

SELECTED RAM SALE

MONDAY
24th. OCTOBER, 2016

COOPWORTH

“THE SELF-REPLACING
SOLUTION”

RAM SALE PAVILION
HAMILTON SHOWGROUNDS



INSPECTION FROM 11.00 am
SALE COMMENCES 1.00 pm



Helmsman Selling System

Light Luncheon Available



HAMILTON
AARON MALSEED
Mobile 0407 782 286

3% REBATE FOR OUTSIDE AGENTS

| LOT | TAG | SIRE | BW | WWT | PWT | FAT | MUSCLE | MILK | GFW% | WEC% | NLW% | INDEX |
|--|------|---------------------------|-----|-----|------|------|--------|------|------|------|------|-------------|
| Account: J & B KEILLER, "CASHMORE PARK" | | | | | | | | | | | | |
| 1 | 3989 | CASHMORE OAKLEA 141743 | 0.8 | 9.7 | 15.5 | -0.2 | 0.3 | 1.0 | 0 | -33 | 12 | 140 |
| | | Purchaser | | | | | | | | | | Price |
| 2 | 3671 | CASHMORE OAKLEA 142429 | 0.4 | 6.4 | 11.3 | 0.6 | 1.4 | 0.7 | 11 | -46 | 17 | 140 |
| | | Purchaser | | | | | | | | | | Price |
| 3 | 3121 | CASHMORE OAKLEA 143200 | 0.6 | 8.2 | 12.9 | -1.0 | 0.3 | 0.7 | 5 | -35 | 16 | 139 |
| | | Purchaser | | | | | | | | | | Price |
| 4 | 2686 | CASHMORE OAKLEA 141743 | 0.4 | 8.0 | 13.8 | 0.4 | 1.0 | 0.3 | 5 | -46 | 14 | 139 |
| | | Purchaser | | | | | | | | | | Price |
| 5 | 2522 | CASHMORE OAKLEA 141752 | 0.4 | 7.0 | 12.6 | 1.0 | 2.3 | 0.5 | 12 | -30 | 12 | 138 |
| | | Purchaser | | | | | | | | | | Price |
| 6 | 3296 | CASHMORE OAKLEA 143200 | 0.3 | 7.3 | 12.1 | 0.2 | 2.4 | 0.7 | 14 | -33 | 12 | 138 |
| | | Purchaser | | | | | | | | | | Price |
| 7 | 2174 | CASHMORE OAKLEA 142429 | 0.5 | 7.4 | 11.9 | -0.2 | 0.7 | 0.1 | -2 | -38 | 17 | 137 |
| | | Purchaser | | | | | | | | | | Price |
| 8 | 2085 | CASHMORE OAKLEA 143200 | 0.5 | 7.4 | 12.4 | -0.4 | 1.3 | 0.2 | 5 | -26 | 13 | 136 |
| | | Purchaser | | | | | | | | | | Price |
| 9 | 2077 | CASHMORE OAKLEA 141752 | 0.5 | 7.4 | 13.1 | -0.2 | 1.0 | 0.2 | 8 | -51 | 11 | 136 |
| | | Purchaser | | | | | | | | | | Price |
| 10 | 3170 | CASHMORE OAKLEA 141743 | 0.4 | 7.1 | 11.7 | 0.1 | 0.0 | 1.1 | 9 | -51 | 14 | 135 |
| | | Purchaser | | | | | | | | | | Price |
| 11 | 2785 | CASHMORE OAKLEA 133480 | 0.5 | 8.0 | 13.3 | -1.1 | -0.2 | 0.3 | 9 | 35 | 19 | 136 |
| | | Purchaser | | | | | | | | | | Price |
| 12 | 2337 | CASHMORE OAKLEA 133480 | 0.5 | 8.7 | 14.4 | -0.5 | 1.2 | 0.4 | 9 | 33 | 11 | 136 |
| | | Purchaser | | | | | | | | | | Price |
| Account: D.W & I.A PEGLER, "OAKLEA" | | | | | | | | | | | | |
| 13 | 0927 | CASHMORE OAKLEA 140791 | 0.6 | 8.6 | 14.1 | -0.9 | 0.5 | 1.0 | 7 | -30 | 15 | 140 |
| | | Purchaser | | | | | | | | | | Price |
| 14 | 0160 | CASHMORE OAKLEA 133480 | 0.6 | 9.8 | 15.6 | -1.1 | 0.3 | 0.5 | 7 | -2 | 14 | 140 |
| | | Purchaser | | | | | | | | | | Price |
| 15 | 0944 | CASHMORE OAKLEA 140791 | 0.7 | 8.5 | 13.6 | -1.0 | -0.2 | 1.1 | 7 | -44 | 15 | 137 |
| | | Purchaser | | | | | | | | | | Price |
| 16 | 1366 | CASHMORE OAKLEA 140120 | 0.5 | 9.1 | 13.6 | -1.0 | 0.7 | 1.5 | 2 | -5 | 11 | 137 |
| | | Purchaser | | | | | | | | | | Price |
| 17 | 0640 | CASHMORE OAKLEA 130449 | 0.8 | 9.8 | 14.6 | -1.0 | 1.3 | 0.8 | 0 | -52 | 7 | 138 |
| | | Purchaser | | | | | | | | | | Price |
| 18 | 0618 | CASHMORE OAKLEA 130449 | 0.9 | 9.0 | 13.5 | -1.0 | 0.8 | 0.0 | 11 | -69 | 11 | 137 |
| | | Purchaser | | | | | | | | | | Price |
| 19 | 1124 | CASHMORE OAKLEA 130449 | 0.7 | 9.3 | 14.2 | -1.5 | 0.7 | -0.3 | 15 | -54 | 10 | 137 |
| | | Purchaser | | | | | | | | | | Price |
| 20 | 1012 | CASHMORE OAKLEA 110667 | 0.6 | 8.1 | 12.5 | -1.2 | -0.1 | -0.7 | 12 | -36 | 17 | 135 |
| | | Purchaser | | | | | | | | | | Price |
| 2015 DROP AVERAGE: | | | 0.6 | 6.6 | 9.6 | -0.5 | 0.3 | 0.2 | 14 | -19 | 5 | 121 |

| LOT | TAG | SIRE | BW | WWT | PWT | FAT | MUSCLE | MILK | GFW% | WEC% | NLW% | INDEX |
|--|------|---------------------------|-----|-----|------|------|--------|------|-------------|------|------|-------|
| Account: D.W & I.A PEGLER, "OAKLEA" | | | | | | | | | | | | |
| 21 | 1062 | CASHMORE OAKLEA 132031 | 0.4 | 7.0 | 12.0 | -0.4 | 0.4 | 1.3 | 11 | -31 | 12 | 135 |
| | | Purchaser | | | | | | | Price | | | |
| 22 | 0594 | CASHMORE OAKLEA 130449 | 0.7 | 7.8 | 12.8 | -1.3 | 0.1 | -0.3 | 5 | -46 | 14 | 135 |
| | | Purchaser | | | | | | | Price | | | |
| 23 | 0752 | CASHMORE OAKLEA 130449 | 0.7 | 9.3 | 13.8 | -1.2 | 0.7 | 1.0 | 17 | -55 | 6 | 135 |
| | | Purchaser | | | | | | | Price | | | |
| 24 | 1061 | CASHMORE OAKLEA 132031 | 0.5 | 7.0 | 11.8 | -0.7 | 0.3 | 1.3 | 9 | -25 | 11 | 134 |
| | | Purchaser | | | | | | | Price | | | |
| Account: T.J. JOHNSTON, "WARADGERY" | | | | | | | | | | | | |
| 25 | 055 | S W GENETICS 130906 | - | 7.8 | 11.3 | -0.6 | -0.1 | -0.6 | - | -31 | 19 | 135 |
| | | Purchaser | | | | | | | Price | | | |
| 26 | 024 | S W GENETICS 130906 | - | 7.9 | 11.4 | -0.7 | 0.1 | -0.3 | - | -19 | 16 | 134 |
| | | Purchaser | | | | | | | Price | | | |
| 27 | 081 | MARLOW 080144 | - | 8.0 | 11.7 | -0.6 | 0.0 | -1.1 | - | 24 | 19 | 133 |
| | | Purchaser | | | | | | | Price | | | |
| 28 | 056 | S W GENETICS 130906 | - | 7.4 | 10.7 | -0.6 | 0.3 | -0.6 | - | -14 | 19 | 132 |
| | | Purchaser | | | | | | | Price | | | |
| 29 | 049 | HINENUI 061218 | - | 8.4 | 11.7 | -0.3 | 0.3 | -0.7 | - | 78 | 21 | 132 |
| | | Purchaser | | | | | | | Price | | | |
| 30 | 0017 | MARLOW 080144 | - | 8.3 | 11.8 | -0.6 | 0.1 | -0.6 | - | 20 | 15 | 131 |
| | | Purchaser | | | | | | | Price | | | |
| 31 | 036 | MARLOW 080144 | - | 7.3 | 10.5 | -0.4 | 0.0 | -0.9 | - | 40 | 20 | 131 |
| | | Purchaser | | | | | | | Price | | | |
| 32 | 343 | WARADGERY 130071 | - | 7.7 | 11.9 | -0.5 | 0.0 | 0.2 | - | 21 | 12 | 130 |
| | | Purchaser | | | | | | | Price | | | |
| 33 | 059 | MARLOW 080144 | - | 6.7 | 9.9 | -0.1 | 0.0 | -1.3 | - | 21 | 21 | 130 |
| | | Purchaser | | | | | | | Price | | | |
| 34 | 077 | MARLOW 080144 | - | 6.4 | 9.6 | -0.1 | 0.0 | -0.6 | - | 14 | 19 | 130 |
| | | Purchaser | | | | | | | Price | | | |
| Account: T. LUBKE, "STRATHVIEW" | | | | | | | | | | | | |
| 35 | 350 | BOONERAH 130152 | 0.8 | 9.3 | 13.6 | 0.2 | 0.2 | 0.6 | - | - | 16 | 138 |
| | | Purchaser | | | | | | | Price | | | |
| 36 | 489 | CASHMORE OAKLEA 122062 | 0.6 | 8.6 | 12.8 | -0.2 | 0.0 | 0.7 | 15 | - | 19 | 138 |
| | | Purchaser | | | | | | | Price | | | |
| 37 | 351 | BOONERAH 130152 | 0.8 | 9.0 | 13.0 | 0.0 | 0.3 | 0.6 | - | - | 16 | 137 |
| | | Purchaser | | | | | | | Price | | | |
| 38 | 304 | BOONERAH 130152 | 0.7 | 8.7 | 13.1 | 0.2 | 0.6 | 0.9 | - | - | 14 | 136 |
| | | Purchaser | | | | | | | Price | | | |
| 39 | 287 | CASHMORE OAKLEA 122062 | 0.4 | 8.0 | 12.7 | 0.0 | 0.4 | 1.4 | - | - | 14 | 135 |
| | | Purchaser | | | | | | | Price | | | |
| 40 | 510 | BOONERAH 130152 | 0.7 | 8.8 | 12.7 | 0.6 | 0.0 | -0.1 | 19 | - | 16 | 134 |
| | | Purchaser | | | | | | | Price | | | |
| 2015 DROP AVERAGE: | | | 0.6 | 6.6 | 9.6 | -0.5 | 0.3 | 0.2 | 14 | -19 | 5 | 121 |

| LOT | TAG | SIRE | BW | WWT | PWT | FAT | MUSCLE | MILK | GFW% | WEC% | NLW% | INDEX |
|---|-----------------|---------------------------|-----|-----|------|------|--------|------|-------------|------|------|-------|
| Account: S. & L. PARKER, "SOUTH WEST GENETICS" | | | | | | | | | | | | |
| 41 | 845 | S W GENETICS 140927 | 0.6 | 9.6 | 14.1 | -0.1 | 1.1 | -0.1 | - | -35 | 11 | 138 |
| | Purchaser | | | | | | | | Price | | | |
| 42 | 847 | S W GENETICS 140927 | 0.7 | 9.6 | 14.4 | -0.7 | 0.5 | 0.2 | - | -30 | 14 | 139 |
| | Purchaser | | | | | | | | Price | | | |
| 43 | 866 | S W GENETICS 140927 | 0.6 | 7.7 | 12.1 | 0 | 1.3 | 0.2 | - | -30 | 15 | 138 |
| | Purchaser | | | | | | | | Price | | | |
| 44 | 998 | S W GENETICS 140865 | 0.5 | 8.6 | 13.0 | 0.7 | 2.2 | -0.2 | - | -51 | 8 | 137 |
| | Purchaser | | | | | | | | Price | | | |
| 45 | 926 | S W GENETICS 140927 | 0.5 | 8.2 | 12.3 | -0.4 | 1.0 | 0.1 | 13 | -38 | 14 | 137 |
| | Purchaser | | | | | | | | Price | | | |
| 46 | 826 | CASHMORE OAKLEA 113504 | 0.4 | 6.7 | 10.4 | 0.9 | 2.0 | -0.7 | 10 | -68 | 14 | 136 |
| | Purchaser | | | | | | | | Price | | | |
| 47 | 953 | CASHMORE OAKLEA 113504 | 0.4 | 6.5 | 10.6 | 0.3 | 0.8 | -0.3 | 20 | -42 | 17 | 135 |
| | Purchaser | | | | | | | | Price | | | |
| 48 | 979 | S W GENETICS 140927 | 0.3 | 6.5 | 10.7 | 0.1 | 1.7 | 0.1 | - | -21 | 14 | 135 |
| | Purchaser | | | | | | | | Price | | | |
| 49 | 906 | S W GENETICS 140927 | 0.6 | 8.2 | 12.5 | -0.7 | 0.7 | 0.4 | 4 | -40 | 11 | 135 |
| | Purchaser | | | | | | | | Price | | | |
| 50 | 878 | S W GENETICS 140865 | 0.7 | 9.6 | 14.0 | -0.9 | 0.4 | -0.1 | 19 | -4 | 10 | 134 |
| | Purchaser | | | | | | | | Price | | | |
| Account: M. J. & T. K. TONISSEN, "CHROME" | | | | | | | | | | | | |
| 51 | 1080 | CASHMORE OAKLEA 132118 | 0.6 | 8.8 | 12.4 | -0.9 | 0.3 | 0.3 | 10 | -39 | 14 | 136 |
| | Purchaser | | | | | | | | Price | | | |
| 52 | 1392 | BOONERAH 120256 | 0.5 | 7.8 | 11.2 | -0.8 | 0.5 | 0.9 | 11 | 26 | 18 | 136 |
| | Purchaser | | | | | | | | Price | | | |
| 53 | 1460 | CASHMORE OAKLEA 132118 | 0.7 | 8.2 | 12.4 | -0.4 | 0.2 | 0.5 | 15 | -57 | 13 | 136 |
| | Purchaser | | | | | | | | Price | | | |
| 54 | 1568 | BOONERAH 120256 | 0.5 | 6.0 | 8.4 | 0.0 | 0.6 | 1.1 | 10 | 27 | 18 | 132 |
| | Purchaser | | | | | | | | Price | | | |
| 55 | 1860 | HINENUI 061218 | 0.4 | 8.1 | 11.9 | -0.3 | 0.2 | -1.0 | 21 | 79 | 22 | 134 |
| | Purchaser | | | | | | | | Price | | | |
| 56 | 184 | CASHMORE OAKLEA 132118 | 0.6 | 7.0 | 11.4 | -0.7 | 0.5 | -1.0 | 13 | -42 | 13 | 131 |
| | Purchaser | | | | | | | | Price | | | |
| 57 | 2997 | CASHMORE OAKLEA 122255 | 0.6 | 8.0 | 11.8 | -0.8 | 0.1 | -0.1 | - | -8 | 17 | 135 |
| | Purchaser | | | | | | | | Price | | | |
| 58 | 5013 | CASHMORE OAKLEA 132179 | 0.5 | 7.0 | 11.1 | -0.1 | 0.6 | 0.3 | - | -27 | 15 | 134 |
| | Purchaser | | | | | | | | Price | | | |
| 59 | 5111 | CHROME 131266 | 0.7 | 9.0 | 12.5 | -0.7 | 0.6 | 0.8 | - | -17 | 12 | 135 |
| | Purchaser | | | | | | | | Price | | | |
| 60 | 5383 | CASHMORE OAKLEA 122255 | 0.6 | 8.0 | 10.9 | -0.7 | 0.3 | 0.2 | - | -42 | 13 | 133 |
| | Purchaser | | | | | | | | Price | | | |
| 2015 DROP AVERAGE: | | | 0.6 | 6.6 | 9.6 | -0.5 | 0.3 | 0.2 | 14 | -19 | 5 | 121 |

THE MATERNAL SELECTION INDEX

The management of Lambplan have constructed an economically based selection index for the Maternal sheep. In the past, much of the selection of sheep has been distorted because of the over-emphasis of some traits to the relative exclusion of others. This applied, particularly, to fertility, as it is a trait you cannot "see".

As sheep are multi-purpose, multi-trait animals, it can be difficult to place the correct selection emphasis on the traits of maximum economic importance. A selection index ranks traits according to their relative economic importance, arriving at a single figure which is very convenient for both the ram breeder and the ram buyer. Individuals are still quite free to select their rams with a slightly greater emphasis on certain traits, but for maximum economic return, the use of the Maternal Selection Index will result in the greatest total economic return.

THE MATERNAL \$ INDEX

| | |
|--------------------------------|-----|
| Birth Weight | 11% |
| Weaning Weight | 23% |
| Post-Weaning Weight | 25% |
| Fat Depth | 4% |
| Eye Muscle Depth | 5% |
| Milk (Maternal Weaning Weight) | 5% |
| Greasy Fleece Weight | 3% |
| Worm Egg Count | 8% |
| Number of Lambs Weaned | 16% |

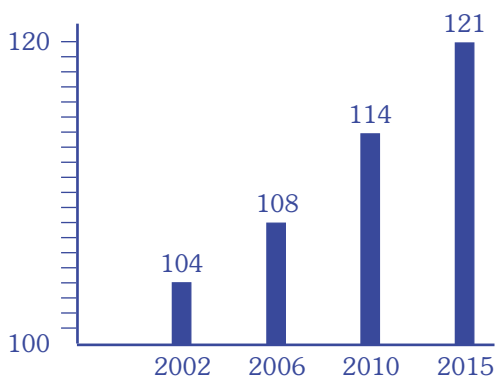
The construction of this index takes into account the rams genetic influence on the lifetime performance of his daughters (50% genetic influence), plus the 25% influence on the grand-daughters, 12.5% influence on the great grand-daughters, etc., plus the extra value of the wether sons and the value of approximately 33% of the daughters that are not used for breeding within the ram buyers own flock.

New Zealand based sires require a number of lambings and rearings by the Australian based daughters to develop a meaningful breeding value for milk (maternal weaning weight).

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ALL FLOCKS GUDAIR VACCINATED
ALL ACCREDITED BRUCELLOSIS FREE



This graph depicts the progress of Maternal sheep since 2002. The Maternal \$ Index is explained above. The figures used were the average for all sheep entered in the Maternal data base each year. The 2015 drop comprises more than 69,000 sheep.

The level of management and genetic merit of the ewe flock has the greatest influence on the profitability of a primb lamb enterprise. People incorporating Coopworth genetics into their breeding flock have a guarantee of increased genetic merit in their ram purchases each year.

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LAMBPLAN WEBSITE: www.sheepgenetics.org.au

LAMBPLAN - THE GENETIC EVALUATION SYSTEM

Genetic evaluation systems take the guesswork out of selection decisions. You cannot see an animal's genes. In fact, when you look at an animal, 70% of what you see is the contribution of the environment i.e. the quality and quantity of the feed supply, disease status and general management.

A ram's breeding value is its genetic merit, half of which will be passed onto its progeny. Two rams might look identical, but genetically they could be very different.

A breeding value is the difference between a ram's individual genetics and the genetic base (flock) to which he has been compared. Breeding values are presented in the units in which they are measured, eg. kilograms for weight.

A value of +1 kg for yearling weight means the ram is genetically superior by 1 kg at 12 months compared with the average of the group in which he was bred.

Simply, a breeding value can be calculated from the records collected on the ram, the heritability of the trait, and knowledge of the average value for the trait in the particular group. For example, if a ram weighed 55 kg at twelve months of age, and his flock-mates averaged 50 kg, its breeding value would be calculated as follows:

Performance +5 kg, Heritability 30%, Breeding Value $5 \times 30\% = 1.5\text{kg}$

In reality, the calculations become much more complicated and require a powerful computer program to calculate the breeding value. The breeding value takes into account:

- * The animal's own performance
- * The performance of all its known relatives in every flock
- * The relationship between different traits.

MATERNAL PERCENTILES (15/09/2016)

| Band | Milk | WWT | PWWT | Fat | Muscle | GFW % | NLW % | Index |
|------|------|------|------|------|--------|-------|-------|-------|
| 1% | 1.8 | 10.2 | 14.7 | 1.0 | 3.1 | 32 | 19 | 138 |
| 5% | 1.3 | 9.2 | 13.4 | 0.5 | 2.1 | 29 | 15 | 134 |
| 10% | 1.1 | 8.6 | 12.6 | 0.3 | 1.6 | 26 | 13 | 132 |
| 20% | 0.8 | 8.0 | 11.7 | 0.0 | 1.1 | 24 | 11 | 128 |
| 50% | 0.2 | 6.6 | 9.6 | -0.5 | 0.3 | 14 | 5 | 121 |