



## ASSUMPTIONS MERINO WETHERS (20 micron)

### 1. Flock Parameters

Cull age	6.5 years	Adult mortality	2%
Replacement age	1.5 years	Body weight	59 kg
Productive life	5.0 years	DSE rating	1.2
Stocking rate/ha	10 dse's		

Sheep and wool prices thanks to MLA market reporting, AuctionsPlus and AWEX. Wool cuts based on wether trial data  
Pasture maintenance = 90kg/ha single super @ \$730t + \$7.00/ha application

### 2. Flock Structure

Sheep numbers are modified to reflect mortality throughout the year.

Age	No. of wethers
0.5	1476
1.5	1456
2.5	1428
3.5	1400
4.5	1372
5.5	1344
6.5	0
<b>Total</b>	<b>8475</b>

1476 replacements bought

1341 CFA's sold

### 3. Wool Prices

Merino Wether	Micron	AWEX Type	Clean price	Yield	Greasy price	Specifications (all 35n/ktex)	Proportion of Clip
- Fleece GTM	20	MF5B.	\$14.22	65%	\$9.27	1%VMB, 90mm	80%
- Skirtings/bellies	19	MP5B.	\$13.12	56%	\$7.32	4.8%VMB, 80mm	15%
- Cardings	20	MZ2B.	\$7.12	52%	\$3.69	2.9%VMB.	5%
					<b>\$8.70</b>		used in budget

### 4. Sensitivity Tables - Changes in Gross Margin \$/DSE (includes fodder)

Wool Cut kg/hd	Wether Greasy Wool Price \$/Kg greasy				
	\$4.35	\$6.53	<b>\$8.70</b>	\$10.88	\$13.05
3.03 kg	-\$11.09	-\$5.69	-\$0.29	\$5.10	\$10.50
4.55 kg	(\$6.16)	\$1.93	\$10.03	\$18.12	\$26.22
<b>6.06 kg</b>	(\$1.23)	\$9.56	<b>\$20.35</b>	\$31.14	\$41.93
7.58 kg	\$3.69	\$17.18	\$30.67	\$44.16	\$57.65
9.10 kg	\$8.62	\$24.81	\$40.99	\$57.18	\$73.37

Crutching \$/hd	Total shearing cost \$/hd				
	\$4.50	\$6.76	<b>\$9.01</b>	\$11.26	\$13.51
\$0.92	\$25.53	\$23.33	\$21.12	\$18.92	\$16.72
\$1.38	\$25.14	\$22.94	\$20.74	\$18.53	\$16.33
<b>\$1.84</b>	\$24.75	\$22.55	<b>\$20.35</b>	\$18.15	\$15.94
\$2.30	\$24.37	\$22.17	\$19.96	\$17.76	\$15.56
\$2.76	\$23.98	\$21.78	\$19.58	\$17.37	\$15.17

CFA wethers \$/hd	Replacement wethers \$/Hd				
	\$46.27	\$69.40	<b>\$92.53</b>	\$115.66	\$138.80
\$78.28	\$17.15	\$13.74	\$10.33	\$6.91	\$3.50
\$117.42	\$22.17	\$18.75	\$15.34	\$11.92	\$8.51
<b>\$156.56</b>	\$27.18	\$23.76	<b>\$20.35</b>	\$16.94	\$13.52
\$195.70	\$32.19	\$28.78	\$25.36	\$21.95	\$18.53
\$234.84	\$37.20	\$33.79	\$30.37	\$26.96	\$23.55

Note: The above sensitivity tables vary price and quantities by +/- 25% and +/- 50%.

M.Weth. Wean. kg/Hd/wk	Feeding Adult Wethers kg/Hd/week				
	1.73 kg	2.60 kg	<b>3.46 kg</b>	4.33 kg	5.19 kg
1.4 kg	\$22.63	\$21.83	\$21.03	\$20.23	\$19.43
2.1 kg	\$22.29	\$21.49	\$20.69	\$19.89	\$19.09
<b>2.8 kg</b>	\$21.95	\$21.15	<b>\$20.35</b>	\$19.55	\$18.75
3.5 kg	\$21.61	\$20.81	\$20.01	\$19.21	\$18.41
4.2 kg	\$21.27	\$20.47	\$19.67	\$18.87	\$18.07

Adult Wethers kg/hd/wk	Grain price \$/Tonne				
	\$165.00	\$247.50	<b>\$330.00</b>	\$412.50	\$495.00
1.7 kg	\$23.43	\$22.69	\$21.95	\$21.21	\$20.47
2.6 kg	\$23.03	\$22.09	\$21.15	\$20.21	\$19.27
<b>3.5 kg</b>	\$22.63	\$21.49	<b>\$20.35</b>	\$19.21	\$18.07
4.3 kg	\$22.23	\$20.89	\$19.55	\$18.21	\$16.87
5.2 kg	\$21.83	\$20.29	\$18.75	\$17.21	\$15.67

Note: The feeding sensitivity tables vary quantities/cost by +/- 25% and +/- 50%.