

MERINO EWES (18 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: **53 kgs**
 DSE rating: **2.10 DSEs/ewe**

					Standard Budget (\$)	Your Budget (\$)
INCOME						
Wool	number	class	kg /hd	\$/kg		
Shear	960	ewes	5.10	\$13.13	\$64,300	
	391	ewe hoggets	5.10	\$15.89	\$31,694	
	20	rams	7.00	\$13.13	\$1,838	
	399	ewe lambs	1.06	\$5.84	\$2,475	
Crutch	1020	adults/hoggets	0.40	\$6.26	\$2,556	
	399	ewe lambs	0.30	\$6.26	\$750	
Sheep Sales	number	class	\$/hd			
	177	CFA ewes	\$136.77	(23.3 kg cwt)	\$24,209	
	4	CFA rams	\$165.40		\$662	
	415	weth weaners	\$92.53	(4 months)	\$38,400	
	174	ewe hoggets	\$221.00	(16 months)	\$38,454	
Fodder	tonnes	type	value per tonne			
Graz/fodder crop	0 t	0	\$0 /t		\$0	
A. Total Income:					\$205,338	
VARIABLE COSTS						
Replacements	number	class	cost (\$)/hd	reps		
	4	rams	\$2,000.00		\$8,000	
cartage	4	rams	\$55.00		\$220	
Wool Harvesting & Selling Costs						
Shearing	1750	ewes/hogg/lmb	\$9.01	1	\$15,762	
	20	rams	\$12.48	1	\$250	
Crutching	1399	ewes/hogg/lmb	\$1.76	1	\$2,462	
	20	rams	\$3.02	1	\$60	
Wool tax			1.50%		\$1,554	
Commission, warehouse, testing charges			\$44.10/ bale		\$1,940	
Wool - cartage	44	bales	\$16.00		\$704	
- packs	44	packs	\$14.00		\$616	
Sheep health						
Broadspectrum	1020	adults/hoggets	\$1.44	2	\$2,938	
	407	ewe lambs	\$0.74	3	\$904	
	415	wether lamb	\$0.74	1	\$307	
Narrowspectrum	1020	adults/hoggets	\$0.39	1	\$398	
	391	lambs	\$0.20	1	\$78	
Lice control	1770	adults/hoggets	\$1.64	1	\$2,903	
Fly control (long acting)	1020	adults/hoggets	\$2.34	1	\$2,387	
Fly control (short acting)	399	ewe weaners	\$0.50	1	\$200	
Vaccination- 6 in 1	1020	adults/hoggets	\$0.38	1	\$388	
	860	lambs	\$0.38	2	\$654	
Mark (incl. OJD)	860	lambs	\$6.32	1	\$5,433	
Scanning	1000	ewes	\$0.80	1	\$800	
Livestock Selling Costs						
Livestock cartage	770	sale sheep	\$2.50		\$1,925	
Commission on sheep sales			4.50%		\$4,578	
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$2,198	
Pasture maintenance	210 ha	@	\$73 /ha		\$15,267	
Fodder						
Supplementary feed @ \$330 /t						
Ewes/Hoggets	1020	3.2 kg/hd/week	\$0.33 /kg	10 weeks	\$10,771	
Ewe lambs	399	2.8 kg/hd/week	\$0.33 /kg	12 weeks	\$4,424	
Wether lambs	415	2.8 kg/hd/week	\$0.33 /kg	0 weeks	\$0	
Total Feed		46,046 kg	@	\$330	\$15,195	
Graz/fodder crop	0 ha	@	\$0 /ha		\$0	
B. Total Variable Costs:					\$88,119	
GROSS MARGIN (A-B)					excl. fodder	incl. fodder
					\$132,413.97	\$117,218.66
GROSS MARGIN /EWE					\$132.41	\$117.22
GROSS MARGIN /DSE					\$63.05	\$55.82
GROSS MARGIN /HA					\$630.54	\$558.18

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.			
Age	Number of ewes				
1.5	217				
2.5	208				
3.5	200				
4.5	192				
5.5	184				
6.5	0				
Total	1000				

860 lambs → 830 weaners → 407 ewe weaners kept → 391 ewe hoggets → 217 replacements kept

177 CFA's sold → 415 weth. weaners sold → 174 ewe hoggets 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%
					\$13.13		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	\$9.85	\$13.13	\$16.41	\$19.70	
2.55 kg	\$33.66	\$37.43	\$41.20	\$44.97	\$48.74	
3.83 kg	\$37.18	\$42.84	\$48.49	\$54.15	\$59.80	
5.10 kg	\$40.74	\$48.28	\$55.82	\$63.36	\$70.90	
6.38 kg	\$44.26	\$53.69	\$63.11	\$72.54	\$81.96	
7.65 kg	\$47.78	\$59.09	\$70.40	\$81.71	\$93.02	
Hog. Wool Cut kg/hd	Hogget Greasy Wool Price \$/Kg greasy					
	\$7.95	\$11.92	\$15.89	\$19.86	\$23.84	
2.55 kg	\$44.85	\$46.70	\$48.56	\$50.42	\$52.28	
3.83 kg	\$46.60	\$49.39	\$52.17	\$54.96	\$57.75	
5.10 kg	\$48.39	\$52.10	\$55.82	\$59.53	\$63.25	
6.38 kg	\$50.14	\$54.78	\$59.43	\$64.07	\$68.72	
7.65 kg	\$51.89	\$57.46	\$63.04	\$68.61	\$74.19	
Ewe hoggets \$/Hd	Value of wether weaners \$/Hd					
	\$46.27	\$69.40	\$92.53	\$115.66	\$138.80	
\$110.50	\$38.34	\$42.71	\$47.07	\$51.44	\$55.81	
\$165.75	\$42.72	\$47.08	\$51.45	\$55.81	\$60.18	
\$221.00	\$47.09	\$51.45	\$55.82	\$60.18	\$64.55	
\$276.25	\$51.46	\$55.82	\$60.19	\$64.56	\$68.92	
\$331.50	\$55.83	\$60.20	\$64.56	\$68.93	\$73.29	
CFA ewes \$/Hd	Weaning %					
	42%	62%	83%	104%	125%	
\$68.39	\$19.79	\$35.04	\$50.31	\$65.43	\$80.71	
\$102.58	\$22.55	\$37.79	\$53.07	\$68.19	\$83.46	
\$136.77	\$25.30	\$40.54	\$55.82	\$70.94	\$86.22	
\$170.97	\$28.05	\$43.29	\$58.57	\$73.69	\$88.97	
\$205.16	\$30.80	\$46.05	\$61.32	\$76.44	\$91.72	
Crutching \$/hd	Total shearing Cost \$/hd					
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51	
\$0.88	\$60.16	\$58.28	\$56.40	\$54.53	\$52.65	
\$1.32	\$59.86	\$57.99	\$56.11	\$54.24	\$52.36	
\$1.76	\$59.57	\$57.69	\$55.82	\$53.94	\$52.07	
\$2.20	\$59.28	\$57.40	\$55.53	\$53.65	\$51.77	
\$2.64	\$58.99	\$57.11	\$55.23	\$53.36	\$51.48	
Ewes/hoggets kg/hd/wk	Grain price \$/Tonne					
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00	
1.6 kg	\$60.72	\$59.55	\$58.38	\$57.22	\$56.05	
2.4 kg	\$60.08	\$58.59	\$57.10	\$55.61	\$54.12	
3.2 kg	\$59.44	\$57.63	\$55.82	\$54.01	\$52.20	
4.0 kg	\$58.80	\$56.67	\$54.54	\$52.41	\$50.28	
4.8 kg	\$58.15	\$55.70	\$53.25	\$50.80	\$48.35	

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