2023/2025 Cost of Production

Bison Bull Backgrounding







Guidelines For Estimating Bison Bull Backgrounding Costs

For Weight Range of 480 - 800 lbs Based on 300 Head

Date: October, 2022

This guide is designed to provide you with planning information and a format for calculating costs of production of a bison bull backgrounding enterprise in Manitoba. General Manitoba Agriculture recommendations are assumed in using feed and veterinary inputs. These figures provide an economic evaluation of the livestock and estimated prices required to cover all costs. Costs include labour, investment and depreciation, but do not include management costs, nor do they necessarily represent the average cost of production in Manitoba.

Backgrounding generally refers to the feeding of calves from weaning until they are put onto a high concentrate finishing ration. An example of a typical backgrounding operation would be, feed 480 pound bulls to gain 1.25 to 2.0 pounds per day for approximately 100-200 days to produce 750 to 850 pound backgrounded feeders.

These budgets may be adjusted by putting in your own figures. As a producer you are encouraged to calculate your own costs of production. Good management is assumed in that a balanced ration is being fed, livestock are on a herd health program and handling facilities are included.

This tool is available as an Excel worksheet at:



<u>The Farm Machinery Custom and Rental Rate Guide</u> is also available to help determine machinery costs.

Note: This budget is only a guide and is not intended as an in-depth study of the cost of production of this industry. Interpretation and use of this information is the responsibility of the user. If you need help with a budget, contact a Farm Management Specialist.

Bison Bull Backgrounding Production Cost Summary October, 2022 Based on 300 feeders, weight range 480 to 800 lbs, @ 1.45 lbs. ADG

A. Operating Costs 1. Feed Costs	Cost/Head	Total Cost	Your Cost
1.01 Forage	\$80.80	\$24,240	
1.02 Grain/Concentrate	\$70.80	\$21,240	
1.03 Salt & Minerals	\$9.04	\$2,713	
Total Feed Costs	\$160.64	\$48,193	
2. Other Operating Costs	V.00.0 1	4 10, 100	
2.01 Feeder Cost	\$996.35	\$298,906	
2.02 Straw	\$7.00	\$2,100	
2.03 Pasture Costs	\$151.20	\$45,360	
2.04 Veterinary Medicine & Supplies	\$9.54	\$2,862	
2.05 Annual Fuel & Repair Costs	\$13.11	\$3,932	
2.06 Utilities	\$3.68	\$1,104	
2.07 Trucking Costs	\$19.09	\$5,727	
2.08 Insurance	\$6.48	\$1,944	
2.09 Manure Removal	\$11.89	\$3,567	
2.10 Barn & Office Supplies	\$4.67	\$1,401	
2.11 Death Loss	<u>\$17.71</u>	\$ <u>5,313</u>	
Subtotal Operating Costs	\$1,401.36	\$420,409	
2.12 Operating Interest	<u>\$55.26</u>	<u>\$16,579</u>	
Total Operating Costs	\$1, 456.63	\$436,988	
B. Fixed Costs	, ,	,,	
3. Depreciation			
3.01 Buildings	\$14.33	\$4,299	
3.02 Equipment	\$4.27	\$1,281	
3.03 Machinery	\$10.84	\$3,252	
4. Investment	ψ.σ.σ.	40,202	
4.01 Buildings	\$4.30	\$1,290	
4.02 Machinery & Equipment	\$4.76	\$1,42 <u>8</u>	
Total Fixed Costs	\$38.50	\$11,550	
Total Operating and Fixed Costs	\$1,495.13	\$448,538	
C. Labour	\$78.00	\$23,400	
Total Cost of Production	\$1,573.13	\$471,938	
Profitability	, and Breakeven A	Analysis	
Estimated Farmgate Gross Revenue @ \$180/cwt market p	Per Head \$1,382.40	<u>Total</u> \$414,720	
Operating Expense Ratio	105.4%		
	Breakeven Purcha	oo Prookovon Salling	
	Price (\$/cwt) @	se Breakeven Selling Price (\$/cwt) @	
	, , ,	ice \$205/cwt feeder price	
	\$192.11	\$189.66	
Operating Costs & Labour	\$192.11 \$175.86	\$109.00 \$199.82	
Operating Costs & Labour Operating & Fixed Costs	\$175.86 \$184.09	\$199.62 \$194.68	
Total Costs	\$167.84	\$194.00	
Tulai Gusis	φ107.04	φ ∠ υ 4 .03	
	Cost per lb of	Marginal Returns per he	ad
	gain sold (\$/cwt)	@ \$180/cwt market pric	<u>e</u>
Feed Costs	\$55.78	\$225.40	
Operating Costs	\$159.82	(\$74.23)	
Operating Costs & Labour	\$186.90	(\$152.23)	
Operating & Fixed Costs	\$173.19	(\$112.73)	
Total Costs	\$200.27	(\$190.73)	

Note: This budget is only a guide and is not intended as an in-depth study of the cost of production of this industry. Interpretation and utilization of this information is the responsibility of the user. No liability for decisions based on this publication is assumed.

Risk & Sensitivity Analysis (Stress Test)

Percent Market Price Change -10.0%
Percent Feed Cost Change 10.0%
Percent Feeder Cost Change 5.0%

| Per Head | \$162.00 | \$176.71 | | Feeder Cost | \$1,046.17 |

Stress Test Scenario = Market Price Down 10%, Feed Price Up 10% and Feeder Cost Up 5%

Operating Costs \$1,522.51

Total Costs \$1,639.01

Gross Revenue / feeder \$1,244.16

Marginal Returns

Over Operating Costs (\$278.35)

Over Operating & Labour Costs (\$356.35)

Over Total Costs (Net Profit) (\$394.85)

Operating Expense Ratio 122.4%

Estimated Breakeven Canadian Dollar Analysis*

	Est. Ma	rket Price (\$	/cwt Cdn) @	0.7300 Cdn p	er USD
	\$170.00	\$175.00	\$180.00	\$185.00	\$190.00
Breakeven CDN Dollar (\$1 Cdn = \$	USD)				
Operating Costs	0.6543	0.6736	0.6928	0.7120	0.7313
Operating & Labour Costs	0.6211	0.6393	0.6576	0.6759	0.6941
Operating, Fixed & Labour Costs	0.6059	0.6237	0.6415	0.6593	0.6771

Breakeven Canadian Dollar = (Est. Market Price (\$/lb) x Shrunk Wt. (lbs) x \$ Cdn per USD) / Cost (eg. ($\$1.80 \times 768$ lbs x \$0.7300) / \$1573.13) = \$0.6415

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Bison Bull Backgrounding Costs - Input

Herd Profile

Number of Feeders Purchased		300	head
Feeder Bull Mortality Rate		1.50	%
Feeder Purchased Weight		480	lbs
Feeder Bull Price		\$205	/cwt
Finish Weight		800	lbs
Feeder Selling Price		\$180	/cwt
Percent Shrink Off- feeder		4.00	%
Percent Shrink On- calf		0.00	%
Average Daily Gain		1.45	lbs/day
Dressing Percentage		0.00	%
\$1 Canadian Dollar	(\$1.3699 CDN)	\$0.7300	\$1 USD
Days On Feed		221	days
Days on Pasture		120	days
Days on Feed in Feedlot		101	days
Total Feed Cost per Bull		\$160.64	
Average Feed Cost per Day		\$1.59	
Feed Cost per lb. of Gain Sold (shrunk	(weight)	\$0.558	
Total Pounds of Gain		320	
Total Pounds of Gain (Shrunk Weight)		288	

Footnote: 1 kilogram (kg) = 2.2046 pounds (lbs)

Feed Costs	Cost	t	Feeder Bison Requirement
Grass Hay	\$100.00	/ton	16.00 lbs/day
Other Forage	\$0.00	/ton	0.00 lbs/day
Silage	\$0.00	/ton	0.00 lbs/day
Grain/concentrate	\$0.200	/lb	3.50 lbs/day
Salt	\$0.14	/lb	3.50 lbs/year
Mineral	\$0.91	/lb	9.40 lbs/year
D			44.00

Pasture Costs cost / day \$1.26

Other Operating Costs

Straw	S	tr	a	w
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Annual Requirement	0.100	tonnes/feeder
Cost	\$70.00	/tonne

Veterinary Medicine & Supplies

Feeder Medication	
Blackleg (8 way vaccine)	\$0.83 /feeder
Vitamin	\$0.00 /feeder
Parasite Control	\$7.60 /feeder

Herd Health Pr Professional Total Yearly	Services		hours
Rate		\$175.00	/hour
Transportation Total Distar Charge per Number of y	nce (round trip) km	160 \$1.00 1	km
,	l Costs - Winter Feeding		
	n Loader PTO hp	120	n:
Diesel Fuel	• • • • • • • • • • • • • • • • • • • •	\$1.65	
	urs Per Day (average) air (% of investment cost)	1.00 1.00	hours
, , ,	e repair (% of investment c		
Utilities	e repair (70 or investment o	031) 2.00	70
- Rate	kWh per feeder	\$0.09324 \$335.66	/ kWh
	1000 watt waterer	<u>\$169.51</u>	
	Tot	al Hydro \$505.17	
Water		\$0.00	
Telephone		\$600.00	
Trucking to Fee		4=0	
Distance to pa	cking plant		miles
Trucking cost Number of hea	d per load	\$7.00 85	/loaded mile
Number of flea	u per loau	03	
Trucking Cost			
Trucking cost	Rate/loaded mile	\$7.00	/loaded mile
· ·	Milage, distance to marke	et 150	miles
	Truck capacity # head	55	head
Manure Remova	al		
Manure volum	e produced	0.024	m ³ /feeder/day
Manure volum	e shrinkage	75	%
Cost for manu	re removal & application	\$15.00	/cubic yard
Insurance			
	Capital Invested in:		
Livestock		\$0.45	
Buildings & E		\$0.40	
Additional Cov	erage for Liability	\$49.00	

Wage

Barn & Office Supplies

Total yearly expense relating to barn \$1,400.00

Operating Interest Rate 7.75 % Investment Interest Rate 3.00 %

Footnote: cwt = hundred-weight = 100 lbs

Capital Costs

	Original Value	Salvage Value	ι	Jseful Life
Handling Facilities				
Land & Landscaping	\$10,000			
Waterers	\$6,000			
Squeeze, Gates & Scale	\$20,000			
Well & Pressure System	\$8,000			
Pens (Working & Sorting)	\$42,000			
Total Building Cost	\$86,000	0	%	20 years
Equipment				
Self Feeder	\$27,000			
Hay Feeders	\$2,500			
Miscellaneous	\$2,500			
Total Equipment Cost	\$32,000	0	%	25 years
Machinery				
Tractors & Loader (\$120,000 @ 30%)	\$36,000	20	%	15 years
Miscellaneous	\$20,000	20	%	10 years
Total Capital Investment	\$174,000			
Labour Costs				
Hours		3.0	head/yea	r

\$26.00 /hour

Bison Bull Backgrounding Cost Worksheet Based on 300 head

Assumptions

- 1. This budget assumes the weaning and/or purchase weight of bison bull calves to be approximately 480 lbs and finish weight to be 800 lbs.
- 2. This budget assumes a shrink of 4 %. Shrunk Weight weight = 768 lbs.
- 3. Average Daily Gain = 1.45 lbs per day.
- 4. Time frame from start to finish is approximately 221 days, 101 days backgrounding ration and 120 days pasture.
- 5. Grain ration if used is prepared (minerals and salt included).
- 6. This budget is based an a backgrounding enterprise of 300 bulls.

A. Operating Costs

				Your Cost
1. Feed Costs				
1.01 Forage				
Grass	Hay	101	days on feed	
	Χ	16.0	lbs/feeder/day	
	X	\$0.050	<u>/lb</u>	
	=	\$80.80	/feeder	
Silage		101	days on feed	
	X	0.0	lbs/feeder/day	
	X	<u>\$0.00</u>	<u>/lb</u>	
	=	\$0.00	/feeder	
Other f	orage	101	days on feed	
	X	0.0	lbs/feeder/day	<u></u>
	X	<u>\$0.00</u>	<u>/lb</u>	
	=	\$0.00	/feeder	
	=	\$80.80	/feeder	
1.02 Grain/Co	ncetrate	•		
		101	days on feed	
	Х	3.5	lbs/feeder/day	
	=	0.177	tons fed	
	Χ	\$0.200	<u>/lb</u>	
	=	\$70.80	/feeder	

			Your Cost
1.03 Salt & Minerals			
1.05 Call & Millerals	3.5	lbs salt/year	
Х	<u>\$0.14</u>	\$/Ib	
=	\$0.49	/feeder	
	9.4	lbs mineral/year	
X	<u>\$0.91</u>	<u>\$/lb</u>	
=	\$8.55	/feeder	
=	\$9.04	/feeder	
2. Other Operating Cos	ts		
2.01 Feeder Bison Co	ost		
	480	lbs/feeder	
Χ	\$205.00	/cwt	
÷	<u>100</u>	lbs/cwt	
=	\$984.00	/feeder	
	150	miles	
X	\$7.00	\$/loaded mile	
÷	Ψ7.00 <u>85</u>	·	
=	\$12.35		
	•		
=	\$996.35	/feeder	
2.02 Straw			
	0.10	tonnes/feeder/year	
X	<u>\$70.00</u>	<u>/tonne</u>	
=	\$7.00	/feeder	
2.03 Pasture Costs			
	\$1.26	\$/head/day	
X	<u>120</u>		
=	\$151.20	/feeder	
2.04 Veterinary Medic	ine & Supp	olies	
Medication	<u></u>	blooklog	
.1	\$0.83	blackleg vitamin	
+	\$0.00 \$7.60		
+	<u>\$7.60</u>	<u>parasite control</u>	

				Your Cost
	=	\$8.43	/feeder	
l land b	141_			
Herd health program			/hour chargo	
	Х	\$175.00 1.0	/hour charge hours	
	^ ÷	300	<u>feeders</u>	
	=	\$0.58	/feeder	
		,		
Mileag	е			
		\$1.00	/km charge	
	Χ	160	kilometres	
	Χ	1	visits	
	÷	300	<u>feeders</u>	
	=	\$0.53	/feeder	
Total	=	\$9.54	/feeder	
0.05 A	1 0	D	_	
2.05 Annual Formation Machinery fue		-	5	
Machinery rue	1 6051	120	PTO hp	
	÷	2.5	avg HP required	
	X	0.1665576	litres fuel/hour/hp	
	X	1.0	hours per day	
	X	\$1.65	diesel / litre	
	<u>x</u>	101	days on feed	
	~	\$1,332.33	annual fuel cost	
	÷	300.00	feeders	
	=	\$4.44	/feeder	
Machinery repair & maintenance		•		
, ,		\$88,000	machinery capital cost	
	<u>x</u>	<u>1.00</u>	% repair rate	
	=	\$880.00	oil, repairs & maintenance	
	÷	300.00	<u>feeders</u>	
	=	\$2.93	/feeder	
Building & fence repair				
		\$86,000	building capital cost	
	<u>X</u>	<u>2.00</u>	% repair rate	
	=	\$1,720.00	oil, repairs & maintenance	
	÷	300.00	<u>feeders</u>	
	=	\$5.73	/feeder	
Total	=	\$13.11	/feeder	

\$1,105 cost/year ### 300 feeders ### 300 stance miles ### 350 head load capacity ### 100 ### 300 feeders ### 100 ###					Your Cost		
## 3.00 feeders feeder 2.07 Trucking Costs	2.06 Utilities						
2.07 Trucking Costs \$7.00 \$/loaded mile distance miles head load capacity = \$19.09 /feeder 2.08 Insurance \$154,000 building & equipment investment cost/\$100 capital + 100 + 300 feeders = \$2.05 /feeder \$984 feeder investment x \$0.45 cost/\$100 capital							
## Standard Costs \$7.00				<u> </u>			
\$7.00 \$/loaded mile distance miles		=	\$3.68	reeder			
X	2.07 Trucking C	osts					
## \$55 head load capacity feeder			\$7.00	\$/loaded mile			
2.08 Insurance \$154,000 building & equipment investment x \$0.40 cost/\$100 capital + 100 + 300 feeders = \$2.05 /feeder \$984 feeder investment x \$0.45 cost/\$100 capital + 100 = \$4.43 /feeder Total = \$6.48 /feeder 2.09 Manure Removal = 101 days on feed x 0.024 m³/feeder/day = 2.42 m³ manure volume x 75 % volume shrink x 1.30795 yd³ per m³ x \$15.00 yd³ manure removal cost = \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses + 300 feeders = \$4.67 /feeder 2.11 Death Loss		Χ					
\$154,000 building & equipment investment x \$0.40 cost/\$100 capital 100 deeders = \$2.05 /feeder \$984 feeder investment x \$0.45 cost/\$100 capital 100 deeder Total = \$6.48 /feeder 2.09 Manure Removal = 101 days on feed x 0.024 m³/feeder/day = 2.42 m³ manure volume x 75 % volume shrink x 1.30795 yd³ per m³ x \$15.00 yd³ manure removal cost = \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses \$1,400 total barn expenses \$4.67 /feeder 2.11 Death Loss		÷					
\$154,000 building & equipment investment x \$0.40 cost/\$100 capital + 100 + 300 feeders = \$2.05 /feeder \$984 feeder investment x \$0.45 cost/\$100 capital + 100 = \$4.43 /feeder Total = \$6.48 /feeder 2.09 Manure Removal = 101 days on feed x 0.024 m³/feeder/day = 2.42 m³ manure volume x 75 % volume shrink x 1.30795 yd³ per m³ x \$15.00 yd³ manure removal cost = \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses + 300 feeders = \$4.67 /feeder		=	\$19.09	/feeder			
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# 100 # 300 feeders # \$2.05 /feeder \$984 feeder investment x \$0.45 cost/\$100 capital # 100 # \$4.43 /feeder Total = \$6.48 /feeder 2.09 Manure Removal # 101 days on feed x 0.024 m³/feeder/day # 2.42 m³ manure volume x 75 % volume shrink x 1.30795 yd³ per m³ yd³ per m³ x \$15.00 yd³ manure removal cost # \$11.89 /feeder 2.10 Barn & Office Supplies # 300 feeders # 300 feeders # \$4.67 /feeder			\$154,000		nt		
## 300 feeders ## \$2.05 /feeder ## \$2.09			·	cost/\$100 capital			
\$984 feeder investment x \$0.45 cost/\$100 capital \(\frac{100}{2} \) = \$4.43 /feeder Total = \$6.48 /feeder 2.09 Manure Removal = 101 days on feed x 0.024 m³/feeder/day = 2.42 m³ manure volume x 75 % volume shrink x 1.30795 yd³ per m³ x \$15.00 yd³ manure removal cost = \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses \(\frac{1}{2} \) 300 feeders = \$4.67 /feeder							
\$984 feeder investment				· · · · · · · · · · · · · · · · · · ·			
x \$0.45 cost/\$100 capital \[\frac{1}{2} \frac{100}{4} \] = \$4.43 /feeder \[\text{Total} = \$6.48 /feeder \] 2.09 Manure Removal = 101 days on feed		_	Φ 2.03	rieedei			
### ### ##############################			\$984	feeder investment			
= \$4.43 /feeder Total = \$6.48 /feeder 2.09 Manure Removal = 101 days on feed		Χ	\$0.45	cost/\$100 capital			
Total = \$6.48 /feeder 2.09 Manure Removal = 101 days on feed		÷					
2.09 Manure Removal = 101 days on feed x 0.024 m³/feeder/day = 2.42 m³ manure volume x 75 % volume shrink x 1.30795 yd³ per m³ x \$15.00 yd³ manure removal cost = \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses \$\ddots \frac{300}{1000} \frac{feeders}{1000} \frac{feeders}{1000} \frac{1000}{1000} 100		=	\$4.43	/teeder			
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x 75 % volume shrink x 1.30795 yd³ per m³ x \$15.00 yd³ manure removal cost = \$11.89 /feeder 2.10 Barn & Office Supplies		X	0.024	<u> </u>			
x 1.30795 yd³ per m³ $\frac{x}{x} = \frac{\$15.00}{\$11.89} \frac{\text{yd}^3 \text{ manure removal cost}}{\text{feeder}}$ 2.10 Barn & Office Supplies $\frac{\$1,400}{\$1,400} = \frac{\$1,400}{\$1,400} =$		=	2.42	m ³ manure volume			
x \$15.00 yd³ manure removal cost \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses ÷ 300 feeders = \$4.67 /feeder		X	75				
= \$11.89 /feeder 2.10 Barn & Office Supplies \$1,400 total barn expenses \$\ddot{100}{\document		X	1.30795	yd ³ per m ³			
2.10 Barn & Office Supplies \$1,400 total barn expenses \$\ddot{1}{2} \frac{300}{1}{2} \frac{1}{2} \fr		<u>X</u>	<u>\$15.00</u>	<u>yd³ manure removal cost</u>			
\$1,400 total barn expenses ÷ 300 feeders = \$4.67 /feeder 2.11 Death Loss		=	\$11.89	/feeder			
\$1,400 total barn expenses ÷ 300 feeders = \$4.67 /feeder 2.11 Death Loss	2.10 Barn & Office Supplies						
÷ 300 feeders = \$4.67 /feeder 2.11 Death Loss				total barn expenses			
2.11 Death Loss		÷		•			
		=	\$4.67	/feeder			
	2.11 Death Loss						
			\$996.35	feeder cost			

+	\$1,383.65 \$19.09 2.00 <u>1.5</u> \$17.71 rest \$984.00 \$193.65 7.75 221 365 \$55.26	% mortality //feeder feeder cost ½ of feed & other costs % operating interest days on feed	Your Cost
	Сарі	tal Investment	
Handling Facilities Land & Landscaping Waterers Squeeze, Gates & Scale Well & Pressure System Pens (Working & Sorting) Total Building Cost Machinery & Equipment Self Feeder Hay Feeders & Miscellaneous Miscellaneous Tractor & Loader Miscellaneous Total		\$10,000 \$6,000 \$20,000 \$8,000 \$42,000 \$86,000 \$27,000 \$2,500 \$2,500 \$36,000 \$20,000 \$88,000	
Total Capital Investme	nt	\$174,000	
B. Fixed Costs			
3. Depreciation		o <u>st - Salvage Value</u> Iseful Life	
3.01 Buildings	\$86,000	original value	

				Your Cost
	_	\$0	salvage value	
	÷	20	years useful life	
	÷	<u>300</u>	<u>feeders</u>	
	=	\$14.33	/feeder	
3.02 Equipmen	t			
		\$32,000	original value	
	-	\$ 0	salvage value	
	÷	25	years useful life	
	÷	300 \$4.27	<u>feeders</u> / feeder	
	=	\$4.27	rteeder	
3.03 Machinery	,			
•		\$56,000	original value	
	-	\$7,200	•	
	÷	15	years useful life	
	÷	<u>300</u>	<u>feeders</u>	
	=	\$10.84	/feeder	
4. Investment				
		Original Cost	+ Salvage Value x Investment	Rate
			2	
4.04 Duildings				
4.01 Buildings		¢96,000	total building value	
	+	\$86,000 \$0	<u> </u>	
	÷	φυ 2	salvage value	
		3.00	average % investment interest	
	X ÷	300 300	feeders	
	=	\$4.30	/feeder	
		Ψ4.00	ricodoi	
4.02 Machinery	& I	Equipment		
		\$88,000	original value	
	+	\$7,200	salvage value	
	÷	2	average	
	Χ	3.00	% investment interest	
	÷	<u>300</u>	<u>feeders</u>	
	=	\$4.76	/feeder	
C. Labour				
		3.0	hours/feeder/year	
	Χ	<u>\$26.00</u>	<u>/hour</u>	
	=	\$78.00	/feeder	

Breakeven Calculations

Cost per Ib of gain sold (shrunk weight Feed Costs	t) ÷ =	\$160.64 <u>288</u> \$0.56	feed cost lbs gained weight /lb (gain sold)	
Operating Costs	- ÷ =	\$1,456.63 \$996.35 <u>288</u> \$1.60	operating costs feeder cost <u>lbs gained weight</u> / lb (gain sold)	
Operating & Labour Costs	- ÷ =	\$1,534.63 \$996.35 <u>288</u> \$1.87	operating costs feeder cost lbs gained weight /lb (gain sold)	
Operating & Fixed	- ÷ =	\$1,495.13 \$996.35 <u>288</u> \$1.73	oper. & fixed costs feeder cost lbs gained weight /lb (gain sold)	
Total Costs	- ÷	\$1,573.13 \$996.35 <u>288</u> \$2.00	total costs feeder cost <u>lbs gained weight</u> / lb (gain sold)	
Breakeven selling price (shrunk weight Operating Costs	t) ÷ =	\$1,456.63 <u>768</u> \$1.90	operating costs Ibs shrunk weight /Ib	
Operating & Labour Costs	÷ =	\$1,534.63 <u>768</u> \$2.00	operating & labour lbs shrunk weight / lb	
Operating & Fixed	÷ =	\$1,495.13 <u>768</u> \$1.95	oper. & fixed costs lbs shrunk weight / Ib	
Total Costs	÷ =	\$1,573.13 <u>768</u> \$2.05	total costs lbs shrunk weight / lb	

Breakeven purchase price (shrunk w	veight)		
Operating Costs		768	lbs shrunk weight
	Х	\$180.00	\$/cwt selling price
	=	\$1,382.40	income
	-	\$460.27	operating less feeder cost
	<u>÷</u>	<u>480</u>	lbs purchase weight
	=	\$1.92	/lb
Operating & Labour Costs		768	lbs shrunk weight
	Х	\$180.00	\$/cwt selling price
	=	\$1,382.40	income
	-	\$538.27	operating less feeder cost
	÷	<u>480</u>	lbs purchase weight
	=	\$1.76	/lb
Operating & Fixed		768	lbs shrunk weight
	Х	\$180.00	\$/cwt selling price
	=	\$1,382.40	income
	-	\$498.77	op. & fixed less feede <u>r cost</u>
	÷	<u>480</u>	lbs purchase weight
	=	\$1.84	/lb
		700	
Total Costs		768	lbs shrunk weight
	Х	\$180.00	\$/cwt selling price
	=	\$1,382.40	income
	-	\$576.77	total less feeder cost
	<u>÷</u>	<u>480</u>	lbs purchase weight
	=	\$1.68	/lb

October, 2022

Contact Us

For more information, contact a Farm Management Specialist.

- manitoba.ca/agriculture
 mbfarmbusiness@gov.mb.ca
 1-844-769-6224

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