

Bookham Wether trial results, year 3 – 2021

Phil Graham- Graham Advisory

- Thanks to the participants because without you there is no trial, to the sponsor Butt livestock for lunch and Craig Lawson from Landmark for the wool valuations plus the people who helped with the drafting on the Sunday and at shearing also the Bookham Hall committee for morning and afternoon tea.
 - Congratulation to Dave Weir for the excellent condition of the wether's.
 - The result this year have a high degree of robustness due to the fact that any age differences on entry have now disappeared.
 - This trial is run for 4 shearing because we want to use the information to reflect what is happening to breeding flocks of the same bloodlines. Except for the reproduction data, wool production from wethers is highly correlated to ewe's wool production. In line with the wool to meat ration from ewes the value of the carcass will be included at shearing 4.
 - The body weights in the tables are an off shears weight.
 - The wool yield in the shearing details is a yield of the fleece wool calculated from the washing yield of the mid side sample. The average yield takes account of the lower yields of the oddments.
 - The tables have some rounding errors which explains some slight differences between teams but the calculations are done on the correct numbers, eg FD is the same but the wool price is different
 - A rule for all Bookham trials is that teams are allowed to lose 2 wethers and it does not affect the results because the total is divided by 9 or 8 wethers but after that the average value per head is impact by being divided by 8 regardless of the number in the team. This rule has impacted 4 team this year.
 - **The teams that originated off a stud are marked in the summary tables in blue.**
 - The following tables are provided to allow you to assess the performance of the teams.
1. *The team summary sorted on **average value per head**, - gives a measure of the wool genetics of the sheep*
 2. *The team summary sorted on **total wool value of the team**, - adds the wool genetic value to the robustness of the sheep.*
 3. *The team summary sorted on **average value per DSE** - expresses the wool genetics on a common feed basis. There is no data to say bigger sheep are more efficient re using pasture. Bigger sheep eat more. The impact of bigger sheep on meat value and reproductive performance will be looked at after the final shearing.*
 4. *A table of **FD and total dollars over the 3 years**.*

It is my view that the true assessment of the performance of bloodlines should be based on the data in tables 2,3 and 4 as it is the combination of these factors that drives your profitability of the merino enterprise. Different merino enterprise i.e. aims to sell all wethers off into the lamb market vs keeping wethers for 2 shearings will mean different traits are required in the respective bloodlines.

Compiled using data collected at the shearing and from mid side samples taken 3 weeks before.

If you have any questions about the data contact me to discuss the issue.

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21/2/2021

Greendale Merinos

Statement of Proven Performance:

Through Greendale Merinos' involvement in various industry benchmarking trials and evaluations we can clearly see the substantial impact and improvement that Greendale genetics have on enhancing the most heritable and profitable traits of a commercial merino wool growing and breeding business.

*Greendale Merinos have proven that breeding moderate sized sheep to be the **most efficient** and **profitable animal**.*

*This has and continues to be proven over a number of comparisons in which our genetics participate in, including the Bookham Ag Bureau Wether Trial which saw teams using Greendale Genetics to **once again***

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Table 2: Ranked on average team value

| ENTRANT | BLOODLINE | NO OF WETHERS | GFW | FD | YIELD | CFW | CLEAN PRICE | BODY WT | \$/HD |
|---|----------------------------------|--------------------------|-------------|--------------|--------------|-------------|------------------------|--------------------|----------------|
| MCGUFFICKE PARTNERS AVOCA | GREENDALE | 10 | 9.7 | 17.8 | 67 | 6.2 | 1511 | 71.6 | \$90.53 |
| | GREENDALE | 9 | 10 | 20.3 | 69.6 | 6.8 | 1333 | 69.1 | \$87.05 |
| LEONARD/ KAVENEY | TALLAWONG | 10 | 8.4 | 17.9 | 70.8 | 5.8 | 1578 | 69.3 | \$86.97 |
| KINGSLEA PARTNERSHIP R & S HYLES | GROGANSWORTH | 9 | 9 | 19.6 | 74.7 | 6.5 | 1347 | 77.2 | \$84.38 |
| S & R MILLS | GREENDALE/ STILLBROOK | 9 | 8.7 | 18.6 | 71.2 | 6 | 1448 | 74.4 | \$83.58 |
| M & Z GILES | BOGO/ GRASSY CREEK | 8 | 8.6 | 18.5 | 71.1 | 5.9 | 1479 | 73.3 | \$83.52 |
| AJ & R DAWSON | WINYAR | 9 | 9.7 | 20.3 | 70.1 | 6.6 | 1267 | 83.6 | \$82.82 |
| PALING YARDS CO | PALING YARDS | 9 | 7.2 | 17 | 70.7 | 5 | 1747 | 75.1 | \$81.75 |
| MAYFIELD PARTNERSHIP S R & D WEIR | GREENDALE | 7 | 10 | 18.5 | 67.5 | 6.5 | 1486 | 66.9 | \$81.05 |
| | BOGO | 8 | 7.8 | 17.9 | 70.1 | 5.3 | 1577 | 71.1 | \$80.10 |
| WERONG | TALLAWONG | 8 | 8.8 | 18.3 | 64.6 | 5.5 | 1503 | 74.2 | \$79.70 |
| D & R SYKES | BOGO | 10 | 7.4 | 18.1 | 72.5 | 5.2 | 1545 | 75 | \$76.58 |
| M GAERLOCH PARTNER | GAERLOCH | 9 | 7.9 | 19.8 | 75.5 | 5.8 | 1359 | 67.2 | \$75.65 |
| G & R ROBERTSON | MIXED | 10 | 7.7 | 18.5 | 69.7 | 5.2 | 1474 | 70.1 | \$73.55 |
| MARKDALE STATION | LEACHIM/ HAZELDENE | 9 | 8.1 | 19.4 | 69.6 | 5.5 | 1376 | 76.9 | \$72.79 |
| TINTAGEL PAST CO | SPRINGVALE | 9 | 8 | 19.2 | 69.7 | 5.3 | 1396 | 64.1 | \$71.79 |
| TALMO PAST CO | BOGO | 10 | 7.6 | 18.4 | 68 | 5 | 1489 | 69.6 | \$70.87 |
| TALLAWONG | TALLAWONG | 7 | 8.3 | 17.6 | 66.7 | 5.4 | 1595 | 68.7 | \$70.43 |
| GLENROCK PARTNERSHIP M & K SHANNAHAN | JOHNSON PARK | 9 | 6.8 | 17.9 | 70.8 | 4.7 | 1559 | 72.6 | \$70.08 |
| | BOGO/ TALLAWONG | 8 | 6.7 | 17.6 | 71.6 | 4.7 | 1597 | 72.2 | \$69.84 |
| D & J YOUNG | LEACHIM/ BUNDILLA | 10 | 7.4 | 18.2 | 67.7 | 4.8 | 1517 | 86.2 | \$69.53 |
| BIGGA PASTORAL | GRASSY CREEK | 10 | 7.9 | 18.1 | 67.9 | 5.1 | 1367 | 76 | \$68.09 |
| BOOROOMBA | BOGO/ TALLAWONG | 7 | 7.6 | 17.7 | 68.8 | 5.1 | 1615 | 76.4 | \$67.52 |
| M & R GROGAN | CENTREPLUS | 9 | 7.2 | 18.9 | 66.3 | 4.6 | 1443 | 80 | \$63.91 |
| P & RK MOORE | BLINKBONNIE | 7 | 8 | 19.2 | 69.4 | 5.4 | 1403 | 75.7 | \$63.34 |
| BOGOLONG | MIXED | 9 | 6.9 | 19.2 | 68.7 | 4.6 | 1403 | 74.9 | \$61.21 |
| LAVERSTOCK | CENTREPLUS | 8 | 7.3 | 19 | 64.1 | 4.5 | 1398 | 79.6 | \$59.66 |
| AVERAGES | | - | 8.14 | 18.56 | 69.27 | 5.45 | 1476 | 73.7 | 75.36 |

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Table 3: Ranked on Total Team Value

| ENTRANT | BLOODLINE | NO OF WETHERS | FD | YIELD | CFW | CLEAN PRICE | TOTAL \$ /TEAM |
|-----------------------------|----------------------------------|----------------------|-------------|--------------|------------|--------------------|-----------------------|
| MCGUFFICKE PARTNERS | GREENDALE | 10 | 17.8 | 67 | 6.2 | 1511 | \$905.30 |
| LEONARD/KAVENEY | TALLAWONG | 10 | 17.9 | 70.8 | 5.8 | 1578 | \$869.67 |
| R & S HYLES | YARRAWONGA | 10 | 18.1 | 65.1 | 5.7 | 1516 | \$836.64 |
| AVOCA | GREENDALE | 9 | 20.3 | 69.6 | 6.8 | 1333 | \$783.48 |
| D & R SYKES | BOGO | 10 | 18.1 | 72.5 | 5.2 | 1545 | \$765.81 |
| KINGSLEA | GROGANSWORTH | 9 | 19.6 | 74.7 | 6.5 | 1347 | \$759.41 |
| S & R MILLS | GREENDALE/ STILLBROOK | 9 | 18.6 | 71.2 | 6 | 1448 | \$752.20 |
| AJ & R DAWSON | WINYAR | 9 | 20.3 | 70.1 | 6.6 | 1267 | \$745.42 |
| PALING YARDS | PALING YARDS | 9 | 17 | 70.7 | 5 | 1747 | \$735.78 |
| G & R ROBERTSON | MIXED | 10 | 18.5 | 69.7 | 5.2 | 1474 | \$735.55 |
| TALMO PAST CO | BOGO | 10 | 18.4 | 68 | 5 | 1489 | \$708.69 |
| D & J YOUNG | LEACHIM/ BUNDILLA | 10 | 18.2 | 67.7 | 4.8 | 1517 | \$695.26 |
| BIGGA PASTORAL | GRASSY CREEK | 10 | 18.1 | 67.9 | 5.1 | 1367 | \$680.92 |
| M GAERLOCH PARTNER | GAERLOCH | 9 | 19.8 | 75.5 | 5.8 | 1359 | \$680.89 |
| M & Z GILES | BOGO/ GRASSY CREEK | 8 | 18.5 | 71.1 | 5.9 | 1479 | \$668.13 |
| MARKDALE STATION | LEACHCIM/ HAZELDEAN | 9 | 19.4 | 69.6 | 5.5 | 1376 | \$655.12 |
| MAYFIELD PARTNERSHIP | GREENDALE | 7 | 18.5 | 67.5 | 6.5 | 1486 | \$648.40 |
| TINTAGEL PAST CO | SPRINGVALE | 9 | 19.2 | 69.7 | 5.3 | 1396 | \$646.07 |
| S R & D WEIR | BOGO | 8 | 17.9 | 70.1 | 5.3 | 1577 | \$640.81 |
| WERONG | TALLAWONG | 8 | 18.3 | 64.6 | 5.5 | 1503 | \$637.63 |
| GLENROCK | JOHNSON PARK | 9 | 17.9 | 70.8 | 4.7 | 1559 | \$630.73 |
| M & R GROGAN | CENTREPLUS | 9 | 18.9 | 66.3 | 4.6 | 1443 | \$575.15 |
| TALLAWONG | TALLAWONG | 7 | 17.6 | 66.7 | 5.4 | 1595 | \$563.43 |
| M & K SHANNAHAN | BOGO/ TALLAWONG | 8 | 17.6 | 71.6 | 4.7 | 1597 | \$558.71 |
| BOGOLONG | MIXED | 9 | 19.2 | 68.7 | 4.6 | 1403 | \$550.92 |
| BOOROOMBA | BOGO/ TALLAWONG | 7 | 17.7 | 68.8 | 5.1 | 1615 | \$540.12 |
| P & RK MOORE | BLINKBONNIE | 7 | 19.2 | 69.4 | 5.4 | 1403 | \$506.73 |
| LAVERSTOCK | CENTREPLUS | 8 | 19 | 64.1 | 4.5 | 1398 | \$477.30 |
| AVERAGES | | - | 18.6 | 69.3 | 5.5 | 1476.0 | 676.94 |

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Table 4: Ranked on Average Value divided by DSE

For the 4 teams with 7 sheep, their \$/hd based on the 7 sheep was used for this calculation.

| ENTRANT | BLOODLINE | DSE | \$/DSE |
|----------------------|-----------------------|-------------|----------------|
| MAYFIELD PARTNERSHIP | GREENDALE | 1.15 | \$80.52 |
| MCGUFFICKE PARTNERS | GREENDALE | 1.23 | \$73.53 |
| AVOCA | GREENDALE | 1.19 | \$73.26 |
| LEONARD/KAVENEY | TALLAWONG | 1.19 | \$72.99 |
| TALLAWONG | TALLAWONG | 1.18 | \$68.14 |
| R & S HYLES | YARRAWONGA | 1.25 | \$67.11 |
| M & Z GILES | BOGO/ GRASSY CREEK | 1.26 | \$66.27 |
| S R & D WEIR | BOGO | 1.22 | \$65.52 |
| M GAERLOCH PARTNER | GAERLOCH | 1.16 | \$65.47 |
| S & R MILLS | GREENDALE/ STILLBROOK | 1.28 | \$65.33 |
| TINTAGEL PAST CO | SPRINGVALE | 1.10 | \$65.13 |
| KINGSLEA PARTNERSHIP | GROGANSWORTH | 1.33 | \$63.57 |
| PALING YARDS CO | PALING YARDS | 1.29 | \$63.31 |
| WERONG | TALLAWONG | 1.28 | \$62.47 |
| G & R ROBERTSON | MIXED | 1.21 | \$61.02 |
| D & R SYKES | BOGO | 1.29 | \$59.38 |
| TALMO PAST CO | BOGO | 1.20 | \$59.22 |
| BOOROOMBA | BOGO/ TALLAWONG | 1.31 | \$58.74 |
| AJ & R DAWSON | WINYAR | 1.44 | \$57.61 |
| M & K SHANNAHAN | BOGO/ TALLAWONG | 1.24 | \$56.26 |
| GLENROCK PARTNERSHIP | JOHNSON ROCK | 1.25 | \$56.14 |
| P & RK MOORE | BLINKBONNIE | 1.30 | \$55.61 |
| MARKDALE STATION | LEACHIM/ HAZELDENE | 1.32 | \$55.05 |
| BIGGA PASTORAL | GRASSY CREEK | 1.31 | \$52.10 |
| BOGOLONG | MIXED | 1.29 | \$47.53 |
| D & J YOUNG | LEACHIM/ BUNDILLA | 1.48 | \$46.91 |
| M & R GROGAN | CENTREPLUS | 1.38 | \$46.46 |
| LAVERSTOCK | CENTREPLUS | 1.37 | \$43.59 |
| AVERAGES | | 1.26 | \$62.06 |

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Table 6: Fibre Diameter and Total Dollar Values for the 3 years

- The difference in DSE value between teams is very solid with this year's data, as all animals have had the opportunity to express their genetics for growth.
- At this stage of the trial, you can use the 3 data sets to look at the relative wool production merit of the teams. Teams that perform well on all the measures have robust performance.

| ENTRANT | BLOODLINE USED | 2019 | 2020 | 2021 | 2019 | 2020 | 2021 | TOTAL \$ |
|----------------------------|-------------------------------|-------------|-------------|-------------|-------------------|-------------------|-----------------|-------------------|
| MCGUFFICKE | GREENDALE | 15.5 | 16.9 | 17.8 | \$1,233.79 | \$1,154.10 | \$905.30 | \$3,293.19 |
| R & S HYLES | YARRAWONGA | 15.9 | 17.4 | 18.1 | \$1,173.54 | \$1,083.60 | \$836.64 | \$3,093.78 |
| AVOCA | GREENDALE | 17.2 | 19.1 | 20.3 | \$1,068.71 | \$1,142.80 | \$783.48 | \$2,994.99 |
| LEONARD/KAVENEY | TALLAWONG | 15.4 | 17.2 | 17.9 | \$1,074.23 | \$972.94 | \$869.67 | \$2,916.84 |
| AJ & R DAWSON | WINYAR | 17.8 | 18.8 | 20.3 | \$1,107.09 | \$1,016.30 | \$745.42 | \$2,868.81 |
| D & R SYKES | BOGO | 16.1 | 17.7 | 18.1 | \$1,105.53 | \$986.15 | \$765.81 | \$2,857.49 |
| KINGSLEA | GROGANSWORTH | 17.6 | 18.5 | 19.6 | \$1,039.25 | \$1,024.40 | \$759.41 | \$2,823.06 |
| MAYFIELD | GREENDALE | 16 | 17.3 | 18.5 | \$1,136.88 | \$1,000.50 | \$648.40 | \$2,785.78 |
| S & R MILLS | GREENDALE / STILLBROOK | 16.8 | 18 | 18.6 | \$928.98 | \$1,087.40 | \$752.20 | \$2,768.58 |
| TALMO PAST CO | BOGO | 15.8 | 17.2 | 18.4 | \$1,054.29 | \$979.87 | \$708.69 | \$2,742.85 |
| BIGGA PASTORAL | GRASSY CREEK | 16.8 | 17.8 | 18.1 | \$1,031.00 | \$1,012.70 | \$680.92 | \$2,724.62 |
| G & R ROBERTSON | MIXED | 15.9 | 17.2 | 18.5 | \$1,014.53 | \$960.49 | \$735.55 | \$2,710.57 |
| M GAERLOCH PART | GAERLOCH | 17.1 | 18.6 | 19.8 | \$959.88 | \$1,044.10 | \$680.89 | \$2,684.87 |
| S R & D WEIR | BOGO | 16.4 | 17.7 | 17.9 | \$1,097.50 | \$918.37 | \$640.81 | \$2,656.68 |
| MARKDALE STATION | LEACHIM/HAZELDENE | 16.5 | 18.5 | 19.4 | \$978.43 | \$1,005.00 | \$655.12 | \$2,638.55 |
| M & Z GILES | BOGO / GRASSY CREEK | 16 | 17.6 | 18.5 | \$1,089.01 | \$862.15 | \$668.13 | \$2,619.29 |
| PALING YARDS | PLAING YARDS | 15.1 | 16.7 | 17 | \$987.56 | \$882.42 | \$735.78 | \$2,605.76 |
| TINTAGEL PAST CO | SPRINGVALE | 16.9 | 18.1 | 19.2 | \$926.32 | \$988.92 | \$646.07 | \$2,561.31 |
| WERONG | TALLAWONG | 16.3 | 17.6 | 18.3 | \$974.30 | \$925.26 | \$637.63 | \$2,537.19 |
| GLENROCK | JOHNSON PARK | 16.2 | 17.7 | 17.9 | \$952.91 | \$896.55 | \$630.73 | \$2,480.19 |
| TALLAWONG | TALLAWONG | 15.3 | 16.8 | 17.6 | \$1,101.86 | \$729.90 | \$563.43 | \$2,395.19 |
| BOOROOMBA | BOGO/ TALLAWONG | 15.8 | 17.1 | 17.7 | \$1,006.80 | \$837.51 | \$540.12 | \$2,384.43 |
| D & J YOUNG | LEACHIM/ BUNDILLA | 16.5 | 17.7 | 18.2 | \$894.39 | \$770.61 | \$695.26 | \$2,360.26 |
| P & RK MOORE | BLINKBONNIE | 16.9 | 18.1 | 19.2 | \$1,005.66 | \$829.33 | \$506.73 | \$2,341.72 |
| M & R GROGAN | CENTREPLUS | 17.3 | 18.2 | 18.9 | \$854.26 | \$900.38 | \$575.15 | \$2,329.79 |
| M & K SHANNAHAN | BOGO/ TALLAWONG | 15.9 | 17.2 | 17.6 | \$873.20 | \$813.87 | \$558.71 | \$2,245.78 |
| BOGOLONG | MIXED | 17.8 | 18.5 | 19.2 | \$836.33 | \$820.57 | \$550.92 | \$2,207.82 |
| LAVERSTOCK | CENTREPLUS | 16.8 | 18.1 | 19 | \$843.27 | \$762.84 | \$477.30 | \$2,083.41 |
| AVERAGES | | 16.4 | 17.7 | 18.5 | \$1,012.48 | \$943.18 | \$676.94 | \$2,632.60 |