4	5	4	5	4	4	7	7		4	4	4	
10	2157 23 7774 98662885	1.92	2157 20 5067 2157 21 7760					96.90	87.99	-0.36	0.20	0.43	0.71	0.38	14.23	3.87	1.11	109	0.70	0.72	0.34
								113	111	91	104	98	126	107	138	118	112	4	130	122	113
Future Key :							6	6	4	5	5	7	6	8	7	6		8	7	6	
11	2157 17 9011 79773966	1.06	2157 14 5026 2157 15 9023	24	1	22	1	95.46	82.51	0.04	0.42	0.93	0.23	-0.44	8.89	7.66	1.79	92	0.38	0.56	0.22
								113	110	95	110	102	106	96	123	137	121	2	114	116	106
Future Key :							6	6	5	6	5	6	5	7	8	7		6	6	6	
12	2157 20 5067 90844663	1.61	2157 17 9011 2157 18 5149	76	1	61	1	94.52	91.94	0.55	0.46	2.37	0.58	0.52	27.80	5.59	1.28	103	0.74	0.79	0.25
								112	112	101	112	113	121	109	150	126	115	4	132	125	108
Future Key :							6	6	5	6	6	7	6	9	7	6		8	7	6	
13	2157 22 7726 95548301	1.56	2157 20 5067 2157 19 7765	43	1	26	1	94.34	98.03	1.60	0.12	3.20	0.46	-0.13	13.62	3.08	0.99	93	0.77	0.88	0.25
								112	113	113	101	119	116	100	136	114	111	1	133	129	108
Future Key :							6	6	6	5	7	6	5	8	6	6		8	7	6	
14	2157 20 5061 90844754	1.61	2157 17 3019 2157 18 5155	34	1	29	1	93.72	78.26	-0.42	-0.05	-0.36	0.02	-0.98	0.12	5.18	1.51	84	-0.01	-0.23	0.11
								112	109	90	97	92	97	89	97	125	118	2	95	85	100
Future Key :							6	6	4	5	4	5	4	5	7	7		5	4	5	

Top 15 REV_REP Sires Used in the Flock



Genotyped

*Inbreeding in red is high

FV = Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the past 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal			
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND
			Prog	Nr	Prog	Nr														
			weaned	flocks	tested	flocks	FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
		Active Breed Average :				31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
15	0																			
		Future Key :																		
Top Sires Flock Averages						116.54	110.49	0.70	0.13	1.33	0.44	-0.55	6.28	4.51	1.23		0.32	0.32	0.23	

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the pas 24 months and their parents in the breed

Animal Information		Parents & Progeny					Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal		
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND
			Prog	Nr	Prog	Nr														
			Progeny	Progeny	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index
Active Breed Average :							31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
1	2157 23 1094 98656135	1.56	2157 21 7732 2157 19 1006				143.89	143.96	1.03	0.10	1.64	0.77	-0.65	3.28	2.31	0.71	120	0.39	0.57	0.47
			122	123	107	101	107	129	94	106	111	107	3	115	117	120				
Future Key :							7	7	6	5	6	7	5	6	6	6		6	6	7
2	2157 24 5120 107655763	2.23	2157 22 8094 2157 21 5083				141.18	144.28	1.49	-0.20	2.27	0.09	-1.60	4.61	2.05	0.71	101	0.15	0.38	0.31
			122	123	112	92	112	100	82	110	109	107	4	103	109	111				
Future Key :							7	7	6	4	6	5	4	6	6	6		5	6	6
3	2157 22 1036 95546164	1.56	2157 20 5081 2157 19 1005				132.39	130.86	0.26	-0.08	1.05	0.69	-0.57	7.36	1.29	0.62	107	0.34	0.38	0.14
			120	120	98	96	103	125	95	118	106	106	4	112	109	102				
Future Key :							7	7	5	5	5	7	5	7	6	6		6	6	5
4	2157 24 5053 107649816	1.59	2157 22 1036 2157 18 5151				122.51	118.16	0.04	0.16	0.51	0.33	-1.02	4.94	0.92	0.71	132	0.52	0.48	0.16
			118	117	95	103	99	110	89	111	104	107	5	121	113	103				
Future Key :							7	7	5	5	5	6	4	6	5	6		7	6	5
5	2157 22 8044 95545729	1.37	2157 20 5067 2157 18 8045				114.25	114.88	1.22	0.06	0.85	0.74	-0.25	9.46	-1.77	0.29	101	0.35	0.32	0.13
			116	117	109	100	101	128	99	124	91	101	4	113	107	101				
Future Key :							6	6	6	5	5	7	5	7	4	5		6	6	5
6	2157 24 9011 107657736	1.54	2157 22 1036 2157 21 9092				107.15	106.06	0.60	0.24	1.23	0.35	-0.79	4.52	0.93	0.66	99	0.30	0.30	0.12
			115	115	102	105	104	111	92	110	104	106	4	110	106	101				
Future Key :							6	6	5	5	5	6	4	6	5	6		6	6	5
7	2157 24 7731 107650269	1.59	2157 22 7726 2157 18 7769				100.08	99.10	1.20	-0.19	1.63	0.00	-1.23	0.96	1.83	0.85	114	0.45	0.65	0.22
			114	114	109	92	107	97	86	100	108	109	4	118	119	107				
Future Key :							6	6	6	4	6	5	4	5	6	6		7	7	6

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the pas 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal			
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND
			Prog wean	Nr flocks	Prog tested	Nr flocks														
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
8	2157 24 8027 107656993	1.21	2157 22 7067 2157 21 8056				95.13	98.07	0.49	0.05	0.45	1.01	0.62	13.39	-3.08	-0.16	109	0.43	0.26	0.08
							113	113	101	100	98	139	110	135	84	95	4	117	104	99
									64	34	65	72	82	68	22	25		49	51	31
		Future Key :					6	6	5	5	5	8	6	8	4	5		6	5	5
9	2157 24 9009 107657728	1.54	2157 22 7726 2157 21 9082				91.32	86.93	0.39	-0.01	0.91	0.54	-0.05	10.47	1.83	0.85	98	0.52	0.47	0.13
							112	111	99	98	102	119	101	127	108	109	4	121	112	101
									58	24	59	67	80	62	8	9		50	52	43
		Future Key :					6	6	5	5	5	7	5	7	6	6		7	6	5
10	2157 24 5099 107653115	2.12	2157 22 8044 2157 20 5007				90.68	88.77	0.48	0.34	0.63	0.43	-0.46	5.12	1.55	0.48	109	0.13	0.13	0.10
							112	111	100	108	100	114	96	112	107	104	5	102	99	100
									64	34	65	72	82	68	23	26		55	57	44
		Future Key :					6	6	5	6	5	6	5	6	6	5		5	5	5
11	2157 24 2020 107652745	1.62	2157 22 6044 2157 20 2144				90.12	87.51	1.08	0.61	1.94	-0.15	-1.24	1.84	2.99	1.17	101	0.28	0.38	0.21
							112	111	107	116	110	90	86	102	114	113	4	109	109	106
									57	25	59	67	80	62	8	10		51	53	44
		Future Key :					6	6	6	6	6	4	4	5	6	6		6	6	6
12	2157 24 8043 107658767	1.45	2157 21 9046 2157 22 8003				89.78	87.91	0.65	0.29	0.96	0.61	-0.05	6.14	0.56	0.60	101	0.12	0.09	0.20
							111	111	103	107	102	122	101	115	102	105	3	102	98	105
									64	32	65	72	82	68	20	22		60	61	46
		Future Key :					6	6	5	6	5	7	5	6	5	6		5	5	5
13	2157 24 9052 107654444	1.62	2157 22 6044 2157 20 9069				89.47	82.41	0.24	0.20	0.95	0.35	-0.39	4.61	2.99	1.17	108	0.07	0.09	0.21
							111	110	98	104	102	111	97	110	114	113	1	99	98	106
									57	25	59	67	80	62	8	10		51	53	45
		Future Key :					6	6	5	5	5	6	5	6	6		5	5	6	
14	2157 24 5107 107655813	1.81	2157 22 1036 2157 21 5099				88.58	83.44	0.32	-0.39	0.25	0.39	-0.47	3.33	3.14	0.66	112	0.14	0.25	0.17
							111	110	99	86	97	113	96	106	115	106	4	103	104	104
									64	33	64	71	82	67	19	22		57	59	48
		Future Key :					6	6	5	4	5	6	5	6	6		5	5	5	

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
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Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the past 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal				
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R FV Index	REV FV Index	Weaning Dir FV Index Acc	Weight Mat FV Index Acc	Body Weight FV Index Acc	CFW FV Index Acc	FD FV Index Acc	SL FV Index Acc	NLW FV Index Acc	TWW FV Index Acc	Dam EPI Times Lambded	WOOL FV Index Acc	CONF FV Index Acc	COND FV Index Acc	
			Prog wean	Nr flocks	Prog tested	Nr flocks															
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
15	2157 24 7010 107651473	2.15	2157 22 7067				88.49	94.03	1.47	-0.29	1.15	0.64	-0.21	5.24	-1.86	-0.10	130	0.44	0.10	-0.07	
			2157 19 7025				111	113	112 66	90 39	103 67	123 73	99 82	112 69	90 29	96 32	5	117 60	98 62	90 51	
		Future Key :					6	6	6	4	5	7	5	6	4	5		6	5	4	
16	2157 24 7714 107656720	1.56	2157 22 7726				86.45	84.67	1.90	-0.04	2.57	0.17	-0.52	9.10	5.03	1.32	109	0.52	0.47	0.11	
			2157 21 7754				111	111	117 63	97 32	114 64	104 71	95 82	123 67	124 20	115 22	2	121 56	112 58	100 44	
		Future Key :					6	6	6	5	6	5	5	7	7	6		7	6	5	
17	2157 23 1024 98658289	1.24	2157 21 2056				85.36	88.47	0.68	0.01	0.71	0.56	-0.36	1.70	0.18	-0.02	109	-0.05	0.00	0.07	
			2157 20 1066				111	111	103 65	98 37	100 65	120 72	97 82	102 68	100 27	97 30	5	93 58	94 60	98 24	
		Future Key :					6	6	5	5	5	7	5	5	5	5		5	5	5	
18	2157 22 6044 95545075	1.61	2157 20 5067	30	1	24	1	85.21	81.77	1.06	0.66	2.91	0.40	0.03	9.45	5.41	1.63	114	0.49	0.56	0.28
			2157 18 6020					111	110	107 83	117 39	117 83	113 88	102 93	124 85	126 17	119 19	3	120 72	116 74	110 52
		Future Key :					6	6	6	7	6	6	5	7	7	7		7	6	6	
19	2157 24 1068 107657785	2.19	2157 21 3018				83.85	71.49	1.18	0.14	0.77	0.20	-0.51	-0.90	4.90	1.66	110	0.07	0.17	0.30	
			2157 22 1003				110	108	109 64	102 36	101 66	105 72	95 82	94 68	123 26	120 29	2	100 51	101 52	111 32	
		Future Key :					6	6	6	5	5	5	5	5	7	7		5	5	6	
20	2157 24 9025 107657348	1.54	2157 22 7754				83.53	83.49	0.34	-0.24	0.19	0.16	-0.90	5.54	1.48	0.11	88	0.42	0.24	0.32	
			2157 21 9016				110	110	99 63	91 31	96 64	103 71	90 82	113 67	107 20	99 23	3	116 57	104 59	112 45	
		Future Key :					6	6	5	4	5	5	4	6	6	5		6	5	6	
21	2157 24 5087 107649717	2.18	2157 22 8094				81.16	75.81	0.53	-0.13	1.42	0.16	-0.53	7.00	4.89	1.20	132	0.09	0.27	0.24	
			2157 18 5028				110	109	101 65	94 37	106 66	103 72	95 82	117 68	123 25	114 28	5	100 58	105 60	108 46	
		Future Key :					6	6	5	5	6	5	5	6	7	6		5	5	6	

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
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Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the pas 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal			
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND
			Prog	Nr	Prog	Nr														
			FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
22	2157 24 1090 107652075	1.91	2157 22 6044 2157 19 9935				77.48	69.20	1.10	0.39	2.12	0.46	0.34	9.04	5.64	1.79	121	0.45	0.47	0.35
							109	107	108	109	111	116	106	123	127	121	5	118	113	114
			Future Key :				6	6	6	6	6	6	6	7	7	7		7	6	6
23	2157 24 3039 107656100	1.59	2157 22 8044 2157 21 6038				77.35	76.71	1.60	0.14	1.95	-0.13	-1.16	-3.09	1.67	0.96	107	0.16	0.33	0.27
							109	109	113	102	110	91	87	88	107	110	4	104	107	109
			Future Key :				6	6	6	5	6	4	4	4	6	6		5	6	6
24	2157 24 9042 107668063	1.43	2157 22 1036 2157 22 9069				77.09	87.74	1.03	0.15	1.93	0.38	-0.57	3.53	1.11	-0.28	120	0.25	0.33	0.13
							109	111	107	102	109	113	95	107	105	93	4	108	107	102
			Future Key :				6	6	6	5	6	6	5	6	5	5		6	6	5
25	2157 24 4031 107650905	3.29	2157 22 1036 2157 19 4018				74.63	74.97	0.00	0.06	0.75	0.42	-0.22	7.77	2.63	0.28	120	0.33	0.39	0.15
							108	109	95	100	100	114	99	119	112	101	4	112	109	103
			Future Key :				6	6	5	5	5	6	5	7	6	5		6	6	5
26	2157 24 1031 107654543	1.87	2157 22 8094 2157 21 1030				74.47	78.36	1.49	-0.04	2.10	-0.12	-1.11	3.78	2.49	0.54	100	0.29	0.45	0.34
							108	109	112	97	111	92	88	108	111	105	2	110	112	113
			Future Key :				6	6	6	5	6	4	4	6	6	5		6	6	6
27	2157 24 9071 107649865	1.61	2157 22 6044 2157 18 6006				73.91	66.09	0.29	0.02	0.80	0.71	0.85	11.87	2.91	1.14	103	0.39	0.31	0.13
							108	107	98	98	101	126	113	131	113	113	4	115	107	101
			Future Key :				6	6	5	5	5	7	6	8	6	6		6	6	5
28	2157 24 8077 107657066	1.53	2157 22 8044 2157 21 8081				72.74	71.77	0.77	0.06	1.13	0.53	0.02	2.38	0.73	0.58	107	0.21	0.24	0.19
							108	108	104	100	103	119	102	104	103	105	2	106	104	105
			Future Key :				6	6	5	5	5	7	5	5	5	5		6	5	5

Top 60 REV_REP Measured Rams



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Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal				
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R FV Index	REV FV Index	Weaning Dir FV Index Acc	Weight Mat FV Index Acc	Body Weight FV Index Acc	CFW FV Index Acc	FD FV Index Acc	SL FV Index Acc	NLW FV Index Acc	TWW FV Index Acc	Dam EPI Times Lambded	WOOL FV Index Acc	CONF FV Index Acc	COND FV Index Acc	
			Prog wean	Nr flocks	Prog tested	Nr flocks															
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
29	2157 24 2065 107650624	1.89	2157 22 7726				72.63	72.71	1.08	0.11	1.98	0.26	-0.37	4.13	3.18	0.86	123	0.51	0.53	0.16	
			2157 19 2037				108	108	107	101	110	108	97	109	115	109	5	121	115	103	
			Future Key :					6	6	6	5	6	6	5	6	6		7	6	5	
30	2157 24 7759 107654006	1.62	2157 22 8094				72.42	75.69	1.82	0.10	2.71	-0.11	-1.01	2.48	2.65	0.87	107	0.04	0.40	0.47	
			2157 20 7769				108	109	116	101	115	92	89	104	112	109	4	98	110	121	
			Future Key :					6	6	6	5	6	4	4	5	6	6		5	6	7
31	2157 24 5054 107649824	1.59	2157 22 1036				70.85	67.48	0.18	0.28	0.81	0.37	-0.15	6.90	0.92	0.71	132	0.53	0.56	0.20	
			2157 18 5151				108	107	97	106	101	112	100	117	104	107	5	122	116	105	
			Future Key :					6	6	5	6	5	6	5	6	6		7	6	5	
32	2157 24 7064 107650038	2.20	2157 22 7726				70.07	78.69	1.39	-0.01	1.92	0.53	0.02	10.87	-3.04	-0.09	123	0.66	0.62	0.11	
			2157 18 7026				108	109	111	98	109	119	102	128	85	96	5	128	119	100	
			Future Key :					6	6	6	5	6	7	5	7	4	5		7	7	5
33	2157 24 8076 107657058	1.53	2157 22 8044				69.60	64.06	0.62	-0.11	-0.05	0.12	-0.72	0.32	0.73	0.58	107	0.13	0.21	0.21	
			2157 21 8081				108	106	102	95	94	102	93	98	103	105	2	102	103	106	
			Future Key :					6	6	5	5	5	5	4	5	5	5		5	5	6
34	2157 24 1056 107654550	1.34	2157 22 5120				69.35	65.44	0.85	0.32	1.20	0.37	0.08	13.20	4.76	0.93	98	0.23	0.16	0.21	
			2157 21 1034				107	107	105	108	104	112	103	135	122	110	2	107	101	106	
			Future Key :					6	6	5	6	5	6	5	8	7	6		6	5	6
35	2157 24 2081 107652679	1.62	2157 22 2120				69.08	65.44	0.71	0.10	1.20	0.28	-0.27	4.20	1.73	0.91	99	0.03	0.13	0.19	
			2157 20 2137				107	107	103	101	104	108	99	109	108	110	3	98	99	105	
			Future Key :					6	6	5	5	5	6	5	6	6		5	5	5	

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Indices in bottom 10%

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Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal				
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND	
			Prog	Nr	Prog	Nr															
			FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
36	2157 24 9083 107657454	1.54	2157 21 6010		2157 21 9055		69.05	61.64	-0.62	0.48	-0.25	0.15	-0.59	2.72	-0.17	0.69	98	0.02	-0.04	0.10	
			107	106	88	112	93	103	94	105	99	107	1	97	93	100					
			Future Key :					6	6	4	6	4	5	5	5	5	6		5	4	5
37	2157 24 5030 107655805	2.10	2157 22 1036		2157 21 5093		68.76	66.00	-0.51	0.17	0.41	0.53	0.09	4.86	0.36	0.45	100	0.18	0.18	0.09	
			107	107	89	103	98	119	103	111	101	103	4	104	101	99					
			Future Key :					6	6	4	5	5	7	5	6	5	5		5	5	5
38	2157 24 2070 107654790	3.01	2157 22 1036		2157 21 2001		68.73	66.59	0.99	0.13	2.00	0.07	-0.51	8.25	3.50	1.12	102	0.34	0.50	0.28	
			107	107	106	102	110	99	95	121	116	112	4	113	114	110					
			Future Key :					6	6	6	5	6	5	5	7	6	6		6	6	6
39	2157 24 8014 107651937	1.56	2157 22 2120		2157 19 8105		65.58	69.31	1.68	0.73	3.00	0.32	-0.11	5.48	1.73	0.91	102	0.01	0.28	0.35	
			107	108	114	119	118	110	101	113	108	110	4	97	105	114					
			Future Key :					6	6	6	7	7	6	5	6	6		5	5	6	
40	2157 24 4050 107655334	1.64	2157 21 9046		2157 21 4011		65.58	62.00	0.64	-0.12	1.07	0.51	0.24	4.70	4.62	0.83	108	0.09	-0.06	0.10	
			107	106	102	94	103	118	105	110	122	109	4	100	92	100					
			Future Key :					6	6	5	5	5	7	5	6	7	6		5	4	5
41	2157 24 2017 107652653	3.04	2157 22 7067		2157 20 2119		63.93	76.15	0.67	-0.33	0.51	0.43	-0.57	0.53	-5.78	-1.07	99	0.30	0.23	-0.08	
			106	109	103	88	99	115	95	98	71	83	5	111	103	90					
			Future Key :					6	6	5	4	5	6	5	5	3	4		6	5	4
42	2157 24 3010 107655300	1.24	2157 20 5098		2157 21 3024		63.44	61.14	0.79	-0.02	0.28	0.74	0.71	8.06	-0.87	0.33	100	0.14	0.11	0.21	
			106	106	104	98	97	127	111	120	95	102	3	103	98	106					
			Future Key :					6	6	5	5	5	7	6	7	5	5		5	5	6

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the pas 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal				
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND	
			Prog wean	Nr flocks	Prog tested	Nr flocks															FV Index
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
43	2157 22 5120 95550331	1.63	2157 19 2079 2157 20 5110	41	1	26	1	63.22	61.42	0.69	-0.05	0.37	0.20	-0.30	14.84	2.82	0.35	112	0.17	0.12	0.23
								106	106	103	96	97	105	98	140	113	102	5	104	99	107
		Future Key :					6	6	5	5	5	5	5	8	6	5		5	5	6	
44	2157 24 7096 107653750	1.62	2157 22 7067 2157 20 7092					62.51	60.43	0.21	-0.14	-0.53	0.76	0.59	6.86	-3.71	-0.04	104	0.46	0.32	0.07
								106	106	97	94	91	128	109	117	81	97	3	118	107	98
		Future Key :					6	6	5	5	4	7	6	6	3	5		7	6	5	
45	2157 24 5066 107653206	2.44	2157 22 1036 2157 20 5040					62.34	61.34	0.81	0.05	1.86	0.46	0.22	4.50	1.48	0.90	109	0.34	0.26	0.10
								106	106	104	100	109	116	105	110	107	109	5	113	104	100
		Future Key :					6	6	5	5	6	6	5	6	6	6		6	5	5	
46	2157 24 9018 107650491	1.61	2157 22 4061 2157 18 9082					62.10	60.81	0.62	-0.03	0.73	0.04	-0.71	4.23	1.78	0.47	110	0.21	0.24	0.07
								106	106	102	97	100	98	93	109	108	104	4	106	104	98
		Future Key :					6	6	5	5	5	5	4	6	6	5		6	5	5	
47	2157 24 7077 107653628	2.73	2157 20 5098 2157 20 7061					61.95	66.42	0.48	-0.08	0.47	0.63	0.26	8.86	-3.48	-0.29	100	0.12	0.03	0.05
								106	107	100	96	98	123	105	122	82	93	5	102	96	97
		Future Key :					6	6	5	5	5	7	5	7	4	4		5	5	5	
48	2157 24 9089 107654295	1.62	2157 22 4061 2157 20 9058					61.06	57.34	0.24	-0.14	0.16	0.17	-0.44	5.65	1.78	0.47	108	0.13	0.20	0.10
								106	105	98	94	96	104	96	113	108	104	3	102	102	100
		Future Key :					6	5	5	5	5	5	5	6	6	5		5	5	5	
49	2157 23 8051 98660772	4.48	2157 20 4002 2157 20 8060					59.62	74.34	1.56	0.75	3.21	0.59	0.19	5.81	-3.05	-0.18	103	0.34	0.73	0.46
								106	109	113	120	119	121	104	114	85	95	3	113	123	120
		Future Key :					6	6	6	7	7	7	5	6	4	5		6	7	7	

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the past 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal				
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND	
			Prog	Nr	Prog	Nr															FV Index
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
50	2157 24 7062 107659872	1.54	2157 21 8040		2157 21 7101		58.95	55.85	0.95	0.07	0.89	0.43	0.10	1.99	2.37	0.70	107	0.13	-0.23	0.25	
							105	105	106	100	101	115	103	103	111	107	3	102	85	108	
		Future Key :					6	5	6	5	5	6	5	5	6	6		5	4	6	
51	2157 23 2063 98661580	1.55	2157 20 8035		2157 21 2053		58.76	60.81	-0.23	0.19	1.17	-0.07	-0.89	3.43	2.53	0.32	109	0.28	-0.01	0.07	
							105	106	92	104	104	94	91	107	112	102	4	109	94	98	
		Future Key :					5	6	4	5	5	5	4	6	6	5		6	5	5	
52	2157 22 2118 95544243	1.21	2157 19 4015	41	1	27	1	58.57	79.89	3.01	0.10	5.21	0.24	-0.47	1.11	0.45	0.02	127	0.41	0.54	0.32
			2157 18 2133			105	110	130	101	135	107	96	100	102	98	5	116	115	112		
		Future Key :					5	6	8	5	8	6	5	5	5	5		6	6	6	
53	2157 24 7753 107656670	7.70	2157 22 8094		2157 21 7714		57.81	58.43	1.90	0.23	2.71	0.04	-0.44	4.91	5.18	1.13	110	0.22	0.39	0.39	
							105	105	117	105	115	98	96	111	125	113	2	107	109	116	
		Future Key :					5	5	6	5	6	5	5	6	7	6		6	6	6	
54	2157 24 4019 107653107	1.62	2157 22 2118		2157 20 4090		56.06	63.71	1.66	0.16	2.67	0.13	-0.53	2.10	0.52	0.36	100	0.18	0.27	0.23	
							105	106	114	103	115	102	95	103	102	102	4	105	105	107	
		Future Key :					5	6	6	5	6	5	5	5	5	5		5	5	6	
55	2157 24 9019 107654337	1.62	2157 22 8094		2157 20 9060		56.00	50.46	-0.51	0.05	0.60	-0.01	-0.65	0.29	2.65	0.87	94	0.15	0.05	0.11	
							105	104	89	100	99	96	94	98	112	109	3	103	96	100	
		Future Key :					5	5	4	5	5	5	5	5	6	6		5	5	5	
56	2157 24 3049 107655326	2.36	2157 20 5098		2157 21 3047		55.17	56.81	-0.40	-0.03	-0.63	0.78	0.70	10.11	-3.09	-0.49	106	0.07	-0.09	-0.03	
							105	105	90	97	90	129	111	126	84	91	4	100	91	92	
		Future Key :					5	5	4	5	4	7	6	7	4	4		5	4	4	

Top 60 REV_REP Measured Rams



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

Index: Expresses the Future Value around 100 where 100 is set as the average Future Value of lambs born in the past 24 months and their parents in the breed

Animal Information		Parents & Progeny				Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal			
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Wean		Wool Test		REV-R	REV	Weaning Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND
			Prog	Nr	Prog	Nr														
			Active Breed Average :				31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
57	2157 24 5080 107649782	1.59	2157 22 2120 2157 18 5144			54.90	49.84	1.05	0.29	1.98	0.25	-0.05	-2.89	4.37	1.40	136	0.15	0.38	0.29	
						105	104	107	106	110	107	101	89	121	116	5	103	109	110	
			Future Key :				5	5	6	6	6	6	5	4	7	6		5	6	6
58	2157 24 2115 107655052	1.84	2157 22 7067 2157 21 2122			54.63	58.81	2.25	-0.06	1.57	0.45	0.07	3.35	-3.90	0.23	106	0.41	0.49	0.21	
						105	105	121	96	107	115	103	107	80	100	4	116	113	106	
			Future Key :				5	5	7	5	6	6	5	6	3	5		6	6	6
59	2157 24 2004 107655037	4.55	2157 22 7754 2157 21 2100			54.61	62.16	1.47	0.19	1.75	0.83	1.02	8.56	-1.47	-0.08	101	0.15	0.31	0.50	
						105	106	112	104	108	131	115	122	92	96	3	103	106	122	
			Future Key :				5	6	6	5	6	8	6	7	4	5		5	6	7
60	2157 24 8050 107657009	1.16	2157 20 5098 2157 21 8057			53.70	51.80	1.73	0.18	1.36	0.34	0.14	6.79	-1.07	0.78	104	0.03	0.17	0.29	
						104	104	115	103	105	111	104	116	94	108	4	98	101	110	
			Future Key :				5	5	6	5	5	6	5	6	5	6		5	5	6
Top Flock Rams (with known parents) Average:						77.16	77.00	0.84	0.09	1.30	0.36	-0.29	5.33	1.25	0.59		0.26	0.28	0.20	

Young Rams



Genotyped

*Inbreeding in red is high

FV - Future Values

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future values with accuracy less than 5% are not printed

All young rams with a weaning weight but no wool data, younger than 7 months and both parents known.

Animal Information		Parents		Selection Indices		EBV - Weights			EBV - Wool			EBV - Fertility			EBV - Appraisal		
Animal ID Regnr	% In-breeding	Sire ID	Dam ID	REV-R	REV	Weaning Weight Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	Dam EPI	WOOL	CONF	COND
				FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
		Active Breed Average :															
1																	
		Future Key :															
Flock Rams (with known parents) Average: Number :																	

Top 15 REV_REP Ewes



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future Values with accuracy less than 5% are not printed

Ewes with weaning weights, older than 12 months and both parents known.

Animal Information		Parents		Progeny		Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal		
Animal ID	% In-brding	Sire ID	Dam ID	Generation	Prog Weaned	REV-R	REV	Weanling Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	EPI	WOOL	CONF	COND
Regnr		Dam ID	EPI Times Lambded	1st	2nd	FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	Times Lambded	FV Index Acc	FV Index Acc	FV Index Acc
Active Breed Average :						31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
1	2157 24 2085 107654907	1.52	2157 22 1036 107654907	109	4	169.17 127	165.84 127	0.50 101 63	-0.11 95 32	0.48 98 64	0.32 110 71	-1.62 81 82	7.37 118 67	2.85 113 21	0.61 105 23	1	0.32 112 56	0.15 100 58	0.10 100 31
Future Key :						7	7	5	5	5	6	3	7	6	6		6	5	5
2	2157 23 3004 98655293	1.61	2157 21 2093 107655293	114	3	144.62 122	135.20 121	1.08 107 62	0.58 115 35	2.38 113 64	0.58 121 70	-0.60 94 81	3.01 106 66	5.38 125 19	2.04 125 22	2	0.24 108 57	0.50 114 59	0.49 122 22
Future Key :						7	7	6	6	6	7	5	6	7	7		6	6	7
3	2157 24 4013 107655391	1.81	2157 22 1036 107655391	100	4	141.83 122	135.91 121	0.57 101 63	0.07 100 31	1.22 104 63	0.44 115 71	-1.05 88 82	1.33 101 66	3.97 119 19	1.18 113 22	0	0.16 104 46	0.24 104 47	0.25 108 35
Future Key :						7	7	5	5	5	6	4	5	7	6		5	5	6
4	2157 24 5051 107653446	1.62	2157 22 5120 107653446	106	4	141.12 122	134.67 121	0.30 98 59	-0.21 92 30	-0.47 91 60	0.05 99 68	-1.66 81 80	7.25 118 63	1.70 108 14	0.53 104 16	1	0.20 106 37	0.24 104 38	0.28 110 21
Future Key :						7	7	5	4	4	5	3	7	6	5		6	5	6
5	2157 24 2045 107652729	1.62	2157 22 8044 107652729	111	4	133.93 120	127.09 119	0.04 95 59	-0.11 95 29	-0.58 90 61	0.37 112 69	-1.18 87 81	4.40 110 64	-0.60 96 14	0.50 104 15	1	0.16 104 41	0.07 97 42	0.07 98 25
Future Key :						7	7	5	5	4	6	4	6	5	5		5	5	5
6	2157 21 5083 92760503	1.56	2157 17 7010 92760503	89	1	130.45 119	127.48 119	-0.13 93 63	-0.32 89 50	0.05 95 65	0.06 99 72	-1.59 82 82	4.55 110 68	-0.63 96 41	0.39 103 45	101 4	-0.02 95 61	-0.10 91 62	0.01 95 50
Future Key :						7	7	5	4	5	5	4	6	5	5		5	4	5
7	2157 24 1032 107652323	2.83	2157 20 5098 107652323	110	4	127.64 119	121.19 118	0.54 101 67	-0.27 90 40	-0.96 87 68	0.21 105 73	-1.45 83 83	-1.05 94 70	0.31 101 28	0.31 101 31	0	0.24 107 53	0.09 98 54	0.08 98 29
Future Key :						7	7	5	4	4	5	4	5	5	5		6	5	5
8	2157 21 9016 92755750	1.62	2150 15 3444 92755750	114	4	127.48 119	125.10 119	0.22 98 65	-0.32 89 49	-0.18 93 67	0.15 103 73	-1.50 83 83	2.19 103 69	3.00 114 35	0.22 100 39	88 3	0.35 113 60	0.04 96 62	0.09 99 26
Future Key :						7	7	5	4	4	5	4	5	6	5		6	5	5

Top 15 REV_REP Ewes



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future Values with accuracy less than 5% are not printed

Ewes with weaning weights, older than 12 months and both parents known.

Animal Information		Parents		Progeny		Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal		
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Dam EPI Times Lambded	Generation Prog Weaned		REV-R	REV	Weanng Dir	Weight Mat	Body Weight	CFW	FD	SL	NLW	TWW	EPI	WOOL	CONF	COND
				1st	2nd	FV Index	FV Index	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc	FV Index Acc
		Active Breed Average :				31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
9	2157 23 9011 98656010	1.61	2157 21 7732 2157 18 9075	112 4		124.90 118	120.84 118	0.25 98 60	-0.06 96 32	0.57 99 62	0.38 112 70	-1.06 88 81	-0.55 95 65	2.37 111 15	0.70 107 17	2	0.25 108 55	0.19 102 57	0.22 107 9
				Future Key :		7	7	5	5	5	6	4	5	6	6		6	5	6
10	2157 23 8082 98662943	1.35	2157 20 5035 2157 21 8056	109 4		123.48 118	118.14 117	0.07 96 64	-0.07 96 37	-0.38 92 66	0.38 112 72	-1.01 89 82	6.67 116 68	1.62 107 25	0.42 103 29	1	0.23 107 60	0.11 99 62	0.10 100 24
				Future Key :		7	6	5	5	4	6	4	6	6	5		6	5	5
11	2157 24 1029 107652273	9.88	2157 22 4061 2157 20 1024	105 3		122.60 118	117.68 117	0.41 100 64	0.15 102 34	1.12 103 65	0.47 116 72	-0.63 94 82	10.59 127 67	4.61 122 24	1.02 111 27	0	0.26 109 45	0.44 112 47	0.18 104 23
				Future Key :		7	6	5	5	5	6	5	7	7	6		6	6	5
12	2157 24 4080 107655359	1.56	2157 22 7726 2157 21 4020	100 3		119.19 117	121.09 118	1.15 108 63	-0.02 97 32	1.90 109 64	0.34 111 71	-1.00 89 82	3.58 107 67	3.47 116 20	0.65 106 23	0	0.48 119 46	0.50 114 47	0.23 107 26
				Future Key :		6	7	6	5	6	6	4	6	6	6		7	6	6
13	2157 24 8068 107651861	1.70	2157 22 8044 2157 19 8053	105 5		117.48 117	114.86 117	0.65 102 64	-0.18 93 36	0.61 99 65	0.65 124 72	-0.43 96 82	7.11 117 68	1.30 106 25	0.54 105 28	0	0.06 99 58	-0.01 94 60	0.11 101 30
				Future Key :		6	6	5	4	5	7	5	6	6	5		5	5	5
14	2157 24 7039 107656167	1.70	2157 22 2120 2157 21 7028	98 2		115.50 117	107.47 115	0.08 96 63	0.06 100 30	0.90 102 64	0.23 106 69	-0.91 90 81	6.76 116 65	3.96 119 17	1.27 114 19	0	0.13 102 56	0.04 96 58	0.12 101 29
				Future Key :		6	6	5	5	5	6	4	6	7	6		5	5	5
15	2157 24 4045 107655417	1.59	2157 22 4061 2157 21 4058	101 3		113.87 116	112.66 116	0.61 102 63	-0.04 97 31	0.73 100 64	0.59 121 71	-0.47 96 82	10.12 126 67	1.77 108 20	0.44 103 23	1	0.50 120 56	0.52 115 58	0.26 109 23
				Future Key :		6	6	5	5	5	7	5	7	6	5		7	6	6
Top Flock Ewes (with known parents) Average:						130.22	125.68	0.42	-0.06	0.49	0.35	-1.08	4.89	2.34	0.72		0.24	0.20	0.17

Top 15 EPI Ewes



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future Values with accuracy below 5% are not printed

Ewes with weaning weight and an EPI value, older than 12 months and both parents known.

Animal Information		Parents				Progeny		Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal		
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Dams		Generation Prog Weaned	1st	2nd	REV-R	REV	Weaning Weight		Body Weight	CFW	FD	SL	NLW	TWW	EPI	WOOL	CONF	COND
			EPI	Times Lamb						Dir	Mat										
		Active Breed Average :					31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12	
1	2157 19 8009 85876308	1.46	2157 16 9909 2157 16 8085	114 3	7		30.53 100	22.04 98	0.82 104 74	0.41 110 58	1.72 108 73	0.35 111 78	0.85 113 86	1.02 100 75	5.76 127 42	1.63 119 47	126 5	0.02 97 66	0.44 111 67	0.37 115 30	
		Future Key :					5	5	5	6	6	6	6	6	5	7	7		5	6	6
2	2157 19 4010 85874956	1.46	2157 17 3019 2157 16 4079	100 3	7		67.27 107	57.96 105	1.61 114 85	-0.14 94 81	1.79 108 84	0.42 114 86	0.27 105 90	0.65 99 85	7.81 137 78	1.76 121 79	124 5	-0.21 86 82	-0.17 88 83	0.19 105 78	
		Future Key :					6	5	6	5	6	6	6	5	8	7		4	4	5	
3	2157 19 2112 85870889	1.08	2157 17 3037 2157 14 2030	136 5	7		24.03 99	11.40 96	1.47 112 84	0.08 100 79	1.65 107 84	0.53 119 86	2.62 135 90	9.59 125 85	4.72 122 76	2.01 125 77	124 5	0.22 107 81	0.04 96 82	0.05 97 74	
		Future Key :					5	5	6	5	6	7	8	7	7	7		6	5	5	
4	2157 19 8047 85878247	1.74	2157 16 7030 2157 17 8018	122 5	7		45.00 103	48.79 103	1.55 113 72	0.20 104 56	1.96 110 74	-0.24 87 80	-0.93 90 88	2.52 104 77	1.61 107 43	0.49 104 48	122 5	0.11 101 66	0.31 106 68	0.27 109 12	
		Future Key :					5	5	6	5	6	4	4	5	6	5		5	6	6	
5	2157 19 2064 85872166	1.94	2157 17 7010 2157 15 2068	134 5	7	1	20.03 98	21.59 98	0.06 96 75	-0.22 92 62	0.23 96 74	-0.15 90 79	-0.52 95 86	6.06 114 76	0.71 103 50	-0.04 97 55	122 5	-0.06 93 67	-0.19 87 68	0.05 97 48	
		Future Key :					5	5	5	4	5	4	5	6	5	5		4	4	5	
6	2157 19 7055 85871564	1.37	2157 17 3007 2157 14 7021	139 5	7	2	35.72 101	24.16 98	1.30 110 84	0.70 119 79	2.44 113 83	0.49 117 86	2.20 130 90	15.91 143 85	8.19 139 76	2.25 128 77	122 5	0.61 125 81	0.69 121 81	0.38 115 73	
		Future Key :					5	5	6	7	6	6	8	9	8	7		7	7	6	
7	2157 19 9935 85876977	1.46	2157 17 3019 2157 16 9973	93 2	6		42.92 102	32.92 100	1.64 114 69	0.21 104 56	2.08 111 70	0.32 110 77	0.70 111 86	3.97 108 74	5.87 128 42	1.95 124 47	121 5	0.39 115 64	0.39 109 66	0.49 121 39	
		Future Key :					5	5	6	5	6	6	6	6	6	7	7		6	6	7

Top 15 EPI Ewes



Genotyped

*Inbreeding in red is high

FV - Future Value

Indices in top 10%
Above breed average
Indices in bottom 10%

Acc: Accuracy of the Future Value
Future Values with accuracy below 5% are not printed

Ewes with weaning weight and an EPI value, older than 12 months and both parents known.

Animal Information		Parents			Progeny		Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal			
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Dams		Generation Prog Weaned	1st	2nd	REV-R	REV	Weaning Weight		Body Weight	CFW	FD	SL	NLW	TWW	EPI	WOOL	CONF	COND
			EPI	Times Lamb				FV Index	FV Index	Dir	Mat										
Active Breed Average :								31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
8	2157 19 5030 85872901	0.56	1864 16 0212 2157 15 5067	107 3	5			-35.93 87	-33.78 87	2.12 119 72	0.02 99 59	1.08 103 73	0.18 104 79	1.45 121 86	1.17 100 75	-4.28 79 48	0.21 100 53	118 4	-0.07 93 65	0.48 113 67	0.42 117 27
Future Key :								4	4	7	5	5	5	7	5	3	5		4	6	7
9	2157 19 4079 85870293	1.24	2157 17 4014 2157 13 4051	109 4	6			-42.32 86	-53.08 83	-0.10 94 69	-0.41 86 52	-2.19 78 69	-0.10 93 76	0.73 111 85	1.47 101 71	0.44 102 37	0.17 100 42	117 5	-0.14 89 60	-0.30 83 62	-0.20 83 9
Future Key :								4	4	5	4	3	4	6	5	5	5		4	4	4
10	2157 19 9987 85876993	1.46	2157 16 9909 2157 16 9974	137 4	5			35.65 101	29.21 99	1.37 111 70	0.15 102 55	2.35 113 70	0.52 118 76	1.44 120 85	6.27 115 72	2.83 113 41	1.67 120 46	117 4	-0.19 87 61	0.23 103 63	0.25 108 12
Future Key :								5	5	6	5	6	7	7	6	6	7		4	5	6
11	2157 19 9982 85871986	2.19	2157 17 4014 2157 14 9925	120 5	6			-61.05 82	-65.91 80	0.05 96 72	-0.09 95 55	-1.46 83 72	-0.40 80 78	0.17 104 86	-3.73 86 74	0.36 101 42	-0.11 96 48	116 5	-0.10 91 62	-0.10 91 64	0.02 96 21
Future Key :								4	3	5	5	4	3	5	4	5	5		4	4	5
12	2157 20 4058 90836941	1.43	2157 18 9014 2157 14 4064	118 3	6	1		-22.28 89	-27.82 88	-0.12 94 70	0.29 107 51	-0.69 89 71	0.21 105 77	1.19 117 86	2.43 104 73	3.69 117 32	0.26 101 37	116 5	-0.20 86 50	0.00 94 52	0.16 103 13
Future Key :								4	4	5	6	4	6	6	5	6	5		4	5	5
13	2157 21 6027 92757822	1.56	2157 19 7015 2157 18 6021	92 1	4			-56.40 83	-62.24 81	1.50 112 64	0.05 99 45	2.10 111 66	-0.45 78 74	0.63 110 84	-3.05 88 70	5.18 124 28	1.54 118 33	116 3	-0.16 88 59	0.11 99 62	0.20 106 21
Future Key :								4	3	6	5	6	3	6	4	7	7		4	5	6
14	2157 20 8052 90845223	1.17	2157 17 3019 2157 18 8094	121 5	5			-36.65 87	-44.22 85	1.10 108 72	0.50 113 57	2.06 110 74	-0.12 92 79	1.25 118 87	0.34 98 76	5.42 126 43	1.68 120 49	113 4	0.19 105 63	0.16 100 65	0.21 106 39
Future Key :								4	4	6	6	6	4	7	5	7	7		5	5	6

Top 15 EPI Ewes



Genotyped

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Ewes with weaning weight and an EPI value, older than 12 months and both parents known.

Animal Information		Parents		Progeny		Selection Indices		Future Values - Weights			Future Values - Wool			Future Val - Fertility			Future Val - Appraisal		
Animal ID Regnr	% In- breeding	Sire ID Dam ID	Dams EPI Times Lamb	Generation Prog Weaned		REV-R FV Index	REV FV Index	Weaning Weight		Body Weight	CFW FV Index Acc	FD FV Index Acc	SL FV Index Acc	NLW FV Index Acc	TWW FV Index Acc	EPI Times Lamb	WOOL FV Index Acc	CONF FV Index Acc	COND FV Index Acc
				1st	2nd			Dir FV Index Acc	Mat FV Index Acc										
		Active Breed Average :				31.62	32.34	0.44	0.07	0.70	0.08	-0.15	1.14	0.14	0.21		0.10	0.17	0.12
15	2157 19 5087 85877702	3.46	2157 16 3009 2157 17 5075	91 4	5 1	-46.03	-62.43	-0.27	0.38	0.05	-0.39	0.95	9.38	3.05	1.76	112	0.27	0.29	0.26
						85	81	92 74	109 57	95 75	80 80	114 87	124 77	114 46	121 52	4	109 69	106 70	109 16
					Future Key :	4	3	4	6	5	3	6	7	6	7		6	6	6
Top Flock Ewes (with known parents) Average:						0.03	-6.76	0.94	0.14	1.01	0.08	0.87	3.60	3.42	1.15		0.04	0.16	0.21

SINGLE-GENE STATUS OF GENOTYPED ANIMALS

0 = Doesn't carry the gene; 1 = Carries one copy of the gene; 2 = Carries both copies of the gene; - not available

Animal ID	Homozyg (%)	Polled/ Horned	DGAT1	Booroola	Lacuane Locus	FABP4	Dubbe Muscling	Yellow Fat	Batten's Disease	Callipyge	McArdle Syndrome	Scrapie	Lentivirus Resistance
EWES													
2157 19 2112	2.26	PH Polled	1	0	-	0	0	0	0	0	0	VRQ/ARR R4	KK R1
2157 19 2161	2.54	PP Polled	-	0	-	0	0	0	0	0	0	ARQ/ARQ R3	EE R3
2157 19 4010	2.71	PH Polled	0	0	-	0	0	0	0	0	0	ARQ/ARQ R3	EE R3
2157 19 5004	2.38	HH Horns	0	0	-	0	0	0	0	0	0	ARR/ARR R1	EK R2
2157 19 7055	2.15	PH Polled	0	0	-	0	0	0	0	0	0	ARQ/ARR R2	EK R2
2157 19 7763	2.08	PH Polled	0	0	-	0	0	0	0	0	0	AHQ/ARR R2	KK R1
2157 19 8108	2.52	HH Horns	0	0	-	0	0	0	0	0	0	ARQ/ARR R2	EK R2
2157 20 1092	1.87	HH Horns	0	0	-	0	0	0	0	0	0	AHQ/ARR R2	KK R1
2157 20 5121	2.23	PH Polled	0	0	-	0	0	0	0	0	0	ARQ/ARR R2	EK R2
2157 20 7767	3.04	PH Polled	0	0	-	0	0	0	0	0	0	NA NA	EK R2
2157 21 5136	2.19	PH Polled	0	0	-	0	0	0	0	0	0	ARQ/ARQ R3	KK R1

SINGLE-GENE STATUS OF GENOTYPED ANIMALS

0 = Doesn't carry the gene; 1 = Carries one copy of the gene; 2 = Carries both copies of the gene; - not available

Animal ID	Homozyg (%)	Polled/Horned	DGAT1	Booroola	Lacuane Locus	FABP4	Dubbe Muscling	Yellow Fat	Batten's Disease	Callipyge	McArdle Syndrome	Scrapie	Lentivirus Resistance
EWES													
2157 21 7028	2.77	HH Horns	0	0	-	0	0	0	0	0	0	ARQ/ARR R2	KK R1
RAMS													
2157 17 3019	10.57	HH Horns	0	0	0	0	0	0	0	0	0	ARQ/ARQ R3	EK R2
2157 17 7010	8.27	PH Polled	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	KK R1
2157 20 1051	8.81	PH Polled	0	0	0	0	0	0	0	0	0	ARR/ARR R1	KK R1
2157 20 5035	8.76	HH Horns	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	EK R2
2157 20 5067	7.76	HH Horns	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	KK R1
2157 20 5098	8.24	PH Polled	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	EK R2
2157 21 2117	8.77	HH Horns	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	KK R1
2157 21 3018	8.72	HH Horns	0	0	0	0	0	0	0	0	0	ARQ/ARQ R3	EK R2
2157 21 8077	10.37	PH Polled	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	EK R2
2157 21 9046	7.79	PP Polled	0	0	0	0	0	0	0	0	0	ARQ/ARR R2	KK R1

Scrapie Resistance Levels

R1 = Highly Resistant.
R2 = Resistant. Be careful when breeding with the animal.
R3 = Slightly Resistant. Be very careful when breeding with the animal.
R4 = Susceptible. Animal should not be used for breeding.
R5 = Highly Susceptible. Animal should not be used for breeding.

Lentivirus Resistance Levels

R1 = Resistant.
R2 = Moderately Resistant.
R3 = Susceptible.

Recognition is given to GADI and the Western Cape Department of Agriculture for making their genotypes available which enabled the development of a Genomic Breed Evaluation for the Merino.