

MERINO EWES (20 micron) - Maternal Meat 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: **2.77 DSEs/ewe**

INCOME

					Standard Budget (\$)	Your Budget (\$)
Wool	number	class	kg /hd	\$/kg		
Shear	950	ewes	5.16	\$8.60	\$42,118	
	20	rams	4.50	\$2.09	\$188	
	440	ewe lambs	1.13	\$4.21	\$2,084	
	429	ewe hoggets	4.50	\$4.21	\$8,127	
Crutch	1020	adults	0.40	\$6.26	\$2,556	
	880	lambs	0.25	\$2.40	\$529	
Sheep Sales	number	class	\$/hd			
	171	CFA ewes	\$152.66	(26.0 kg cwt)	\$26,106	
	4	CFA rams	\$165.40		\$662	
8 months	440	weth lambs	\$146.20	(20.0 kg cwt)	\$64,328	
	429	ewe Hoggets	\$281.00	(16 months)	\$120,549	
Fodder	tonnes	type	value per tonne			
Graz/fodder crop	0 t	0	\$0 /t		\$0	
A. Total Income:					\$267,246	

VARIABLE COSTS

Replacements	number	class	cost (\$)/hd	reps		
	4	rams	\$1,200.00		\$4,800	
	221	ewes (1.5 years)	\$221.00		\$48,841	
Cartage	221	ewes (1.5 years)	\$2.50		\$553	
Cartage	4	rams	\$55.00		\$220	
Wool Harvesting & Selling Costs						
Shearing	1399	adults/hoggets	\$9.01	1	\$12,601	
	20	rams	\$12.48	1	\$250	
	440	ewe lambs	\$9.01	1	\$3,963	
Crutching	1880	ewe/lambs	\$1.76	1	\$3,308	
	20	rams	\$3.02	1	\$60	
Wool tax			1.50%		\$834	
Commission, warehouse, testing charges			\$44.10/ bale		\$1,985	
Wool - cartage	45	bales	\$16.00		\$720	
- packs	45	packs	\$14.00		\$630	
Sheep Health	number	class				
Broadspectrum	1020	adults	\$1.59	2	\$3,244	
	880	lambs	\$0.74	3	\$1,954	
Narrowspectrum	1020	adults/hoggets	\$0.39	1	\$398	
	880	lambs	\$0.20	1	\$176	
Lice control	1399	adults	\$1.64	1	\$2,294	
	440	ewe lambs	\$1.23	1	\$541	
Fly control (long acting)	1020	adults/hoggets	\$2.34	1	\$2,387	
Fly control (short acting)	880	weaners	\$0.50	1	\$440	
Vaccination- 6 in 1	1020	adults	\$0.38	1	\$388	
	930	lambs	\$0.38	2	\$707	
Mark	465	wether lambs	\$2.79	1	\$1,297	
Mark/OJD vaccine	465	ewe lambs	\$6.32	1	\$2,938	
Scanning	1000	ewes	\$0.80	1	\$800	
Livestock Selling Costs						
Livestock cartage	1,044	sale sheep	\$2.50		\$2,610	
Commission on sheep sales			4.50%		\$9,524	
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$3,527	
Pasture maintenance	277 ha	@	\$73 /ha		\$20,138	
Fodder						
		Supplementary feed @ \$330 /t				
Ewes adults/hoggets	950	3.5 kg/hd/week	\$0.33 /kg	10 weeks	\$10,847	
Ewe lambs	440	2.8 kg/hd/week	\$0.33 /kg	12 weeks	\$4,879	
Wether lambs	440	5.0 kg/hd/week	\$0.33 /kg	10 weeks	\$7,260	
Total feed		69,654 kg	@	\$330	\$22,986	
Graz/fodder crop	0 ha	@	\$0 /ha		\$0	
B. Total Variable Costs:					\$155,112	
GROSS MARGIN (A-B)					excl. fodder	incl. fodder
GROSS MARGIN /EWE					\$135,119.86	\$112,134.04
GROSS MARGIN /DSE					\$135.12	\$112.13
GROSS MARGIN /HA					\$48.78	\$40.48
GROSS MARGIN /HA					\$487.80	\$404.82

ASSUMPTIONS MERINO EWES (20 micron) - Maternal Meat Rams

1. Flock Parameters

Flock mortality	5%	Ram %	2%
Productive life	5	Marking %	93%
Ewe body weight	59 kg	Weaning %	90%
DSE rating /ewe	2.77	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	221	
2.5	210	
3.5	199	
4.5	189	
5.5	180	
6.5	0	
Total	1000	

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%
					\$8.60		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
2.58 kg	\$29.62	\$31.50	\$33.37	\$35.24	\$37.11
3.87 kg	\$31.31	\$34.12	\$36.92	\$39.73	\$42.54
5.16 kg	\$32.99	\$36.74	\$40.48	\$44.23	\$47.97
6.44 kg	\$34.70	\$39.39	\$44.07	\$48.75	\$53.43
7.73 kg	\$36.39	\$42.01	\$47.62	\$53.24	\$58.85

Cast for age \$/head	Replacement ewe cost \$/Hd				
	\$110.50	\$165.75	\$221.00	\$276.25	\$331.50
\$76.33	\$44.80	\$40.39	\$35.98	\$31.57	\$27.17
\$114.50	\$47.05	\$42.64	\$38.23	\$33.82	\$29.42
\$152.66	\$49.30	\$44.89	\$40.48	\$36.07	\$31.67
\$190.83	\$51.55	\$47.14	\$42.73	\$38.32	\$33.92
\$229.00	\$53.80	\$49.39	\$44.98	\$40.57	\$36.17

1st X weth.lmb \$/Hd	Weaning %				
	45%	68%	90%	113%	135%
\$73.10	\$7.71	\$18.55	\$29.39	\$40.26	\$51.20
\$109.65	\$10.48	\$22.71	\$34.94	\$47.19	\$59.52
\$146.20	\$13.25	\$26.87	\$40.48	\$54.12	\$67.83
\$182.75	\$16.03	\$31.03	\$46.03	\$61.05	\$76.15
\$219.30	\$18.80	\$35.18	\$51.57	\$67.98	\$84.47

1st X weth.lmb \$/Hd	1st X ewe Hoggets \$/hd				
	\$140.50	\$210.75	\$281.00	\$351.25	\$421.50
\$73.10	\$8.61	\$19.00	\$29.39	\$39.78	\$50.17
\$109.65	\$14.16	\$24.55	\$34.94	\$45.33	\$55.72
\$146.20	\$19.70	\$30.09	\$40.48	\$50.87	\$61.26
\$182.75	\$25.25	\$35.64	\$46.03	\$56.42	\$66.81
\$219.30	\$30.79	\$41.18	\$51.57	\$61.96	\$72.35

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

hogget \$/hd	Adult shearing cost \$/hd				
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51
\$4.50	\$43.47	\$42.33	\$41.20	\$40.06	\$38.92
\$6.76	\$43.11	\$41.98	\$40.84	\$39.70	\$38.56
\$9.01	\$42.76	\$41.62	\$40.48	\$39.34	\$38.21
\$11.26	\$42.40	\$41.26	\$40.12	\$38.99	\$37.85
\$13.51	\$42.04	\$40.90	\$39.77	\$38.63	\$37.49

Feed Adult Ewes kg/hd/wk	Grain price \$/Tonne				
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00
1.7 kg	\$45.61	\$44.02	\$42.44	\$40.85	\$39.27
2.6 kg	\$45.12	\$43.29	\$41.46	\$39.63	\$37.80
3.5 kg	\$44.63	\$42.56	\$40.48	\$38.41	\$36.33
4.3 kg	\$44.14	\$41.82	\$39.50	\$37.18	\$34.86
5.2 kg	\$43.65	\$41.09	\$38.52	\$35.96	\$33.40

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

This budget should be used as a GUIDE ONLY and should be changed by the grower to take account of movements in commodity and input prices, changes in seasonal conditions and individual farm characteristics. Estimated prices are GST exclusive.