

MERINO EWES (18 micron) - Merino Rams

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

Flock size: 1000 ewes
Ewe body weight: 53 kgs
DSE rating: 2.10 DSEs/ewe

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	960	ewes	5.10	\$9.57
	391	ewe hoggets	5.10	\$10.42
	20	rams	7.00	\$9.57
	399	ewe lambs	1.06	\$4.53
Crutch	1020	adults/hoggets	0.40	\$5.30
	399	ewe lambs	0.30	\$5.30
Sheep Sales	number	class	\$ /hd	
	177	CFA ewes	\$82.09	(23.3 kg cwt)
	4	CFA rams	\$57.02	
	415	weth weaners	\$57.00	(4 months)
	174	ewe hoggets	\$137.00	(16 months)
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
	5	rams	\$2,000.00	
cartage	5	rams	\$55.00	
Wool Harvesting & Selling Costs				
Shearing	1750	ewes/hogg/lmb	\$9.81	1
	20	rams	\$13.62	1
Crutching	1399	ewes/hogg/lmb	\$1.92	1
	20	rams	\$3.31	1
Wool tax			1.50%	
Commission, warehouse, testing charges			\$45.62/ bale	
Wool - cartage	44	bales	\$16.00	
- packs	44	packs	\$14.00	

Sheep health

Broadspectrum	1020	adults/hoggets	\$1.44	2	\$2,938
	407	ewe lambs	\$0.74	3	\$904
	415	wether lamb	\$0.74	1	\$307
Narrowspectrum	1020	adults/hoggets	\$0.47	1	\$479
	391	lambs	\$0.24	1	\$94
Lice control	1770	adults/hoggets	\$1.62	1	\$2,867
Fly control (long acting)	1020	adults/hoggets	\$2.39	1	\$2,438
Fly control (short acting)	399	ewe weaners	\$0.46	1	\$184
Vaccination- 6 in 1	1020	adults/hoggets	\$0.43	1	\$439
	860	lambs	\$0.43	2	\$740
Mark (incl. OJD)	860	lambs	\$6.30	1	\$5,416
Scanning	1000	ewes	\$1.05	1	\$1,050

Livestock Selling Costs

Livestock cartage	770	sale sheep	\$1.66		\$1,278
Commission on sheep sales			4.50%		\$2,801
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$2,065

Pasture maintenance	210 ha	@	\$52 /ha		\$10,920
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Fodder

			Supplementary feed @ \$280 /t		
Ewes/Hoggets	1020	3.2 kg/hd/week	\$0.28 /kg	10 weeks	\$9,139
Ewe lambs	399	2.8 kg/hd/week	\$0.28 /kg	12 weeks	\$3,754
Wether lambs	415	2.8 kg/hd/week	\$0.28 /kg	0 weeks	\$0
Total Feed		46,046 kg	@	\$280	\$12,893
Graz/fodder crop	0 ha	@	\$0 /ha		\$0

B. Total Variable Costs:

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

excl. fodder
\$66,136.58
\$66.14
\$31.49
\$314.94

incl. fodder
\$53,243.59
\$53.24
\$25.35
\$253.54

ASSUMPTIONS MERINO EWES (18 micron) - Merino Rams

1. Flock Parameters

Flock mortality	4%	Ram %	2%
Productive life	5 years	Marking %	86%
Ewe body weight	53 kg	Weaning %	83%
DSE rating /ewe	2.10	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	217					
2.5	208					
3.5	200					
4.5	192					
5.5	184					
6.5	0					
Total	1000					

860 lambs → 830 weaners → 407 ewe weaners kept → 391 ewe hoggets → 217 replacements kept
 177 CFA's sold
 415 weth. weaners sold → 174 ewe hoggets sold

3. Wool Prices - Wool prices thanks to AWEX

Merino Ewe	Micron	AWEX Type	Clean price	Yield	Greasy price	Specifications (all 35n/ktex)	Proportion of Clip
- Fleece GTM	18	MF4B.	\$14.88	68%	\$10.15	1%VMB, 90mm	75%
- Skirtings/bellies	17	MP5B.	\$15.17	58%	\$8.75	4.8%VMB, 80mm	20%
- Cardings	18	MZ2B.	\$7.68	53%	\$4.07	2.9%VMB.	5%
					\$9.57		used in budget

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

Wool Cut kg/hd	Adult Greasy Wool Price				
	\$4.79	\$7.18	\$9.57	\$11.96	\$14.36
2.55 kg	\$9.34	\$12.08	\$14.83	\$17.58	\$20.33
3.83 kg	\$11.83	\$15.95	\$20.07	\$24.20	\$28.32
5.10 kg	\$14.36	\$19.86	\$25.35	\$30.85	\$36.35
6.38 kg	\$16.86	\$23.73	\$30.60	\$37.47	\$44.34
7.65 kg	\$19.35	\$27.60	\$35.84	\$44.08	\$52.33

Hog. Wool Cut kg/hd	Hogget Greasy Wool Price				
	\$/Kg greasy				
	\$5.21	\$7.82	\$10.42	\$13.03	\$15.63
2.55 kg	\$18.22	\$19.44	\$20.66	\$21.88	\$23.10
3.83 kg	\$19.33	\$21.16	\$22.99	\$24.82	\$26.64
5.10 kg	\$20.48	\$22.92	\$25.35	\$27.79	\$30.23
6.38 kg	\$21.59	\$24.64	\$27.68	\$30.73	\$33.78
7.65 kg	\$22.70	\$26.36	\$30.01	\$33.67	\$37.32

Ewe hoggets \$/Hd	Value of wether weaners \$/Hd				
	\$28.50	\$42.75	\$57.00	\$71.25	\$85.50
\$68.50	\$14.56	\$17.24	\$19.93	\$22.62	\$25.31
\$102.75	\$17.27	\$19.95	\$22.64	\$25.33	\$28.02
\$137.00	\$19.98	\$22.66	\$25.35	\$28.04	\$30.73
\$171.25	\$22.69	\$25.37	\$28.06	\$30.75	\$33.44
\$205.50	\$25.40	\$28.09	\$30.77	\$33.46	\$36.15

CFA ewes \$/Hd	Weaning %				
	42%	62%	83%	104%	125%
\$41.04	\$4.90	\$13.46	\$22.05	\$30.54	\$39.13
\$61.56	\$6.55	\$15.11	\$23.70	\$32.19	\$40.78
\$82.09	\$8.20	\$16.76	\$25.35	\$33.84	\$42.43
\$102.61	\$9.86	\$18.41	\$27.01	\$35.49	\$44.09
\$123.13	\$11.51	\$20.06	\$28.66	\$37.14	\$45.74

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	\$30.08	\$28.04	\$25.99	\$23.95	\$21.91
\$1.44	\$29.76	\$27.72	\$25.67	\$23.63	\$21.59
\$1.92	\$29.44	\$27.40	\$25.35	\$23.31	\$21.27
\$2.40	\$29.12	\$27.08	\$25.03	\$22.99	\$20.95
\$2.89	\$28.80	\$26.76	\$24.71	\$22.67	\$20.63

Ewes/hoggets kg/hd/wk	Grain price \$/Tonne				
	\$140.00	\$210.00	\$280.00	\$350.00	\$420.00
1.6 kg	\$29.51	\$28.52	\$27.53	\$26.54	\$25.55
2.4 kg	\$28.97	\$27.70	\$26.44	\$25.18	\$23.92
3.2 kg	\$28.42	\$26.89	\$25.35	\$23.82	\$22.28
4.0 kg	\$27.88	\$26.07	\$24.27	\$22.46	\$20.65
4.8 kg	\$27.34	\$25.26	\$23.18	\$21.10	\$19.02

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