Monaro Farming Systems Merino Wether Trial 2012 - 2014

Compiled by:
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NSW Department of Primary Industries
YASS
2014

NSW GOVERNMENT | Department of Primary Industries

Owner Details

Team	*Entrant / Address*	*Bloodline*
1	Kim Henderson Grogansworth	GROGANSWORTH
2	Steve Phillips Cunningham Plains	YARRAWONGA
4	Sam Weir Bertangles	BOGO
6	Pat & Marion Drew Anunka	PASTORA
7	Craig Mitchell Gaerloch	Gaerloch (Bobingah)
10	Henry Bridgewater Sherwood	SEVERN PARK
11	Alan McGufficke Greendale	GREENDALE
12	Richard Taylor Bellvue	BOBINGAH
13	Oli Cay Pineleigh	GREENDALE
14	Lionel & Stephen Platts Dungaree Pastoral Co	INGLEWOOD / TARA PARK
15	Lisa Phillips Jerangle	YARRAWONGA
16	James Larritt Woodstock	HAZELDEAN / GREENDALE
17	Doug Constance Werralong	GREENDALE / COTTAGE PARK
18	Simon & Christina King Muniong	AVONSIDE
19	Brett & Jane Constance Athlone	YARRAWONGA
20	Malcolm Pearce Coolringdon	HAZELDEAN
21	Dean Incher Mayfield Partnership	GREENDALE
22	John & Jenny Alcock Merambego	GREENLAND
24	George Haylock Springfield	SEVERN PARK
25	Hamish Jardine Curry Flat	HAZELDEAN
26	Jim & Clare Buckley Buckley	GREENDALE
27	David Culley Culley	TOWALBA
28	Kim Henderson Grogansworth	GROGANSWORTH
29	Tallawong Tallawong Tallawong Past. Company	TALLAWONG

Wether trials provide benefits at a number of levels:

- Gives individuals a robust benchmark of how their sheep perform compared to the local industry.
- By combining the results from a number of trials, information about industry bloodlines is available to producers. The latest combined bloodline analysis will be released by the end of 2014. This uses the last 10 years of trial data.
- The information can be used to show basic relationships between traits which can help producers in decision about their breeding direction.

This report will focus on the relationship between the traits and their relationship with the dollar returns. If you want to examine the difference between bloodlines then the best information is in the combined bloodline analysis due to its larger data set. The second part of the report has yearly summary tables from this trial plus wrinkle and fat score data.

This trial would not have been possible without the willingness of Rowan Wright to run and manage the wethers over the 3 years and Alan McGufficke's time in coordination. Also thanks to all of you who entered a team without your support there is no trial. The assistance and sponsorship from Gordon Litchfield and Sam Green's help at shearing and side sampling was greatly appreciated.

Trial results

The results from the whole trial have been split into 2 groups depending on the property of origin. The main group is for teams that have come off a commercial property and the second group for properties that sell rams. The stud or ram breeding property has a genetic advantage due to a shorter generation interval so their productive should be higher than their clients. So it is best to examine the data within the groups rather than a combined list.

The factors that need to be considered when examining the results of a wether trial are $ returns /hd corrected for body weight, to take account of the amount of feed that stock eat and the death rates that occur over the life of the trial. In any trial deaths could be by accident but can also give some indication of the robustness of the stock.

The data below uses the total income from the trial (3 shearing + 1 carcass) corrected to a dse, in the no death column the total is divided by the number of wethers contributing to the data. If there were no deaths this figure is 45 (15 per team * 3 shearings). The team with the most losses had 41 wethers contribute.

In the deaths column the total figure is divided by 45 for all teams. For teams which lost no stock the result will be the same in both columns.

Two teams started the trial with 14 animals (Team 4 and 22) their data has been corrected by adding the average of the team to each year to give a total based on 45 sheep, then any death are accounted for in the next column.

In this trial there were 2 teams from the one property and the one drop, (team 1 and 28). There is a difference of about $3/dse between these teams, so this gives us an idea of the "noise" that is in the whole data set. You are looking for differences greater than $3 /dse to be meaningful differences.

Teams from commercial properties

No deaths		Deaths	
Ave/dse	Team no	Ave /dse	Team no
78.11	21	77.95	7
77.95	7	76.47	15
76.47	15	75.03	26
75.94	19	73.81	20
75.03	26	73.62	16
73.81	20	72.66	14
73.62	16	71.17	21
73.15	13	70.88	19
72.66	14	70.17	6
71.76	6	69.90	13
71.66	17	69.55	25
70.32	4	68.48	17
69.55	25	67.20	4
66.36	27	64.89	27
60.81	24	58.10	24

Teams from properties that sell rams.

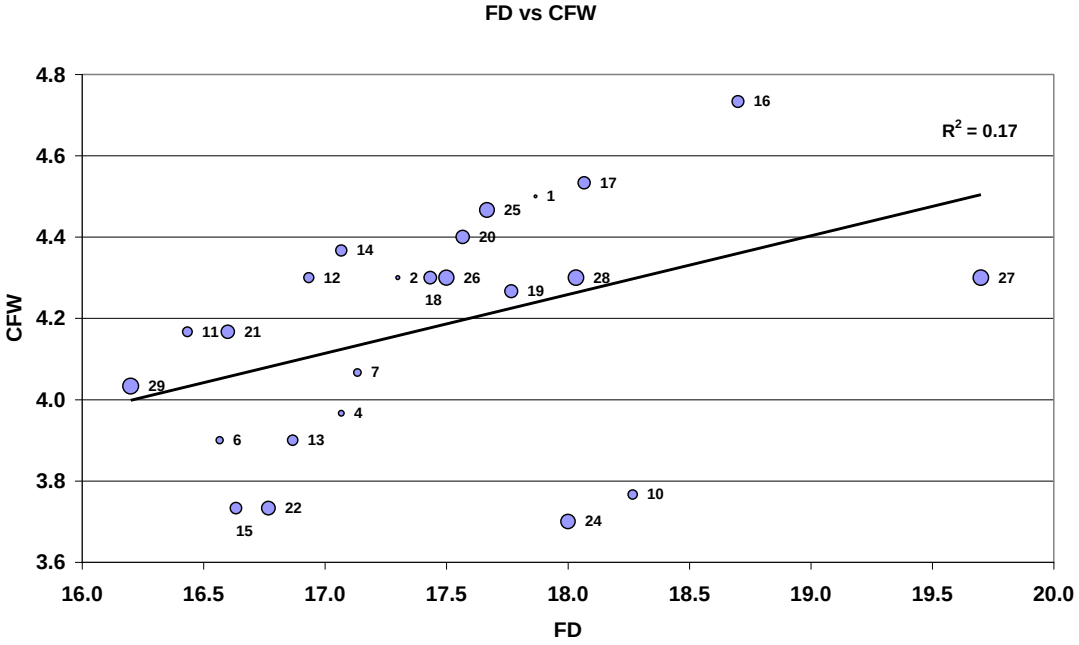
No deaths		Deaths	
Ave/dse	Team no	Ave /dse	Team no
83.51	11	83.51	11
78.95	12	78.95	12
78.19	29	78.19	29
73.61	2	73.61	2
72.59	1	72.59	1
71.65	18	71.65	18
70.18	22	70.18	22
69.44	28	69.44	28
59.20	10	57.89	10

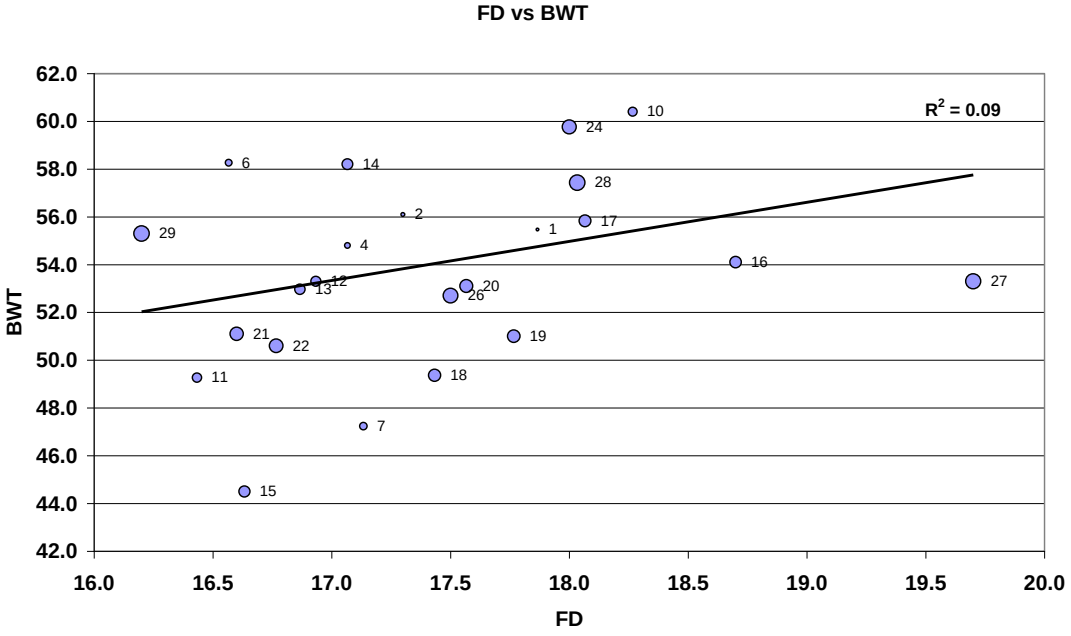
Trait relationships

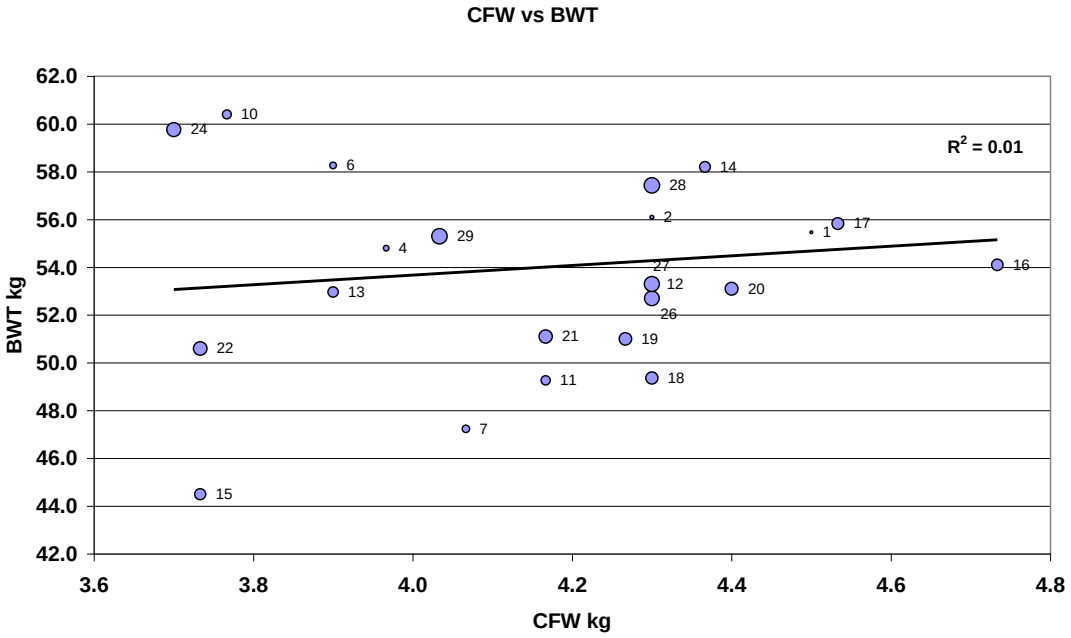
The following graphs have used the average fibre diameter, clean fleece weight and body weight from the 3 shearings to get a team value. The dollar value is the total of the 3 fleeces plus carcass for the team divided by the number of animals that contributed to the total (max 45, so this value is placing no dollar impact on the deaths during the trial). This gives an average return /hd, this is then divided by a DSE rating based on the body weight to give a average /DSE.

The first 3 graphs look at the relationship between the 3 major production traits, fibre diameter, clean fleece and body weight. The numbers on the graphs are the team numbers

On each graph is an r2 value (top right corner) which gives an idea how strongly the relationship is. If the r2 was 1 then all points would be on the line, at an r2 of 0 there is no relationship. If the r2 is below 0.1 then there is effectively no linkage and between 0.1 and 0.2 it is very weak.

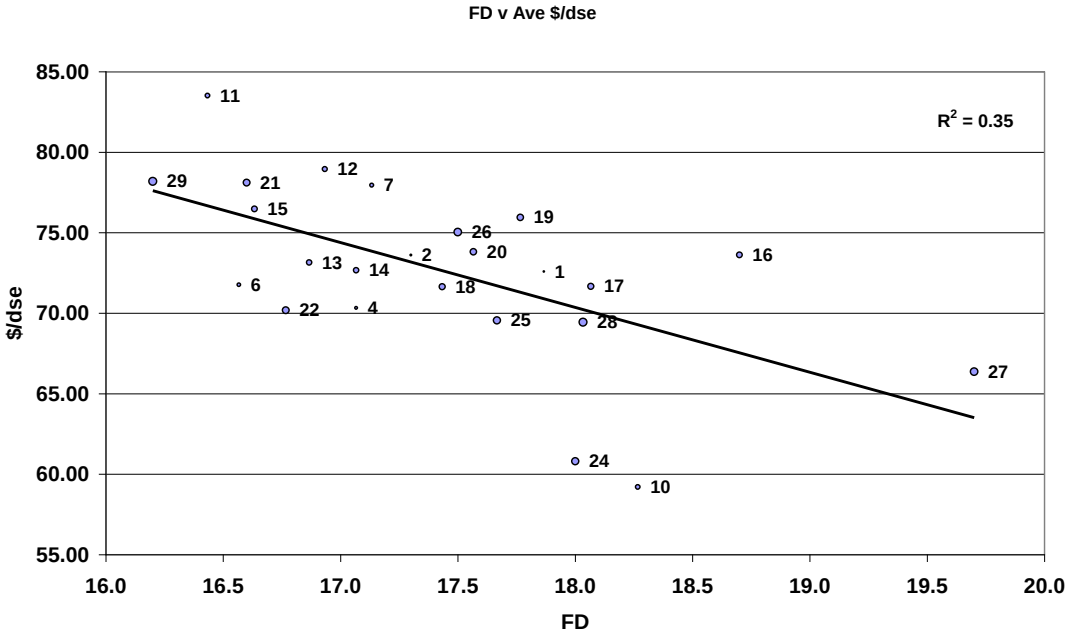


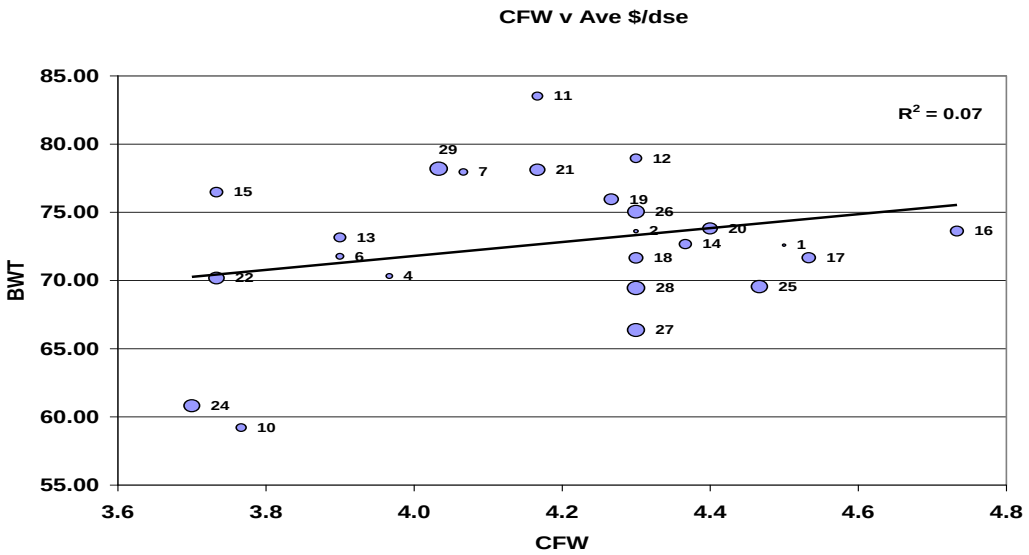




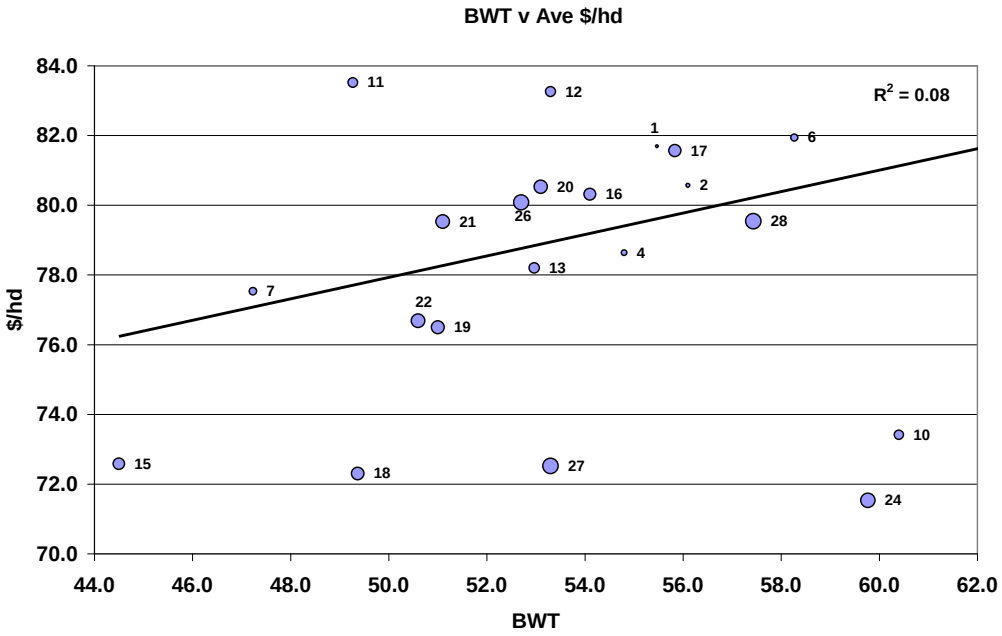
At an r2 of 0.01 for body weight and clean fleece weight and 0.09 for body weight and clean fleece weight there is no relationship between these traits in this data set. The relationship is weak for fibre diameter and clean fleece weight. In summary there is no strong relationship between the traits meaning you can breed for any combination that you want provided you apply the correct pressure.

The next series of graphs look at the impact of each of the traits on the average $/DSE from the trial.



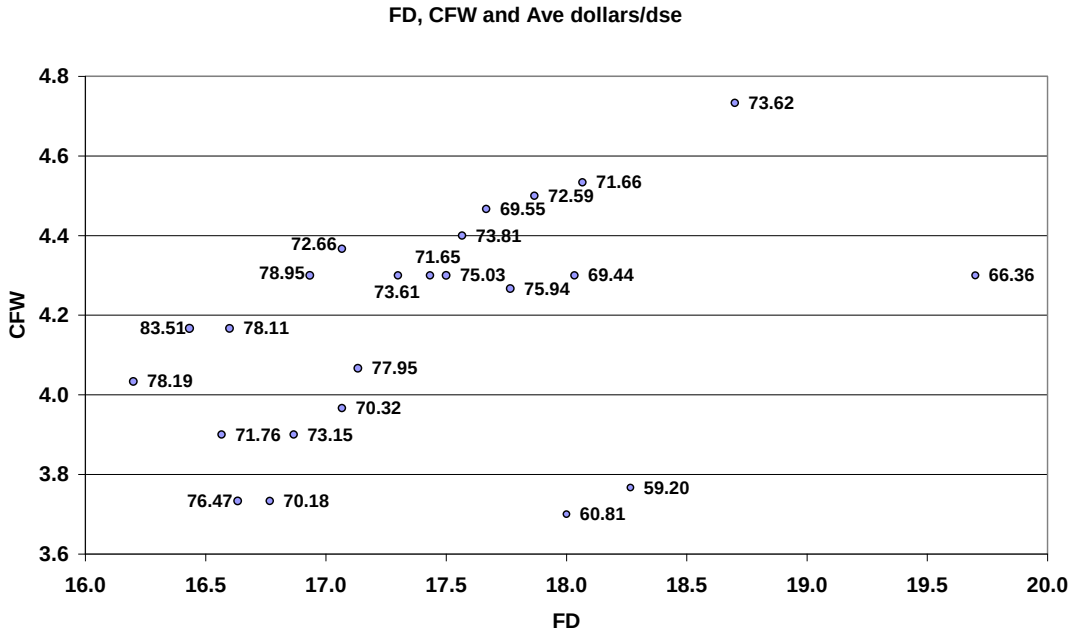


The dollar and body weight graph has used the average $/hd instead of average $/dse as this already has had correction for relative weights.



From this data fibre diameter is the only trait to have any relationship with the income earned. I would expect if 2014 data only was graphed then the $ vs CFW would have been the dominate trait rather than fibre diameter.

The next graph shows 3 traits and gives a clearer picture. Fibre diameter and clean fleece weight are plotted and at each point the average dollars/dse is displayed. The highest teams are grouped around average for fleece weight but below average for FD. They have the right combination of the 2 important traits. The lowest values are below average for fleece weight and above for FD. The carcass income has some minor impact on teams such that they perform differently from teams nearby.



To give a more comprehensive picture I have included the r2 values for the traits listed from 2 additional data sets. The Bookham set is from the trial run from 2011 to 2014 and the combined data is from the combined bloodline analysis of 73 bloodlines completed in late 2014 using data from 2004 to 2013. The comparison involving $/dse will have "noise" as the time periods and the number of fleeces to carcass varies.

The relationship between CFW and FD is the strongest in all data and FD and BWT is the weakest. Even in the combined data with the higher r2, there are still bloodlines that have achieved a more profitable CFW/FD balance due to their breeding program. The combined data has higher values because it is the average of a number of teams for each bloodline. This removes the noise that comes from 1 trial where 1 or 2 teams can have an impact on the r2 values

In summary there is a strong ability to breed sheep in any direction you want but care needs to be taking in setting that direction because not all result in the same farm profit.

	MFS	**Bookham**	**Combined**
CFW v FD	0.17	0.31	0.52
CFW v BWT	0.01	0.18	0.47
FD v BWT	0.09	0.07	0.25
FD v $/dse	0.35	0.14	0.12
CFW v $/dse	0.07	0.15	0.05

Yearly Averages Summary *2012*

Ranked By Average Wool Value

Rank	*Team*	*Entrant*	*No. of Wethers*	*Greasy Wool Wt.*	*Micron*	*Schlum. Yield*	*Clean Wool Wt.*	*Fleece Clean Price*	*Body Wt.*	*Wool Value*
1	**29**	**Tallawong Pastoral Co**	15	5.3	15.8	77.4	4.0	1980	46.2	$76.77
2	**12**	**Bellvue**	15	5.6	16.2	76.3	4.2	1856	43.6	$75.00
3	**11**	**Greendale**	15	5.3	15.9	73.5	3.9	1933	39.1	$72.15
4	**21**	**Mayfield Partnership**	15	5.4	16.0	74.4	4.0	1854	41.2	$71.57
5	**6**	**Anunka**	15	5.1	16.1	76.1	3.8	1920	49.6	$70.73
6	**2**	**Cunningham Plains**	15	6.0	16.8	73.9	4.4	1618	47.8	$68.55
7	**14**	**Dungaree Pastoral Co**	15	6.0	16.9	73.1	4.3	1609	47.0	$67.50
8	**19**	**Athlone**	14	6.1	16.8	71.0	4.3	1637	41.4	$67.24
9	**25**	**Curry Flat**	15	6.0	17.1	74.8	4.4	1560	53.7	$66.77
10	**7**	**Gaerloch**	15	5.0	16.2	73.1	3.6	1860	35.2	$64.26
11	**13**	**Pineleigh**	15	4.9	16.1	74.0	3.5	1879	43.1	$64.17
12	**16**	**Woodstock**	15	6.3	17.8	73.3	4.5	1455	43.2	$63.73
13	**26**	**Buckley**	15	5.7	16.9	72.7	4.0	1637	42.0	$63.48
14	**17**	**Werralong**	15	6.1	17.5	72.9	4.3	1495	41.8	$63.00
15	**1**	**Grogansworth**	15	5.7	17.4	75.1	4.2	1531	42.4	$62.61
16	**20**	**Coolringdon**	15	5.7	16.9	73.4	4.1	1584	40.2	$62.39
17	**18**	**Muniong**	15	5.6	17.0	74.0	4.1	1578	38.1	$62.32
18	**4**	**Bertangles**	14	5.2	16.7	74.5	3.8	1685	43.9	$62.05
19	**28**	**Grogansworth**	15	5.5	17.4	77.6	4.2	1508	47.8	$61.50
20	**22**	**Merambego**	14	4.8	16.4	74.2	3.5	1806	34.6	$60.19
21	**15**	**Jerangle**	15	4.9	16.2	70.9	3.4	1802	31.2	$58.90
22	**27**	**Culley**	15	5.5	18.8	74.5	4.0	1348	42.8	$52.52
23	**24**	**Old Springfield**	15	4.8	17.5	75.2	3.5	1476	50.1	$50.58
24	**10**	**Sherwood**	15	4.6	17.4	76.1	3.4	1426	47.5	$50.28
Averages:			14.9	5.5	16.8	74.2	4.0	1668	48.5	$64.09

Yearly Averages Summary *2013*

Ranked By Average Wool Value

Rank	*Team*	*Entrant*	*No. of Wethers*	*Greasy Wool Wt.*	*Micron*	*Schlum. Yield*	*Clean Wool Wt.*	*Fleece Clean Price*	*Body Wt.*	*Wool Value*
1	11	**Greendale**	15	5.8	16.2	71.2	4.0	1539	42.5	$60.22
2	29	**Tallawong Pastoral Co**	15	5.4	16.1	73.9	3.9	1582	47.6	$60.03
3	14	**Dungaree Pastoral Co**	15	6.1	17.0	70.7	4.2	1404	50.7	$57.45
4	21	**Mayfield Partnership**	14	5.7	16.6	71.9	4.1	1441	44.9	$56.18
5	25	**Curry Flat**	15	6.1	17.5	72.4	4.4	1296	54.7	$54.92
6	17	**Werralong**	13	6.5	17.9	71.2	4.5	1262	50.6	$54.77
7	16	**Woodstock**	14	6.5	18.6	71.0	4.6	1234	46.2	$54.59
8	12	**Bellvue**	15	5.8	16.9	73.3	4.1	1356	46.9	$54.55
9	26	**Buckley**	15	6.2	17.5	70.1	4.2	1323	45.5	$54.30
10	18	**Muniong**	15	5.9	17.1	71.4	4.2	1336	43.0	$53.95
11	20	**Coolringdon**	15	6.0	17.5	72.7	4.3	1296	47.5	$53.93
12	6	**Anunka**	15	5.2	16.5	73.9	3.8	1470	52.2	$53.85
13	1	**Grogansworth**	15	5.8	17.7	74.1	4.3	1288	50.5	$53.33
14	7	**Gaerloch**	15	5.7	17.0	71.1	4.0	1356	41.1	$52.32
15	4	**Bertangles**	13	5.4	16.9	72.4	3.8	1432	48.5	$52.27
16	2	**Cunningham Plains**	15	5.7	17.2	70.3	4.0	1336	48.5	$51.38
17	13	**Pineleigh**	14	5.4	16.9	70.9	3.8	1397	46.7	$50.80
18	15	**Jerangle**	15	5.4	16.6	67.7	3.6	1472	39.9	$50.49
19	28	**Grogansworth**	15	5.6	18.0	75.9	4.1	1257	50.5	$50.46
20	22	**Merambego**	14	5.2	16.6	70.9	3.6	1432	47.2	$50.34
21	19	**Athlone**	14	5.9	17.9	68.7	4.0	1271	44.1	$49.02
22	27	**Culley**	15	5.7	19.6	72.8	4.1	1183	45.8	$46.55
23	10	**Sherwood**	15	5.1	18.4	73.7	3.7	1243	55.9	$44.44
24	24	**Old Springfield**	14	5.1	18.0	72.5	3.6	1268	54.6	$44.00
Averages:			14.6	5.7	17.3	71.9	4.0	1353	53.4	$52.67

Yearly Averages Summary *2014*

Ranked By Average Wool Value

Rank	*Team*	*Entrant*	*No. of Wethers*	*Greasy Wool Wt.*	*Micron*	*Schlum. Yield*	*Clean Wool Wt.*	*Fleece Clean Price*	*Body Wt.*	*Wool Value*
1	**1**	**Grogansworth**	15	6.6	18.5	76.3	5.0	1241	55.3	$60.00
2	**16**	**Woodstock**	15	7.2	19.7	72.3	5.1	1202	52.9	$59.93
3	**11**	**Greendale**	15	6.5	17.2	72.7	4.6	1315	48.6	$59.01
4	**14**	**Dungaree Pastoral Co**	15	6.6	17.3	71.4	4.6	1307	58.1	$58.79
5	**20**	**Coolringdon**	15	6.7	18.3	73.5	4.8	1249	53.4	$58.67
6	**17**	**Werralong**	14	6.8	18.8	72.6	4.8	1232	55.8	$58.14
7	**26**	**Buckley**	15	6.7	18.1	71.6	4.7	1271	52.0	$57.88
8	**7**	**Gaerloch**	15	6.5	18.2	73.1	4.6	1275	48.3	$57.28
9	**12**	**Bellvue**	15	6.2	17.7	74.8	4.6	1287	51.8	$56.88
10	**25**	**Curry Flat**	15	6.4	18.4	73.3	4.6	1265	60.7	$56.72
11	**18**	**Muniong**	13	6.4	18.2	73.0	4.6	1261	49.1	$56.23
12	**28**	**Grogansworth**	15	6.1	18.7	77.4	4.6	1230	56.9	$55.48
13	**21**	**Mayfield Partnership**	12	6.0	17.2	73.3	4.4	1316	50.0	$55.33
14	**2**	**Cunningham Plains**	15	6.4	17.9	71.2	4.5	1274	53.8	$55.30
15	**29**	**Tallawong Pastoral Co**	15	5.8	16.7	74.6	4.2	1356	55.6	$55.29
16	**13**	**Pineleigh**	14	6.1	17.6	72.9	4.4	1291	52.7	$55.05
17	**19**	**Athlone**	14	6.7	18.6	68.9	4.5	1241	48.6	$55.01
18	**27**	**Culley**	14	6.5	20.7	73.8	4.8	1170	53.6	$54.80
19	**15**	**Jerangle**	15	6.1	17.1	69.4	4.2	1318	46.1	$53.34
20	**4**	**Bertangles**	13	5.9	17.6	73.6	4.3	1283	55.5	$53.14
21	**6**	**Anunka**	14	5.6	17.1	74.6	4.1	1308	57.2	$51.81
22	**22**	**Merambego**	14	5.8	17.3	72.9	4.1	1297	54.3	$51.75
23	**10**	**Sherwood**	14	5.8	19.0	75.1	4.2	1220	62.5	$50.48
24	**24**	**Old Springfield**	14	5.4	18.5	74.0	4.0	1241	59.3	$47.90
Averages:			14.4	6.3	18.1	73.2	4.5	1269	60.1	$55.59

Summary of the performance during the trial

	No. of Wethers	Yearly Rank	Avg GFW	Avg FD	Avg Yield	Avg CFW	Avg BWT	Avg PRICE	Avg Wool $	Carcass	Total Fleece
Team 1	*Grogansworth*			*GROGANSWORTH*							
2012	15	15	5.7	17.4	75.1	4.2	48.1	1531	$62.61	$0.00	$939.18
2013	15	13	5.8	17.7	74.1	4.3	56.4	1288	$53.33	$0.00	$800.02
2014	15	1	6.6	18.5	76.3	5.0	61.9	1241	$60.00	$67.03	$900.00
Team 2	*Cunningham Plains*			*YARRAWONGA*							
2012	15	6	6.0	16.8	73.9	4.4	53.8	1618	$68.55	$0.00	$1,028.23
2013	15	16	5.7	17.2	70.3	4.0	54.3	1336	$51.38	$0.00	$770.69
2014	15	14	6.4	17.9	71.2	4.5	60.2	1274	$55.30	$64.50	$829.54
Team 4	*Bertangles*			*BOGO*							
2012	14	18	5.2	16.7	74.5	3.8	49.1	1685	$62.05	$0.00	$868.65
2013	13	15	5.4	16.9	72.4	3.8	53.8	1432	$52.27	$0.00	$679.56
2014	13	20	5.9	17.6	73.6	4.3	61.5	1283	$53.14	$66.83	$690.85
Team 6	*Anunka*			*PASTORA*							
2012	15	5	5.1	16.1	76.1	3.8	54.7	1920	$70.73	$0.00	$1,060.98
2013	15	12	5.2	16.5	73.9	3.8	57.3	1470	$53.85	$0.00	$807.70
2014	14	21	5.6	17.1	74.6	4.1	62.8	1308	$51.81	$71.29	$725.32
Team 7	*Gaerloch*			*BOBINGAH*							
2012	15	10	5.0	16.2	73.1	3.6	40.2	1860	$64.26	$0.00	$963.86
2013	15	14	5.7	17.0	71.1	4.0	46.8	1356	$52.32	$0.00	$784.80
2014	15	8	6.5	18.2	73.1	4.6	54.7	1275	$57.28	$54.60	$859.13
Team 10	*Sherwood*			*SEVERN PARK*							
2012	15	24	4.9	17.4	76.1	3.4	52.0	1426	$50.28	$0.00	$754.15
2013	15	23	5.1	18.4	73.7	3.7	61.0	1243	$44.44	$0.00	$666.63
2014	14	23	5.8	19.0	75.1	4.2	68.2	1220	$50.48	$78.13	$706.77
Team 11	*Greendale*			*GREENDALE*							
2012	15	3	5.3	15.9	73.5	3.9	44.5	1933	$72.15	$0.00	$1,082.25
2013	15	1	5.8	16.2	71.2	4.0	48.3	1539	$60.22	$0.00	$903.30
2014	15	3	6.5	17.2	72.7	4.6	55.0	1315	$59.01	$54.99	$885.17

	No. of Wethers	Yearly Rank	Avg GFW	Avg FD	Avg Yield	Avg CFW	Avg BWT	Avg PRICE	Avg Wool $	Carcass	Total Fleece
Team 12	*Bellvue*			*BOBINGAH*							
2012	15	2	5.6	16.2	76.3	4.2	49.2	1856	$75.00	$0.00	$1,125.02
2013	15	8	5.8	16.9	73.3	4.1	52.7	1356	$54.55	$0.00	$818.19
2014	15	9	6.2	17.7	74.8	4.6	58.0	1287	$56.88	$61.07	$853.21
Team 13	*Pineleigh*			*GREENDALE*							
2012	15	11	4.9	16.1	74.0	3.5	48.0	1879	$64.17	$0.00	$962.61
2013	14	17	5.4	16.9	70.9	3.8	52.1	1397	$50.80	$0.00	$711.15
2014	14	16	6.1	17.6	72.9	4.4	58.8	1291	$55.05	$62.40	$770.71
Team 14	*Dungaree Pastoral Co*			*INGLEWOOD / TARA PARK*							
2012	15	7	6.0	16.9	73.1	4.3	53.1	1609	$67.50	$0.00	$1,012.55
2013	15	3	6.1	17.0	70.7	4.2	56.8	1404	$57.45	$0.00	$861.80
2014	15	4	6.6	17.3	71.4	4.6	64.7	1307	$58.79	$71.47	$881.84
Team 15	*Jerangle*			*YARRAWONGA*							
2012	15	21	4.9	16.2	70.9	3.4	36.1	1802	$58.90	$0.00	$883.56
2013	15	18	5.4	16.6	67.7	3.6	45.2	1472	$50.49	$0.00	$757.42
2014	15	19	6.1	17.1	69.4	4.2	52.2	1318	$53.34	$50.47	$800.03
Team 16	*Woodstock*			*MIXED (Hazeldean/Greendale)*							
2012	15	12	6.3	17.8	73.3	4.5	49.5	1455	$63.73	$0.00	$955.94
2013	14	7	6.5	18.6	71.0	4.6	52.8	1234	$54.59	$0.00	$764.25
2014	15	2	7.2	19.7	72.3	5.1	60.0	1202	$59.93	$63.43	$899.01
Team 17	*Werralong*			*MIXED (Greendale/cottage park)*							
2012	15	14	6.1	17.5	72.9	4.3	47.9	1495	$63.00	$0.00	$945.06
2013	13	6	6.5	17.9	71.2	4.5	57.0	1262	$54.77	$0.00	$711.95
2014	14	6	6.8	18.8	72.6	4.8	62.6	1232	$58.14	$68.52	$813.89
Team 18	*Muniong*			*AVONSIDE*							
2012	15	17	5.6	17.0	74.0	4.1	43.7	1578	$62.32	$0.00	$934.82
2013	15	10	5.9	17.1	71.4	4.2	48.9	1336	$53.95	$0.00	$809.26
2014	13	11	6.4	18.2	73.0	4.6	55.5	1261	$56.23	$56.41	$731.05

	No. of Wethers	Yearly Rank	Avg GFW	Avg FD	Avg Yield	Avg CFW	Avg BWT	Avg PRICE	Avg Wool $	Carcass	Total Fleece
Team 19	*Athlone*			*MIXED*							
2012	14	8	6.1	16.8	71.0	4.3	47.5	1637	$67.24	$0.00	$941.32
2013	14	21	5.9	17.9	68.7	4.0	50.1	1271	$49.02	$0.00	$686.30
2014	14	17	6.7	18.6	68.9	4.5	55.4	1241	$55.01	$54.74	$770.18
Team 20	*Coolringdon*			*HAZELDEAN*							
2012	15	16	5.7	16.9	73.4	4.1	45.8	1584	$62.39	$0.00	$935.84
2013	15	11	6.0	17.5	72.7	4.3	53.5	1296	$53.93	$0.00	$808.90
2014	15	5	6.7	18.3	73.5	4.8	60.0	1249	$58.67	$64.29	$880.07
Team 21	*Mayfield Partnership*			*GREENDALE*							
2012	15	4	5.4	16.0	74.4	4.0	46.6	1854	$71.57	$0.00	$1,073.62
2013	14	4	5.7	16.6	71.9	4.1	50.7	1441	$56.18	$0.00	$786.51
2014	12	13	6.0	17.2	73.3	4.4	56.0	1316	$55.33	$57.67	$663.98
Team 22	*Merambego*			*GREENLAND*							
2012	14	20	4.8	16.4	74.2	3.5	39.3	1806	$60.19	$0.00	$842.68
2013	14	20	5.2	16.6	70.9	3.6	52.4	1432	$50.34	$0.00	$704.70
2014	14	22	5.8	17.3	72.9	4.1	60.1	1297	$51.75	$66.26	$724.55
Team 24	*Old Springfield*			*SEVERN PARK*							
2012	15	23	4.8	17.5	75.2	3.5	54.9	1476	$50.58	$0.00	$758.64
2013	14	24	5.1	18.0	72.5	3.6	59.7	1268	$44.00	$0.00	$616.04
2014	14	24	5.4	18.5	74.0	4.0	64.7	1241	$47.90	$72.46	$670.58
Team 25	*Curry Flat*			*HAZELDEAN*							
2012	15	9	6.0	17.1	74.8	4.4	59.8	1560	$66.77	$0.00	$1,001.61
2013	15	5	6.1	17.5	72.4	4.4	60.8	1296	$54.92	$0.00	$823.73
2014	15	10	6.4	18.4	73.3	4.6	67.1	1265	$56.72	$75.54	$850.74
Team 26	*Buckley*			*MIXED*							
2012	15	13	5.7	16.9	72.7	4.0	47.7	1637	$63.48	$0.00	$952.14
2013	15	9	6.2	17.5	70.1	4.2	51.7	1323	$54.30	$0.00	$814.44
2014	15	7	6.7	18.1	71.6	4.7	58.7	1271	$57.88	$61.40	$868.17

	No. of Wethers	Yearly Rank	Avg GFW	Avg FD	Avg Yield	Avg CFW	Avg BWT	Avg PRICE	Avg Wool $	Carcass	Total Fleece
Team	27	CulleyTOWALBA									
2012	15	22	5.5	18.8	74.5	4.0	48.3	1348	$52.52	$0.00	$787.81
2013	15	22	5.7	19.6	72.8	4.1	51.5	1183	$46.55	$0.00	$698.21
2014	14	18	6.5	20.7	73.8	4.8	60.1	1170	$54.80	$64.43	$767.13
Team 28	Grogansworth			GROGANSWORTH							
2012	15	19	5.5	17.4	77.6	4.2	53.3	1508	$61.50	$0.00	$922.57
2013	15	19	5.6	18.0	75.9	4.1	56.0	1257	$50.46	$0.00	$756.94
2014	15	12	6.1	18.7	77.4	4.6	63.0	1230	$55.48	$69.75	$832.21
Team 29	Tallawong Pastoral			TALLAWONG							
2012	15	1	5.3	15.8	77.4	4.0	51.5	1980	$76.77	$0.00	$1,151.61
2013	15	2	5.4	16.1	73.9	3.9	53.0	1582	$60.03	$0.00	$900.45
2014	15	15	5.8	16.7	74.6	4.2	61.4	1356	$55.29	$67.95	$829.38

The fleece rot and fat scores were collected pre shearing 2013.

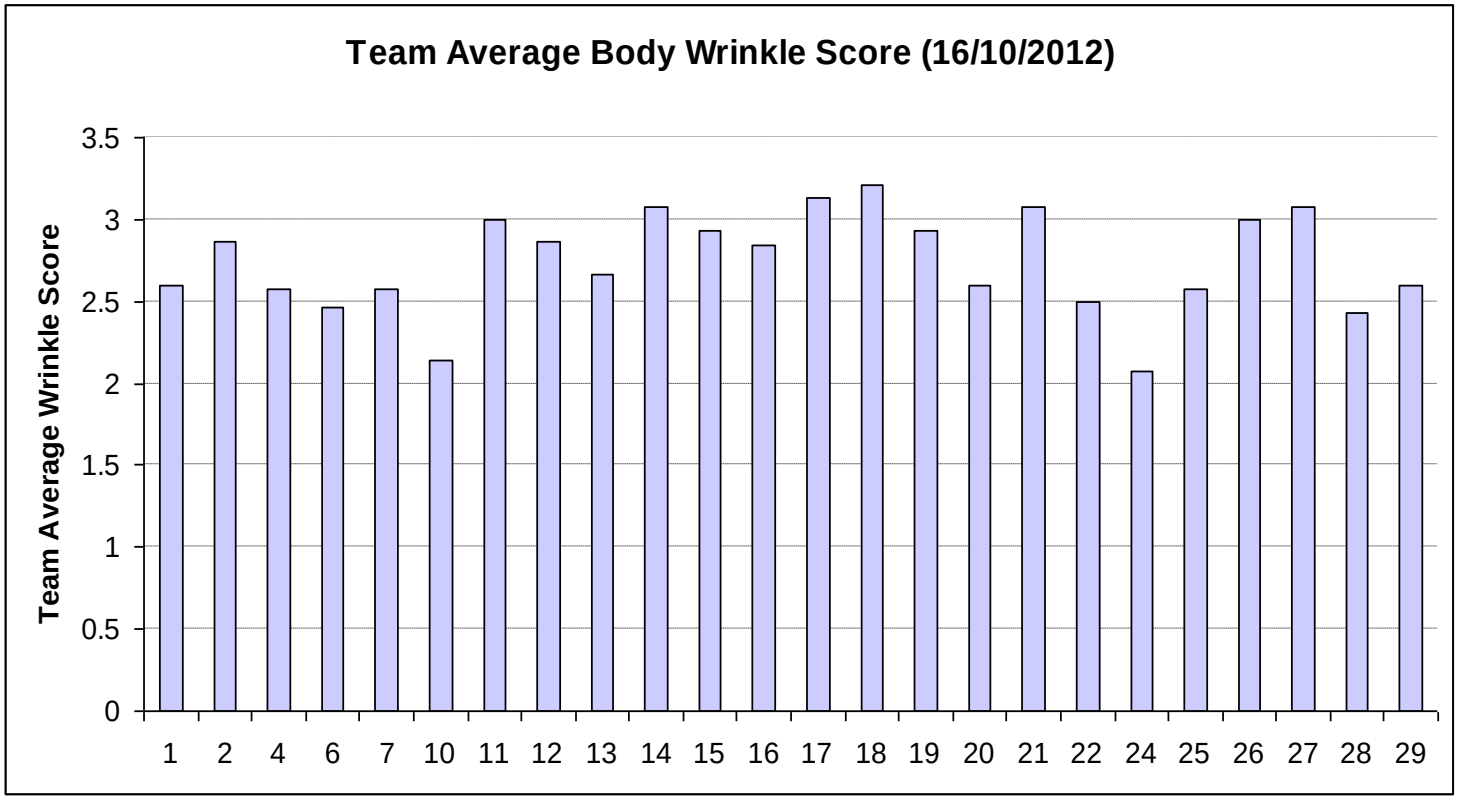
The fleece rot score goes from 1 to 5, with 1 showing no signs of fleece rot with a 5 score have colour and crusty material larger then 10 cms. Each sheep is given a score and the data below is the average for the team. To get a score greater than 1 means that some sheep had scores of 2 to 4. There were no scores 5 in the trial. The risk of body strike increases with an increased fleece rot score.

The same method applies to the fat scores. Each wether is accessed and the fat score below is the average for the team. The timing of this assessment was at the end of winter.

The body wrinkle scores were done after the first shearing (2012), again each wether is assessed and the average is in the graph below. A wrinkle score of 1 is what you would see on a plain xbred ewe. The majority of merino sheep are in the range of 2 to 3.5. The 4 and 5 scores are the sheep the industry can do without. There were some 4 scores in the trial. The variation within the teams ranged between 0.6 to 1 score, with the higher range for the higher average scores.

On the AWI web site, search for fleece rot or wrinkle score and you will get the booklet which shows the differences for all the scores.

Team No	Fat score	Fleece rot score	Team No	Fat score	Fleece rot score	Team No	Fat score	Fleece rot score	Team No	Fat score	Fleece rot score
1	2.5	1.2	**11**	2.3	1	**17**	2.7	1	**24**	2.4	1.2
2	2.3	1.1	**12**	2.5	1	**18**	2.2	1	**25**	2.5	1.1
4	2.3	1	**13**	2.6	1	**19**	2.2	1	**26**	2.6	1.1
6	2.5	1.1	**14**	2.9	1	**20**	2.5	1.3	**27**	2.6	1
7	2.6	1	**15**	2.3	1	**21**	2.4	1.1	**28**	2.3	1.4
10	2.3	1	**16**	2.4	1.2	**22**	2.2	1	**29**	2.6	1.1


Team Average Body Wrinkle Score (16/10/2012)
Team Average Wrinkle Score
3.5
3
2.5
2
1.5
1
0.5
0
1
2
4
6
7
10
11
12
13
14
15
16
17
18
19
20
21
22
24
25
26
27
28
29