

MERINO WETHERS (20 micron)

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

Flock size: 8475 wethers Farm Size 1000Ha
Wether body weight: 59 kgs
DSE rating: 1.18 DSEs/wether

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	8306	wethers	6.06	\$8.17
	1476	wethers 4 month	1.26	\$3.26
Crutch	8390	wethers	0.40	\$5.30

Sheep Sales	number	class	\$ /hd	
	1341	CFA wethers	\$95.53	(26.0 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	
	1476	wethers	\$63.00	(4 months)
Cartage	1476	wethers	\$1.66	

Wool Harvesting & Selling Costs

				reps
Shearing	9782	wethers	\$9.81	1
Crutching	8390	wethers	\$2.02	1
Wool tax			1.50%	
Commission, warehouse, testing charges			\$38.22/ bale	
Wool - cartage	309	bales	\$16.00	
- packs	309	packs	\$14.00	

Sheep Health

Broadspectrum	7000	wethers	\$1.59	2
	1476	weaners	\$0.74	2
Narrowspectrum	8476	wethers	\$0.47	1
Lice control	9782	wethers	\$1.62	1
Fly control (long acting)	8476	wethers	\$2.39	1
Vaccination- 6 in 1	8475	wethers	\$0.43	1

Livestock Selling Costs

Livestock cartage	1341	CFA wethers	\$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	
Wethers	7000	3.5 kg/hd/week	\$0.28 /kg	4 weeks
Wether weaners	1476	2.8 kg/hd/week	\$0.28 /kg	10 weeks
Total feed		138,208 kg	@	\$280
Graz/fodder crop	0 ha	@	\$200 /ha	

B. Total Variable Costs:

	excl. fodder	incl. fodder
GROSS MARGIN (A-B)	\$194,822.96	\$156,124.72
GROSS MARGIN /WETHER	\$22.99	\$18.42
GROSS MARGIN /DSE	\$19.48	\$15.61
GROSS MARGIN /HA	\$194.81	\$156.12

ASSUMPTIONS MERINO WETHERS (20 micron)

1. Flock Parameters

Cull age	6.5 years	Adult mortality	2%
Replacement age	1.5 years	Body weight	59 kg
Productive life	5.0 years	DSE rating	1.2
Stocking rate/ha	10 dse's		

Sheep and wool prices thanks to MLA market reporting, AuctionsPlus and AWEX. Wool cuts based on wether trial data
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	No. of wethers
0.5	1476
1.5	1456
2.5	1428
3.5	1400
4.5	1372
5.5	1344
6.5	0
Total	8475

1476 replacements bought

1341 CFA's sold

3. Wool Prices

Merino Wether	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	80%
- Skirtings/bellies	19	MP5B.	\$12.86	56%	\$7.18	4.8%VMB, 80mm	15%
- Cardings	20	MZ2B.	\$6.05	52%	\$3.14	2.9%VMB.	5%
					\$8.17		used in budget

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

Wool Cut kg/hd	Wether Greasy Wool Price \$/Kg greasy				
	\$4.09	\$6.13	\$8.17	\$10.21	\$12.26
3.03 kg	-\$13.84	-\$8.77	-\$3.70	\$1.37	\$6.43
4.55 kg	-\$9.25	-\$1.65	\$5.96	\$13.56	\$21.16
6.06 kg	-\$4.66	\$5.48	\$15.61	\$25.75	\$35.88
7.58 kg	-\$0.07	\$12.60	\$25.27	\$37.94	\$50.60
9.10 kg	\$4.52	\$19.72	\$34.93	\$50.13	\$65.33

Crutching \$/hd	Total shearing cost \$/hd				
	\$4.90	\$7.36	\$9.81	\$12.26	\$14.71
\$1.01	\$21.25	\$18.86	\$16.46	\$14.06	\$11.66
\$1.51	\$20.83	\$18.43	\$16.03	\$13.64	\$11.24
\$2.02	\$20.41	\$18.01	\$15.61	\$13.21	\$10.81
\$2.52	\$19.99	\$17.59	\$15.19	\$12.79	\$10.39
\$3.02	\$19.56	\$17.16	\$14.77	\$12.37	\$9.97

CFA wethers \$/hd	Replacement wethers \$/Hd				
	\$31.50	\$47.25	\$63.00	\$78.75	\$94.50
\$47.77	\$14.14	\$11.82	\$9.49	\$7.17	\$4.85
\$71.65	\$17.20	\$14.88	\$12.55	\$10.23	\$7.90
\$95.53	\$20.26	\$17.94	\$15.61	\$13.29	\$10.96
\$119.42	\$23.32	\$20.99	\$18.67	\$16.35	\$14.02
\$143.30	\$26.38	\$24.05	\$21.73	\$19.40	\$17.08

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

M.Weth. Wean. kg/Hd/wk	Feeding Adult Wethers kg/Hd/week				
	1.73 kg	2.60 kg	3.46 kg	4.33 kg	5.19 kg
1.4 kg	\$17.55	\$16.87	\$16.19	\$15.51	\$14.83
2.1 kg	\$17.26	\$16.58	\$15.90	\$15.22	\$14.54
2.8 kg	\$16.97	\$16.29	\$15.61	\$14.93	\$14.26
3.5 kg	\$16.68	\$16.00	\$15.32	\$14.64	\$13.97
4.2 kg	\$16.39	\$15.71	\$15.03	\$14.36	\$13.68

Adult Wethers kg/hd/wk	Grain price \$/Tonne				
	\$140.00	\$210.00	\$280.00	\$350.00	\$420.00
1.7 kg	\$18.22	\$17.60	\$16.97	\$16.34	\$15.71
2.6 kg	\$17.89	\$17.09	\$16.29	\$15.49	\$14.69
3.5 kg	\$17.55	\$16.58	\$15.61	\$14.64	\$13.68
4.3 kg	\$17.21	\$16.07	\$14.93	\$13.80	\$12.66
5.2 kg	\$16.87	\$15.56	\$14.26	\$12.95	\$11.64

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