

MERINO EWES (20 micron) - Terminal Rams

Farm Enterprise Budget Series - 2024 (ave.wool and sheep price Apr to Sep)

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

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	4087	ewes	5.16	\$8.10
	87	rams	3.50	\$2.13
Crutch	4348	mixed ages	0.40	\$5.30
	3883	xb lambs/rams	0.25	\$2.03

Sheep Sales	number	class	\$ /hd	
	720	CFA ewes	\$91.38	(26.0 kg cwt)
	18	CFA rams	\$57.02	
10 months	1898	mixed sex lambs	\$150.40	(20.0 kg cwt)
11 months	1898	mixed sex lambs	\$165.22	(22.0 kg cwt)

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

A. Total Income:
VARIABLE COSTS

Replacements	number	class	cost (\$)/hd	reps
	20	rams	\$2,000.00	
	980	ewes	\$136.00	
Cartage	980	ewes	\$1.66	
Cartage	20	rams	\$25.00	

Wool Harvesting & Selling Costs

Shearing	4087	ewes	\$9.81	1
	87	rams	\$13.62	1
Crutching	4348	ewes	\$1.92	1
	87	rams	\$3.31	1
	3796	weaners	\$1.92	1

Wool tax			1.50%	
Commission, warehouse, testing charges			\$38.22/ bale	
Wool - cartage	145	bales	\$16.00	
- packs	145	packs	\$14.00	

Sheep Health

	number	class		
Broadspectrum	4435	adults	\$1.59	2
	3913	weaners	\$0.74	3
Narrowspectrum	4435	adults	\$0.47	1
	3913	weaners	\$0.24	1
Lice control	4174	adults	\$1.62	1
Fly control (long acting)	4435	adults	\$2.39	1
Fly control (short acting)	3913	weaners	\$0.46	1
Vaccination- 6 in 1	4435	adults	\$0.43	1
	4044	lambs	\$0.43	2
Mark	4044	lambs	\$3.03	1
Scanning	4348	ewes	\$1.05	1

Livestock Selling Costs

Livestock cartage	4,534	sale sheep	\$1.66	
Commission on sheep sales			4.50%	
Levies (Yard dues, MLA Transaction levy and LLS rates)				

Pasture maintenance	1000 ha	@	\$52 /ha
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Fodder

		Supplementary feed @ \$280 /t		
Ewes/Rams	4174	3.5 kg/hd/week	\$0.28 /kg	10 weeks
Mixed sex lambs	3796	5.0 kg/hd/week	\$0.28 /kg	12 weeks
Total feed		372,180 kg	@	\$280 /t

Graz/fodder crop	0 ha	@	\$200 /ha
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B. Total Variable Costs:

	excl. fodder	incl. fodder
GROSS MARGIN (A-B)	\$430,768.71	\$326,558.20
GROSS MARGIN /EWE	\$99.07	\$75.11
GROSS MARGIN /DSE	\$43.08	\$32.65
GROSS MARGIN /HA	\$430.75	\$326.55

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 @ \$500t + \$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				
5.5	765				
6.5	0				
Total	4348				

980 replacements bought
 4044 lambs
 3913 weaners
 3796 mixed sex lambs sold
 720 CFA's 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.	\$13.30	65%	\$8.67	1%VMB, 90mm	75%
- Skirtings/bellies	19	MP5B.	\$12.86	56%	\$7.18	4.8%VMB, 80mm	20%
- Cardings	20	MZ2B.	\$6.05	52%	\$3.14	2.9%VMB.	5%
					\$8.10		used in budget

4. Sensitivity Tables - Changes in Gross Margin \$/DSE (includes fodder)

Wool Cut kg/hd	Adult Greasy Wool Price \$/Kg greasy				
	\$4.05	\$6.08	\$8.10	\$10.13	\$12.15
2.58 kg	\$20.45	\$22.55	\$24.65	\$26.75	\$28.85
3.87 kg	\$22.35	\$25.51	\$28.66	\$31.81	\$34.96
5.16 kg	\$24.25	\$28.45	\$32.65	\$36.86	\$41.06
6.44 kg	\$26.15	\$31.41	\$36.66	\$41.91	\$47.16
7.73 kg	\$28.06	\$34.36	\$40.66	\$46.97	\$53.27

Cast for age \$/Hd	Replacement ewe cost \$/Hd				
	\$68.00	\$102.00	\$136.00	\$170.00	\$204.00
\$45.69	\$36.18	\$32.84	\$29.51	\$26.18	\$22.85
\$68.53	\$37.75	\$34.42	\$31.08	\$27.75	\$24.42
\$91.38	\$39.32	\$35.99	\$32.65	\$29.32	\$25.99
\$114.22	\$40.89	\$37.56	\$34.23	\$30.89	\$27.56
\$137.07	\$42.46	\$39.13	\$35.80	\$32.46	\$29.13

Domestic Lamb \$/Hd	Weaning %				
	45%	68%	90%	113%	135%
\$75.20	\$2.99	\$11.01	\$19.02	\$27.04	\$35.07
\$112.80	\$6.40	\$16.12	\$25.84	\$35.56	\$45.29
\$150.40	\$9.80	\$21.23	\$32.65	\$44.08	\$55.51
\$188.00	\$13.21	\$26.34	\$39.47	\$52.60	\$65.73
\$225.60	\$16.62	\$31.45	\$46.28	\$61.12	\$75.96

Domestic Lamb \$/Hd	Export Lamb \$/Hd				
	\$82.61	\$123.92	\$165.22	\$206.53	\$247.83
\$75.20	\$4.05	\$11.54	\$19.02	\$26.51	\$34.00
\$112.80	\$10.87	\$18.35	\$25.84	\$33.33	\$40.81
\$150.40	\$17.68	\$25.17	\$32.65	\$40.14	\$47.63
\$188.00	\$24.50	\$31.98	\$39.47	\$46.96	\$54.44
\$225.60	\$31.31	\$38.80	\$46.28	\$53.77	\$61.26

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

Crutching \$/hd	Total shearing cost \$/hd				
	\$4.90	\$7.36	\$9.81	\$12.26	\$14.71
\$0.96	\$35.44	\$34.44	\$33.44	\$32.44	\$31.43
\$1.44	\$35.05	\$34.05	\$33.05	\$32.04	\$31.04
\$1.92	\$34.66	\$33.66	\$32.65	\$31.65	\$30.65
\$2.40	\$34.27	\$33.26	\$32.26	\$31.26	\$30.26
\$2.89	\$33.88	\$32.87	\$31.87	\$30.87	\$29.87

Feed m/sex lamb kg/hd/wk	Grain price \$/Tonne				
	\$140.00	\$210.00	\$280.00	\$350.00	\$420.00
2.5 kg	\$39.46	\$37.65	\$35.84	\$34.03	\$32.23
3.8 kg	\$38.66	\$36.46	\$34.25	\$32.04	\$29.84
5.0 kg	\$37.86	\$35.26	\$32.65	\$30.05	\$27.44
6.3 kg	\$37.07	\$34.06	\$31.06	\$28.06	\$25.05
7.5 kg	\$36.27	\$32.87	\$29.47	\$26.06	\$22.66

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