

MERINO WETHERS (20 micron)

Farm Enterprise Budget Series - Oct 2022 (ave. wool and sheep price 1 Apr to 30 Sep)

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

INCOME

					Standard Budget \$	Your Budget \$
Wool	number	class	kg /hd	\$/kg		
Shear	980	wethers	6.06	\$8.70	\$51,709	
	174	wethers 4 month	1.26	\$4.37	\$961	
Crutch	990	wethers	0.40	\$6.26	\$2,481	
Sheep Sales	number	class	\$/hd			
	159	CFA wethers	\$156.56	(26.0 kg cwt)	\$24,838	
Fodder	tonnes	type	value per tonne			
Graz/fodder crop	0 t	0	\$0 /t		\$0	
A. Total Income:					\$79,988	

VARIABLE COSTS

Replacements	number	class	cost (\$)/hd			
	174	wethers	\$92.53	(4 months)	\$16,100	
Cartage	174	wethers	\$2.50		\$435	
Wool Harvesting & Selling Costs				reps		
Shearing	1154	wethers	\$9.01	1	\$10,394	
Crutching	990	wethers	\$1.84	1	\$1,825	
Wool tax			1.50%		\$827	
Commission, warehouse, testing charges			\$44.10/ bale		\$1,588	
Wool - cartage	36	bales	\$16.00		\$576	
- packs	36	packs	\$14.00		\$504	
Sheep Health						
Broadspectrum	826	wethers	\$1.59	2	\$2,628	
	174	weaners	\$0.74	2	\$258	
Narrowspectrum	1000	wethers	\$0.39	1	\$390	
Lice control	1154	wethers	\$1.64	1	\$1,893	
Fly control (long acting)	1000	wethers	\$2.34	1	\$2,341	
Vaccination- 6 in 1	1000	wethers	\$0.38	1	\$380	
Livestock Selling Costs						
Livestock cartage	159	CFA wethers	\$2.50		\$397	
Commission on sheep sales			4.50%		\$1,118	
Levies (Yard dues, MLA Transaction levy and LLS rates)					\$631	
Pasture maintenance	118 ha	@	\$73 /ha		\$8,579	
Fodder						
			Supplementary feed @ \$330 /t			
Wethers	826	3.5 kg/hd/week	\$0.33 /kg	4 weeks	\$3,774	
Wether weaners	174	2.8 kg/hd/week	\$0.33 /kg	10 weeks	\$1,608	
Total feed		16,308 kg	@	\$330	\$5,382	
Graz/fodder crop	0 ha	@	\$0 /ha		\$0	
B. Total Variable Costs:					\$56,242	
					excl. fodder	incl. fodder
GROSS MARGIN (A-B)					\$29,127.70	\$23,746.14
GROSS MARGIN /WETHER					\$29.13	\$23.75
GROSS MARGIN /DSE					\$24.68	\$20.12
GROSS MARGIN /HA					\$246.84	\$201.24

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 @ \$730t + \$7.00/ha application

2. Flock Structure

Sheep numbers are modified to reflect mortality throughout the year.

Age	No. of wethers
0.5	174
1.5	172
2.5	169
3.5	165
4.5	162
5.5	159
6.5	0
Total	1000

174 replacements bought

159 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.	\$14.22	65%	\$9.27	1%VMB, 90mm	80%
- Skirtings/bellies	19	MP5B.	\$13.12	56%	\$7.32	4.8%VMB, 80mm	15%
- Cardings	20	MZ2B.	\$7.12	52%	\$3.69	2.9%VMB.	5%
					\$8.70		used in budget

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

Wool Cut kg/hd	Wether Greasy Wool Price \$/Kg greasy				
	\$4.35	\$6.53	\$8.70	\$10.88	\$13.05
3.03 kg	-\$11.24	-\$5.85	-\$0.45	\$4.94	\$10.34
4.55 kg	(\$6.35)	\$1.74	\$9.84	\$17.93	\$26.02
6.06 kg	(\$1.46)	\$9.33	\$20.12	\$30.91	\$41.71
7.58 kg	\$3.37	\$16.86	\$30.35	\$43.84	\$57.33
9.10 kg	\$8.27	\$24.45	\$40.64	\$56.82	\$73.01

Crutching \$/hd	Total shearing Cost \$/hd				
	\$4.50	\$6.76	\$9.01	\$11.26	\$13.51
\$0.92	\$25.30	\$23.10	\$20.90	\$18.69	\$16.49
\$1.38	\$24.91	\$22.71	\$20.51	\$18.31	\$16.11
\$1.84	\$24.53	\$22.33	\$20.12	\$17.92	\$15.72
\$2.30	\$24.14	\$21.94	\$19.74	\$17.54	\$15.33
\$2.76	\$23.75	\$21.55	\$19.35	\$17.15	\$14.95

CFA wethers \$/hd	Replacement wethers \$/Hd				
	\$46.27	\$69.40	\$92.53	\$115.66	\$138.80
\$78.28	\$16.90	\$13.48	\$10.07	\$6.66	\$3.25
\$117.42	\$21.92	\$18.51	\$15.10	\$11.69	\$8.28
\$156.56	\$26.95	\$23.53	\$20.12	\$16.71	\$13.30
\$195.70	\$31.97	\$28.56	\$25.15	\$21.74	\$18.33
\$234.84	\$37.00	\$33.59	\$30.17	\$26.76	\$23.35

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	\$22.40	\$21.60	\$20.81	\$20.01	\$19.21
2.1 kg	\$22.06	\$21.26	\$20.46	\$19.66	\$18.87
2.8 kg	\$21.72	\$20.92	\$20.12	\$19.32	\$18.52
3.5 kg	\$21.38	\$20.58	\$19.78	\$18.98	\$18.18
4.2 kg	\$21.04	\$20.24	\$19.44	\$18.64	\$17.84

Adult Wethers kg/hd/wk	Grain price \$/Tonne				
	\$165.00	\$247.50	\$330.00	\$412.50	\$495.00
1.7 kg	\$23.20	\$22.46	\$21.72	\$20.98	\$20.24
2.6 kg	\$22.80	\$21.86	\$20.92	\$19.98	\$19.04
3.5 kg	\$22.40	\$21.26	\$20.12	\$18.98	\$17.84
4.3 kg	\$22.00	\$20.66	\$19.32	\$17.98	\$16.64
5.2 kg	\$21.60	\$20.06	\$18.52	\$16.98	\$15.44

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