

MERINO EWES (20 mic) - 75% Merino Rams, 25% to Terminal
Farm Enterprise Budget Series - 2024 (ave.wool and sheep price Apr to Sep)

Flock size: 3802 ewes **Farm Size** 1000Ha
Ewe body weight: 59 kgs
DSE rating: 2.63 DSEs/ewe

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	3631	ewes	5.64	\$8.10
	1157	ewe hoggets	5.64	\$8.25
	76	rams	7.50	\$8.12
	2412	merino lambs	1.18	\$3.26
	827	xb lamb	1.18	\$1.27
Crutch	3878	adults	0.40	\$5.30
	2412	merino lambs	0.30	\$5.30
	808	xb lambs	0.25	\$2.03
Sheep Sales	number	class	\$ /hd	
	661	CFA ewes	\$91.38	(26.0 kg cwt)
	15	CFA rams	\$57.02	
11 months	1212	M. weth lambs	\$122.40	(20.0 kg cwt)
	325	M. ewe hoggets	\$136.00	(16 months)
10 months	404	mixed sex lambs	\$150.40	(20.0 kg cwt)
11 months	404	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
	12	rams	\$2,000.00	
	4	rams	\$2,000.00	
cartage	16	rams	\$25.00	

Wool Harvesting & Selling Costs

Shearing	8027	ewes/lmb	\$9.81	1
	76	rams	\$13.62	1
Crutching	7022	ewes/lmb	\$1.92	1
	76	rams	\$3.31	1
Wool tax			1.50%	
Commission, warehouse, testing charges			\$38.22/ bale	
Wool - cartage	188	bales	\$16.00	
- packs	188	packs	\$14.00	

Sheep Health

number	class		
Broadspectrum	3878	adults	\$1.59
	3422	lambs	\$0.74
Narrowspectrum	3878	adults	\$0.47
	3422	lambs	\$0.24
Lice control	8103	adults	\$1.62
Fly control (long acting)	3878	adults	\$2.39
Fly control (short acting)	3220	weaners	\$0.46
Vaccination- 6 in 1	3878	adults	\$0.43
	3422	lambs	\$0.43
Mark	2139	terminal lambs	\$3.03
Mark (includes OJD)	1283	lambs	\$6.30
Scanning	3802	ewes	\$1.05

Livestock Selling Costs

Livestock cartage	3,021	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

Fodder

		Supplementary feed @ \$280 /t	
Ewes/Hoggets	3878	3.5 kg/hd/week	\$0.28 /kg
Merino ewe lambs	1206	2.8 kg/hd/week	\$0.28 /kg
Merino weth. and 1st X lambs	2020	5.0 kg/hd/week	\$0.28 /kg
Total feed		295,900 kg	@ \$280.00
Graz/fodder crop	0 ha	@	\$200 /ha

B. Total Variable Costs:

GROSS MARGIN (A-B)
GROSS MARGIN /EWE
GROSS MARGIN /DSE
GROSS MARGIN /HA

excl. fodder
\$331,972.46
\$87.32
\$33.20
\$332.00

incl. fodder
\$249,120.35
\$65.52
\$24.91
\$249.14

ASSUMPTIONS MERINO EWES (20 mic) - 75% Merino Rams, 25% to Terminal

1. Flock Parameters

Flock mortality	5%	Ram %	2%
Productive life	5 years	Marking %	90%
Ewe body weight	59	Weaning %	87%
DSE rating /ewe	2.63	Weaning age	3 months
Stocking rate/ha	10 dse's	Ewe % joined to terminal ram	25%
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	832					
2.5	795					
3.5	759					
4.5	725					
5.5	692					
6.5	0					
Total	3802					

3422 lambs → 3308 weaners → 1212 ewe weaners → 1157 Merino hoggets → 832 replacements
 661 CFA's sold
 2021 mixed sex sold
 325 hoggets 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
2.82 kg	\$13.05	\$15.09	\$17.13	\$19.17	\$21.22
4.23 kg	\$14.89	\$17.96	\$21.02	\$24.08	\$27.15
5.64 kg	\$16.74	\$20.83	\$24.91	\$29.00	\$33.08
7.05 kg	\$18.59	\$23.69	\$28.80	\$33.91	\$39.01
8.46 kg	\$20.44	\$26.57	\$32.70	\$38.82	\$44.95

Ewe hoggets \$/Hd	Value of wether lambs \$/Hd				
	\$61.20	\$91.80	\$122.40	\$153.00	\$183.60
\$68.00	\$15.72	\$19.26	\$22.80	\$26.35	\$29.89
\$102.00	\$16.77	\$20.32	\$23.86	\$27.40	\$30.94
\$136.00	\$17.83	\$21.37	\$24.91	\$28.46	\$32.00
\$170.00	\$18.89	\$22.43	\$25.97	\$29.51	\$33.05
\$204.00	\$19.94	\$23.48	\$27.02	\$30.57	\$34.11

Domestic Lmb \$/Hd	Weaning %				
	44%	65%	87%	109%	131%
\$75.20	\$6.71	\$14.36	\$22.01	\$29.70	\$37.36
\$112.80	\$7.43	\$15.45	\$23.46	\$31.51	\$39.54
\$150.40	\$8.16	\$16.54	\$24.91	\$33.33	\$41.71
\$188.00	\$8.88	\$17.63	\$26.36	\$35.14	\$43.89
\$225.60	\$9.61	\$18.71	\$27.82	\$36.96	\$46.06

Export Lmb \$/Hd	Weaning %				
	44%	65%	87%	109%	131%
\$82.61	\$6.56	\$14.15	\$21.73	\$29.34	\$36.93
\$123.92	\$7.36	\$15.34	\$23.32	\$31.34	\$39.32
\$165.22	\$8.16	\$16.54	\$24.91	\$33.33	\$41.71
\$206.53	\$8.95	\$17.73	\$26.51	\$35.32	\$44.10
\$247.83	\$9.75	\$18.93	\$28.10	\$37.31	\$46.49

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	\$29.53	\$27.56	\$25.59	\$23.62	\$21.65
\$1.44	\$29.19	\$27.22	\$25.25	\$23.28	\$21.31
\$1.92	\$28.85	\$26.88	\$24.91	\$22.95	\$20.98
\$2.40	\$28.51	\$26.54	\$24.58	\$22.61	\$20.64
\$2.89	\$28.18	\$26.21	\$24.24	\$22.27	\$20.30

M. Weth. & 1st X kg/hd/wk	Grain price \$/Tonne				
	\$140.00	\$210.00	\$280.00	\$350.00	\$420.00
2.5 kg	\$29.91	\$28.26	\$26.61	\$24.96	\$23.32
3.8 kg	\$29.48	\$27.62	\$25.76	\$23.90	\$22.04
5.0 kg	\$29.06	\$26.99	\$24.91	\$22.84	\$20.77
6.3 kg	\$28.63	\$26.35	\$24.07	\$21.78	\$19.50
7.5 kg	\$28.21	\$25.71	\$23.22	\$20.72	\$18.23

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