#### 150 Head Cow Herd - Representative Budget for South Central Nebraska

#### Background

Cattle production in south central Nebraska is an important economic driver. In this area of the state, a 150-cow herd is representative of the area. With this size of operation, a farm or ranch operator can handle most of the labor themselves. Once an operation gets to the 300 head cow count, then a salaried employee may be necessary, especially if family labor is not adequate. In addition to the 150-cow herd, producers typically raise row crops and hay for feed and to sell. The cow-calf operation represents 30 to 40% of a typical farm's gross income in this area.

#### **Livestock Management Practices**

Typical calving time for farms in south central Nebraska is March and April. Half of the cow calf operations keep replacement heifers of their own and the other half buy replacement heifers. Calves not held back for replacements or for preconditioning are sold at weaning (typically 205 days). Weaning rate per exposed cow is figured at 93%. Weaning time for the calves is in the fall each year with weaning weights averaging 525 to 575 pounds per calf. For this budget example, half of the weaned calves are kept for a sixty-day period for pre-conditioning where they will gain from 90 to 150 pounds. The pre-conditioned calves are generally sold after the first of the year depending on the producer's income tax plan. The cull rate for cows is approximately 10% annually, while bulls are culled every 4 to 5 years.

Chart 1: Cow-calf production flowchart provides production numbers for a typical 150 cow herd in the south-central area of Nebraska.



#### Pasture and Feed

Pasture and annual forages are utilized for the herd from May through September, then crop residue (corn stalks) and some cover crops are utilized from October up to March 1<sup>st</sup>. Supplementation is provided to the cows during pre-calving through calving season, February to April.

In this region of Nebraska, fifty percent of the pasture and crop residue land utilized for the cowcalf herd is owned with operators renting the other half for their cattle. Current pasture rental rates in the area are \$50 to \$60 per pair per month with pasture utilized for the herd from the May to September timeframe each year.

Raised feed and hay costs along with pasture and stalk rent expenses are included in the accompanying representative budget as cash feed expenses, even though a producer may own their own pasture, hay, and crop residue or stalk ground and raise their own feed grains. Typically pasture, hay, and raised crops should be considered as separate enterprises where the option of selling the products exists. Individual producers may indicate an opportunity cost for their land use for the cow-calf enterprise in lieu of current cash feed value or rental expenses in their budgets.

#### **Machinery, Equipment and Facilities**

Equipment utilized for the cattle enterprise includes a pickup, small 100 to 150 HP tractor with bucket, a stock trailer, feed wagon, portable chute, fence, and gate panels, and in many cases an ATV. Facilities typically include a steel or wood barn, a calving shed, corrals and barb wire fencing of approximately two miles and temporary fencing for stalks. Annual repair expenses for machinery and facilities are shown in the budget as fixed cash costs. Depreciation and opportunity costs of ownership are noted in the budget as non-cash costs.

#### **Non-Feed Input Costs**

Non-feed input costs can be entered into the budget on a "per animal" or a whole herd basis. In this representative budget, these costs were entered on a per animal basis and include labor, fuel, veterinary and medical cost, and marketing costs. Labor, fuel, and veterinary and medical costs are allocated to each animal category based on net increase in value during the production year. Marketing costs are broken down by each animal category of the herd and allocated accordingly. For example, cull bull marketing of \$35 per animal is included on the bull budget page and the system budget which is a summary of all projected revenue and expenses at the end of the budget report. The cost of direct marketing and the costs per head to sell thru a nearby sale barn can vary tremendously. Marketing expenses include the sales commission, transportation, and other costs to market. In this budget, both a commission and charge for hauling the cattle to sale are figured into marketing expense.

#### Other Depreciation, Interest, and Overhead Costs

Depreciation for purchased replacement heifers and bulls is figured in the difference of their cost of purchase to their sale value when culled. These figures are included in the breeding and bull budget pages and are carried over into the total system budget page as income when sold and expense when purchased. Depreciation expense for tax

purposes would be handled differently, in consultation with a tax accountant.

Opportunity interest of 3 percent is figured on the value of investment total in the livestock herd. This is an economic cost reflecting what rate of return could be earned if the herd were sold and the money invested in its most profitable alternative use.

Overhead expenses include the farm's annual insurance premium and professional fees. Real estate value and taxes are not included in this example because, as stated previously, rental costs are paid for all hay, stalks, and pasture. Therefore, this budget assumes that no ground utilized for the cow calf operation is owned by the cow calf enterprise. Real estate tax on the facilities is included in the budget and property tax is included in other expenses for the vehicles and equipment. An annual management charge and other expenses that pertain to the cow calf herd may be entered but are left blank in this representative budget.

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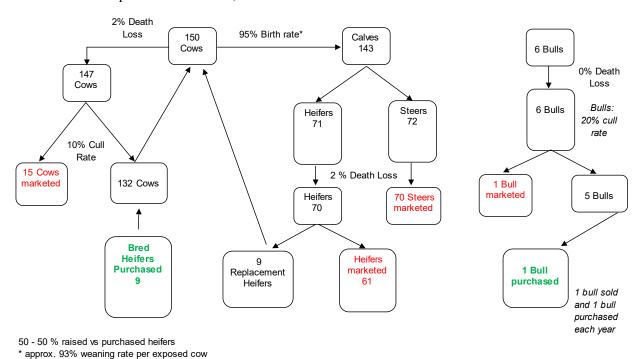


Chart 1: Cow-calf production flowchart, 150 cow herd - South Central Nebraska

150 Head Cow Herd Livestock Budget Worksheet pages attached include:

Budget Input sheets
Bull budget
Replacement budget
Breeding herd cash budget
Pre-conditioned calves' worksheet

Cow-calf System Budget report (summarizes all budget information)



# **Cow Herd System Budget**

### Glennis McClure, Extension Educator /Farm & Ranch Management Analyst

This budgeting workbook is designed for the medium and small sized operator. It includes spreadsheets for analyzing the components of a beef production system separately but provides a combined analysis as well.

This template provides an example of a 150 cow herd budget based in South Central Nebraska. It may be modified for various herd sizes, management practices, and locations.



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# **Budget Inputs**

updated August, 2021

Bre	eding Herd				
	Herd size	It is assumed that herd size remains stationary so	)	150	Cows
	Average Cow Value	replacements will equal cow culls and cow deaths	s. If too	1,400	\$ / head
	Cows Culled per Year	few replacements are purchased, the worksheet		15	Cows
ဟ	Cow Deaths per year	automatically retains heifers.		3	head
Females	Number of Replacements Need	ded		18	
l ĝ	Estimated Weaning Rate			93	percent
	Extra Heifers Retained for Bree	eding that Will Not Be Used as Replacen	nents	0	head
ing	Culled Replacement Heifer We				pounds
Breeding	Culled Replacement Heifer Sel	•			\$ / cwt
Le C	Cost of Marketing Culled Repla	cement Heifers			\$ / head
Ι "	Replacement Females Purchas	sed	(<=18)	9	head
	Replacement Female Cost (if a	ipplicable)		2,000	\$ / head
	Cow Cull Weight			1,300	pounds
	Non-Fed Cull Cow Price			64	\$ / cwt
	Bulls Needed			6	Bull(s)
	Bull Purchase Price			3,000	\$ / head
Bulls	Bull use (years)		(<10)	5	years
Bu	Bull Death Loss Rate			0%	
	Cull Bull Price			85	\$ / cwt
	Cull Bull Weight			1,800	pounds
	Calves Weaned	(<	=140)	140	head/year
alves	Steer Weaning Weight			575	
<u>≈</u>	Heifer Weaning Weight			525	pounds
ပိ	Weaned Steer Price	•	(>=10)	175	\$ / cwt
	Weaned Heifer Price		(>=10)	150	\$ / cwt

Pre	Pre-conditioned Calves						
	Days Fed	60	days				
	Death Loss (0-100)	0	percent				
ſS	Retained after Weaning (<=70)	35	head				
Steel	End Weight	700	pounds				
SI	Market Price (>=10)	155	\$ per cwt				
S	Retained after Weaning (<=61)	35	head				
Heife	End Weight	650	pounds				
He	Market Price (>=10)	140	\$ per cwt				

Stocker					
	Days Fed		days		
	Death Loss (0-100)		percent		
ည	Retained for Grazing (<=35)		head		
Steer	End Weight		pounds		
S	Market Price (>=10)		\$ per cwt		
Ī.	Retained for Grazing (<=35)		head		
Heifers	End Weight		pounds		
운	Market Price (>=10)		\$ per cwt		

Feedlot		
Days Fed		days
Death Loss	(0-100)	percent

ភិ	Placed on Feed	(<=0)	head
(I)	End Weight		pounds
Ste	Market Price	(>=10)	\$ per cwt
เร	Placed on Feed	(<=0)	head
<u>i</u> e	End Weight		pounds
Ŧ	Market Price	(>=10)	\$ per cwt

Fed	Cull Cow		
	Days Fed		days
	Death Loss (0-100)	0	percent
	Placed on Feed (<=15)		head
	End Weight		pounds
	Market Price (>=10)		\$ per cwt

Feed					
			Fed Unit		
	Price per Unit	Priced Unit	(tons, lbs.	Fed Unit per	
Name	Purchased	(tons, lbs. etc)	etc)	Priced Unit	As Fed Price
Creep Feed	300.00	ton	lbs	2000	0.15
Pasture	55.00	1 month	day	30	1.83
Prairie Hay	130.00	ton	lbs	2000	0.07
Alfalfa	190.00	ton	lbs	2000	0.10
DDG Cubes	240.00	ton	lbs	2000	0.12
Salt and Mineral	900.00	ton	ounce	32000	0.03
Silage	50.00	ton	lbs	2000	0.03
Corn	6.40	bu	lbs	56	0.11
Wet Distiller's Grain	100.00	ton	lbs	2000	0.05
Corn Stalks	0.50	day	day	1	0.50

Non-Feed Input Costs				Alloc	ation Percenta	ge
Name	Cost per Year	Is This Cost Per Animal or for All Animals?	Breeding Herd	Pre- Conditioned calves (Optional)	Stocker (Optional)	Feedlot (Optional)
Labor	10.00	per animal				
Fuel / transportation	15.00	per animal				
Veterinary and Medical	30.00	per animal				
Cull Cow Marketing	30.00	per animal	100%	0%	0%	0%
Cull Bull Marketing	30.00	per animal	100%	0%	0%	0%
Cull Replacement Marketing	30.00	per animal	100%	0%	0%	0%
Weaned Calf Marketing	25.00	per animal	100%	0%	0%	0%
Calf Marketing	25.00	per animal	0%	100%	0%	0%
Stocker Marketing	-	per animal	0%	0%	0%	0%
Feedlot Marketing	-	per animal	0%	0%	0%	0%
					_	

**Depreciable Input Costs** 

Allocation Pe

Name	Current Value	Future Value	Future Value Horizon	Annual Repairs	Breeding Herd (Optional)	Weaned Calf Wintering (Optional)
Fencing	25,000	10,000	20	1,000	100%	
Machinery (Livestock)	100,000	25,000	10	2,000	100%	
Vehicles	30,000	10,000	7	1,000	40%	
Barn	30,000	10,000	20	500	100%	

Interest	
Operations Interest Rate	6%
Opportunity Rate	3%

Overhead Costs				Allocati	on Percentaç
	Amount		Breeding Herd (Optional)	Weaned Calf Wintering (Optional)	Stocker (Optional)
Real Estate Value*					
Real Estate Tax		per year			
Annual Insurance Premium	1,500	per year			
Professional Fees	750	per year			
Annual Management Charge		per year			
Other		per year			

Bull Budget (6 Bulls)

Income				Herd Total
Cull Bull Sales	Amount 1.20 head @	<u>Weight</u> \$ 1,800.00 \$	<u><b>Price</b></u> 85.00	<u>Total</u> 1,836
			Gross Income	1,836

Variable Costs						Herd Total
Breeding Costs	Number		<u>Pr</u>	rice_		<u>Total</u>
Bulls	1.20		\$ 3,0	00 p	er head	3,600
	Amount		Per Anim	nal	·	
Bull Feed	per Year		or Tota	<u>1</u>	<u>Price</u>	<u>Total</u>
Prairie Hay	2000	lbs	per anim	nal	@ 0.07 per lbs	780
Pasture	180	day	per anim	nal	@ 1.83 per day	1,980
Salt and Mineral	1460	ounce	per anim	nal	@ 0.03 per ounce	246
Corn Stalks	90	day	per anim	nal	@ 0.50 per day	270
Wet Distiller's Grain	350	lbs	per anim	nal	@ 0.05 per lbs	105
					Total Feed	3,381
Other Variables			<b>Allocation</b>	<u>n</u>		Total
Cull Bull Marketing		30.00	per anima	Ī		36
	Operations in	nterest rate t	imes feed a	and o	ther variable expenses	404
Operations Interest	except mark	eting divided	l by two.		•	101
		_			Total Non-feed	137
					Total Variable Costs	
					Total Vallable 003t3	7,110
	T				N / F	<b>=</b> 000
					Net Expense	5,283

# Replacement Budget

# 9 Head\*

Feed Costs					Herd Total
	Amount		Per Animal		
	per Year		or Total	<u>Price</u>	
Pasture	150	day	per animal	@ 1.83 per day	2,475
Corn Stalks	120	day	per animal	@ 0.50 per day	540
Prairie Hay	2700	lbs	per animal	@ 0.07 per lbs	1,580
Wet Distiller's Grain	800	lbs	per animal	@ 0.05 per lbs	360
salt and mineral	1200	ounce	per animal	@ 0.03 per ounce	304
				<b>Total Feed Costs</b>	5,258

Breeding Herd Cash Budget (150 Cows)

Dieeding Held Cash bu	1				1	D 0 16
Revenue	Neuraleau	Wainlet	Duiss	Herd Total	Per Cow	Per Calf
Weaned Steer Value	<u>Number</u> 70	<u>Weight</u> 575	<u>Price</u> 175.00 per cwt	<u>Total</u> 70,438		
Weaned Heifer Value	61	525	150.00 per cwt	48,038		
Cull Cow Sales	15	1,300	64.00 per cwt	12,480		
Replacements Culled	-	-	per cwt	,		
			·			
			Gross Income	130,955	873.03	999.66
Variable Cash Costs				Herd   otal	Per Cow	Per Calt
Breeding Costs	Number	Price		Total	Total	Total
Bulls	(This amo	ount is the "Net Expe	enses" from the "Bulls" tab)	5,283	35.22	40.33
Replacements Purchased	9	2,000	\$ per head	18,000	120.00	137.40
			Animal Purchases	23,283	155.22	177.73
	Amount	Per Animal			=1	
Cow Feed Pasture	per Year 150 day	or Total per animal	<u><b>Price</b></u> @ 1.83 per day	<u>Total</u> 41,250	<u>Total</u> 275.00	<u>Total</u> 314.89
Salt and Mineral	1400 day	•	@ 0.03 per ounce	5,906	39.38	45.09
Prairie Hay	1800 lbs	per animal	@ 0.03 per lbs	17,550	117.00	133.97
Corn Stalks	120 day	per animal	@ 0.50 per day	9,000	60.00	68.70
DDG Cubes	500 lbs	per animal	@ 0.12 per lbs	9,000	60.00	68.70
		per animal				
Replacement Heifer Feed	(From	Replacement Spi	<i>'</i>	5,258	35.06	40.14
			Total Feed	87,965	586.43	671.48
Other Variable	<u>Amount</u>	<u>Unit</u>	Allocation	<u>Total</u>	<u>Total</u>	Total
Labor		per animal	98%	1,465	9.76	11.18
Fuel / transportation		per animal	98%	2,197	14.65	16.77
Veterinary and Medical		per animal	98%	4,394	29.29	33.54
Cull Cow Marketing		per animal		450	3.00	3.44
Cull Replacement Marketing Weaned Calf Marketing		per animal per animal		1,525	10.17	11.64
Wearied Gair Marketing	20	per ariimai		1,020	10.17	11.04
Operations Interest	Calculations: Ope	erations interest ra	ate times feed and	3,042	20.28	24.93
	other variable exp	penses except ma	arketing divided by two.			
			Total Non-feed	13,072	87.14	101.50
		Tota	al Variable Cash Costs	124,319	828.79	950.71
	1					
Fixed Cash Costs				Herd Total	Per Cow	Per Calf
Fixed Cash Costs Depreciables Input Costs	Repa	airs	Allocation	Herd Total	Per Cow Total	Per Calf Total
Depreciables Input Costs Fencing	<b>Repa</b> 1,000		Allocation 100%	بسمسم		
Depreciables Input Costs Fencing Machinery (Livestock)	1,000 2,000	0 0	100% 100%	<u>Total</u> 1,000 2,000	Total	<u>Total</u> 7.63 15.27
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles	1,000 2,000 1,000	0 0 0	100% 100% 40%	Total 1,000 2,000 400	<u>Total</u> 6.67 13.33 2.67	<u>Total</u> 7.63 15.27 3.05
<b>Depreciables Input Costs</b> Fencing Machinery (Livestock)	1,000 2,000	0 0 0	100% 100%	<u>Total</u> 1,000 2,000	<u>Total</u> 6.67 13.33	<u>Total</u> 7.63 15.27
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles	1,000 2,000 1,000	0 0 0	100% 100% 40%	Total 1,000 2,000 400	<u>Total</u> 6.67 13.33 2.67	<u>Total</u> 7.63 15.27 3.05
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn	1,000 2,000 1,000 500	0000	100% 100% 40% 100% Cash Ownership	Total 1,000 2,000 400 500 3,900	Total 6.67 13.33 2.67 3.33 26.00	Total 7.63 15.27 3.05 3.82 29.77
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management	1,000 2,000 1,000	0000	100% 100% 40% 100%	Total 1,000 2,000 400 500	Total 6.67 13.33 2.67 3.33	Total 7.63 15.27 3.05 3.82
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn	1,000 2,000 1,000 500	0 0 0 <u>unt</u> -	100% 100% 40% 100% Cash Ownership	Total 1,000 2,000 400 500 3,900	Total 6.67 13.33 2.67 3.33 26.00	Total 7.63 15.27 3.05 3.82 29.77
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 <u>unt</u> -	100% 100% 40% 100% Cash Ownership	Total 1,000 2,000 400 500 3,900	Total 6.67 13.33 2.67 3.33 26.00	Total 7.63 15.27 3.05 3.82 29.77
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 <u>unt</u> -	100% 100% 40% 100% Cash Ownership Allocation 98%	Total 1,000 2,000 400 500 3,900  Total 1,465	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76	Total 7.63 15.27 3.05 3.82 29.77  Total
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 <u>unt</u> -	100% 100% 40% 100% Cash Ownership Allocation 98% 98%	Total 1,000 2,000 400 500  3,900  Total 1,465 732	Total 6.67 13.33 2.67 3.33 26.00 Total 9.76 4.88	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732	Total 6.67 13.33 2.67 3.33 26.00 Total 9.76 4.88	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100% Cash Ownership Allocation 98% 98%	Total 1,000 2,000 400 500  3,900  Total 1,465 732	Total 6.67 13.33 2.67 3.33 26.00 Total 9.76 4.88	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732	Total 6.67 13.33 2.67 3.33 26.00 Total 9.76 4.88	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097	Total 6.67 13.33 2.67 3.33 26.00 Total 9.76 4.88	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income	1,000 2,000 1,000 500 <b>Amo</b> l	0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65	Total 7.63 15.27 3.05 3.82 29.77 Total 11.18 5.59 16.77 46.54 997.25
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income	1,000 2,000 1,000 500 <b>Amo</b> l	Oppor-	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98% Total Overhead	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54  997.25 2.40  Per Calf
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing	1,000 2,000 1,000 500   Amol	Oppor- ion tunity 50 750 750	100% 100% 40% 100%  Cash Ownership  Allocation 98% 98%  Total Overhead otal Fixed Cash Costs	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54  997.25 2.40  Per Calf
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing Machinery (Livestock)	1,000 2,000 1,000 500   Amol	Unt	100% 100% 40% 100% Cash Ownership  Allocation 98% 98%  Total Overhead otal Fixed Cash Costs  Allocation 100% 100%	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total 1,500 10,500	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow  Total 10.00 70.00	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54 997.25 2.40  Per Calf  Total 11.45 80.15
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing Machinery (Livestock) Vehicles	1,000 2,000 1,000 500  Amoi  1,5 7	Oppor- ion tunity 50 750 00 3,000 57 900	100% 100% 40% 100% Cash Ownership  Allocation 98% 98%  Total Overhead otal Fixed Cash Costs  Allocation 100% 100% 40%	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total 1,500 10,500 1,503	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow  Total 10.00 70.00 10.02	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54  997.25 2.40  Per Calf  Total 11.45 80.15 11.47
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing Machinery (Livestock)	1,000 2,000 1,000 500   Amol	Oppor- ion tunity 50 750 00 3,000 57 900	100% 100% 40% 100% Cash Ownership  Allocation 98% 98%  Total Overhead otal Fixed Cash Costs  Allocation 100% 100%	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total 1,500 10,500	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow  Total 10.00 70.00	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54 997.25 2.40  Per Calf  Total 11.45 80.15
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn	1,000 2,000 1,000 500 Amor 1,5 7	Oppor- ion tunity 50 750 00 3,000 57 900 00 900	100% 100% 40% 100% Cash Ownership  Allocation 98% 98%  Total Overhead Otal Fixed Cash Costs  Allocation 100% 100% 40% 100%	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total 1,500 10,500 1,503	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow  Total 10.00 70.00 10.02	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54  997.25 2.40  Per Calf  Total 11.45 80.15 11.47
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing Machinery (Livestock) Vehicles	1,000 2,000 1,000 500  Amoi  1,5 7	Oppor- ion tunity 50 750 00 3,000 57 900 00 900	100% 100% 40% 100% Cash Ownership  Allocation 98% 98%  Total Overhead otal Fixed Cash Costs  Allocation 100% 100% 40% 100% 40% 100% Allocation 98%	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total 1,500 10,500 1,503 1,900	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow  Total 10.00 70.00 10.02	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54  997.25 2.40  Per Calf  Total 11.45 80.15 11.47
Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Overhead and Management Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other  Total Cash Costs  Net Cash Income  Non-Cash Costs  Depreciables Input Costs Fencing Machinery (Livestock) Vehicles Barn  Opportunity	1,000 2,000 1,000 500 Amor 1,5 7	Oppor- ion tunity 500 57 900 900 nt	100% 100% 40% 100% Cash Ownership  Allocation 98% 98%  Total Overhead otal Fixed Cash Costs  Allocation 100% 40% 100% 40% 100% Allocation	Total 1,000 2,000 400 500 3,900  Total 1,465 732  2,197 6,097  130,416  539  Herd Total 1,500 10,500 1,503	Total 6.67 13.33 2.67 3.33 26.00  Total 9.76 4.88  14.65 40.65  869.44  3.59  Per Cow  Total 10.00 70.00 10.02	Total 7.63 15.27 3.05 3.82 29.77  Total 11.18 5.59  16.77 46.54  997.25 2.40  Per Calf  Total 11.45 80.15 11.47

	Total Non-Cash Costs	22,323	148.82	170.41
		1	1	
Total Cash and Non-Cash		Herd Total	Per Cow	Per Calf
	Total Costs	152,739	1,018.26	1,167.66
	Total Net Income	(21,784)	(145.23)	(168.00)

60 Days

Revenue				Herd Total	Per Calf Sold
	Number	Weight	<u>Price</u>	Total	Total
Steers	35	700	155 \$ / cwt	37,975	1,085.00
Heifers	35	650	140 \$ / cwt	31,850	910.00
			Gross Revenue	69,825	997.50

Variable Cash Costs						Herd Total	Per Calf Sold
	Number	Weight	Price	-		<u>Total</u>	
Steer Calves Retained	35	575		\$ / cwt		35,219	
Heifer Calves Retained	35	525	150.00	) \$ / cwt		27,563	
				Animals Purc	hased	62,781	896.88
	Amount						
	Fed per		Per Animal				
Feed	Year		or Total	Price		Total	Total
Wet Distiller's Grain	360	lbs	per animal	0.05 \$	lbs	1,260	18.00
Prairie Hay	700	lbs	per animal	0.07 \$	lbs	3,185	45.50
Salt and Mineral	200	ounce	per animal	0.03 \$	ounce	394	5.63
Corn	250	lbs	per animal	0.11 \$	lbs	2,000	28.57
				Tota	l Feed	6,839	97.70
NonFeed		<u>Amount</u>	<u>Basis</u>	Allocation		Total	Total
Labor		10	per animal	2%		17	0.24
Fuel / transportation		15	per animal	2%		25	0.35
Veterinary and Medical		30	per animal	2%		50	0.71
Calf Marketing		25	per animal			1,750	25.00
Operations Interest		Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.					9.38
			•	Total No	n-feed	2,497	35.68
	i e		Total '	Variable Cash	Costs		

Fixed Cash Costs			Herd Total	Per Calf Sold
Depreciables Input Costs Machinery (Livestock)	<u>Repairs</u> 2,000	Allocation	<u>Total</u>	<u>Total</u>
Vehicles Barn	1,000 500	60%	600	8.57
		I Cash Costs on Depreciables	600	
Overhead and Management Real Estate Tax	<u>Amount</u>	Allocation	<u>Total</u>	<u>Total</u>
Annual Insurance Premium Professional Fees Annual Management Charge Other	1,500 750	2% 2%	35 18	
	1	Total Overhead and Ownership	53	0.76
		Total Fixed Cash Costs	653	9.33

Total Cas	sh Costs	72,770	1,039.58
Net Cash	Income	-2,945	(42.08)

Non-Cash Costs				Herd Total	Per Calf Sold
		Oppor-			
Depreciable Assets	<u>Depreciation</u>	tunity	Allocation	Total	Total
Machinery (Livestock)	7,500	3,000			,
Vehicles	2,857	900	60%	2,254	32.20
Barn	1,000	900			
Real Estate		_			
		1	Total Non-Cash Costs	2,254	32.20

Total Cash and Non-Cash		Herd Total	Per Calf Sold
	Total Costs	75,025	1,071.78
	Net Total Income	-5,200	(74.28)

Revenue				<b>Herd Total</b>
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>
Weaned Steers	35	575	175 \$ / cwt	35,219
Weaned Heifers	26	525	150 \$ / cwt	20,475
Pre-conditioned Steers	35	700	155 \$ / cwt	37,975
Pre-conditioned Heifers	35	650	140 \$ / cwt	31,850
Stocker Steers				
Stocker Heifers				
Fed Steers				
Fed Heifers				
Cull Cow Sales	15	1,300	64 \$ / cwt	12,480
Fed Cull Cow Sales				
Cull Bull Sales	1	1,800	85 \$ / cwt	1,836
Cull Replacement Sales				
			Gross Income	139,835

Variable Costs				Herd Total
Animal Purchases	<u>Number</u>	<u>Price</u>		<u>Tota</u>
Replacement Females	9		\$ per head	18,000
Bulls	1.2	3,000	\$ per head	3,600
			Total Animals Purchased	21,600
<u>Feed</u>	Amount		Price	Total
Creep Feed		ton @	300.00 per ton	
Pasture	831.00	1 month @	55.00 per 1 month	45,705
Prairie Hay	177.65	ton @	130.00 per ton	23,095
Alfalfa		ton @	190.00 per ton	
DDG Cubes	37.50	ton @	240.00 per ton	9,000
Salt and Mineral	7.61	ton @	900.00 per ton	6,850
Silage		ton @	50.00 per ton	
Corn	312.50	bu @	6.40 per bu	2,000
Wet Distiller's Grain	17.25	ton @	100.00 per ton	1,725
Corn Stalks	19,620.00	days @	0.50 per day	9,810
			Total Feed	98,185
Other Variable				<u>Total</u>
Labor				1,481
Fuel / transportation				2,222
Veterinary and Medical				4,443
Cull Cow Marketing				450
Cull Bull Marketing				36
Cull Replacement Marketing				1 505
Weaned Calf Marketing Calf Marketing				1,525
Stocker Marketing				1,750
Feedlot Marketing				
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Fixed Cash Costs  Depreciables Input Costs  Fencing  Machinery (Livestock)  Vehicles  Barn	Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.  Total Other  Total Variable Costs  Repairs  1000 2000 1000 500	3,799  15,706 135,491  Herd Total
Overhead and Management Real Estate Tax Insurance Professional Fees Management Other	Total Ownership	4,500 <u>Total</u> 1,500 750
	Total Overhead Total Fixed Cash Costs  Total Cash Costs	2,250 6,750 142,241
	Net Cash Income	(2,406)
Non-Cash Costs  Depreciables Costs Fencing Machinery (Livestock) Vehicles Barn	Depre-ciation         Opportunity           750         750           7,500         3,000           2,857         900           1,000         900	Total 1,500 10,500 3,757 1,900
Opportunity Real Estate Opportunity Livestock	Investment rate times real estate value Investment rate times livestock value  Total Non-Cash Costs	6,920 <b>24,577</b>
Total Cash and Non-Cash	1 Total Costs	Herd Total 166,818
	Net Total Income	(26,984)