

DairyBase Physical data



Your Levy at Work

Year	2016/17			
Land	Total owned area (ha)	Total leased area (ha)	Total usable area (ha)	Unusable area
	220	40	220	
	Milking area (ha)	Irrigated milking area	Irrigated support area	
	120	0	0	

Milk production 2169764 Litres
Fat (kg) 85884
Protein (kg) 70585

Rainfall measured 925

Terrain (flat/gentle/undulating/hilly/steep) **Undulating**

Distance walked by milkers 3 Total kms per day

Irrigation water used
 Milking Area Support Area
 (ML)

Livestock	Milking cow number (cows milked for 3 months or more)	290		
	Cows	Heifers 13+ mths	Yearlings/calves 1-12 mths	Breeding Bulls
Year opening number	286	90	110	5
Year closing number	280	110	90	5
Average number	290	110	100	5
Average weeks on milking area	50	3	0	8
Average weeks on support	2	49	52	44
Average weeks on agistment	0	0	0	0
Value	\$1600	\$1100	\$500	\$2250

The opening and closing numbers are used for livestock inventory and wealth calculations

The average stock number and livestock grazing details are used for pasture harvest calculations. The total time spent on the milking area, support and agistment for each livestock group should add up to 52 weeks.

Labour → 2424/2400 = 1.01FTE

Paid employees 1.01 Number of full time equivalent labour units

Unpaid family/sharefarmer 1.95 Number of full time equivalent labour units

↳ 30+60 = 90 x 52 = 4680/2400 = 1.95FTE

One full time unit is equivalent to 50 hours per week for 48 weeks a year

Feed

Concentrates:	Opening stock	Quantity purchased	Purchase price (\$/t or \$/t DM)	Quantity harvested on milking area	Quantity harvested on support area	Quantity fed on milking area	Quantity fed on support area	Closing stock	tDM or as fed
Wheat	10	618	240			570	38	20	As fed
Canola	0	54	421			46	6	2	As fed
Silage:									
Silage (bales)	0			700	281	739	165	77	Bales
(TDM)	0			182	73	192	43	20	TDM
Hay:									
Vetch Hay	0	79	264			73	6	0	Fresh weight
Cereal Hay	35	101	240			87	11	38	Fresh weight
Pasture Hay (bales)	0	208				60	60	88	Bales
(TDM)	0	50	190			14.4	14.4	21.2	TDM
Other feed:									
Calf pellets		9	400						
43600/9 = \$400									



Your grain and hay suppliers may be able to provide quantities supplied



Be consistent across the whole feed table and either enter quantities on a dry matter or as is basis



The feed quantities need to balance across the year

Fertiliser	120ha	40ha	Milking area	Support area
N (kgs/ha)	33720/120 = 281	8400/40 = 210		
P (kgs/ha)	3720/120 = 31	800/40 = 20		
K (kgs/ha)	9120/120 = 76	2400/40 = 60		

Milking area

Support area

Hay Bales = 208 bales - 50 TDM

Silage Bales =

700 milking area x 260 kg DM/bale / 1000 = 182 TDM

281 support area x 260 kg DM/bale / 1000 = 73 TDM

DairyBase Financial data

Variable costs

Herd costs	
AI and herd test	15 777
Animal health	^{15/16} 350 + ^{16/17} 420 = 31516
Calf rearing	^{15/16} 1091 + 3600 = 4691
Other herd costs	
Total herd costs	

Shed costs

Electricity	2 8309
Dairy supplies	^{15/16} 10496 - ^{16/17} 1858 + 900 = 9538
Other shed costs	
Total shed costs	

Feed costs

Fertiliser	^{15/16} 50274 + 5500 = 55774
Irrigation	
Hay and silage making	2 7475
Purchased fodder	23551 + 9519 + 20887 = 53957
Concentrates	13376 + 22744 + 148387 = 184507
Other feed	
Pasture and cropping	12428 + 575 = 13003
Fuel and oil	11 788
Agistment	
Other feed costs	
Total feed costs	

Cash overhead costs

Rates	10 348
Registration and insurance	1581 + 9524 = 11105
Repairs and maintenance	37673 + 489 = 38162
Paid labour	54 971 + 5153 + 5680 + 3712 = 69516
Other overheads	2212 + 229 + 2735 + 397 = 5573
Total cash overheads	

Non cash overheads

Depreciation	Generally 10% of plant and equipment value
Imputed labour	Use \$72,800 per FTE unit
Total non-cash overheads	

Income

Milk income (net)	758 234
Livestock sales (net)	60 269
Feed sales	
Other farm income	2 669
Total farm income	
Non-farm income	87 200
	65 000 + 22 200 FMD



Remember the 'Matching Principle' only includes the cost of products that are used in this financial year

Net of levies and charges. (Check this)*

Net of levies and charges 61261 - 5112 - 380 + 4500
 cattle sales charges



Your milk processor should be able to provide a summary of milk production and income

Finance costs					
Interest on loans		155867			
Lease costs	$9600 + 6398 =$	15998			
Total finance cost					
Capital costs					
Livestock purchases	5522 - cattle purchases				
Other capital purchases	3904 - new plant				
Total capital costs					
Other cash payments					
Principal repayments	103027				
Drawings (family/personal)	32052				
Total other cash payments					
Assets					
Farm operating assets owned			Opening	Closing	
Feed					
Other current assets					
Owned land and improvements			3932940	3932940	- 220ha x \$17877/ha
Owned water					
Owned plant and equipment			236000	212400 + 2904 = 216304	
Owned livestock				(exclude (new plant) 10%)	
Total operating assets owned					
Operating Assets Leased					
Total Assets Leased			600000	600000	
Other Farm Business Assets					
Milk company shares					
Farm management deposits			95000	30000	Used \$65k to assist with cashflow
Other owned assets					
Total other assets					
Liabilities					
Owner liabilities			Opening	Closing	
Current liabilities					
Equipment loans			46670	27557	
Long-term loans			2810392	2726478	
Total farm liabilities					