

MERINO EWES (20 micron) - Terminal Rams
 Farm Enterprise Budget Series - 2022 (ave.wool and sheep price 1 Apr to 30 Sep)

Flock size: 4348 ewes **Farm Size** 1000Ha
Ewe body weight: 59 kgs
DSE rating: 2.30 DSEs/ewe

INCOME

					Standard Budget (\$)	Your Budget (\$)
Wool	number	class	kg /hd	\$/kg		
Shear	4087	ewes	5.16	\$8.60	\$181,194	
	87	rams	3.50	\$2.09	\$636	
Crutch	4348	mixed ages	0.40	\$6.26	\$10,894	
	3883	xb lambs/rams	0.25	\$2.40	\$2,334	
Sheep Sales	number	class	\$/hd			
	720	CFA ewes	\$152.66	(26.0 kg cwt)	\$109,918	
	18	CFA rams	\$165.40		\$2,977	
10 months	1898	mixed sex lambs	\$156.18	(20.0 kg cwt)	\$296,430	
11 months	1898	mixed sex lambs	\$172.60	(22.0 kg cwt)	\$327,595	
Fodder	tonnes	type	value per tonne			
Graz/fodder crop	0 t	0	\$0 /t		\$0	
A. Total Income:					\$931,979	

VARIABLE COSTS

Replacements	number	class	cost (\$)/hd	reps	
	18	rams	\$1,200.00		\$21,600
	980	ewes	\$221.00		\$216,580
Cartage	980	ewes	\$2.50		\$2,450
Cartage	18	rams	\$55.00		\$990
Wool Harvesting & Selling Costs					
Shearing	4087	ewes	\$9.01	1	\$36,811
	87	rams	\$12.48	1	\$1,086
Crutching	4348	ewes	\$1.76	1	\$7,651
	87	rams	\$3.02	1	\$263
	3796	weaners	\$1.76	1	\$6,680
Wool tax			1.50%		\$2,926
Commission, warehouse, testing charges			\$37.13/ bale		\$5,383
Wool - cartage	145	bales	\$16.00		\$2,320
- packs	145	packs	\$14.00		\$2,030
Sheep Health	number	class			
Broadspectrum	4435	adults	\$1.59	2	\$14,103
	3913	weaners	\$0.74	3	\$8,687
Narrowspectrum	4435	adults	\$0.39	1	\$1,730
	3913	weaners	\$0.20	1	\$783
Lice control	4174	adults	\$1.64	1	\$6,845
Fly control (long acting)	4435	adults	\$2.34	1	\$10,378
Fly control (short acting)	3913	weaners	\$0.50	1	\$1,957
Vaccination- 6 in 1	4435	adults	\$0.38	1	\$1,685
	4044	lambs	\$0.38	2	\$3,073
Mark	4044	lambs	\$2.79	1	\$11,283
Scanning	4348	ewes	\$0.80	1	\$3,478
Livestock Selling Costs					
Livestock cartage	4,534	sale sheep	\$2.50		\$11,335
Commission on sheep sales			4.50%		\$33,161
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$14,489
Pasture maintenance	1000 ha	@	\$73 /ha		\$72,700
Fodder					
		Supplementary feed @ \$330 /t			
Ewes/Rams	4174	3.5 kg/hd/week	\$0.33 /kg	10 weeks	\$47,659
Mixed sex lambs	3796	5.0 kg/hd/week	\$0.33 /kg	12 weeks	\$75,161
Total feed		372,180 kg	@	\$330 /t	\$122,820
Graz/fodder crop	0 ha	@	\$200 /ha		\$0
B. Total Variable Costs:					\$625,277

	excl. fodder	incl. fodder
GROSS MARGIN (A-B)	\$429,520.81	\$306,701.28
GROSS MARGIN /EWE	\$98.79	\$70.54
GROSS MARGIN /DSE	\$42.95	\$30.67
GROSS MARGIN /HA	\$429.50	\$306.69

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	980		
2.5	922		
3.5	866		
4.5	814	→ 4044 lambs	
5.5	765		
6.5	0		
Total	4348	→ 720 CFA's sold	→ 3913 weaners
			→ 3796 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	M22B.	\$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	\$17.68	\$19.91	\$22.14	\$24.37	\$26.60	
3.87 kg	\$19.72	\$23.06	\$26.41	\$29.75	\$33.10	
5.16 kg	\$21.75	\$26.21	\$30.67	\$35.13	\$39.59	
6.44 kg	\$23.78	\$29.36	\$34.94	\$40.51	\$46.09	
7.73 kg	\$25.82	\$32.51	\$39.20	\$45.90	\$52.59	
Cast for age \$/Hd	Replacement ewe cost \$/Hd					
	\$110.50	\$165.75	\$221.00	\$276.25	\$331.50	
\$76.33	\$36.25	\$30.83	\$25.42	\$20.01	\$14.59	
\$114.50	\$38.87	\$33.46	\$28.04	\$22.63	\$17.22	
\$152.66	\$41.50	\$36.08	\$30.67	\$25.25	\$19.84	
\$190.83	\$44.12	\$38.71	\$33.29	\$27.88	\$22.46	
\$229.00	\$46.75	\$41.33	\$35.92	\$30.50	\$25.09	
Domestic Lamb \$/Hd	Weaning %					
	45%	68%	90%	113%	135%	
\$78.09	\$0.13	\$8.32	\$16.51	\$24.71	\$32.91	
\$117.14	\$3.67	\$13.63	\$23.59	\$33.56	\$43.53	
\$156.18	\$7.20	\$18.94	\$30.67	\$42.40	\$54.14	
\$195.23	\$10.74	\$24.24	\$37.75	\$51.25	\$64.76	
\$234.27	\$14.28	\$29.55	\$44.82	\$60.09	\$75.37	
Domestic Lamb \$/Hd	Export Lamb \$/Hd					
	86.30	129.45	172.60	215.75	258.90	
\$78.09	\$0.87	\$8.69	\$16.51	\$24.34	\$32.16	
\$117.14	\$7.95	\$15.77	\$23.59	\$31.41	\$39.23	
\$156.18	\$15.03	\$22.85	\$30.67	\$38.49	\$46.31	
\$195.23	\$22.10	\$29.92	\$37.75	\$45.57	\$53.39	
\$234.27	\$29.18	\$37.00	\$44.82	\$52.64	\$60.46	
Crutching \$/hd	Total shearing cost \$/hd					
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51	
\$0.88	\$33.23	\$32.31	\$31.39	\$30.47	\$29.54	
\$1.32	\$32.87	\$31.95	\$31.03	\$30.11	\$29.19	
\$1.76	\$32.51	\$31.59	\$30.67	\$29.75	\$28.83	
\$2.20	\$32.15	\$31.23	\$30.31	\$29.39	\$28.47	
\$2.64	\$31.79	\$30.87	\$29.95	\$29.03	\$28.11	
Feed m/sex lamb kg/hd/wk	Grain price \$/Tonne					
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00	
2.5 kg	\$38.69	\$36.56	\$34.43	\$32.30	\$30.17	
3.8 kg	\$37.75	\$35.15	\$32.55	\$29.95	\$27.35	
5.0 kg	\$36.81	\$33.74	\$30.67	\$27.60	\$24.53	
6.3 kg	\$35.87	\$32.33	\$28.79	\$25.25	\$21.71	
7.5 kg	\$34.93	\$30.92	\$26.91	\$22.90	\$18.89	

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