

MERINO WETHERS (18 micron)
Farm Enterprise Budget Series - Oct 2022 (ave. wool and sheep price 1 Apr to 30 Sep)
Flock size: 1000 wethers
Wether body weight: 53 kgs
DSE rating: 1.06 DSEs/wether

INCOME

Wool	number	class	kg /hd	\$/kg
Shear	980	Adult wethers	5.49	\$13.27
	175	wethers 4 months	1.14	\$5.84
Crutch	990	wethers	0.40	\$6.26
Sheep Sales	number	class	\$ /hd	
	158	CFA wethers	\$140.27	(23.3 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	
	175	wethers	\$92.53	(4 months)
Cartage	175	wethers	\$2.50	

Wool Harvesting & Selling Costs

				reps	
Shearing	1155	wethers	\$9.01	1	\$10,403
Crutching	990	wethers	\$1.84	1	\$1,825
Wool tax			1.50%		\$1,125
Commission, warehouse, testing charges			\$44.10/ bale		\$1,455
Wool - cartage	33	bales	\$16.00		\$528
- packs	33	packs	\$14.00		\$462

Sheep Health

Broadspectrum	825	wethers	\$1.44	2	\$2,376
	175	weaners	\$0.74	2	\$259
Narrowspectrum	1000	wethers	\$0.39	1	\$390
Lice control	1155	wethers	\$1.64	1	\$1,894
Fly control (long acting)	1000	wethers	\$2.34	1	\$2,340
Vaccination- 6 in 1	1000	wethers	\$0.38	1	\$380

Livestock Selling Costs

Livestock cartage	158	CFA wethers	\$2.50		\$395
Commission on sheep sales			4.50%		\$997
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$606

Pasture maintenance	106 ha	@	\$73 /ha		\$7,706
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Fodder

			Supplementary feed @ \$330 /t		
Wether - Adult	825	3.2 kg/hd/week	\$0.33 /kg	4 weeks	\$3,485
Wether weaners	175	2.8 kg/hd/week	\$0.33 /kg	10 weeks	\$1,617
Total feed		15,461 kg	@	\$330	\$5,102
Graz/fodder crop	0 ha	@	\$0 /ha		\$0

B. Total Variable Costs:

	excl. fodder	incl. fodder
GROSS MARGIN (A-B)	\$47,372.61	\$42,270.50
GROSS MARGIN /WETHER	\$47.37	\$42.27
GROSS MARGIN /DSE	\$44.69	\$39.88
GROSS MARGIN /HA	\$446.91	\$398.78

ASSUMPTIONS MERINO WETHERS (18 micron)

1. Flock Parameters

Cull age	6.5 years	Adult mortality	2%
Replacement age	4 months	Body weight	53 kg
Productive life	5 years	DSE rating	1.06
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 @ \$730t + \$7.00/ha application

2. Flock Structure

Sheep numbers are modified to reflect mortality throughout the year.

Age	No. of wethers
0.5	175
1.5	172
2.5	168
3.5	165
4.5	162
5.5	158
6.5	0
Total	1000

175 replacements bought

158 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	18	MF4B.	\$20.81	68%	\$14.19	1%VMB, 90mm	80%
- Skirtings/bellies	17	MP5B.	\$19.49	58%	\$11.25	4.8%VMB, 80mm	15%
- Cardings	18	MZ2B.	\$8.75	53%	\$4.64	2.9%VMB.	5%
					\$13.27		used in budget

4. Sensitivity Table (incl. fodder costs)

Wool Cut kg/hd	Adult wether Greasy Wool Price				
	\$/Kg greasy				
	\$6.64	\$9.95	\$13.27	\$16.59	\$19.91
2.74 kg	-\$8.79	-\$0.50	\$7.78	\$16.07	\$24.35
4.11 kg	(\$1.06)	\$11.37	\$23.80	\$36.22	\$48.65
5.49 kg	\$6.73	\$23.31	\$39.88	\$56.45	\$73.02
6.86 kg	\$14.46	\$35.18	\$55.89	\$76.60	\$97.32
8.23 kg	\$22.26	\$47.11	\$71.97	\$96.83	\$121.69

Crutching \$/hd	Total shearing Cost				
	\$/hd				
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51
\$0.92	\$45.65	\$43.19	\$40.74	\$38.29	\$35.83
\$1.38	\$45.22	\$42.76	\$40.31	\$37.85	\$35.40
\$1.84	\$44.78	\$42.33	\$39.88	\$37.42	\$34.97
\$2.30	\$44.35	\$41.90	\$39.45	\$36.99	\$34.54
\$2.76	\$43.92	\$41.47	\$39.02	\$36.56	\$34.11

CFA wethers \$/hd	Replacement wethers				
	\$/Hd				
	\$46.27	\$69.40	\$92.53	\$115.66	\$138.80
\$70.14	\$37.53	\$33.71	\$29.89	\$26.07	\$22.26
\$105.20	\$42.52	\$38.70	\$34.89	\$31.07	\$27.25
\$140.27	\$47.52	\$43.70	\$39.88	\$36.06	\$32.24
\$175.34	\$52.51	\$48.69	\$44.87	\$41.05	\$37.23
\$210.41	\$57.50	\$53.68	\$49.86	\$46.04	\$42.22

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				
	1.60 kg	2.40 kg	3.20 kg	4.00 kg	4.80 kg
1.4 kg	\$42.28	\$41.46	\$40.64	\$39.82	\$39.00
2.1 kg	\$41.90	\$41.08	\$40.26	\$39.44	\$38.62
2.8 kg	\$41.52	\$40.70	\$39.88	\$39.06	\$38.23
3.5 kg	\$41.14	\$40.32	\$39.50	\$38.67	\$37.85
4.2 kg	\$40.76	\$39.94	\$39.12	\$38.29	\$37.47

Adult Wethers kg/hd/wk	Grain price \$/Tonne				
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00
1.6 kg	\$43.11	\$42.31	\$41.52	\$40.73	\$39.94
2.4 kg	\$42.70	\$41.70	\$40.70	\$39.70	\$38.70
3.2 kg	\$42.28	\$41.08	\$39.88	\$38.67	\$37.47
4.0 kg	\$41.87	\$40.46	\$39.06	\$37.65	\$36.24
4.8 kg	\$41.46	\$39.85	\$38.23	\$36.62	\$35.01

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