





# Guidelines For Estimating Beef Backgrounding Costs

For Weight Range of 500 - 900 lbs Based on 500 Head

Date: September, 2021

This guide is designed to provide you with planning information and a format for calculating costs of production of a backgrounding feeder calf enterprise in Manitoba. General Manitoba Agriculture and Resource Development 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 500 pound steers to gain 1.5 to 2.5 pounds per day for approximately 100-200 days to produce 800 to 900 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: <a href="www.manitoba.ca/agriculture">www.manitoba.ca/agriculture</a>
or at your nearest <a href="ARD/MASC Service Centre location.">ARD/MASC Service Centre location.</a>
The Farm Machinery Custom and Rental Rate Guide 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 your nearest ARD/MASC Service Centre location.

# Backgrounding Cattle Production Cost Summary - September, 2021 Based on 500 feeders, weight range 500 to 900 lbs, Corn Silage ration @ 2.5 lbs. ADG

Basea on oco recacro, weight range oco	to ooo iso, com o	lage fation @ 2.5 lbs. A	
A. Operating Costs	Cost/Head	<u>Total Cost</u>	Your Cost
1. Feed Costs			
1.01 Alfalfa Grass Hay (57.8 % TDN, 13.7 % CP)	\$68.00	\$34,000	
1.02 Corn Silage (65.2 % TDN, 8.7 % CP)	\$99.75	\$49,900	
1.03 Barley Silage (63 % TDN, 11 % CP)	\$0.00	\$0 _	
1.04 Barley Grain (83.1 % TDN, 12.5 % CP)	\$127.92	\$64,065	
1.05 Greenfeed	\$0.00	\$0 _	
1.06 Straw	\$0.00	\$0 _	
1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%(		\$0 *40.000	
1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP) 1.09 1:1 Premix		\$10,800	
1.10 2:1 Premix	\$0.00 \$32.72	\$0 \$16.400	
1.11 Limestone	\$1.40	\$16,400 \$704	
1.12 Other	\$0.00	\$0 \$0	
Total Feed Costs	\$350.98	\$175,8 <del>69</del>	
2. Other Operating Costs	ψ000.50	Ψ170,000	
2.01 Feeder Cost	\$1,165.25	\$582,625	
2.02 Straw	\$1,103.23	\$9,600	
2.03 Veterinary Medicine & Supplies	\$25.25	\$12,625	
2.04 Annual Fuel & Repair Costs	\$9.57	\$4,784	
2.05 Utilities	\$3.31	\$1,655	
2.06 Feeder Selling Cost	\$32.93	\$16,463	
2.07 Insurance	\$1.60	\$800	
2.08 Manure Removal	\$12.56	\$6,278	
2.09 Barn & Office Supplies	\$1.20	\$600	
2.10 Death Loss	\$27.54	\$13,770	
Subtotal Operating Costs	\$1,649.38	\$825,069	
2.11 Operating Interest	\$30.85	\$15,425	
Total Operating Costs	\$1,680.23	\$840,494	
B. Fixed Costs	,	·	
3. Depreciation			
3.01 Buildings	\$7.21	\$3,605	
3.02 Machinery & Equipment	\$17.28	\$8,640	
4. Investment		· · · -	
4.01 Buildings	\$2.42	\$1,210	
4.02 Machinery & Equipment	<u>\$3.56</u>	\$1,780	
Total Fixed Costs	<u>\$30.47</u>	<u>\$15,235</u>	
Total Operating and Fixed Costs	\$1,710.70	\$855,729	
C. Owners, Labour 9 Living	¢25.00	¢12.500	
C. Owners - Labour & Living	\$25.00 \$4.735.70	\$12,500 ***********************************	
Total Cost of Production	\$1,735.70	\$868,229	
Profitability and I	Breakeven Analysis	;	
Estimated Farmgate	Per Head	<u>Total</u>	
Gross Revenue @ \$195/cwt market price	\$1,702.35	\$851,175	
	<b>+</b> 1,1 <b>-</b> 1.00	+++++++++++++++++++++++++++++++++++++++	
E	Breakeven Purchase	Breakeven Selling	
	Price (\$/cwt) @	Price (\$/cwt) @	
<u>\$</u> :	195/cwt market price	\$230/cwt feeder price	
Operating Costs	\$234.42	\$192.47	
Operating Costs & Labour	\$229.42	\$195.33	
Operating & Fixed Costs	\$228.33	\$195.96	
Total Costs	\$223.33	\$198.82	
	Cost per lb of	Marginal Returns per he	ad
~	ain sold (\$/cwt)	@ \$195/cwt market prid	
Feed Costs	\$94.10	\$186.12	<u>~</u>
Operating Costs	\$94.10 \$142.15	\$100.12 \$22.12	
Operating Costs & Labour	\$148.86	(\$2.88)	
Operating Costs & Labour Operating & Fixed Costs	\$150.32	(\$8.35)	
Total Costs	\$157.02	(\$33.35)	
	-	(450.00)	
Return on Investment (ROI)	(1.9%)		
Estimated Return on Asset (ROA)	(7.3%)		

**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 5.0%
Percent Feeder Cost Change 5.0%

 Per Head

 Market Price (\$ per cwt)
 \$175.50

 Feed Cost
 \$368.53

 Feeder Cost
 \$1,223.51

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

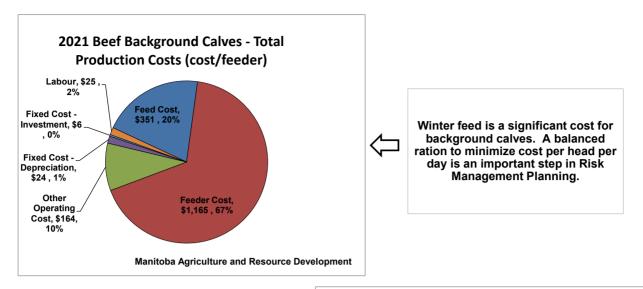
Operating Costs	\$1,756.04
Total Costs	\$1,811.51
Gross Revenue / feeder	\$1,532.12
Marginal Returns	
Over Operating Costs	(\$223.93)
Over Operating & Labour Costs	(\$248.93)
Over Total Costs (Net Profit)	(\$279.40)
Operating Expense Ratio	114.6%

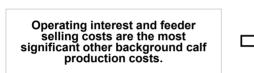
# **Estimated Breakeven Canadian Dollar Analysis**

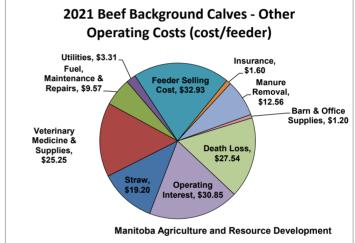
	Est. Market Price (\$/cwt Cdn) @ 0.7850 Cdn per USD						
	\$185.00	\$190.00	\$195.00	\$200.00	\$205.00		
Breakeven CDN Dollar (\$1 Cdn = \$ l							
Operating Costs	0.7545	0.7749	0.7953	0.8157	0.8361		
Operating & Labour Costs	0.7435	0.7636	0.7837	0.8038	0.8239		
Operating, Fixed & Labour Costs	0.7304	0.7502	0.7699	0.7897	0.8094		

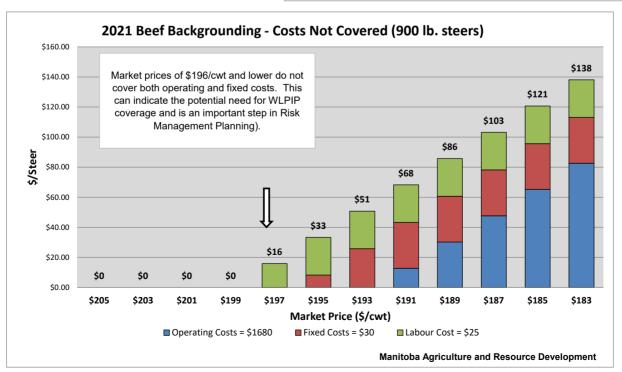
Breakeven Canadian Dollar = (Est. Market Price (\$/lb) x Shrunk Wt. (lbs) x \$ Cdn per USD) / Cost (eg. (\$1.95 x 873 lbs x \$0.7850) / \$1735.70) = \$0.7699

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### **Backgrounding Feeder Cattle Production Costs**

#### **Assumptions**

- 1. This budget outlines the cost of production for backgrounding cattle.
- 2. Buildings and equipment are valued at new cost.
- 3. All feed is purchased.

#### **Herd Profile**

Number of Feeders Purchased		500	head
Feeder Cattle Mortality Rate		2.00	%
Feeder Purchased Weight		500	lbs
Feeder Cattle Price		\$230.00	/cwt
Finish Weight (Maximum 900 lbs.)	)	900	lbs
Feeder Selling Price (WLPIP insu	red value)	\$195.00	/cwt
\$1 Canadian Dollar	(\$1.2739 CDN)	\$0.7850	/ \$1 USD
WLPIP Insurance Premium		\$0.00	/cwt
Percent Shrink at Sale		3.00	%

Average Daily Gain

Type of Feed Ration

2.50 lbs/day

Corn Silage

		Feed Cost
Weight Range	Days on Feed	\$/Steer/Day
500 to 600 lbs.	40	\$2.191
600 to 700 lbs.	40	\$2.476
700 to 800 lbs.	40	\$2.773
800 to 900 lbs.	<u>40</u>	\$3.028
TOTAL	160	

Total Feed Cost per Steer	\$350.98 /head
Average Feed Cost per Day	\$2.19
Feed Cost per lb. of Gain Sold (shrunk weight)	\$0.941

Total Pounds of Gain 400 lbs Total Pounds of Gain (Shrunk Weight) 373 lbs

				(Analysis Assumed)		
Feed Costs	\$/unit	Ibs/Unit	<u>\$/Ib</u>	<u>TDN</u>	<u>CP</u>	
Alfalfa Grass Hay	\$170.00	2,000	0.085	<b>57.8%</b>	13.7%	
Corn Silage	\$50.00	2,000	0.025	65.2%	8.7%	
Barley Silage	\$50.00	2,000	0.025	63.0%	11.0%	
Barley Grain	\$7.50	48	0.156	83.1%	12.5%	
Greenfeed	\$170.00	2,000	0.085			
Straw	\$60.00	2,000	0.030			
32-20% Feedlot Suppl.	\$475	2,205	0.215	61.7%	35.6%	
DDGS Corn/Wheat	\$360	2,205	0.163	77.0%	33.9%	
1:1 Premix	\$40.00	55	0.727			
2:1 Premix	\$40.00	55	0.727			
Limestone	\$5.50	55	0.100			
Other	\$0.00	2,000	0.000			

FOOTNOTE: 1 bushel (bu) barley = 48 lbs = 21.8 kg 1 kilogram (kg) = 2.2046 pounds (lbs)

1 tonne (t) = 1,000 kg

### Other Operating Costs

Feeder Purchase Costs		
Buying Commission	\$5.00	/head
Trucking-in	\$1.70	/cwt
Insurance fee	\$1.75	/head
Straw Bedding		
lbs/day	4.00	/head
cost	\$60.00	/ton
Veterinary Medicine & Supplies Cattle Medication		
IBR,BVD,PI3,BRSV, Pasteurella	\$4.90	/head
Vitamin A-D	\$0.50	/head
External & Internal Parasites	\$0.72	/head
Blackleg & Haemophilus	\$1.26	/head
Growth Implants	\$1.65	
Antibiotics	\$15.00	/head
Herd Health Program		
Professional Services		
Total Yearly Hours		hours
Rate	\$160.00	/hour
Transportation		
Total Kilometres (round trip)	80.0	
Rate	\$0.80	/km
Number of Yearly Visits	2	
Annual Fuel & Repair Costs		
a) Machinery Fuel Costs - Winter Feeding		
Tractor with Loader PTO hp	120	
Diesel Fuel Cost	\$1.10	
Tractor Hours Per Day (average)		hours
b) Machinery Repair (% of investment cost)	1.2	· -
c) Building maintenance (% of investment cost)	2.2	%
Utilities		
Hydro - Rate	\$0.08983	/ kWh
12 kWh per feeder	\$538.98	
2 1000 watt waterer	<u>\$517.42</u>	
Total Hydro	\$1,056.40	
Telephone	\$600.00	
Trucking Cost		
Average Weight		lbs/head
Distance		miles
Rate		/loaded mile
Truck Capacity		lbs/load
Number of head per load - calves	60	per load
Marketing Cost		
MBP/NCO Levy \$/Head	\$5.50	/head
Commission on Sales		
Market Value	<b>\$20.00</b> \$195.00	

#### **Manure Removal**

Manure volume produced

Manure volume shrinkage

Cost for manure removal & application

0.024 m³/feeder/day

75 %

\$10.00 /cubic yard

#### Insurance

Labour Rate

Cost per \$100 Capital Invested in
a) Livestock \$0.00 /\$100
b) Building & Equipment \$0.40 /\$100
Additional Coverage for Liability \$49.00 /year

#### **Barn & Office Supplies**

Total yearly expense relating to barn \$600.00

Operating Interest Rate 5.00 % Investment Interest Rate 2.75 %

FOOTNOTE: cwt = hundred-weight = 100 lbs

Capital Costs	Original	Salvage	Useful
	<u>Value</u>	<u>Value</u>	<u>Life</u>
Buildings,Corrals & Water System			
Windbreak fence	\$6,300	<b>10</b> %	20 years
Pens	\$5,300	<b>10</b> %	20 years
Handling Facilities	\$7,500	<b>10</b> %	20 years
Waterers	\$6,000	<b>10</b> %	20 years
Gates	\$2,000	<b>10</b> %	20 years
Feeders	\$1,500	<b>10</b> %	20 years
Bunk Feeders	\$21,000	<b>10</b> %	20 years
Well & Pressure System	\$8,000	<b>10</b> %	20 years
Grain Bin	\$5,000	<b>10</b> %	20 years
Landscaping	<b>\$17,500</b>	<b>10</b> %	20 years
Total	\$80,100		-
Machinery & Equipment			
Tractors & Loader (\$160,000 @ 30%)	\$48,000	<b>20</b> %	10 years
Miscellaneous	\$60,000	<b>20</b> %	10 years
Total Investment	\$188,100		

Labour Costs Total

Hours/Head 1.0 hours

**\$25.00** /hour

#### Feed Costs & Requirements Worksheet

Total Days on Feed = 160 days @ 2.5 lbs. Average Daily Gain (ADG) Per Day

	Barley Silage Ration										
Weight Range (lbs)				500 to 600	600 to 700	700-800	800-900			Total Units	Total Feed
Days on Feed				40	40	40	40	Total lbs	Feed Cost	Required	Cost
Feed Name	\$/unit	lbs/Unit	\$/lb		As Fed Lbs	/Head/Day		/steer	\$/steer	(500 steers)	(500 steers)
Alfalfa Grass Hay	\$170.00	2000	\$0.085	3	3	2.5	2	420	\$35.70	105	\$17,850.00
Corn Silage	\$50.00	2000	\$0.025	0	0	0	0	0	\$0.00	0	\$0.00
Barley Silage	\$50.00	2000	\$0.025	23	25.75	29.25	32.5	4,420	\$110.50	1,105	\$55,250.00
Barley Grain	\$7.50	48	\$0.156	5	6	7	8	1,040	\$162.24	10,834	\$81,255.00
Greenfeed	\$170.00	2000	\$0.085	0	0	0	0	0	\$0.00	0	\$0.00
Straw	\$60.00	2000	\$0.030	0	0	0	0	0	\$0.00	0	\$0.00
32-20% Feedlot Suppl	\$475.00	2205	\$0.215	0	0	0	0	0	\$0.00	0	\$0.00
DDGS Corn/Wheat	\$360.00	2205	\$0.163	0	0	0	0	0	\$0.00	0	\$0.00
1:1 Premix	\$40.00	55	\$0.727	0.25	0.27	0.3	0.32	46	\$33.44	419	\$16,760.00
2:1 Premix	\$40.00	55	\$0.727	0	0	0	0	0	\$0.00	0	\$0.00
Limestone	\$5.50	55	\$0.100	0.06	0.085	0.11	0.13	15	\$1.50	137	\$753.50
Other	\$0.00	2000	\$0.000	0	0	0	0	0	\$0.00	0	\$0.00
		\$/he	ad/dav	\$1.798	\$2.040	\$2,265	\$2.476	•	\$343.38		\$171.868.50

	Corn Silage Ration										
Weight Range (lbs)				500 to 600	600 to 700	700-800	800-900			Total Units	Total Feed
Days on Feed				40	40	40	40	Total lbs	Feed Cost	Required	Cost
Feed Name	\$/unit	lbs/Unit	\$/lb		As Fed Lbs	/Head/Day		/steer	\$/steer	(500 steers)	(500 steers)
Alfalfa Grass Hay	\$170.00	2000	\$0.085	5	5	5	5	800	\$68.00	200	\$34,000.00
Corn Silage	\$50.00	2000	\$0.025	19	22	27	31.75	3,990	\$99.75	998	\$49,900.00
Barley Silage	\$50.00	2000	\$0.025	0	0	0	0	0	\$0.00	0	\$0.00
Barley Grain	\$7.50	48	\$0.156	4	5	5.5	6	820	\$127.92	8,542	\$64,065.00
Greenfeed	\$170.00	2000	\$0.085	0	0	0	0	0	\$0.00	0	\$0.00
Straw	\$60.00	2000	\$0.030	0	0	0	0	0	\$0.00	0	\$0.00
32-20% Feedlot Suppl.	\$475.00	2205	\$0.215	0	0	0	0	0	\$0.00	0	\$0.00
DDGS Corn/Wheat	\$360.00	2205	\$0.163	1	1	0.75	0.5	130	\$21.19	30	\$10,800.00
1:1 Premix	\$40.00	55	\$0.727	0	0	0	0	0	\$0.00	0	\$0.00
2:1 Premix	\$40.00	55	\$0.727	0.25	0.28	0.285	0.315	45	\$32.72	410	\$16,400.00
Limestone	\$5.50	55	\$0.100	0.065	0.09	0.09	0.105	14	\$1.40	128	\$704.00
Other	\$0.00	2000	\$0.000	0	0	0	0	0	\$0.00	0	\$0.00
	<u> </u>	\$/h	ead/day	\$1.875	\$2.131	\$2.296	\$2.476	•	\$350.98		\$175,869.00

Alfalfa Grass Hay Ration											
Weight Range (lbs)				500 to 600	600 to 700	700-800	800-900			Total Units	Total Feed
Days on Feed			40	40	40	40	Total lbs	Feed Cost	Required	Cost	
Feed Name	\$/unit	lbs/Unit	\$/lb		As Fed Lbs	/Head/Day		/steer	\$/steer	(500 steers)	(500 steers)
Alfalfa Grass Hay	\$170.00	2000	\$0.085	11.25	12.5	14	15	2,110	\$179.35	528	\$89,760.00
Corn Silage	\$50.00	2000	\$0.025	0	0	0	0	0	\$0.00	0	\$0.00
Barley Silage	\$50.00	2000	\$0.025	0	0	0	0	0	\$0.00	0	\$0.00
Barley Grain	\$7.50	48	\$0.156	6.75	7.8	8.7	9.7	1,318	\$205.61	13,730	\$102,975.00
Greenfeed	\$170.00	2000	\$0.085	0	0	0	0	0	\$0.00	0	\$0.00
Straw	\$60.00	2000	\$0.030	0	0	0	0	0	\$0.00	0	\$0.00
32-20% Feedlot Suppl.	\$475.00	2205	\$0.215	0	0	0	0	0	\$0.00	0	\$0.00
DDGS Corn/Wheat	\$360.00	2205	\$0.163	0	0	0	0	0	\$0.00	0	\$0.00
1:1 Premix	\$40.00	55	\$0.727	0.25	0.27	0.31	0.33	46	\$33.44	419	\$16,760.00
2:1 Premix	\$40.00	55	\$0.727	0	0	0	0	0	\$0.00	0	\$0.00
Limestone	\$5.50	55	\$0.100	0	0	0	0	0	\$0.00	0	\$0.00
Other	\$0.00	2000	\$0.000	0	0	0	0	0	\$0.00	0	\$0.00
		\$/he	ad/day	\$2.191	\$2.476	\$2.773	\$3.028		\$418.40		\$209,495.00

Feed Summary - 160 Days						
	Total Feed Cost per Steer	Average Feed Cost/Day	Feed Cost per lb. of Gain Sold (shrunk weight)			
Barley Silage Ration	\$343.38	\$2.146	\$0.9206			
Corn Silage Ration	\$350.98	\$2.194	\$0.9410			
Alfalfa Grass Hay Ration	\$418.40	\$2.615	\$1.1217			

**Note:** The suggested feed rations above were formulated using Cowbytes Beef Ration Balancer software with no included allowance for wastage during feeding. Feed ration quantity and costs should be adjusted accordingly. If you need help with a budget, contact your local Manitoba Agriculture office.

### **Backgrounding Cattle Production Cost Worksheet**

#### **Assumptions**

- 1. Average daily gain (ADG) was assumed to be 2.5 lbs/day.
- 2. It was assumed the feeder steer weighed in at 500 lbs shrunk weight, and was raised to 900 lbs (873 lbs after 3 % shrink).
- 3. Days on feed was 160.
- 4. Investment in facilities and equipment was assumed to handle 500 head.

1. Feed Costs  1.01 Alfalfa Grass Hay (57.8 % TDN, 13.7 % CP)  800.0   bs/feeder	A. Operating Costs			Your Cost
1.01 Alfalfa Grass Hay (57.8 % TDN, 13.7 % CP)  800.0   bs/feeder  x   \$0.085   \$/ b  = \$68.00   feeder  1.02 Corn Silage (65.2 % TDN, 8.7 % CP) 3,990.0   bs/feeder  x   \$0.025   \$/ b  = \$99.75   feeder  1.03 Barley Silage (63 % TDN, 11 % CP) 0.0   lbs/feeder  x   \$0.025   \$/ b  = \$0.00   feeder  1.04 Barley Grain (83.1 % TDN, 12.5 % CP) 820.0   lbs/feeder  x   \$0.156   \$/ b  = \$127.92   feeder  1.05 Greenfeed  0.0   lbs/feeder  x   \$0.085   \$/ b  = \$0.00   feeder  1.06 Straw  0.0   lbs/feeder  x   \$0.030   \$/ b  = \$0.00   feeder  1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP) 0.0   bs/feeder  x   \$0.215   \$/ b  = \$0.00   feeder  1.07 30-20% Feedlot Suppl. (61.7%TDN, 35.6%CP) 0.0   bs/feeder  x   \$0.215   \$/ b  = \$0.00   feeder  1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP) 130.0   bs/feeder  x   \$0.163   \$/ b  = \$21.19   feeder	1 Food Costs			
Source   S		: Hay (57 8 % TC	N 13 7 % CP)	
X   \$0.085   \$/lb	1.01 Anana Grass	• •	<del>-</del>	
\$68.00   feeder	Y			
1.02 Corn Silage (65.2 % TDN, 8.7 % CP)  3,990.0   lbs/feeder  \$\frac{\text{\$0.025}}{\text{\$99.75}} \frac{\text{\$/lb}}{\text{feeder}}\$  = \$\frac{\text{\$90.025}}{\text{\$99.75}} \frac{\text{\$/lb}}{\text{feeder}}\$  1.03 Barley Silage (63 % TDN, 11 % CP)  0.0   lbs/feeder  \$\times \frac{\text{\$0.025}}{\text{\$5/lb}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$0.000}}{\text{\$1/b}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$20.01}}{\text{\$5/lb}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$0.035}}{\text{\$5/lb}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$0.030}}{\text{\$5/lb}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$0.030}}{\text{\$5/lb}} \frac{\text{\$5/lb}}{\text{\$5/lb}}\$  = \$\frac{\text{\$0.000}}{\text{\$1/b}} \frac{\text{\$5/lb}}{\text{\$5/lb}}\$  = \$\frac{\text{\$0.000}}{\text{\$1/b}} \frac{\text{\$5/lb}}{\text{\$5/lb}}\$  = \$\frac{\text{\$0.000}}{\text{\$1/b}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$0.000}}{\text{\$1/b}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$0.163}}{\text{\$5/lb}} \frac{\text{\$5/lb}}{\text{\$1/b}}\$  = \$\frac{\text{\$1.19}}{\text{\$feeder}} \frac{\text{\$5/lb}}{\text{\$1/b}} \frac{\text{\$1/b}}{\text{\$1/b}} \f				-
3,990.0   lbs/feeder		Ψ00.00	7100001	
3,990.0   lbs/feeder	1.02 Corn Silage	(65.2 % TDN. 8.7	′ % CP)	
Source   System   S				
1.03 Barley Silage (63 % TDN, 11 % CP)   0.0	X			
1.03 Barley Silage (63 % TDN, 11 % CP)  0.0   lbs/feeder    x   \$0.025   \$/lb    = \$0.00   /feeder    1.04 Barley Grain (83.1 % TDN, 12.5 % CP)  820.0   lbs/feeder    x   0.156   \$/lb    = \$127.92   /feeder    1.05 Greenfeed    0.0   lbs/feeder    x   0.085   \$/lb    = \$0.00   /feeder    1.06 Straw    0.0   lbs/feeder    x   0.030   \$/lb    = \$0.00   /feeder    1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP)  0.0   lbs/feeder    x   0.215   \$/lb    = \$0.00   /feeder    1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP)  130.0   lbs/feeder    x   0.163   \$/lb    = \$21.19   /feeder				
0.0		·		
X   \$0.025   \$/lb	1.03 Barley Silage	e (63 % TDN, 11	% CP)	
\$0.00   feeder		-		
\$0.00   feeder	x	\$0.025	<u>\$/lb</u>	
Section   Sect	=		/feeder	
Section   Sect				
X   \$127.92   /feeder	1.04 Barley Grain	(83.1 % TDN, 12	2.5 % CP)	
1.05 Greenfeed    0.0   lbs/feeder		820.0	lbs/feeder	
1.05 Greenfeed    0.0   lbs/feeder	<u>×</u>			
0.0   lbs/feeder	=	\$127.92	/feeder	
0.0   lbs/feeder				
X   \$0.085   \$/ b	1.05 Greenfeed			
1.06 Straw  0.0   lbs/feeder    X				
1.06 Straw  0.0   lbs/feeder  x				
0.0 lbs/feeder  x 0.030 \$/lb  = \$0.00 /feeder  1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP)  0.0 lbs/feeder  x 0.215 \$/lb  = \$0.00 /feeder  1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP)  130.0 lbs/feeder  x 0.163 \$/lb  = \$21.19 /feeder	=	\$0.00	/teeder	
0.0 lbs/feeder  x 0.030 \$/lb  = \$0.00 /feeder  1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP)  0.0 lbs/feeder  x 0.215 \$/lb  = \$0.00 /feeder  1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP)  130.0 lbs/feeder  x 0.163 \$/lb  = \$21.19 /feeder	4.00 Ctro			
X       0.030       \$/lb         \$0.00       /feeder         1.07       32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP)         0.0       lbs/feeder         X       0.215       \$/lb         =       \$0.00       /feeder         1.08       DDGS Corn/Wheat (77 % TDN, 33.9 % CP)         130.0       lbs/feeder         X       0.163       \$/lb         =       \$21.19       /feeder	1.06 Straw	0.0	lh a lfa a dan	
= \$0.00 /feeder  1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP)  0.0  bs/feeder  x	V			
1.07 32-20% Feedlot Suppl. (61.7%TDN, 35.6%CP)  0.0   lbs/feeder    X				
0.0   lbs/feeder   X	_	φυ.υυ	rieeuei	
0.0   lbs/feeder   X	1 07 32-20% Feed	llot Suppl (61.79	%TDN 35.6%CP)	
x     0.215     \$/lb       =     \$0.00     /feeder       1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP)       130.0     lbs/feeder       x     0.163     \$/lb       =     \$21.19     /feeder	1.07 02-20701 000			
= \$0.00 /feeder  1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP)  130.0  bs/feeder    X	Y			
1.08 DDGS Corn/Wheat (77 % TDN, 33.9 % CP)  130.0 lbs/feeder  x 0.163 \$/lb  = \$21.19 /feeder				
130.0 lbs/feeder <u>x</u>		<b>40.00</b>	7100001	
130.0 lbs/feeder <u>x</u>	1.08 DDGS Corn/	Wheat (77 % TD	N. 33.9 % CP)	
<u>x</u> 0.163 <u>\$/ b</u> = <b>\$21.19</b> /feeder		•	•	
= \$21.19 /feeder				
4.00, 4.4 By and				
1.09 1:1 Premix	1.09 1:1 Premix			
0.0 lbs/feeder		0.0	lbs/feeder	
<u>x</u> <u>0.727</u> <u>\$/lb</u>	<u>x</u>	<u>0.727</u>	<u>\$/lb</u>	

=	\$0.00	/feeder	
1.10 2:1 Premix			
1.10 2:1 Premix	45.0	lbs/feeder	-
<u>x</u>	0.727	\$/lb	-
=	\$32.72	/feeder	
1.11 Limestone			
	14.0	lbs/feeder	-
<u>X</u> =	<u>0.100</u> <b>\$1.40</b>	<u>\$/lb</u> /feeder	-
_	φ1.40	rieedei	
1.12 Other			
	0.0	lbs/feeder	
<u>X</u>	0.000	<u>\$/Ib</u>	
=	\$0.00	/feeder	
2. Other Operating Costs			
2.01 Feeder Cattle Cos	st		
Commission	\$5.00	/feeder	
Insurance	\$1.75	/feeder	
Trucking-in	\$1.70	/cwt	
X ÷	500 <u>100</u>	lbs/feeder <u>lbs/cwt</u>	
<u>÷</u> =	\$8.50	/feeder	
	,		
Feeder	500	lbs/feeder	
X	\$230.00	/cwt	-
<u>÷</u> =	<u>100</u> \$1,150.00	<u>lbs/cwt</u> /feeder	-
_	ψ1,130.00	needel	
Total =	\$1,165.25	/feeder	
2.02 Straw			
2.02 Ollaw	4.00	lbs/feeder/day	
X	160.00	days on feed	
<u>x</u>	<u>\$60.00</u>	<u>/ton</u>	
=	\$19.20	/feeder	
2.03 Veterinary Medicir	no & Gunnlina		
Cattle Medication	ie & Supplies		
Catao Modioation	\$4.90	IBR,BVD,PI3,BRSV,Pasteurella	
+	\$0.50	Vitamin A-D	
+	\$0.72	External & Internal Parasites	
+	\$1.26	Blackleg & Haemophilus	-
+	\$1.65 <u>\$15.00</u>	Growth Implants Antibiotics	
<u>+</u> =	\$13.00 \$24.03	/feeder	
	Ψ=σ		
Herd Health Program Professional Services			
	\$160.00	/hour charge	
X	3.00	hours	
<u>÷</u> =	500.00	feeder cattle	
=	\$0.96	/feeder	

Transportation Cost	S		
,	\$0.80	/km charge	
X	80	kilometres	
X	2	visits	
<u>÷</u>	<u>500</u>	feeder cattle	
=	\$0.26	/feeder	
Total =	\$25.25	/feeder	
2.04 Annual Fuel &	Repair Costs		
Machinery fuel cost			
	120	PTO hp	
÷	2.5	avg HP required	
X	0.1665576	litres fuel/hour/hp	
X	1.5	hours per day	
X	\$1.10	diesel / litre	
<u>X</u>	<u>160</u>	days on feed	
	\$2,110.62	annual fuel cost	
<u>÷</u> =	<u>500.00</u>	<u>feeders</u>	
	\$4.22	/feeder	
Machinery repair & m			
	\$108,000	machinery capital cost	
<u>X</u>	<u>1.20</u>	% repair rate	
=	\$1,296.00	oil, repairs & maintenance	
<u> </u>	<u>500.00</u>	<u>feeders</u>	
	\$2.59	/feeder	
Building repair & mai			
	\$62,600	building capital cost	
<u>X</u>	<u>2.20</u>	% repair rate	
=	\$1,377.20	oil, repairs & maintenance	
=	\$1,377.20 <u>500.00</u>	oil, repairs & maintenance <u>feeders</u>	
	\$1,377.20	oil, repairs & maintenance	
= <u>÷</u> =	\$1,377.20 <u>500.00</u> \$2.75	oil, repairs & maintenance <u>feeders</u> /feeder	
=	\$1,377.20 <u>500.00</u>	oil, repairs & maintenance <u>feeders</u>	
= <u>÷</u> =	\$1,377.20 <u>500.00</u> \$2.75	oil, repairs & maintenance <u>feeders</u> /feeder	
= <u>÷</u> =	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b>	oil, repairs & maintenance feeders /feeder /feeder	
= ÷ = = 2.05 Utilities	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40	oil, repairs & maintenance feeders /feeder /feeder cost/year	
= ± = = 2.05 Utilities ±	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u>	oil, repairs & maintenance feeders /feeder /feeder  cost/year feeder cattle	
= ÷ = = 2.05 Utilities	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40	oil, repairs & maintenance feeders /feeder /feeder cost/year	
= ± = = 2.05 Utilities ± =	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b>	oil, repairs & maintenance feeders /feeder /feeder  cost/year feeder cattle	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b>	oil, repairs & maintenance feeders /feeder /feeder  cost/year feeder cattle	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b>	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b>	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b>	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile	
= ÷ = = 2.05 Utilities ÷ = 2.06 Feeder Selling Trucking Calves x	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00 <u>500.00</u>	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 <u>\$5.50</u> 490.00 <u>9.00</u> <u>500.00</u> \$7.43	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 <u>\$5.50</u> 490.00 <u>9.00</u> <u>500.00</u> \$7.43	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders /feeder	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00 <u>500.00</u> \$7.43 elling commission	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00 <u>500.00</u> \$7.43 elling commission \$5.50 \$0.00	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders /feeder  MBP Levy WLPIP Insurance Premium	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00 <u>500.00</u> \$7.43 elling commission \$5.50	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders /feeder  MBP Levy	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00 <u>500.00</u> \$7.43 Elling commission \$5.50 \$0.00 <u>\$5.50</u>	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders /feeder  MBP Levy WLPIP Insurance Premium commission	
=	\$1,377.20 <u>500.00</u> \$2.75 <b>\$9.57</b> \$1,656.40 <u>500</u> <b>\$3.31</b> <b>Cost</b> 75.00 \$5.50 490.00 9.00 <u>500.00</u> \$7.43 Elling commission \$5.50 \$0.00 <u>\$5.50</u>	oil, repairs & maintenance feeders /feeder  /feeder  cost/year feeder cattle /feeder  miles /loaded mile feeders loads feeders /feeder  MBP Levy WLPIP Insurance Premium commission	

2.07 Insurance			
	\$188,100	building & equipment investment	
X	\$0.40	/\$100 capital	
÷	100	/\$100	
<u>÷</u> =	500 \$1.50	feeder cattle	
=	\$1.50	/feeder	
	\$726,250	herd investment	
X	\$0.00	/\$100 capital	
÷	100	/\$100	
<u>÷</u> =	<u>500</u>	feeder cattle	
=	\$0.00	/feeder	
	\$49.00	additional coverage for liability	
<u>±</u> =	<u>500</u>	feeder cattle	
=	\$0.10	/feeder	
Total =	\$1.60	/feeder	
2.08 Manure Removal			
2.00 Manure Removal	160	days on feed	
X	0.024	m³/feeder/day	
=	3.84	m <sup>3</sup> manure volume	
X	75	% volume shrink	
X	1.30795	yd <sup>3</sup> per m <sup>3</sup>	
	\$10.00	yd <sup>3</sup> manure removal cost	
<u>x</u> =	\$12.56	/feeder	
2.09 Barn & Office Su			
	\$600.00	total barn expenses	
<u> </u>	<u>500</u> <b>\$1.20</b>	<u>feeder cattle</u> /feeder	
	¥•		-
2.10 Death Loss			
	\$1,165.25		
			·
+	\$1,621.84		
-	\$32.93	selling costs	
- ÷	\$32.93 2.00	selling costs average	
-	\$32.93	selling costs	
- ÷ <u>X</u> =	\$32.93 2.00 <u>2.00</u> <b>\$27.54</b>	selling costs average <u>% mortality rate</u>	
- ÷ × = 2.11 Operating Interes	\$32.93 2.00 2.00 \$27.54	selling costs average <u>% mortality rate</u> /feeder	
- ÷ × = 2.11 Operating Interes	\$32.93 2.00 2.00 \$27.54	selling costs average <u>% mortality rate</u>	
- ÷ × = 2.11 Operating Interes	\$32.93 2.00 2.00 \$27.54 st arged on one h	selling costs average % mortality rate /feeder  malf the subtotal operating costs) feeder cost	
- ÷ X =  2.11 Operating Interes (Operating interest is ch	\$32.93 2.00 2.00 \$27.54 st arged on one h \$1,165.25 \$242.06	selling costs average % mortality rate /feeder  malf the subtotal operating costs) feeder cost ½ of feed & other costs	
- ÷ X =  2.11 Operating Interest (Operating interest is ch	\$32.93 2.00 2.00 \$27.54 st arged on one h \$1,165.25 \$242.06 5.00	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest	
- ÷ X =  2.11 Operating Interest (Operating interest is cheeper to the company of	\$32.93 2.00 2.00 \$27.54 st arged on one h \$1,165.25 \$242.06 5.00 160.00	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest days on feed	
- ÷ X =  2.11 Operating Interest (Operating interest is ch	\$32.93 2.00 2.00 \$27.54 st arged on one h \$1,165.25 \$242.06 5.00	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest	
- ÷ X =  2.11 Operating Interest (Operating interest is cheeper to the company of	\$32.93 2.00 2.00 \$27.54 et arged on one h \$1,165.25 \$242.06 5.00 160.00 365.00 \$30.85	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest days on feed days /year /feeder	
- ÷ X =  2.11 Operating Interest (Operating interest is cheeper to the company of	\$32.93 2.00 2.00 \$27.54 et arged on one h \$1,165.25 \$242.06 5.00 160.00 365.00 \$30.85	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest days on feed days /year	
- ÷ X =  2.11 Operating Interest (Operating interest is cheeper to the company of	\$32.93 2.00 2.00 \$27.54 St arged on one by the standard of the standard o	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest days on feed days /year /feeder	
-  ÷  X =  2.11 Operating Interest (Operating interest is cheepen and interest	\$32.93 2.00 2.00 \$27.54 St arged on one by the standard of the standard o	selling costs average % mortality rate /feeder  malf the subtotal operating costs)  feeder cost ½ of feed & other costs % operating interest days on feed days /year /feeder	

Handling Faciliti Waterers Gates Feeders Bunk Feeders Well & Pressure Grain Bin Landscaping Total		\$7,500 \$6,000 \$2,000 \$1,500 \$21,000 \$8,000 \$5,000 \$17,500 \$80,100	
Machinery & Equ	ipment		
Tractor & Loade	r	\$48,000	
Miscellaneous		<u>\$60,000</u>	
Total		\$108,000	
Total Investment		\$188,100	
B. Fixed Costs 3. Depreciation Original	nal Cost - Salvago	Value	
3. Depreciation Origi	Useful Life	value	
3.01 Buildings	OSeiui Liie		
3.01 Buildings	\$80,100	original cost	
	\$8,010	original cost salvage value	
÷	20.00	years useful life	
<u>÷</u>	500.00	feeder cattle	
<u>-</u> =	\$7.21	/feeder	
_	Ψ1.21	riceuei	
3.02 Machinery &	Fauinment		
3.02 Wacilliery &	\$108,000	original cost	
	\$106,000 \$21,600	original cost	
÷		salvage value years useful life	
	10.00		
<u>÷</u> =	500.00	<u>feeder cattle</u> / <b>feeder</b>	
-	\$17.28	rieeder	
4 Investment Origin	al Cost + Salvago	Value x Investment Rate	
4. investment <u>Origin</u>	2	value x investment Rate	
4.04 B. W.B.	2		
4.01 Buildings	000 400		
	\$80,100	original cost	
+	\$8,010	salvage value	
÷	2.00 2.75	average % investment rate	
X			
<u>÷</u> =	500.00 <b>\$2.42</b>	feeder cattle /feeder	
-	<b>\$2.42</b>	rieeder	
4.02 Machinery &	Equipment		
4.02 Wacililery &	\$108,000	original cost	
+	\$21,600	salvage value	
÷	2.00	average	
	2.75	% investment rate	
X ÷	500.00	feeder cattle	<del> </del>
<u>÷</u> =	\$3.56	/feeder	<del> </del>
-	φ3.30	/ICGUGI	
C. Labour			
J. Laboui	1.0	hours/foodor/voor	
	1.0	hours/feeder/year	
<u> </u>	\$25.00 \$25.00	/hour	
=	\$25.00	/feeder	

Breakeven Calculations						
Cost per lb of gain sold (shrunk weight	()	<u> </u>	food cost			
Feed Costs		\$350.98	feed cost			
	÷	373 \$0.04	lbs gained weight			
	=	\$0.94	/lb (gain sold)			
Operating Costs		\$1,680.23	operating costs			
operaning control	_	\$1,150.00	feeder cost			
	÷	<u>373</u>	lbs gained weight			
	=	\$1.42	/lb (gain sold)			
			,			
Operating & Labour Costs		\$1,705.23	operating costs			
	-	\$1,150.00	feeder cost			
	÷	<u>373</u>	lbs gained weight			
	=	\$1.49	/lb (gain sold)			
Operating & Fixed		\$1,710.70	oper. & fixed costs			
Operating & Fixed		\$1,710.70	feeder cost			
	- ÷	\$1,130.00 373	lbs gained weight			
	=	\$1. <b>50</b>	/lb (gain sold)			
	_	φ1.50	715 (gailt sold)			
Total Costs		\$1,735.70	total costs			
	-	\$1,150.00	feeder cost			
	÷	373	lbs gained weight			
	=	\$1.57	/lb (gain sold)			
Breakeven selling price (shrunk weight	:)					
Operating Costs		\$1,680.23	operating costs			
	÷	<u>873</u>	<u>lbs shrunk weight</u>			
	=	\$1.92	/lb			
Operating & Labour Costs		\$1,705.23	operating & labour			
Operating & Labour Costs	÷	873	lbs shrunk weight			
	=	\$1.95	/lb			
		Ψ1.00	710			
Operating & Fixed		\$1,710.70	oper. & fixed costs			
	÷	<u>873</u>	lbs shrunk weight			
	=	\$1.9 <del>6</del>	/lb			
Total Costs		\$1,735.70	total costs			
	÷	<u>873</u>	<u>lbs shrunk weight</u>			
	=	\$1.99	/lb			

Breakeven purchase price (shrunk weight)		
Operating Costs	873	lbs shrunk weight
X	\$195.00	\$/cwt selling price
=	\$1,702.35	income
-	\$530.23	operating less feeder cost
<u>÷</u>	<u>500</u>	lbs purchase weight
=	\$2.34	/lb
Operating & Labour Costs	873	lbs shrunk weight
X	\$195.00	\$/cwt selling price
=	\$1,702.35	income
-	\$555.23	operating less feeder cost
<u> </u>	<u>500</u>	lbs purchase weight
=	\$2.29	/lb
Operating & Fixed	873	lbs shrunk weight
X	\$195.00	\$/cwt selling price
=	\$1,702.35	income
-	\$560.70	op. & fixed less feeder cost
<u>÷</u>	<u>500</u>	lbs purchase weight
=	\$2.28	/lb
Total Costs	873	lbs shrunk weight
X	\$195.00	\$/cwt selling price
=	\$1,702.35	income
-	\$585.70	total less feeder cost
<u> </u>	<u>500</u>	lbs purchase weight
=	\$2.23	/lb

#### **Profitability and Breakeven Analysis:**

Gross Revenue = Shrunk weight (lbs) x f price (eg. 873 x f 1.95/lb = f 1702.35) Return on Investment (ROI) = (Gross Revenue - Total Cost) / Total Cost

(eg. (\$1702.35 - \$1735.70) / \$1735.70 = -1.9%

Return on Asset (ROA) = (Margin Over Operating - Labour - Building Depreciation - Machinery Depreciation) / (Building, Machinery & Equipment Investment / Herd Size) (eg. (\$22.12 - \$25.00 - \$7.21 - \$17.28) / (\$188,100 / 500) = -7.3%

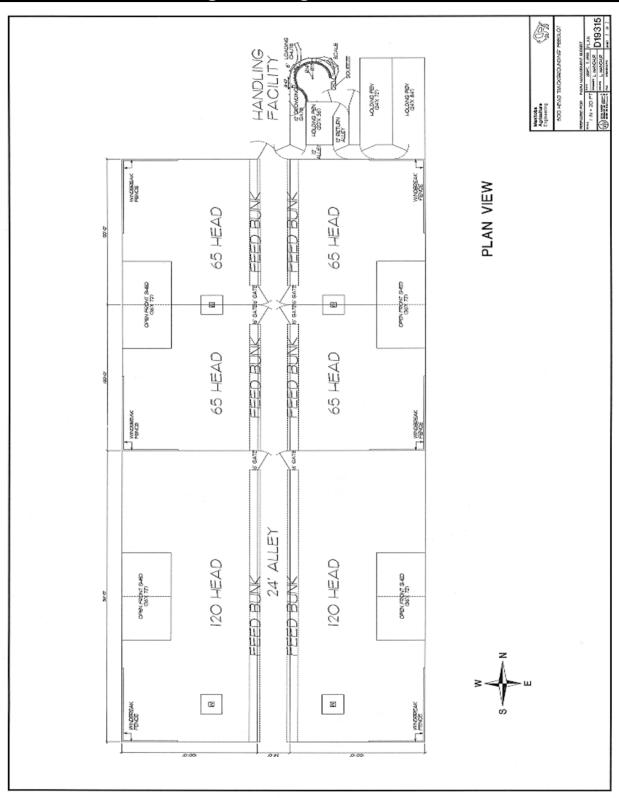
Created and maintained by <u>Manitoba Farm Management</u> September, 2021

For more information, contact your nearest <a href="ARD/MASC Service Center location">ARD/MASC Service Center location</a> or:

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# **Backgrounding Feedlot Facilities**



# **Contact us**

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