

MERINO EWES (20 micron) - Maternal Meat Rams

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

Flock size: 1000 ewes
Ewe body weight: 59 kgs
DSE rating: 2.77 DSEs/ewe

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	950	ewes	5.16	\$8.10
	20	rams	4.50	\$2.13
	440	ewe lambs	1.13	\$3.42
	429	ewe hoggets	4.50	\$3.42
Crutch	1020	adults	0.40	\$5.30
	880	lambs	0.25	\$2.03

Sheep Sales	number	class	\$ /hd	
	171	CFA ewes	\$91.38	(26.0 kg cwt)
	4	CFA rams	\$57.02	
8 months	440	weth lambs	\$129.40	(20.0 kg cwt)
	429	ewe Hoggets	\$189.00	(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	
	221	ewes (1.5 years)	\$136.00	
Cartage	221	ewes (1.5 years)	\$1.66	
Cartage	5	rams	\$55.00	

Wool Harvesting & Selling Costs

Shearing	1399	adults/hoggets	\$9.81	1
	20	rams	\$13.62	1
	440	ewe lambs	\$9.81	1
Crutching	1880	ewe/lambs	\$1.92	1
	20	rams	\$3.31	1

Wool tax			1.50%	
Commission, warehouse, testing charges			\$45.62/ bale	
Wool - cartage	45	bales	\$16.00	
- packs	45	packs	\$14.00	

Sheep Health

	number	class		
Broadspectrum	1020	adults	\$1.59	2
	880	lambs	\$0.74	3
Narrowspectrum	1020	adults/hoggets	\$0.47	1
	880	lambs	\$0.24	1
Lice control	1399	adults	\$1.62	1
	440	ewe lambs	\$1.21	1
Fly control (long acting)	1020	adults/hoggets	\$2.39	1
Fly control (short acting)	880	weaners	\$0.46	1
Vaccination- 6 in 1	1020	adults	\$0.43	1
	930	lambs	\$0.43	2
Mark	465	wether lambs	\$3.03	1
Mark/OJD vaccine	465	ewe lambs	\$6.30	1
Scanning	1000	ewes	\$1.05	1

Livestock Selling Costs

Livestock cartage	1,044	sale sheep	\$1.66
Commission on sheep sales			4.50%
Levies (Yard dues, MLA Transaction levy and LLS rates)			

Pasture maintenance 277 ha @ \$52 /ha

Fodder

		Supplementary feed @ \$280 /t		
Ewes adults/hoggets	950	3.5 kg/hd/week	\$0.28 /kg	10 weeks
Ewe lambs	440	2.8 kg/hd/week	\$0.28 /kg	12 weeks
Wether lambs	440	5.0 kg/hd/week	\$0.28 /kg	10 weeks
Total feed	69,654 kg	@	\$280	

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

B. Total Variable Costs:

GROSS MARGIN (A-B)

GROSS MARGIN /EWE

GROSS MARGIN /DSE

GROSS MARGIN /HA

excl. fodder

\$92,803.22

\$92.80

\$33.50

\$335.03

incl. fodder

\$73,300.10

\$73.30

\$26.46

\$264.62

ASSUMPTIONS MERINO EWES (20 micron) - Maternal Meat Rams

1. Flock Parameters

Flock mortality	5%	Ram %	2%
Productive life	5	Marking %	93%
Ewe body weight	59 kg	Weaning %	90%
DSE rating /ewe	2.77	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	221	← 221 replacements bought
2.5	210	
3.5	199	
4.5	189	→ 930 lambs
5.5	180	
6.5	0	
Total	1000	→ 900 weaners
		→ 440 ewe weaners kept
		→ 429 ewe Hoggets sold
		→ 440 weth. weaners sold
		→ 171 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	\$16.26	\$18.03	\$19.79	\$21.55	\$23.32
3.87 kg	\$17.84	\$20.48	\$23.13	\$25.77	\$28.42
5.16 kg	\$19.41	\$22.94	\$26.46	\$29.99	\$33.52
6.44 kg	\$21.01	\$25.42	\$29.82	\$34.23	\$38.64
7.73 kg	\$22.58	\$27.87	\$33.16	\$38.45	\$43.74

Cast for age \$/head	Replacement ewe cost \$/Hd				
	\$68.00	\$102.00	\$136.00	\$170.00	\$204.00
\$45.69	\$29.19	\$26.48	\$23.77	\$21.06	\$18.34
\$68.53	\$30.54	\$27.83	\$25.12	\$22.40	\$19.69
\$91.38	\$31.89	\$29.17	\$26.46	\$23.75	\$21.04
\$114.22	\$33.23	\$30.52	\$27.81	\$25.10	\$22.38
\$137.07	\$34.58	\$31.87	\$29.16	\$26.44	\$23.73

1st X weth.lmb \$/Hd	Weaning %				
	45%	68%	90%	113%	135%
\$64.70	\$2.48	\$9.56	\$16.65	\$23.76	\$30.90
\$97.05	\$4.94	\$13.25	\$21.55	\$29.89	\$38.27
\$129.40	\$7.39	\$16.93	\$26.46	\$36.03	\$45.63
\$161.75	\$9.84	\$20.61	\$31.37	\$42.16	\$52.99
\$194.10	\$12.30	\$24.29	\$36.28	\$48.29	\$60.35

1st X weth.lmb \$/Hd	1st X ewe Hoggets \$/hd				
	\$94.50	\$141.75	\$189.00	\$236.25	\$283.50
\$64.70	\$2.67	\$9.66	\$16.65	\$23.64	\$30.62
\$97.05	\$7.58	\$14.57	\$21.55	\$28.54	\$35.53
\$129.40	\$12.49	\$19.47	\$26.46	\$33.45	\$40.44
\$161.75	\$17.39	\$24.38	\$31.37	\$38.36	\$45.35
\$194.10	\$22.30	\$29.29	\$36.28	\$43.27	\$50.25

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

hogget \$/hd	Adult shearing cost \$/hd				
	\$4.90	\$7.36	\$9.81	\$12.26	\$14.71
\$4.90	\$29.72	\$28.48	\$27.24	\$26.00	\$24.76
\$7.36	\$29.33	\$28.09	\$26.85	\$25.61	\$24.37
\$9.81	\$28.94	\$27.70	\$26.46	\$25.22	\$23.99
\$12.26	\$28.55	\$27.31	\$26.07	\$24.83	\$23.60
\$14.71	\$28.16	\$26.92	\$25.68	\$24.44	\$23.21

Feed Adult Ewes kg/hd/wk	Grain price \$/Tonne				
	\$140.00	\$210.00	\$280.00	\$350.00	\$420.00
1.7 kg	\$30.81	\$29.47	\$28.12	\$26.78	\$25.43
2.6 kg	\$30.40	\$28.85	\$27.29	\$25.74	\$24.19
3.5 kg	\$29.98	\$28.22	\$26.46	\$24.70	\$22.94
4.3 kg	\$29.57	\$27.60	\$25.63	\$23.66	\$21.70
5.2 kg	\$29.15	\$26.98	\$24.80	\$22.63	\$20.45

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

This budget should be used as a GUIDE ONLY and should be changed by the grower to take account of movements in commodity and input prices, changes in seasonal conditions and individual farm characteristics. Estimated prices are GST exclusive.