

# MERINO EWES (20 micron) - Merino Rams

Farm Enterprise Budget Series - Oct 2022 (ave. wool and sheep price 1 Apr to 30 Sep )

Flock size: 1000 ewes  
 Ewe body weight: 59 kgs  
 DSE rating: 2.32 DSEs/ewe

## INCOME

					Standard Budget (\$)	Your Budget (\$)
<b>Wool</b>	<b>number</b>	<b>class</b>	<b>kg /hd</b>	<b>\$/kg</b>		
Shear	960	ewes	5.64	\$8.60	\$46,567	
	404	ewe hoggets	5.64	\$9.69	\$22,081	
	20	rams	7.50	\$8.61	\$1,292	
	413	ewe lambs	1.18	\$4.37	\$2,122	
Crutch	1020	adults	0.40	\$6.26	\$2,556	
	413	lambs	0.30	\$6.26	\$776	
<b>Sheep Sales</b>	<b>number</b>	<b>class</b>	<b>\$/hd</b>			
	177	CFA ewes	\$152.66	(26.0 kg cwt)	\$27,022	
	4	CFA rams	\$165.40		\$662	
	430	weth weaners	\$92.53	(4 months)	\$39,788	
	187	ewe hoggets	\$221.00	(16 months)	\$41,327	
<b>Fodder</b>	<b>tonnes</b>	<b>type</b>	<b>value per tonne</b>			
Graz/fodder crop	0 t	0	\$0 /t		\$0	
<b>A. Total Income:</b>					<b>\$184,190</b>	

## VARIABLE COSTS

<b>Replacements</b>	<b>number</b>	<b>class</b>	<b>cost (\$)/hd</b>	<b>reps</b>		
	4	rams	\$2,000.00		\$8,000	
cartage	4	rams	\$55.00		\$220	
<b>Wool Harvesting &amp; Selling Costs</b>						
Shearing	1777	ewes/hogg/lmb	\$9.01	1	\$16,005	
	20	rams	\$12.48	1	\$250	
Crutching	1413	ewes/lamb	\$1.76	1	\$2,486	
	20	rams	\$3.02	1	\$60	
Wool tax			1.50%		\$1,131	
Commission, warehouse, testing charges			\$44.10/ bale		\$2,161	
Wool - cartage	49	bales	\$16.00		\$784	
- packs	49	packs	\$14.00		\$686	
<b>Sheep Health</b>	<b>number</b>	<b>class</b>				
Broadspectrum	1020	adults/hoggets	\$1.59	2	\$3,244	
	421	ewe lambs	\$0.74	3	\$935	
	430	wether lambs	\$0.74	1	\$318	
Narrowspectrum	1020	adults/hoggets	\$0.39	1	\$398	
	421	ewe lambs	\$0.20	1	\$84	
Lice control	1797	adults/Hog/wean	\$1.64	1	\$2,947	
Fly control (long acting)	1020	Adults	\$2.34	1	\$2,387	
Fly control (short acting)	413	ewe weaners	\$0.50	1	\$207	
Vaccination- 6 in 1	1020	Adults	\$0.38	1	\$388	
	890	lambs	\$0.38	2	\$676	
Mark (includes OJD)	890	lambs	\$6.32	1	\$5,623	
Scanning	1000	ewes	\$0.80	1	\$800	
<b>Livestock Selling Costs</b>						
Livestock cartage	798	sale sheep	\$2.50		\$1,995	
Commission on sheep sales			4.50%		\$4,896	
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$2,311	
<b>Pasture maintenance</b>	232 ha	@	\$73 /ha		\$16,866	
<b>Fodder</b>						
Ewes/hoggets	1020	3.5 kg/hd/week	\$0.33 /kg	10 weeks	\$11,646	
Ewe lambs	413	2.8 kg/hd/week	\$0.33 /kg	12 weeks	\$4,579	
Wether lambs	430	2.8 kg/hd/week	\$0.33 /kg	0 weeks	\$0	
<b>Total feed</b>		49,169 kg	@	\$330	<b>\$16,226</b>	
Graz/fodder crop	0 ha	@	\$0 /ha		\$0	
<b>B. Total Variable Costs:</b>					<b>\$92,084</b>	

	excl. fodder	incl. fodder
<b>GROSS MARGIN (A-B)</b>	<b>\$108,332.18</b>	<b>\$92,106.48</b>
<b>GROSS MARGIN /EWE</b>	<b>\$108.33</b>	<b>\$92.11</b>
<b>GROSS MARGIN /DSE</b>	<b>\$46.69</b>	<b>\$39.70</b>
<b>GROSS MARGIN /HA</b>	<b>\$466.95</b>	<b>\$397.01</b>

## ASSUMPTIONS MERINO EWES (20 micron) - Merino Rams

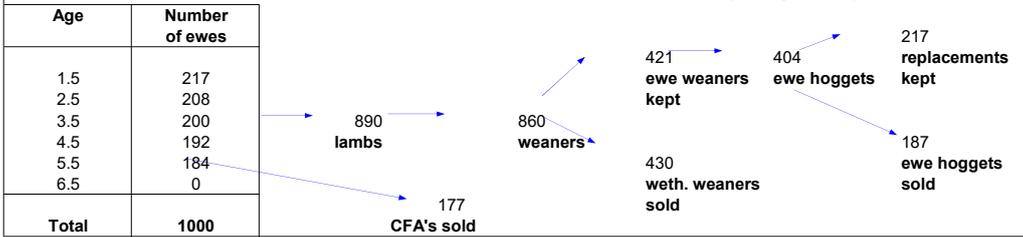
### 1. Flock Parameters

Flock mortality	4%	Ram %	2%
Productive life	5 years	Marking %	89%
Ewe body weight	59 kg	Weaning %	86%
DSE rating /ewe	2.32	Weaning age	3 months
Stocking rate/ha	10 dse's		

Pasture maintenance = 90kg/ha single super @ \$730t + \$7.00/ha application

### 2. Flock Structure

Sheep numbers are modified to reflect mortality throughout the year.



### 3. Wool Prices

Merino Ewe	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	75%
- Skirtings/bellies	19	MP5B.	\$13.12	56%	\$7.32	4.8%VMB, 80mm	20%
- Cardings	20	MZ2B.	\$7.12	52%	\$3.69	2.9%VMB.	5%
					<b>\$8.60</b>		used in budget

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

Wool Cut kg/hd	Adult Greasy Wool Price \$/Kg greasy				
	\$4.30	\$6.45	\$8.60	\$10.75	\$12.90
2.82 kg	\$25.35	\$27.82	\$30.29	\$32.77	\$35.24
4.23 kg	\$27.57	\$31.27	\$34.98	\$38.69	\$42.40
5.64 kg	\$29.82	\$34.76	<b>\$39.70</b>	\$44.64	\$49.59
7.05 kg	\$32.03	\$38.21	\$44.39	\$50.57	\$56.74
8.46 kg	\$34.28	\$41.69	\$49.11	\$56.52	\$63.94

Hog. Wool Cut kg/hd	Hogget Greasy Wool Price \$/Kg greasy				
	\$4.85	\$7.27	\$9.69	\$12.11	\$14.54
2.82 kg	\$32.86	\$34.03	\$35.21	\$36.38	\$37.55
4.23 kg	\$33.94	\$35.70	\$37.45	\$39.21	\$40.97
5.64 kg	\$35.01	\$37.36	<b>\$39.70</b>	\$42.04	\$44.39
7.05 kg	\$36.09	\$39.02	\$41.95	\$44.88	\$47.81
8.46 kg	\$37.13	\$40.65	\$44.16	\$47.68	\$51.20

Ewe hoggets \$/Hd	Value of wether weaners \$/Hd				
	\$46.27	\$69.40	\$92.53	\$115.66	\$138.80
\$110.50	\$23.01	\$27.10	\$31.20	\$35.29	\$39.38
\$165.75	\$27.26	\$31.35	\$35.45	\$39.54	\$43.64
\$221.00	\$31.51	\$35.61	<b>\$39.70</b>	\$43.80	\$47.89
\$276.25	\$35.76	\$39.86	\$43.95	\$48.05	\$52.14
\$331.50	\$40.02	\$44.11	\$48.21	\$52.30	\$56.40

CFA ewes \$/Hd	Weaning %				
	43%	65%	86%	108%	129%
\$76.33	\$8.12	\$21.08	\$34.14	\$47.31	\$60.37
\$114.50	\$10.91	\$23.86	\$36.92	\$50.09	\$63.15
\$152.66	\$13.69	\$26.64	<b>\$39.70</b>	\$52.87	\$65.93
\$190.83	\$16.47	\$29.42	\$42.48	\$55.65	\$68.71
\$229.00	\$19.25	\$32.20	\$45.26	\$58.43	\$71.49

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

Crutching \$/hd	Total shearing cost \$/hd				
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51
\$0.88	\$43.69	\$41.96	\$40.24	\$38.51	\$36.79
\$1.32	\$43.42	\$41.69	\$39.97	\$38.24	\$36.52
<b>\$1.76</b>	\$43.15	\$41.43	<b>\$39.70</b>	\$37.98	\$36.25
\$2.20	\$42.88	\$41.16	\$39.43	\$37.71	\$35.98
\$2.64	\$42.61	\$40.89	\$39.17	\$37.44	\$35.72

Ewes/hoggets kg/hd/wk	Grain price \$/Tonne				
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00
1.7 kg	\$44.45	\$43.33	\$42.21	\$41.09	\$39.97
2.6 kg	\$43.83	\$42.39	\$40.96	\$39.52	\$38.09
<b>3.5 kg</b>	\$43.20	\$41.45	<b>\$39.70</b>	\$37.95	\$36.20
4.3 kg	\$42.57	\$40.51	\$38.45	\$36.38	\$34.32
5.2 kg	\$41.94	\$39.57	\$37.19	\$34.82	\$32.44

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

Sheep and wool prices thanks to MLA market reporting, AuctionsPlus and AWEX. Wool cuts based on wether trial data