

**MERINO EWES (18 micron) - Merino Rams**  
**Farm Enterprise Budget Series - 2022 (ave.wool and sheep price 1 Apr to 30 Sep )**

**Flock size:** 4762 ewes      **Farm Size** 1000Ha  
**Ewe body weight:** 53 kgs  
**DSE rating:** 2.10 DSEs/ewe

**INCOME**

	number	class	kg /hd	\$/kg
<b>Wool</b>				
Shear	4572	ewes	5.10	\$13.13
	1859	ewe hoggets	5.10	\$15.89
	95	rams	7.00	\$13.13
	1936	ewe lambs	1.06	\$5.84
<b>Crutch</b>	4857	adults	0.40	\$6.26
	1936	ewe lambs	0.30	\$6.26
<b>Sheep Sales</b>				
	841	CFA ewes	\$136.77	(23.3 kg cwt)
	19	CFA rams	\$165.40	
	1976	weth weaners	\$92.53	(4 months)
	827	ewe hoggets	\$221.00	(16 months)

<b>Fodder</b>	tonnes	type	value per tonne
Graz/fodder crop	0 t	0	\$0 /t

**A. Total Income:**

**VARIABLE COSTS**

<b>Replacements</b>	number	class	cost (\$)/hd	reps
	19	rams	\$2,000.00	
cartage	19	rams	\$55.00	

**Wool Harvesting & Selling Costs**

Shearing	8367	ewes/hogg/lmb	\$9.01	1
	95	rams	\$12.48	1
Crutching	6698	ewes/hogg/lmb	\$1.76	1
	95	rams	\$3.02	1
Wool tax			1.50%	
Commission, warehouse, testing charges			\$37.13/ bale	
Wool - cartage	211	bales	\$16.00	
- packs	211	packs	\$14.00	

**Sheep health**

Broadspectrum	4857	adults	\$1.44	2	\$13,988
	1936	ewe lambs	\$0.74	3	\$4,298
	1976	wether lamb	\$0.74	1	\$1,462
Narrowspectrum	4857	adults	\$0.39	1	\$1,894
	1859	lambs	\$0.20	1	\$372
Lice control	8462	adults/rams/lambs	\$1.64	1	\$13,878
Fly control (long acting)	4857	adults	\$2.34	1	\$11,365
Fly control (short acting)	1936	ewe weaners	\$0.50	1	\$968
Vaccination- 6 in 1	4857	adults	\$0.38	1	\$1,846
	4095	lambs	\$0.38	2	\$3,112
Mark (incl. OJD)	4095	lambs	\$6.32	1	\$25,872
Scanning	4762	ewes	\$0.80	1	\$3,810

**Livestock Selling Costs**

Livestock cartage	3,663	sale sheep	\$2.50		\$9,158
Commission on sheep sales			4.50%		\$21,770
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$9,951

<b>Pasture maintenance</b>	1000 ha	@	\$73 /ha		\$72,700
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**Fodder**

			Supplementary feed @ \$330 /t		
Ewes/hoggets/Rams	4857	3.2 kg/hd/week	\$0.33 /kg	10 weeks	\$51,290
Ewe lambs	1936	2.8 kg/hd/week	\$0.33 /kg	12 weeks	\$21,466
Wether lambs	1976	2.8 kg/hd/week	\$0.33 /kg	0 weeks	\$0
<b>Total Feed</b>		220,474 kg	@	\$330	<b>\$72,756</b>
Graz/fodder crop	0 ha	@	\$200 /ha		\$0

**B. Total Variable Costs:**

	excl. fodder	incl. fodder
<b>GROSS MARGIN (A-B)</b>	<b>\$631,569.96</b>	<b>\$558,813.67</b>
<b>GROSS MARGIN /EWE</b>	<b>\$132.63</b>	<b>\$117.35</b>
<b>GROSS MARGIN /DSE</b>	<b>\$63.16</b>	<b>\$55.88</b>
<b>GROSS MARGIN /HA</b>	<b>\$631.56</b>	<b>\$558.80</b>

## ASSUMPTIONS MERINO EWES (18 micron) - Merino Rams

1. Flock Parameters			
Flock mortality	4%	Ram %	2%
Productive life	5 years	Marking %	86%
Ewe body weight	53 kg	Weaning %	83%
DSE rating /ewe	2.10	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.			
<b>Age</b>	<b>Number of ewes</b>				
1.5	1032				
2.5	990				
3.5	951				
4.5	913				
5.5	876				
6.5	0				
<b>Total</b>	<b>4762</b>				

  

	4095 lambs	3952 weaners	1936 ewe weaners kept	1859 ewe hoggets	1032 replacements kept
			1976 weth. weaners sold		827 ewe hoggets sold
		841 CFA's sold			

3. Wool Prices - Wool prices thanks to AWEX							
Merino Ewe	Micron	AWEX Type	Clean price	Yield	Greasy price	Specifications (all 35n/ktex)	Proportion of Clip
- Fleece GTM	18	MF4B.	\$20.81	68%	\$14.19	1%VMB, 90mm	75%
- Skirtings/bellies	17	MP5B.	\$19.49	58%	\$11.25	4.8%VMB, 80mm	20%
- Cardings	18	MZ2B.	\$8.75	53%	\$4.64	2.9%VMB.	5%
					<b>\$13.13</b>		used in budget

4. Sensitivity Tables - Changes in Gross Margin \$/DSE (includes fodder)						
Wool Cut kg/hd	Adult Greasy Wool Price					
	\$/Kg greasy					
	\$6.57	\$5.91	<b>\$13.13</b>	\$20.35	\$19.70	
2.55 kg	\$33.69	\$32.93	\$41.23	\$49.52	\$48.77	
3.83 kg	\$37.24	\$36.11	\$48.55	\$61.00	\$59.87	
<b>5.10 kg</b>	\$40.80	\$39.29	<b>\$55.88</b>	\$72.47	\$70.96	
6.38 kg	\$44.35	\$42.46	\$63.20	\$83.94	\$82.05	
7.65 kg	\$47.90	\$45.64	\$70.53	\$95.41	\$93.15	
Hog. Wool Cut kg/hd	Hogget Greasy Wool Price					
	\$/Kg greasy					
	\$7.95	\$11.92	<b>\$15.89</b>	\$19.86	\$23.84	
2.55 kg	\$44.92	\$46.78	\$48.63	\$50.49	\$52.34	
3.83 kg	\$46.69	\$49.47	\$52.26	\$55.04	\$57.82	
<b>5.10 kg</b>	\$48.46	\$52.17	<b>\$55.88</b>	\$59.59	\$63.30	
6.38 kg	\$50.22	\$54.86	\$59.50	\$64.14	\$68.77	
7.65 kg	\$51.99	\$57.55	\$63.12	\$68.69	\$74.25	
Ewe hoggets \$/Hd	Value of wether weaners					
	\$/Hd					
	\$46.27	\$69.40	<b>\$92.53</b>	\$115.66	\$138.80	
\$110.50	\$38.42	\$42.79	\$47.15	\$51.52	\$55.88	
\$165.75	\$42.79	\$47.15	\$51.52	\$55.88	\$60.25	
<b>\$221.00</b>	\$47.15	\$51.52	<b>\$55.88</b>	\$60.25	\$64.61	
\$276.25	\$51.51	\$55.88	\$60.24	\$64.61	\$68.97	
\$331.50	\$55.88	\$60.24	\$64.61	\$68.97	\$73.34	
CFA ewes \$/Hd	Weaning %					
	42%	62%	83%	104%	125%	
\$68.39	\$19.96	\$35.17	\$50.39	\$65.60	\$80.81	
\$102.58	\$22.71	\$37.92	\$53.13	\$68.35	\$83.56	
<b>\$136.77</b>	\$25.45	\$40.66	<b>\$55.88</b>	\$71.09	\$86.30	
\$170.97	\$28.20	\$43.41	\$58.63	\$73.84	\$89.05	
\$205.16	\$30.94	\$46.16	\$61.37	\$76.59	\$91.80	
Crutching \$/hd	Total shearing cost					
	\$/hd					
	\$4.50	\$6.76	<b>\$9.01</b>	\$11.26	\$13.51	
\$0.88	\$60.24	\$58.35	\$56.47	\$54.59	\$52.70	
\$1.32	\$59.94	\$58.06	\$56.17	\$54.29	\$52.41	
<b>\$1.76</b>	\$59.65	\$57.76	<b>\$55.88</b>	\$54.00	\$52.11	
\$2.20	\$59.35	\$57.47	\$55.59	\$53.70	\$51.82	
\$2.64	\$59.06	\$57.17	\$55.29	\$53.41	\$51.52	
Ewes/hoggets kg/hd/wk	Grain price \$/Tonne					
		\$165.00	\$247.50	<b>\$330.00</b>	\$412.50	\$495.00
1.6 kg	\$60.80	\$59.62	\$58.44	\$57.27	\$56.09	
2.4 kg	\$60.16	\$58.66	\$57.16	\$55.66	\$54.17	
<b>3.2 kg</b>	\$59.52	\$57.70	<b>\$55.88</b>	\$54.06	\$52.24	
4.0 kg	\$58.88	\$56.74	\$54.60	\$52.46	\$50.32	
4.8 kg	\$58.24	\$55.78	\$53.32	\$50.86	\$48.40	

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