

MERINO EWES (20 micron) - Terminal 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: **2.30 DSEs/ewe**

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	940	ewes	5.16	\$8.60
	20	rams	3.50	\$2.09
Crutch	1000	mixed ages	0.40	\$6.26
	893	xb lambs/rams	0.25	\$2.40
Sheep Sales	number	class	\$ /hd	
	165	CFA ewes	\$152.66	(26.0 kg cwt)
	4	CFA rams	\$165.40	
8 months	437	mixed sex lambs	\$156.18	(20.0 kg cwt)
10 months	437	mixed sex lambs	\$172.60	(22.0 kg cwt)
Fodder	tonnes	type	value per tonne	
Graz/fodder crop	0 t	0	\$0 /t	

A. Total Income:

\$214,227

VARIABLE COSTS

Replacements	number	class	cost (\$)/hd	reps
	4	rams	\$1,200.00	
	225	ewes	\$221.00	
Cartage	225	ewes	\$2.50	
Cartage	4	rams	\$55.00	

Wool Harvesting & Selling Costs

Shearing	940	ewes	\$9.01	1	\$8,466
	20	rams	\$12.48	1	\$250
Crutching	1000	ewes	\$1.76	1	\$1,760
	20	rams	\$3.02	1	\$60
	873	weaners	\$1.76	1	\$1,536
Wool tax			1.50%		\$673
Commission, warehouse, testing charges			\$44.10/ bale		\$1,455
Wool - cartage	33	bales	\$16.00		\$528
- packs	33	packs	\$14.00		\$462

Sheep Health

	number	class			
Broadspectrum	1020	adults/hoggets	\$1.59	2	\$3,244
	900	lambs	\$0.74	3	\$1,998
Narrowspectrum	1020	adults/hoggets	\$0.39	1	\$398
	900	lambs	\$0.20	1	\$180
Lice control	960	adults	\$1.64	1	\$1,574
Fly control (long acting)	1020	adults	\$2.34	1	\$2,387
Fly control (short acting)	900	weaners	\$0.50	1	\$450
Vaccination- 6 in 1	1020	adults	\$0.38	1	\$388
	930	lambs	\$0.38	2	\$707
Mark	930	lambs	\$2.79	1	\$2,595
Scanning	1000	ewes	\$0.80	1	\$800

Livestock Selling Costs

Livestock cartage	1,042	sale sheep	\$2.50		\$2,605
Commission on sheep sales			4.50%		\$7,621
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$3,435

Pasture maintenance

230 ha @ \$73 /ha \$16,721

Fodder

			Supplementary feed @ \$330 /t		
Ewes/rams	960	3.5 kg/hd/week	\$0.33 /kg	10 weeks	\$10,961
Mixed sex lambs	873	5.0 kg/hd/week	\$0.33 /kg	12 weeks	\$17,285
Total feed		85,596 kg	@	\$330.00	\$28,247

Graz/fodder crop 0 ha @ \$106 /ha \$0

B. Total Variable Costs:

\$143,847

	excl. fodder	incl. fodder
GROSS MARGIN (A-B)	\$98,626.17	\$70,379.49
GROSS MARGIN /EWE	\$98.63	\$70.38
GROSS MARGIN /DSE	\$42.88	\$30.60
GROSS MARGIN /HA	\$428.81	\$306.00

ASSUMPTIONS MERINO EWES (20 micron) - Terminal Rams

1. Flock Parameters			
Flock mortality	6%	Ram %	2%
Productive life	5 years	Marking %	93%
Ewe body weight	59 kg	Weaning %	90%
DSE rating /ewe	2.3	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	225			
2.5	212			
3.5	199			
4.5	187	930	900	873
5.5	176			
6.5	0			
Total	1000	165 CFA's sold	225 replacements bought	mixed sex lambs sold

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	\$17.63	\$19.86	\$22.09	\$24.33	\$26.56	
3.87 kg	\$19.64	\$22.98	\$26.33	\$29.68	\$33.02	
5.16 kg	\$21.68	\$26.14	\$30.60	\$35.06	\$39.52	
6.44 kg	\$23.68	\$29.26	\$34.84	\$40.41	\$45.99	
7.73 kg	\$25.69	\$32.38	\$39.07	\$45.77	\$52.46	
Cast for age \$/Hd	Replacement ewe cost \$/Hd					
	\$110.50	\$165.75	\$221.00	\$276.25	\$331.50	
\$76.33	\$36.18	\$30.78	\$25.37	\$19.97	\$14.56	
\$114.50	\$38.79	\$33.39	\$27.98	\$22.58	\$17.18	
\$152.66	\$41.41	\$36.00	\$30.60	\$25.19	\$19.79	
\$190.83	\$44.02	\$38.62	\$33.21	\$27.81	\$22.40	
\$229.00	\$46.64	\$41.23	\$35.83	\$30.42	\$25.02	
Domestic Lamb \$/Hd	Weaning %					
	45%	68%	90%	113%	135%	
\$78.09	\$0.09	\$8.27	\$16.45	\$24.62	\$32.84	
\$117.14	\$3.63	\$13.58	\$23.52	\$33.47	\$43.46	
\$156.18	\$7.18	\$18.89	\$30.60	\$42.31	\$54.08	
\$195.23	\$10.72	\$24.20	\$37.68	\$51.16	\$64.70	
\$234.27	\$14.26	\$29.51	\$44.75	\$60.00	\$75.32	
Domestic Lamb \$/Hd	Export Lamb \$/Hd					
	86.30	129.45	172.60	215.75	258.90	
\$78.09	\$0.81	\$8.63	\$16.45	\$24.27	\$32.09	
\$117.14	\$7.88	\$15.70	\$23.52	\$31.34	\$39.16	
\$156.18	\$14.96	\$22.78	\$30.60	\$38.42	\$46.24	
\$195.23	\$22.04	\$29.86	\$37.68	\$45.50	\$53.32	
\$234.27	\$29.11	\$36.93	\$44.75	\$52.57	\$60.39	
Crutching \$/hd	Total shearing cost \$/hd					
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51	
\$0.88	\$33.16	\$32.24	\$31.32	\$30.40	\$29.48	
\$1.32	\$32.80	\$31.88	\$30.96	\$30.04	\$29.12	
\$1.76	\$32.44	\$31.52	\$30.60	\$29.68	\$28.76	
\$2.20	\$32.08	\$31.16	\$30.24	\$29.32	\$28.40	
\$2.64	\$31.72	\$30.80	\$29.88	\$28.96	\$28.04	
Feed m/sex lamb kg/hd/wk	Grain price \$/Tonne					
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00	
2.5 kg	\$38.62	\$36.49	\$34.36	\$32.23	\$30.10	
3.8 kg	\$37.68	\$35.08	\$32.48	\$29.88	\$27.28	
5.0 kg	\$36.74	\$33.67	\$30.60	\$27.53	\$24.46	
6.3 kg	\$35.80	\$32.26	\$28.72	\$25.18	\$21.64	
7.5 kg	\$34.86	\$30.85	\$26.84	\$22.83	\$18.82	

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

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