

July, 2016

FINPACK

Livestock Budgets

Based on 2015 FINBIN Database Reports

Data Source:

Minnesota Farm Business Management, Minnesota State Colleges and Universities
Southwest Minnesota Farm Business Management Association, University of Minnesota

Dale Nordquist
Kyle Lawstuen

These budgets are intended to provide guidelines for developing FINPACK livestock plans. They are based on the actual costs and returns of Minnesota farm producers included in the FINBIN Farm Financial Database in 2015. Where sufficient farms reported results, the farms are sorted into low/medium/and high profit groups to show the range of results. Note that prices listed are the actual prices received for 2015 sales. When using these budgets to project future cash flows, adjustments should be made to these prices.

Farms included participate in the MnSCU Farm Business Management program or the University of Minnesota's Southwest Minnesota Farm Business Management Association. No attempt was made to predict future costs or prices; these are the actual cost and returns reported for 2015 for these farms.

Note on Feed Equivalents:

The purchased feed expense for several of these enterprises includes substantial *Complete Rations*, resulting in lower corn equivalent requirements than might be expected. Where applicable, the pounds and value of complete rations are listed at the bottom of the table. For producers who do not feed complete rations, we would suggest decreasing purchased feed and increasing corn equivalents. Roughly, if it is estimated that half of the complete ration was corn, you would decrease purchased feed by half the complete ration cost and increase corn equivalents but half the weight divided by 56 pounds per bushel.

FINPACK Budget Estimates

Dairy (per cow)

	Profitability Group		
	Low 33 %	Mid 33%	High 34%
Sales quantity (lbs)	22,022	24,645	24,140
Price per cwt.	17.46	17.63	18.67
Product income	3,845.04	4,344.91	4,506.94
Cull income	322.40	368.52	363.44
Miscellaneous income	53.07	56.51	40.01
Gross income	4,220.51	4,769.94	4,910.39
Purchased feed ¹	1,186.58	1,269.38	1,142.57
Breeding	47.28	63.10	45.95
Veterinary	120.78	106.73	95.90
Supplies	289.82	269.89	263.16
Custom hire	59.77	56.48	63.86
Marketing	44.76	48.94	45.22
Bedding	84.64	75.60	76.22
Subtotal expense	1,833.63	1,890.12	1,732.88
Labor hours	41.9	42.1	38.9
Feed equivalents			
Corn equivalents (bu.) ¹	63.6	66.3	71.1
Hay equivalents (tons)	2.7	2.3	2.2
Silage equivalents (tons)	9.2	9.9	8.7
¹ Complete ration included in purch feed			
Pounds	1,374	1,287	1,886
Cost	347.74	294.91	217.28

Source: FINBIN Farm Financial Database (www.finbin.umn.edu)

Data Source: Minnesota Farm Business Management (FBM) Education

Southwest Minnesota Farm Business Management Association

FINPACK Budget Estimates

Dairy with Replacements (per cow)

	Profitability Group		
	Low 33 %	Mid 33%	Hi 34%
Sales quantity (lbs)	22,857	24,390	23,889
Price per cwt.	17.44	17.69	18.68
Product income	3,986.26	4,314.59	4,462.47
Cull income	330.06	381.91	367.94
Miscellaneous income	216.14	295.25	246.28
Gross income	4,532.46	4,991.75	5,076.69
Purchased feed ¹	1,428.05	1,437.82	1,410.00
Breeding	82.13	69.20	57.84
Veterinary	127.18	129.26	120.13
Supplies	398.14	398.88	312.59
Custom hire	61.02	60.80	68.79
Bedding	103.81	91.71	94.22
Subtotal expense	2,200.33	2,187.67	2,063.57
Labor hours	51.4	47.5	44.3
Feed equivalents			
Corn equivalents (bu.) ¹	70.1	70.1	72.6
Hay equivalents (tons)	3.1	3.0	2.5
Silage equivalents (tons)	11.5	11.5	10.8
¹ Complete ration included in purch feed			
Pounds	1,349	1,702	1,653
Cost	373.42	379.82	302.05

Source: FINBIN Farm Financial Database (www.finbin.umn.edu)

Data Source: Minnesota Farm Business Management (FBM) Education

Southwest Minnesota Farm Business Management Association

FINPACK Budget Estimates

Dairy Finishing (per head)

	Profitability Group		
	Low 33 %	Mid 33%	High 34%
Sales weight	1,391	1,442	1,450
Sales price per cwt.	135.67	134.32	137.63
Product income	1,887.17	1,936.89	1,995.64
Miscellaneous income	21.22	24.36	24.15
Gross income	1,908.39	1,961.25	2,019.79
Purchase price per head	736.17	932.43	607.66
Purchased feed ¹	293.39	211.22	327.59
Veterinary	37.23	24.23	18.09
Supplies	43.93	21.97	27.41
Marketing	11.78	11.46	16.63
Bedding	24.63	10.38	14.25
Subtotal expense	1,147.13	1,211.69	1,011.63
Labor hours	7.4	3.8	5.8
Death loss percent	4.2	1.9	3.0
Months on farm	17	12	16
Feed equivalents			
Corn equivalents (bu.) ¹	137.5	101.3	111.5
Hay equivalents (tons)	0.1	0.1	0.2
Silage equivalents (tons)	1.3	1.1	0.4
¹ Complete ration included in purch feed			
Pounds	288	776	1,311
Cost	48.92	46.19	145.51

Source: FINBIN Farm Financial Database (www.finbin.umn.edu)

Data Source: Minnesota Farm Business Management (FBM) Education

Southwest Minnesota Farm Business Management Association

FINPACK Budget Estimates

Beef Cow-Calf (per cow)

	Profitability Group		
	Low 33 %	Mid 33%	High 34%
Sales quantity (head)	0.64	0.77	0.92
Sales weight	582	560	583
Price per cwt.	201.39	215.42	198.76
Product income	750.14	928.89	1066.07
Cull income	117.49	126.09	188.53
Miscellaneous income	10.06	6.19	8.07
Gross income	877.69	1061.17	1262.67
Purchased feed ¹	108.99	97.91	87.66
Veterinary	29.38	30.35	29.62
Supplies	38.49	34.41	40.52
Custom hire	9.66	2.63	6.27
Subtotal expense	186.52	165.3	164.07
Labor hours	10.8	10.1	8.4
Feed equivalents			
Corn equivalents (bu.) ¹	4.5	2.1	3.3
Hay equivalents (tons)	3.1	2.3	2.1
Silage equivalents (tons)	2.7	2.7	2.0
Pasture (AUMs)	4.2	5.8	3.6
¹ Complete ration included in purch feed			
Pounds	220.1	11.1	21.1
Cost	14.0	6.1	2.8

Source: FINBIN Farm Financial Database (www.finbin.umn.edu)

Data Source: Minnesota Farm Business Management (FBM) Education

Southwest Minnesota Farm Business Management Association

FINPACK Budget Estimates

Beef Finishing (per head)

	Profitability Group		
	Low 33 %	Mid 33%	High 34%
Sales weight	1382	1391	1454
Sales price per cwt.	130.83	154.74	149.25
Product income	1,808.07	2,152.43	2,170.10
Miscellaneous income	25.42	22.53	10.85
Gross income	1,833.49	2,174.96	2,180.95
Purchase weight	615.00	744.00	665.00
Purchase price per cwt.	225.27	208.21	228.65
Purchase cost	1,385.41	1,549.08	1,520.52
Purchased feed	95.05	49.30	36.87
Veterinary	23.05	7.88	17.55
Supplies	30.92	14.75	14.18
Custom hire	8.41	2.62	3.60
Marketing	0.77	13.65	5.45
Subtotal expense	1,543.61	1,637.28	1,598.17
Labor hours	4.5	2.4	4.4
Death loss percent	2.0	0.9	0.6
Months on the farm	10	9	10
Feed equivalents			
Corn equivalents (bu.)	63.1	70.5	72.4
Hay equivalents (tons)	0.5	0.2	0.2
Silage equivalents (tons)	1.7	1.4	1.2

¹ Complete ration included in purch feed

Pounds	N/a	N/a	N/a
Cost	N/a	N/a	N/a

Data Source: Minnesota Farm Business Management (FBM) Education
Southwest Minnesota Farm Business Management Association

FINPACK Budget Estimates

Beef Backgrounding (per head)

Average

Sales weight	755
Sales price per cwt.	207.79
Product income	1568.81
Miscellaneous income	0.00
Gross income	1568.81
Purchase weight	575
Purchase price per cwt.	223.05
Purchase cost	1282.54
Purchased feed	7.93
Veterinary	7.38
Supplies	11.41
Marketing	3.14
Bedding	1.87
Subtotal expense	1314.27
Labor hours	2.0
Death loss percent	0.3
Months on the farm	3
Feed equivalents	
Corn equivalents (bu.)	7.3
Hay equivalents (tons)	0.29
Silage equivalents (tons)	0.38

Source: FINBIN Farm Financial Database (www.finbin.umn.edu)

Data Source: Minnesota Farm Business Management (FBM) Education

Southwest Minnesota Farm Business Management Association