

# Dohne Merino Genetic Analysis

SA Stud Book

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TRIPLE M ESTATES PTY LTD

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October 2029



# Information

This Report gives a summary of the genetic levels of the flock with regards to production and fertility. Breeders can easily see if genetic progress occurred in their flocks.

## EBV (Estimated Breeding Value)

The breeding value indicates an animal's genetic ability for a specific trait. It is indicated in the unit of measurement and relative to that of an average animal born in the base year, i.e. five years ago. A higher breeding value is desirable for all traits, except Fibre Diameter (thinner fibres are better), AFL (early sexual maturity) and ILP (easy conceptions – shorter Interlambing Periods).

## EBVi (EBVindex)

The base of a breeding value index is 100, where 100 is the average of the active animals in the breed. Values above 100 are always in the more desirable direction, also for AFL (early sexual maturity) and ILP (shorter intervals). However, for FD values below 100 indicate thinner (more desirable) fibres.

## Selection Indices

This is the combination of breeding values into a single value. It indicates of the genetic value of the combined traits of the animal with regards to the breed. Traits cannot simply be summed, as they are expressed in different units, their genetic variation differ and because negative values are more desirable for certain traits. Traits are also weighted differently according to economic importance. All these factors are taken into account when selection indices are constructed. The selection indices currently available for the Dohne Merino breed, is the General Merit (GM) and the within-test-group selection index (SIP). The GM and SIP indices are only published for animals with wean and wool measurements.

## General Merit (GM)

$$GM = (EBV \text{ BWeight} * 2.30) + (EBV \text{ CFW} * 22.0) + (EBV \text{ FD} * -5.0) + (EBV \text{ TWW} * 5.0)$$

## Within-Test-Group Selection Index (SIP)

$$SIP = (GM_{dier} / \text{Average GM of wool contemporary group}) * 100$$

This is a lifetime value for the animal, allocated on the basis of the animal's own measurements. This value is not updated when the animal's EBVs are estimated more accurately due to the inclusion of progeny and other relatives' information in the Genetic Evaluation.

## Genetic Windows and Averages

The flock's average genetic levels are compared to the active breed average, where active breed average is set to 100.

## Genetic Trends

The Genetic Trends indicate the genetic changes that occurred in the flock over time in comparison to that of the breed. This is based only on the animals that were measured for the relevant trait.

## Inbreeding

The average inbreeding of the flock per year of birth is compared to that of the breed. Inbreeding levels should stay below 6.25% and rate of inbreeding less than 0.1-0.2% per year to maintain genetic diversity.

The active population is defined as the lambs born in the last 36 months and their parents, regardless if they were measured for the trait or not, excluding the animals that are already cancelled on Logix.

## Abbreviations

|      |                              |
|------|------------------------------|
| WnD: | Weaning Weight Direct        |
| WnM  | Weaning Weight Maternal      |
| BW:  | Body Weight                  |
| CFW: | Clean Fleece Weight          |
| FD:  | Fibre Diameter               |
| SL:  | Staple Length                |
| AFL: | Age First Lambing            |
| ILP: | Interlambing Period          |
| NLW: | Number of Lambs Weaned       |
| TWW: | Total Weight of Lambs Weaned |

*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.*

# Genetic Windows

## Average Breeding Value Indices (EBVi)

(Lambs born in the last 36 months and their parents)

Number:

### Genetic Linkage

(Based on the youngest measured generation)

| Level | Nr of Link Rams |
|-------|-----------------|
|       |                 |

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 linkages within the breed.

130  
120  
110  
100  
90  
80  
70

| Abbr. | Trait                             | Interpretation of Index |               |
|-------|-----------------------------------|-------------------------|---------------|
|       |                                   | <100 (Worse)            | >100 (Better) |
| WnD   | Weaning Weight Direct             | Lighter                 | Heavier       |
| WnM   | Weaning Weight Maternal           | Less                    | More          |
| BW    | Body Weight                       | Lighter                 | Heavier       |
| CFW   | Clean Fleece Weight               | Less                    | More          |
| FD    | Fibre Diameter                    | Thinner                 | Thicker       |
| SL    | Staple Length                     | Shorter                 | Longer        |
| AFL   | Age at First Lambing              | Later                   | Earlier       |
| ILP   | Interlambing Period               | Longer                  | Shorter       |
| NLW   | Number of Lambs Weaned            | Less                    | More          |
| TWW   | Total Weight of Lambs Weaned      | Lighter                 | Heavier       |
| AM    | General Merit                     | Poor                    | Good          |
| SIP   | Within-Test Group Selection Index | Poor                    | Good          |

\* The Genetic Windows provide a quick overview of the flock's genetic status compared to the breed.

\* The values presented here are the average breeding value indices and selection indices of all the lambs born in the past 36 months and their parents in the flock compared to the breed.

\* An index of 100 equals the average of the lambs born in the past 36 months and their parents in the breed.

\* The breeding value indices for AFL and ILP are expressed in such a way that an index above 100 indicates the better animals, thus the animals with a genetic ability for a short AFL and ILP. See accompanying table for interpretation of other Indices.

# Genetic Windows

## Sires of lambs born in the last 36 months

Number :

130  
120  
110  
100  
90  
80  
70

## Dams of lambs born in the last 36 months

Number :

130  
120  
110  
100  
90  
80  
70

## Lambs born in the last 36 months

Number :

130  
120  
110  
100  
90  
80  
70



# Average Genetic Levels

## Average Breeding Values

Averages of all lambs born in the last 36 months and their parents

| Trait                                        | Flock  |        |        | Breed  |       |       |
|----------------------------------------------|--------|--------|--------|--------|-------|-------|
|                                              | All    | Rams   | Ewes   | All    | Rams  | Ewe   |
| <b>Breeding Values for Production Traits</b> |        |        |        |        |       |       |
| Weaning Weight Direct                        | -0.53  | -0.20  | -0.64  | 0.73   | 0.87  | 0.65  |
| Weaning Weight Mat                           | -0.12  | -0.24  | -0.08  | -0.06  | -0.08 | -0.04 |
| Body Weight                                  | -0.05  | 0.06   | -0.13  | 0.97   | 1.38  | 0.79  |
| Clean Fleece Weight                          | 0.00   | -0.01  | 0.01   | 0.07   | 0.11  | 0.06  |
| Fibre Diameter                               | -0.06  | -0.08  | -0.06  | -0.14  | -0.22 | -0.11 |
| Staple Length                                | 1.60   | 1.58   | 1.62   | 0.90   | 1.19  | 0.77  |
| <b>Breeding Values for Fertility</b>         |        |        |        |        |       |       |
| Age First Lambing                            | -12.48 | -13.97 | -11.49 | 2.07   | 2.66  | 1.71  |
| Interlambing Period                          | -2.56  | -2.79  | -2.40  | 0.42   | 0.55  | 0.33  |
| Lambs Weaned                                 | 0.22   | 0.35   | 0.18   | 0.39   | 0.50  | 0.32  |
| Total Weight Weaned                          | 0.06   | 0.07   | 0.05   | 0.19   | 0.22  | 0.16  |
| <b>Selection Indices</b>                     |        |        |        |        |       |       |
| General Merit Index                          |        |        |        | 3.97   | 5.66  | 3.25  |
| SIP                                          |        |        |        | 100.6  | 100.3 | 100.7 |
| <b>Inbreeding</b>                            |        |        |        |        |       |       |
| Inbreeding (%)                               | 1.87   | 1.93   | 1.85   | 2.91   | 3.08  | 2.82  |
| <b>Number of Animals</b>                     |        |        |        |        |       |       |
| Number of Animals                            | 196    | 44     | 152    | 129191 | 48178 | 81013 |

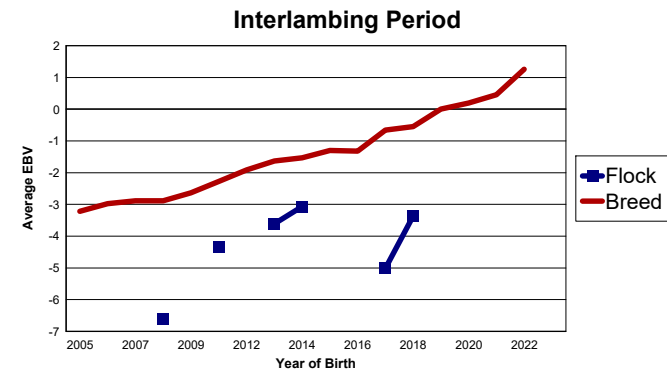
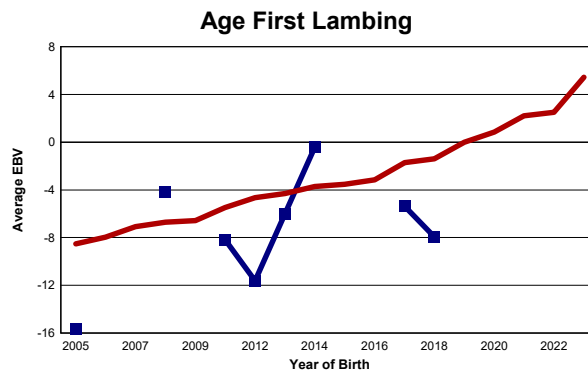
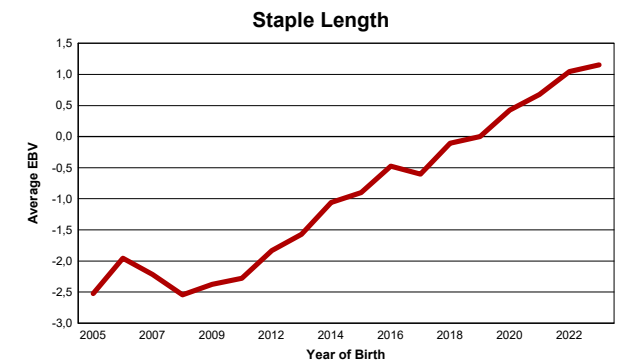
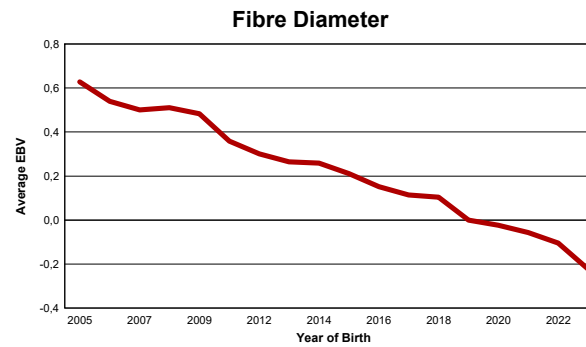
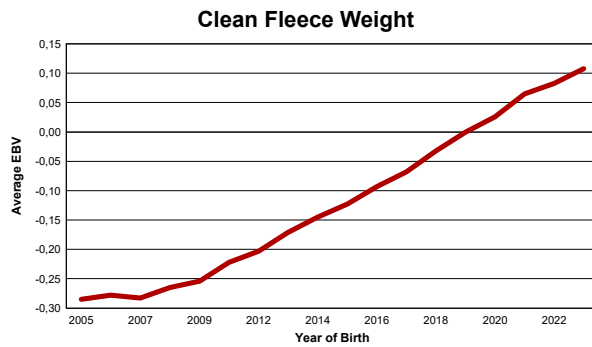
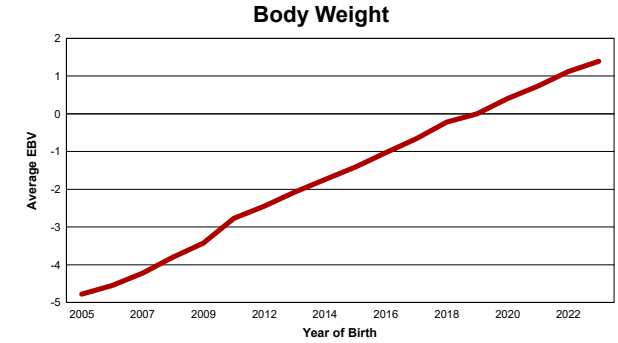
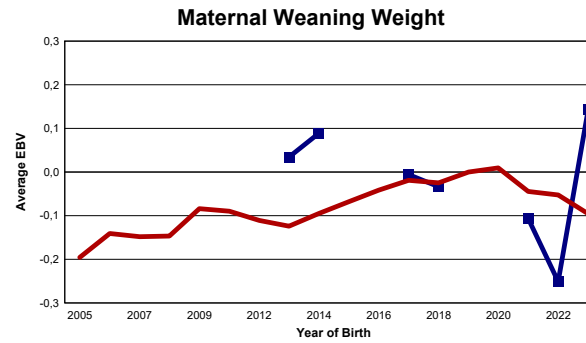
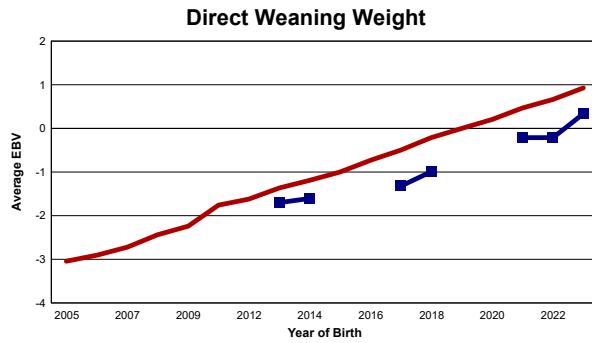
## Average Breeding Value Indices

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

| Trait                                               | Flock |       |       |
|-----------------------------------------------------|-------|-------|-------|
|                                                     | All   | Rams  | Ewes  |
| <b>Breeding value Indices for Production Traits</b> |       |       |       |
| Weaning Weight Direct                               | 88.2  | 91.3  | 87.2  |
| Weaning Weight Mat                                  | 98.7  | 96.3  | 99.5  |
| Body Weight                                         | 93.5  | 94.3  | 93.1  |
| Clean Fleece Weight                                 | 95.8  | 95.2  | 96.2  |
| Fibre Diameter                                      | 101.2 | 101.0 | 101.3 |
| Staple Length                                       | 101.8 | 101.7 | 101.8 |
| <b>Breeding Value Indices for Fertility</b>         |       |       |       |
| Age First Lambing                                   | 115.9 | 117.6 | 114.9 |
| Interlambing Period                                 | 109.9 | 110.7 | 109.3 |
| Lambs Weaned                                        | 99.4  | 99.8  | 99.2  |
| Total Weight Weaned                                 | 98.4  | 98.5  | 98.4  |
| <b>Selectopn Indices</b>                            |       |       |       |
| General Merit Index                                 |       |       |       |
| SIP                                                 |       |       |       |
| <b>Inbreeding</b>                                   |       |       |       |
| Inbreeding (%)                                      | 1.87  | 1.93  | 1.85  |
| <b>Number of Animals</b>                            |       |       |       |
| Number of Animals                                   | 196   | 44    | 152   |

# Genetic Trends

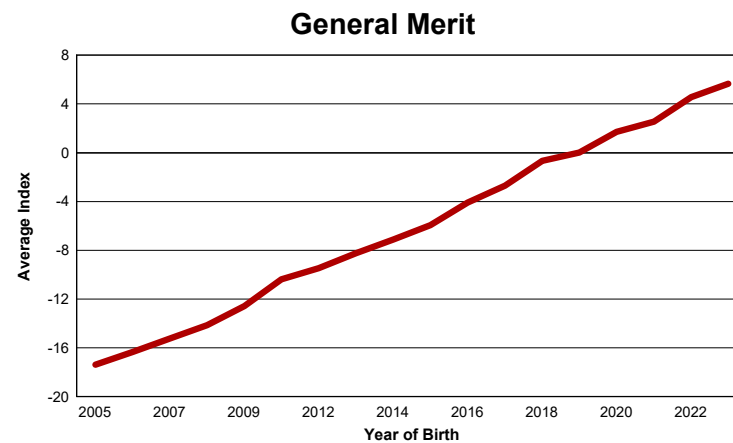
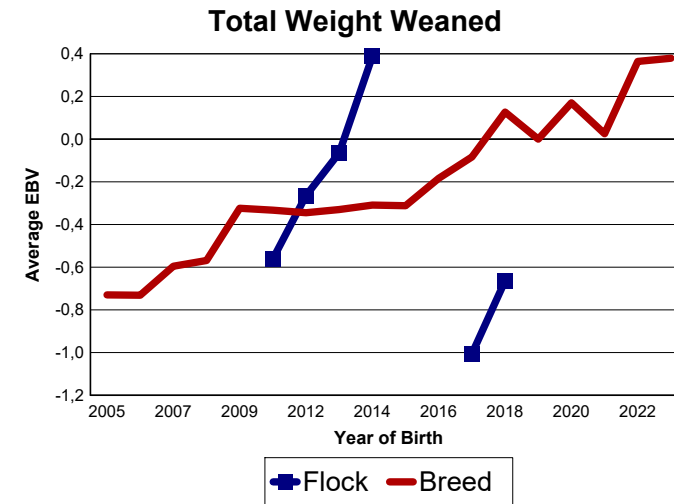
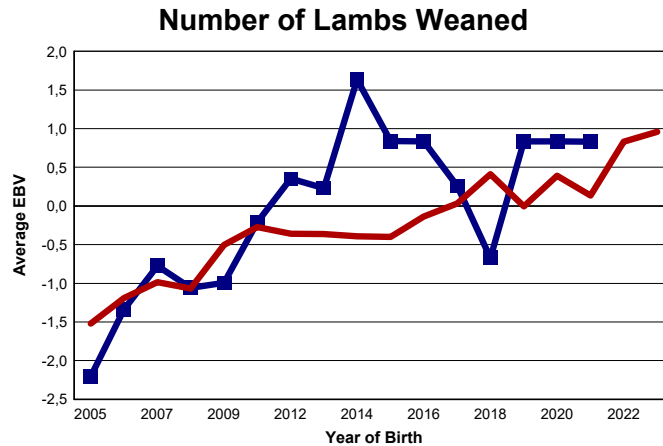
Average breeding value per year of birth for animals in the breed and flock. Genetic trends are based on measured animals that were bred by the relevant breeder.



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

# Genetic Trends: Fertility Traits

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



# Genetic Trends: Breed and Flock

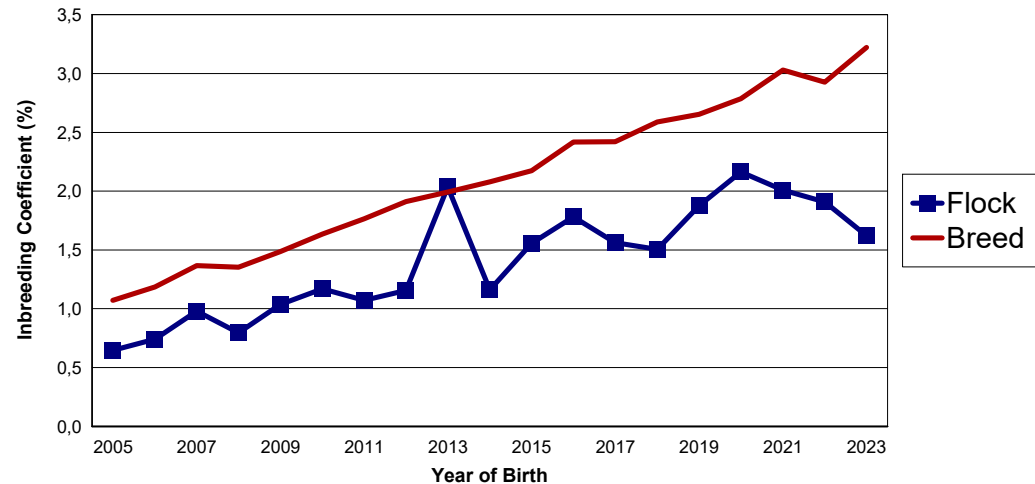
Average breeding value per year of birth for animals in the breed and flock. Genetic trends are based on measured animals that were bred by the relevant breeder.

| Genetic Trends of Breed |                |       |       |             |       |       |       |       |       |       |       |      |       |      |       |      |       |      |       |               |       |
|-------------------------|----------------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|---------------|-------|
| Birth Year              | Weaning Weight |       |       | Body Weight |       | CFW   |       | FD    |       | SL    |       | AFL  |       | ILP  |       | NLW  |       | TWW  |       | General Merit |       |
|                         | Nr             | Dir   | Mat   | NrI         | EBV   | Nr    | EBV   | Nr    | EBV   | Nr    | EBV   | Nr   | EBV   | Nr   | EBV   | Nr   | EBV   | Nr   | EBV   | Nr            | Ind   |
| 2013                    | 34100          | -1.37 | -0.12 | 24445       | -2.08 | 24352 | -0.17 | 24384 | 0.27  | 24249 | -1.57 | 7158 | -4.31 | 5525 | -1.63 | 8758 | -0.36 | 7244 | -0.33 | 25478         | -8.23 |
| 2014                    | 34600          | -1.19 | -0.10 | 23613       | -1.74 | 23477 | -0.15 | 23511 | 0.26  | 23404 | -1.06 | 6513 | -3.71 | 4764 | -1.53 | 8149 | -0.39 | 6758 | -0.31 | 25195         | -7.12 |
| 2015                    | 36007          | -1.00 | -0.07 | 25062       | -1.41 | 24975 | -0.12 | 24990 | 0.21  | 24511 | -0.90 | 6856 | -3.53 | 5313 | -1.30 | 8627 | -0.40 | 7109 | -0.31 | 26207         | -5.94 |
| 2016                    | 33762          | -0.73 | -0.04 | 24799       | -1.03 | 24614 | -0.09 | 24664 | 0.15  | 24080 | -0.47 | 7054 | -3.16 | 5449 | -1.32 | 8680 | -0.14 | 7291 | -0.18 | 25836         | -4.10 |
| 2017                    | 33408          | -0.50 | -0.02 | 24007       | -0.66 | 23924 | -0.07 | 23948 | 0.11  | 23487 | -0.61 | 7125 | -1.71 | 5498 | -0.66 | 9134 | 0.03  | 7018 | -0.08 | 24328         | -2.71 |
| 2018                    | 34871          | -0.22 | -0.03 | 24937       | -0.22 | 24790 | -0.03 | 24808 | 0.10  | 24088 | -0.10 | 7421 | -1.40 | 5762 | -0.54 | 8652 | 0.41  | 7394 | 0.13  | 25402         | -0.67 |
| 2019                    | 34833          | 0.00  | 0.00  | 25157       | 0.00  | 25034 | 0.00  | 25045 | 0.00  | 24985 | 0.00  | 7016 | 0.00  | 5314 | 0.00  | 8389 | 0.00  | 6940 | 0.00  | 25370         | 0.01  |
| 2020                    | 35033          | 0.20  | 0.01  | 24235       | 0.40  | 24299 | 0.03  | 24311 | -0.02 | 24213 | 0.43  | 6549 | 0.86  | 4640 | 0.20  | 8580 | 0.39  | 6438 | 0.17  | 24154         | 1.72  |
| 2021                    | 33755          | 0.46  | -0.05 | 23313       | 0.73  | 23202 | 0.07  | 23219 | -0.06 | 23158 | 0.68  | 6171 | 2.22  | 3835 | 0.46  | 7776 | 0.13  | 5871 | 0.03  | 23178         | 2.54  |
| 2022                    | 32968          | 0.67  | -0.05 | 22210       | 1.12  | 22118 | 0.08  | 22139 | -0.11 | 22044 | 1.05  | 5047 | 2.51  | 549  | 1.26  | 5641 | 0.83  | 4088 | 0.36  | 22074         | 4.56  |
| 2023                    | 32957          | 0.93  | -0.10 | 21025       | 1.40  | 20959 | 0.11  | 20971 | -0.22 | 20934 | 1.15  | 725  | 5.45  |      |       | 562  | 0.96  | 515  | 0.38  | 20929         | 5.65  |
| 2024                    | 27113          | 1.08  | -0.03 | 4956        | 2.29  | 4945  | 0.14  | 4947  | -0.46 | 4946  | 1.90  |      |       |      |       | 5    | 0.83  |      |       | 4945          | 9.27  |

| Genetic Trends of Flock |                |       |       |             |     |     |     |    |     |    |       |     |       |     |       |     |       |        |     |               |     |
|-------------------------|----------------|-------|-------|-------------|-----|-----|-----|----|-----|----|-------|-----|-------|-----|-------|-----|-------|--------|-----|---------------|-----|
| Birth Year              | Weaning Weight |       |       | Body Weight |     | CFW |     | FD |     | SL |       | AFL |       | ILP |       | NLW |       | TWW    |     | General Merit |     |
|                         | Nr             | Dir   | Mat   | Nr          | EBV | Nr  | EBV | Nr | EBV | Nr | EBV   | Nr  | EBV   | Nr  | EBV   | Nr  | EBV   | Aantal | EBV | Nr            | EBV |
| 2013                    | 157            | -1.70 | 0.03  |             |     |     |     |    |     | 9  | -6.00 | 3   | -3.61 | 31  | 0.23  | 24  | -0.07 |        |     |               |     |
| 2014                    | 162            | -1.61 | 0.09  |             |     |     |     |    |     | 11 | -0.42 | 4   | -3.07 | 12  | 1.63  | 11  | 0.39  |        |     |               |     |
| 2015                    |                |       |       |             |     |     |     |    |     |    |       |     |       | 106 | 0.84  |     |       |        |     |               |     |
| 2016                    |                |       |       |             |     |     |     |    |     |    |       |     |       | 33  | 0.83  |     |       |        |     |               |     |
| 2017                    | 173            | -1.32 | -0.01 |             |     |     |     |    |     | 1  | -5.36 | 1   | -5.02 | 13  | 0.26  | 2   | -1.01 |        |     |               |     |
| 2018                    | 65             | -0.99 | -0.03 |             |     |     |     |    |     | 7  | -7.94 | 3   | -3.37 | 13  | -0.67 | 7   | -0.66 |        |     |               |     |
| 2019                    |                |       |       |             |     |     |     |    |     |    |       |     |       |     |       |     |       |        |     |               |     |
| 2020                    |                |       |       |             |     |     |     |    |     |    |       |     |       |     |       |     |       |        |     |               |     |
| 2021                    | 116            | -0.21 | -0.11 |             |     |     |     |    |     |    |       |     |       |     |       |     |       |        |     |               |     |
| 2022                    | 106            | -0.22 | -0.25 |             |     |     |     |    |     |    |       |     |       |     |       |     |       |        |     |               |     |
| 2023                    | 1              | 0.34  | 0.14  |             |     |     |     |    |     |    |       |     |       |     |       |     |       |        |     |               |     |

# Inbreeding

## Inbreeding in Flock and Breed



## Pedigree Information

|             | Number | %  |
|-------------|--------|----|
| Known Sires | 107    | 55 |
| Known Dams  | 110    | 56 |

**Please Note : When pedigree information is incomplete, inbreeding is under-estimated.**

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 not to mate related animals.

Incomplete and incorrect pedigree information can be reported to SA Stud Book

## Inbreeding Level and Rate

| Year of Birth   | Level* (%) | Rate (% / year) |
|-----------------|------------|-----------------|
| 2005 - 2023     | 1.62       | 0.05            |
| Recommendations | < 6.25     | < 0.1 - 0.2     |

\*Of last birth year

## Percentiles of Breeding Values : All Active Animals

| Percentile | Wean Dir | Wean Mat | Body Weight | CFW   | FD    | SL     | NLW    | TWW   | AFL    | ILP    | Gen. Merit |
|------------|----------|----------|-------------|-------|-------|--------|--------|-------|--------|--------|------------|
| Gemid/Avg  | 0.63     | -0.05    | 0.93        | 0.08  | -0.15 | 1.00   | 0.42   | 0.19  | 2.08   | 0.47   | 3.78       |
| SA/SD      | 1.28     | 0.60     | 1.78        | 0.18  | 0.72  | 4.06   | 2.99   | 0.92  | -10.53 | -3.50  | 7.04       |
| MIN        | -4.75    | -3.20    | -8.81       | -0.72 | 3.17  | -18.65 | -19.14 | -5.61 | 70.68  | 20.89  | -26.86     |
| 1%         | -2.13    | -1.65    | -3.13       | -0.36 | 1.53  | -8.89  | -7.18  | -2.15 | 30.38  | 9.07   | -12.89     |
| 5%         | -1.38    | -1.07    | -1.89       | -0.22 | 0.99  | -5.76  | -4.46  | -1.35 | 18.20  | 5.98   | -7.37      |
| 10%        | -0.99    | -0.79    | -1.29       | -0.14 | 0.72  | -4.15  | -3.20  | -0.95 | 14.34  | 4.60   | -4.85      |
| 20%        | -0.48    | -0.49    | -0.57       | -0.06 | 0.44  | -2.28  | -1.82  | -0.50 | 10.00  | 3.06   | -2.10      |
| 30%        | -0.08    | -0.32    | -0.04       | 0.00  | 0.22  | -0.99  | -0.89  | -0.21 | 6.66   | 2.04   | -0.09      |
| 40%        | 0.26     | -0.17    | 0.43        | 0.05  | 0.05  | 0.02   | -0.09  | 0.03  | 3.94   | 1.20   | 1.81       |
| 50%        | 0.59     | -0.04    | 0.89        | 0.09  | -0.13 | 1.07   | 0.55   | 0.23  | 1.86   | 0.43   | 3.58       |
| 60%        | 0.93     | 0.09     | 1.35        | 0.13  | -0.30 | 1.99   | 0.90   | 0.33  | -0.33  | -0.17  | 5.41       |
| 70%        | 1.29     | 0.23     | 1.85        | 0.18  | -0.49 | 3.05   | 1.61   | 0.55  | -2.80  | -0.92  | 7.41       |
| 80%        | 1.71     | 0.41     | 2.43        | 0.23  | -0.74 | 4.17   | 2.58   | 0.86  | -5.30  | -1.97  | 9.84       |
| 90%        | 2.29     | 0.66     | 3.24        | 0.30  | -1.08 | 6.02   | 4.09   | 1.32  | -9.30  | -3.62  | 13.03      |
| 95%        | 2.78     | 0.90     | 3.92        | 0.37  | -1.37 | 7.66   | 5.40   | 1.73  | -13.96 | -5.28  | 15.52      |
| 99%        | 3.77     | 1.40     | 5.23        | 0.49  | -1.92 | 10.94  | 8.13   | 2.59  | -27.34 | -9.41  | 20.15      |
| MAX        | 6.11     | 2.50     | 8.78        | 0.92  | -3.55 | 20.57  | 16.22  | 5.10  | -44.01 | -17.81 | 32.99      |

SD = Standard Deviation = Indicates the spread around the average

## Percentiles of Indices : All Active Animals

| Percentile | Wean Dir | Wean Mat | Body Weight | CFW | FD  | SL  | NLW | TWW | AFB | ILP | Gen. Merit |
|------------|----------|----------|-------------|-----|-----|-----|-----|-----|-----|-----|------------|
| Gemid/Avg  | 100      | 100      | 100         | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100        |
| SA/SD      | 12       | 12       | 12          | 12  | 12  | 12  | 12  | 12  | 12  | 12  | 12         |
| MIN        | 49       | 38       | 38          | 52  | 150 | 50  | 26  | 28  | 24  | 32  | 49         |
| 1%         | 73       | 68       | 72          | 71  | 128 | 73  | 70  | 70  | 68  | 71  | 71         |
| 5%         | 81       | 80       | 81          | 80  | 120 | 80  | 81  | 80  | 82  | 81  | 80         |
| 10%        | 85       | 85       | 85          | 84  | 115 | 85  | 86  | 85  | 86  | 86  | 85         |
| 20%        | 90       | 91       | 90          | 90  | 110 | 90  | 91  | 91  | 91  | 91  | 90         |
| 30%        | 93       | 95       | 94          | 94  | 106 | 94  | 94  | 94  | 95  | 95  | 94         |
| 40%        | 97       | 98       | 97          | 97  | 103 | 97  | 97  | 98  | 98  | 98  | 97         |
| 50%        | 100      | 100      | 100         | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100        |
| 60%        | 103      | 103      | 103         | 103 | 97  | 103 | 103 | 103 | 103 | 102 | 103        |
| 70%        | 106      | 106      | 106         | 106 | 94  | 106 | 105 | 105 | 105 | 105 | 106        |
| 80%        | 110      | 109      | 110         | 110 | 90  | 110 | 109 | 109 | 108 | 108 | 110        |
| 90%        | 116      | 115      | 115         | 115 | 85  | 115 | 115 | 115 | 113 | 114 | 115        |
| 95%        | 120      | 119      | 120         | 119 | 80  | 120 | 120 | 120 | 118 | 120 | 119        |
| 99%        | 129      | 129      | 129         | 128 | 72  | 129 | 131 | 131 | 134 | 134 | 127        |
| MAX        | 150      | 150      | 150         | 150 | 48  | 150 | 160 | 160 | 150 | 160 | 148        |

# Rams with Progeny

\*Inbreeding in red is high

EBV - Estimated Breeding Value

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

Acc: Accuracy of the breeding values  
Breeding values with accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of lambs born in the past 36 months and their parents in the breed

| Animal Information          |                        | Parents & Progeny      |                          |              |                   |              | Selection Indices |      |       | EBV - Weights  |                |                | EBV - Wool     |                |                | EBV - Fertility |                |                |            | Rank  |     |
|-----------------------------|------------------------|------------------------|--------------------------|--------------|-------------------|--------------|-------------------|------|-------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|------------|-------|-----|
| Animal ID<br>Regnr          | % In-<br>brding        | Sire ID<br>Dam ID      | Wean                     |              | Wool test         |              | SIP               | GM   |       | Weaning<br>Dir |                | Weight<br>Mat  | Body<br>Weight | CFW            | FD             | SL              | NLW            | TWW            | DAM<br>EPI | Lambd |     |
|                             |                        |                        | Progeny<br>weaned        | Nr<br>flocks | Progeny<br>tested | Nr<br>flocks |                   | EBV  | Index | EBV            | Index          |                |                |                |                |                 |                |                |            |       |     |
|                             |                        | Active Breed Average : |                          |              |                   |              | 101               | 4.0  | 100   | 0.73           | -0.06          | 0.97           | 0.07           | -0.14          | 0.90           | 0.39            | 0.19           |                |            |       |     |
| 1                           | RA 16 0848<br>78318557 | 1.41                   | RA 14 0119<br>RA 14 1229 | 72           | 1                 |              | 112               | 0.53 | 94    | -0.24<br>93 91 | -0.24<br>60 96 | 0.24<br>69 95  | 0.05<br>66 99  | -1.02<br>76 87 | 3.87<br>71 108 | -4.02<br>44 83  | -1.25<br>44 82 | 87             | 1          | 4     |     |
| 2                           | RA 18 0021<br>82138678 | 2.29                   | RA 15 0830<br>EN 16 0023 | 94           | 2                 | 40           | 1                 | 101  | 6.66  | 104            | 0.59<br>94 99  | 1.15<br>73 124 | 3.67<br>90 117 | -0.43<br>89 70 | 0.48<br>93 110 | -5.16<br>91 84  | 6.45<br>54 123 | 2.50<br>54 129 | 134        | 5     | 113 |
| 3                           | RA 19 0314<br>85528099 | 4.13                   | RA 17 0208<br>RA 17 0439 | 76           | 2                 | 49           | 1                 | 112  | 4.00  | 100            | 0.55<br>93 98  | -1.69<br>69 68 | 0.00<br>91 94  | 0.26<br>90 112 | -1.29<br>94 83 | 7.88<br>92 118  | -5.28<br>52 78 | -1.37<br>52 81 | 117        | 6     | 9   |
| 4                           | RA 19 0351<br>85523165 | 2.50                   | RA 17 0208<br>EN 15 0231 | 52           | 1                 |              |                   | 111  | 3.65  | 100            | 1.17<br>91 104 | -0.96<br>58 82 | 0.77<br>70 99  | 0.22<br>70 109 | -0.28<br>76 98 | 4.83<br>72 110  | -0.11<br>43 98 | -0.63<br>43 90 | 102        | 4     | 14  |
| 5                           | RA 19 0432<br>85526762 | 3.37                   | RA 17 0217<br>RA 16 0742 | 14           | 1                 |              |                   | 108  | 7.84  | 106            | 0.88<br>82 101 | -0.30<br>54 95 | 2.62<br>71 111 | -0.10<br>69 90 | -0.39<br>78 96 | 5.88<br>73 113  | 5.63<br>41 120 | 0.99<br>41 110 | 171        | 7     | 34  |
| Rams with Progeny Average : |                        |                        |                          |              |                   |              | 109               | 4.5  | 101   | 0.59           | -0.41          | 1.46           | 0.00           | -0.50          | 3.46           | 0.53            | 0.05           |                |            |       |     |

# Young Rams

\*Inbreeding in red is high

EBV - Estimated Breeding Value

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

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

Young rams, born since 2020 with a weaning weight, and wool test, but no progeny, both parents known.

| Animal Information                        |                   | Parents                |        | Rank | Selection Indices |    | EBV - Weights  |     |                | EBV - Wool |    |    | EBV - Fertility |     |     |                |
|-------------------------------------------|-------------------|------------------------|--------|------|-------------------|----|----------------|-----|----------------|------------|----|----|-----------------|-----|-----|----------------|
| Animal ID<br>Regnr                        | % In-<br>breeding | Sire ID                | Dam ID |      | SIP               | GM | Weaning Weight |     | Body<br>Weight | CFW        | FD | SL | NLW             | TWW | EPI | DAM<br>Lambded |
|                                           |                   |                        |        |      |                   |    | EBV            | Mat |                |            |    |    |                 |     |     |                |
|                                           |                   | Active Breed Average : |        |      | 100               |    |                |     |                |            |    |    |                 |     |     |                |
| 1                                         |                   |                        |        |      |                   |    |                |     |                |            |    |    |                 |     |     |                |
| Young rams (with known parents) average : |                   |                        |        |      |                   |    |                |     |                |            |    |    |                 |     |     |                |

# Ewes with Progeny

\*Inbreeding in red is high

EBV - Estimated Breeding Value

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

Acc: Accuracy of the breeding values  
Breeding values with an accuracy of less than 5% are not printed

Ewes with progeny and measured at weaning, with both parents known.

| Animal Information          |                       | Parents                |                         |                | Progeny                      |       | Selection Indices |     |      | EBV - Weights  |                |                | EBV - Wool |       |      | EBV - Fertility    |                |       |                | Rank |
|-----------------------------|-----------------------|------------------------|-------------------------|----------------|------------------------------|-------|-------------------|-----|------|----------------|----------------|----------------|------------|-------|------|--------------------|----------------|-------|----------------|------|
| Animal ID<br>Regnr          | % In-<br>breeding     | Sire ID<br>Dam ID      | DAM :                   |                | Generation<br>Progeny Weaned | 1st   | 2nd               | SIP | GM   | Weaning<br>Dir | Weight<br>Mat  | Body<br>Weight | SVG        | VD    | SL   | Lammers<br>gespeen | TWW            | EPI   | Times<br>lambd |      |
|                             |                       |                        | EPI                     | Times<br>lambd |                              |       |                   |     |      |                |                |                |            |       |      |                    |                |       |                |      |
|                             |                       |                        | EBV                     | Index          |                              |       |                   | EBV | Acc  | Index          | Acc            | Index          | Acc        | Index | Acc  | Index              | Acc            | Index | Acc            |      |
|                             |                       | Active Breed Average : |                         |                |                              | 100.6 | 4.0               | 100 | 0.73 | -0.06          | 0.97           | 0.07           | -0.14      | 0.90  | 0.39 | 0.19               |                |       |                |      |
| 1                           | M 17 0072<br>82170853 | 1.56                   | B 12 0021<br>M 13 0529  | 122 2          | 2                            |       |                   |     |      | -0.11<br>67 92 | 0.35<br>55 108 | 88             | 84         | 104   | 88   | 0.75<br>34 101     | -0.52<br>34 91 | 111   | 2              |      |
| 2                           | M 17 0271<br>82171240 | 1.56                   | B 13 0064<br>M 14 0506  | 97 2           | 1                            |       |                   |     |      | -0.50<br>64 89 | 0.41<br>51 109 | 94             | 90         | 111   | 99   | -6.58<br>35 73     | -1.49<br>35 79 | 95    | 2              |      |
| 3                           | M 18 0154<br>83046581 | 1.56                   | B 13 0064<br>M 14 0507  | 111 2          | 2                            |       |                   |     |      | 0.14<br>67 95  | 0.75<br>57 116 | 99             | 89         | 111   | 99   | -7.25<br>38 71     | -1.45<br>37 80 | 112   | 2              |      |
| 4                           | M 18 0170<br>83046235 | 0.88                   | EN 16 0211<br>M 13 0060 | 112 2          | 1                            |       |                   |     |      | 0.41<br>66 97  | -0.11<br>49 99 | 91             | 84         | 108   | 112  | 0.26<br>32 100     | -0.14<br>32 96 | 92    | 2              |      |
| 5                           | M 18 0175<br>83046169 | 0.95                   | EN 16 0211<br>M 13 0018 | 99 1           | 2                            |       |                   |     |      | 0.25<br>67 96  | 0.05<br>53 102 | 90             | 85         | 108   | 109  | -1.05<br>33 95     | -0.62<br>33 90 | 105   | 2              |      |
| Ewes with progeny average : |                       |                        |                         |                |                              |       |                   |     |      | 0.04           | 0.29           |                |            |       |      | -2.78              | -0.84          |       |                |      |

# Young Ewes

\*Inbreeding in red is high

EBV - Estimated Breeding Value

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

Acc: Accuracy of the breeding values  
Breeding values with an accuracy of less than 5% are not

Ewes born since 2020 with a weaning weight and wool test, no progeny, with both parents known.

| Animal Information                        |                 | Parents                |              | Selection Indices |     | EBV - Weights |                |       |             | EBV - Wol |     |       | EBV - Fertility |       | Rank |       |
|-------------------------------------------|-----------------|------------------------|--------------|-------------------|-----|---------------|----------------|-------|-------------|-----------|-----|-------|-----------------|-------|------|-------|
| Animal ID<br>Regnr                        | % In-<br>brding | Sire ID<br>Dam ID      | DAM REPROD : |                   | SIP | GM            | Weaning Weight |       | Body Weight |           | CFW | FD    | SL              | NLW   | TWW  |       |
|                                           |                 |                        | EPI          | Times lambed      |     |               | Dir            | Mat   |             |           |     |       |                 |       |      |       |
|                                           |                 |                        |              |                   |     |               | EBV            |       | EBV         | EBV       | EBV | EBV   | EBV             | EBV   | EBV  |       |
|                                           |                 |                        |              |                   |     |               | Acc            | Index | Acc         | Index     | Acc | Index | Acc             | Index | Acc  | Index |
|                                           |                 | Active Breed Average : |              |                   |     | 100           |                |       |             |           |     |       |                 |       |      |       |
| 1                                         |                 |                        |              |                   |     |               |                |       |             |           |     |       |                 |       |      |       |
| Young Ewes (with known parents) average : |                 |                        |              |                   |     |               |                |       |             |           |     |       |                 |       |      |       |