Representative Economic Budget for Northeast Nebraska – 50 Head Cow Herd

Updated Dec. 2021

Background

In Northeast Nebraska, owning a small cow herd of 50 cows with four bulls is typical for many farmers in the area. Many own or have access to pasture ground and produce row crops with grains and residue that can be utilized in a small cow-calf operation.

This northeast Nebraska cow calf budget was compiled from discussions and information provided by a roundtable group of producers from the area. This budget should only be used as a guide as it is meant to represent a common cow calf production system for producers in the area. The cow herd enterprise represents approximately 25 percent of the overall farm operation. Corn and soybean crop farming and off farm jobs provide other income for these cow-calf producers.

It is important to note that feed and hay produced on owned ground, along with pasture and stalk rent expenses are considered separate enterprises, therefore in the accompanying budget, feed, hay, pasture, and stalks are included as cash feed expenses, valued at current market value. Individual producers may enter an opportunity cost for their land use for the cow-calf enterprise in lieu of cash rental expenses in their budgets.

Livestock Management Practices

Northeast Nebraska cow-calf producers generally calve in the spring of each year. Calves are sold after being weaned in November or December of their birth year. The weaning rate per exposed cow is figured at 85 percent. The cull rate for cows is typically 15 percent each year, which is one of the highest cull rates in Nebraska due to weather related factors. The typical practice for these operations is to purchase bred heifers to replace culled cows. Bulls are culled every four to five years. *Chart 1: Cow calf production flowchart provides production numbers – page 3.*

For most northeast Nebraska farms of this size, calves are sold soon after weaning in the November and December timeframe at a 500 pound average per head. Producers typically utilize creep feeding for the calves beginning 60 to 80 days prior to weaning.

Cow-calf pairs are typically on pasture for five months from May to September. Current pasture rental rates are \$75 to \$100 per acre. In October and November the herd is fed hay and protein supplement, then they go on corn stalks (crop residue) until late February. If stalks aren't utilized in the fields, stalks are baled. With many feedlots in the area, they utilize the stalk bales as wind breaks in the winter and supplemental feeding in late winter or early spring.

In the March and April timeframe, cows are fed hay again. Feed for the bulls typically mimics that of the cows, however when the cows are on stalks, bulls are on feed and supplement.

Machinery, Equipment and Facilities

Basic equipment owned and utilized for this size cow herd is often an ATV, a pickup, a small horsepower tractor or utilization of a small percentage of a larger tractor, a stock trailer, a portable chute, and fence panels. The value of machinery and equipment allocated to the cow-calf enterprise is shown in the budget. Annual repair expenses for these assets are shown in the budget as fixed cash costs. Depreciation and opportunity costs of ownership are noted in the budget as non-cash costs. Facilities for the cow-calf enterprise would typically include an older wooden barn and corral. Annual repair expenses for fixed assets 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 expense 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.

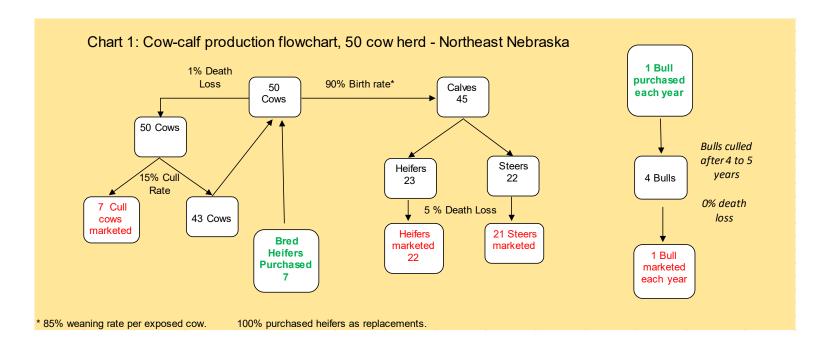
Opportunity interest of 3 percent is figured on the value of investment total in the livestock herd. This is an economic cost reflecting what rate of return could be earned if the herd was sold and the money invested in its most profitable alternative use.

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 is making the assumption 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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50 Head Cow Herd Livestock Budget Worksheet pages attached include:

Budget Input sheets
Bull budget
Replacement budget
Breeding herd cash budget
Cow-calf System Budget report (summarizes all budget information)





Cow Herd System Budget

Glennis McClure, Extension Educator, Farm & Management Analyst

This budgeting workbook is designed to provide analysis of the components of a beef production system. This template provides an example 50 head cow herd based in northeast Nebraska. It may be modified for current values, various herd sizes, management practices, and locations.

Budget template designed by Roger Wilson, retired Farm & Ranch Management Analyst.



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Budget Inputs

Northeast Nebraska Dec. 2021

Bre	eding Herd			
	Herd size	It is assumed that herd size remains stationary so	50	Cows
	Average Cow Value	1,400	\$ / head	
	Cows Culled per Year	few replacements are purchased, the worksheet	7	Cows
v	Cow Deaths per year	automatically retains heifers.	0	head
Females	Number of Replacements Nee	ded	7	
Ĕ	Estimated Weaning Rate		87	percent
	Extra Heifers Retained for Bre	eding that Will Not Be Used as Replacement	s	head
ng	Culled Replacement Heifer We	eight When Sold		pounds
ğ	Culled Replacement Heifer Se	Iling Price		\$ / cwt
Breeding	Cost of Marketing Culled Repl	acement Heifers		\$ / head
m	Replacement Females Purcha	sed (<=	7) 7	head
	Replacement Female Cost (if	applicable)	1,800	\$ / head
	Cow Cull Weight		1,250	pounds
	Non-Fed Cull Cow Price		60	\$ / cwt
	Bulls Needed		4	Bull(s)
	Bull Purchase Price		3,500	\$ / head
Bulls	Bull use (years)	(<1)	0) 4	years
Bu	Bull Death Loss Rate		0%	
	Cull Bull Price		85	\$ / cwt
	Cull Bull Weight		1,700	pounds
	Calves Weaned	(<=4-	.,	head/year
es	Steer Weaning Weight		550	
Calves	Heifer Weaning Weight		500	pounds
ပိ	Weaned Steer Price	(>=1)		\$ / cwt
	Weaned Heifer Price	(>=1) 170	\$ / cwt

Win	tered Calf	
	Days Fed	days
	Death Loss (0-100)	percent
r.	Retained after Weaning (<=22)	head
Steer	End Weight	pounds
ξ	Market Price (>=10)	\$ per cwt
ers	Retained after Weaning (<=22)	head
eifer	End Weight	pounds
Ĭ	Market Price (>=10)	\$ per cwt

Sto	cker	
	Days Fed	days
	Death Loss (0-100)	percent
ភិ	Retained for Grazing (<=0)	head
Steer	End Weight	pounds
St	Market Price (>=10)	\$ per cwt
ers	Retained for Grazing (<=0)	head
Heifers	End Weight	pounds
Ĭ	Market Price (>=10)	\$ per cwt

Fee	dlot	
	Days Fed	days
	Death Loss (0-100)	percent
rs	Placed on Feed (<=0)	head
Steel	End Weight	pounds
	Market Price (>=10)	\$ per cwt
eifers	Placed on Feed (<=0)	head
eif	End Weight	pounds
Ĭ	Market Price (>=10)	\$ per cwt

Fed Cull Co	w		
Days Fed			days
Death Loss		(0-100)	percent
Placed on	eed	(<=7)	head
End Weigh	<u>.</u>		pounds
Market Prid	e	(>=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
Pasture	75.00	month	day	30	2.47
Creep Feed	60.00	per calf	per calf	1	60.00
Protein tubs - mineral supplement	100.00	lbs	lbs	200	0.50
Alfalfa	150.00	ton	lbs	2000	0.08
DDG Cubes	285.00	ton	lbs	2000	0.14
Salt and Mineral	1200.00	ton	ounce	32000	0.04
Grass Hay	120.00	ton	lbs	2000	0.06
Corn	5.25	bu	lbs	56	0.09
Distiller's Grain	150.00	ton	lbs	2000	0.08
Corn Stalks	1.00	day	day	1	1.00

Non-Feed Input Costs	Allocation Percentage						
Name	Cost per Year	Is This Cost Per Animal or for All Animals?	Breeding Herd (Optional)	Wintered Calf (Optional)	Stocker (Optional)	Feedlot (Optional)	Fed Cull Cow (Optional)
Labor	10.00	per animal					
Fuel	20.00	per animal					
Veterinary and Medical	35.00	per animal					
Cull Cow Marketing	35.00	per animal	0%	0%	0%	0%	0%
Cull Bull Marketing	35.00	per animal	0%	0%	0%	0%	0%
Cull Replacement Marketing	30.00	per animal	0%	0%	0%	0%	0%
Weaned Calf Marketing	20.00	per animal	0%	0%	0%	0%	0%
Wintered Calf Marketing	20.00	per animal	0%	0%	0%	0%	0%
Stocker Marketing	-	per animal	0%	0%	0%	0%	0%
Feedlot Marketing	-	per animal	0%	0%	0%	0%	0%

Depreciable Input Costs					Allocation Percentage				
Name	Current Value	Future Value	Time Horizon	Annual Repairs	Breeding Herd (Optional)	Weaned Calf Wintering (Optional)	Stocker (Optional)	Feedlot (Optional)	Fed Cull Cow (Optional)
Buildings /Barn/Fence	40,000	20,000	20	1,000					
General machinery & equipment	25,000	15,000	10	1,000					
Vehicles	7,500	3,000	7	750					
Livestock equipment	7,500	3,000	10	500					

Interest	
Operations Interest Rate	6%
Opportunity Rate	3%

Overhead Costs			Allocation Percentage				
	Amount		Breeding Herd (Optional)	Weaned Calf Wintering (Optional)	Stocker (Optional)	Feedlot (Optional)	Fed Cull Cow (Optional)
Real Estate Value*							
Real Estate Tax	540	per year					
Annual Insurance Premium	1,000	per year					
Professional Fees	750	per year					
Annual Management Charge		per year					
Other	750	per year					

* If cattle are grazed on owned land, either the value of the land and associated taxes or the grazing fees for that land should be included so costs are not double counted. If grazing fees are used to calculate costs when land is owned, only the cost of and taxes on non-grazing real estate should be included as an overhead cost. A calving shed is an example of non-grazing real estate.

Bull Budget (4 Bulls)

Income				Herd Total
Cull Bull Sales	Amount 1.00 head @	<u>Weight</u> \$ 1,700.00 \$	<u>Price</u> 85.00	<u>Total</u> 1,445
			Gross Income	1,445

	-				-
Variable Costs					Herd Total
Breeding Costs	Number		Price	1	Total
Bulls	1.00		\$ 3,500	per head	3,500
	Amount		Per Animal		
Bull Feed	per Year		or Total	<u>Price</u>	Total
Grass Hay	4000	lbs	per animal	@ 0.06 per lbs	960
Pasture	180	day	per animal	@ 2.47 per day	1,775
Salt and Mineral	1200	ounce	per animal	@ 0.04 per ounce	180
Corn Stalks	90	day	per animal	@ 1.00 per day	360
				Total Feed	3,275
Other Variables			<u>Allocation</u>		<u>Total</u>
Cull Bull Marketing		35.00	per animal		35
Operations Interest	Operations in	nterest rate t	imes feed and	d other variable	98
Operations Interest	expenses ex	cept market	ing divided by	two.	90
				Total Non-feed	133
				Total Variable Costs	6,909
				Net Expense	5,464
				Net Expense	3,404

(50 Cows) Breeding Herd Cash Budget

Corn Stalks Protein tubs - mineral supplement Alfalfa 4	22 5 22 7 1,2 2ber P (This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 200 day per anin lbs total	183.00 per cwt 170.00 per cwt 170.00 per cwt 250 60.00 per cwt per cwt Gross Income rice Expenses" from the "Bulls" tab) 800 \$ per head	Herd Iotal	921.86 Per Cow Total 109.27 252.00	1047.57 Per Calf Tota 124.17
Weaned Steer Value Weaned Heifer Value Cull Cow Sales Variable Cash Costs Breeding Costs Bulls Replacements Purchased Amou per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa Salt and Mineral Creep Feed	22 5 22 7 1,2 2ber P (This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 200 day per anin lbs total	183.00 per cwt 170.00 per cwt 170.00 per cwt 250 60.00 per cwt per cwt Gross Income rice Expenses" from the "Bulls" tab) 800 \$ per head	Total 22,143 18,700 5,250 46,093 Herd I otal 5,464 12,600 18,064	921.86 Per Cow Total 109.27	Per Calt
Weaned Steer Value Weaned Heifer Value Cull Cow Sales Variable Cash Costs Breeding Costs Bulls Replacements Purchased Amou per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa Salt and Mineral Creep Feed	22 5 22 7 1,2 2ber P (This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 200 day per anin lbs total	183.00 per cwt 170.00 per cwt 170.00 per cwt 250 60.00 per cwt per cwt Gross Income rice Expenses" from the "Bulls" tab) 800 \$ per head	22,143 18,700 5,250 46,093 Herd I otal 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Weaned Heifer Value Cull Cow Sales Variable Cash Costs Breeding Costs Bulls Replacements Purchased Amou per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa 4 Salt and Mineral 1 Creep Feed	22 5 7 1,2 Steel	170.00 per cwt 250 60.00 per cwt per cwt Gross Income rice Expenses" from the "Bulls" tab) 800 \$ per head	18,700 5,250 46,093 Herd I otal 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Cull Cow Sales Variable Cash Costs Breeding Costs Bulls Replacements Purchased Amou per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa 4 Salt and Mineral 1 Creep Feed	7 1,2 Siber P	continuous per cwt per	5,250 46,093 Herd I otal 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Variable Cash Costs Breeding Costs Bulls Replacements Purchased Amou Cow Feed Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa 4 Salt and Mineral 1 Creep Feed	tiber P (This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	rice Expenses" from the "Bulls" tab) 800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	46,093 Herd Total Total 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Breeding Costs Num Bulls Amou Replacements Purchased Amou Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed 1	(This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	rice Expenses" from the "Bulls" tab),800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	Total 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Breeding Costs Num Bulls Amou Replacements Purchased Amou Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed 1	(This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	rice Expenses" from the "Bulls" tab) 800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	Total 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Breeding Costs Num Bulls Amou Replacements Purchased Amou Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed 1	(This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	rice Expenses" from the "Bulls" tab) 800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	Total 5,464 12,600 18,064	Per Cow Total 109.27	Per Calt
Breeding Costs Num Bulls Amou Replacements Purchased Amou Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed 1	(This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	Expenses" from the "Bulls" tab) 800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	Total 5,464 12,600 18,064	<u>Total</u> 109.27	Tota
Breeding Costs Num Bulls Amou Replacements Purchased per Ye Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed 1	(This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	Expenses" from the "Bulls" tab) 800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	Total 5,464 12,600 18,064	<u>Total</u> 109.27	Tota
Bulls Replacements Purchased Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa 4 Salt and Mineral 1 Creep Feed	(This amount is the "Net 7 1, nt Per Anir or Tota 150 day per anin 90 day per anin 100 lbs total	Expenses" from the "Bulls" tab) 800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	5,464 12,600 18,064	109.27	
Replacements Purchased Amou Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa 4 Salt and Mineral 1 Creep Feed	7 1, nt Per Anir ear or Tota 150 day per anin 90 day per anin 200 lbs total	,800 \$ per head Animal Purchases mal al Price nal @ 2.47 per day	12,600 18,064		124.17
Cow Feed per Ye Pasture Corn Stalks Protein tubs - mineral supplement Alfalfa 4 Salt and Mineral 1 Creep Feed	nt Per Anir ear or Tota 150 day per anin 90 day per anin 200 lbs total	Animal Purchases mal al Price mal @ 2.47 per day	18,064	252.00	000.00
Cow Feed per Ye Pasture	150 day per anin 90 day per anin 200 lbs total	mal <u>al</u> <u>Price</u> nal @ 2.47 per day			286.36
Cow Feed per Ye Pasture	150 day per anin 90 day per anin 200 lbs total	al Price nal @ 2.47 per day	Total	361.27	410.54
Pasture Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed	150 day per anin 90 day per anin 200 lbs total	mal @ 2.47 per day			
Corn Stalks Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed	90 day per anin			<u>Total</u>	<u>Tota</u>
Protein tubs - mineral supplement 1 Alfalfa 4 Salt and Mineral 1 Creep Feed	200 lbs total		18,493	369.86	420.30
Alfalfa 4 Salt and Mineral 1 Creep Feed			4,500	90.00	102.27
Salt and Mineral 1 Creep Feed		@ 0.50 per lbs	600	12.00	13.64
Creep Feed	000 lbs per anin	mal @ 0.08 per lbs	15,000	300.00	340.91
	200 ounce per anin	nal @ 0.04 per ounce	2,250	45.00	51.14
Replacement Heifer Feed	1 per calf per anin	mal @ 60.00 per per calf	3,000	60.00	68.18
	(From Replacemen	t Spreadsheet)			
		Total Feed	43,843	876.86	996.44
		A.I			
Other Variable Amo		<u>Allocation</u>	<u>Total</u>	<u>Total</u>	<u>Tota</u>
Labor	10 per animal	100%	500	10.00	11.36
Fuel	20 per animal	100%	1,000	20.00	22.73
Veterinary and Medical	35 per animal	100%	1,750	35.00	39.77
Cull Cow Marketing	35 per animal		245	4.90	5.57
Cull Replacement Marketing	30 per animal				
Weaned Calf Marketing	20 per animal		880	17.60	20.00
•	lations: Operations intere		1,540	30.81	41.63
otner	variable expenses excep	ot marketing divided by two.			
		Total Non-feed	- ,	118.31	141.06
		Total Variable Cash Costs	67,822	1,356.44	1,548.03
Fixed Cash Costs			Herd Total	Day Cass	Per Calf
	Donoino	Allegation	 	Per Cow	
Depreciables Input Costs	Repairs	Allocation	Total	Total	Tota
Buildings /Barn/Fence	1,000	100%	1,000	20.00	22.73
General machinery & equipment	1,000	100%	1,000	20.00	22.73
Vehicles	750	100%	750	15.00	17.05
Livestock equipment	500	100%	500		
				10.00	11.36
ı		0 1 0 1:			
		Cash Ownership	3,250	65.00	11.36 73.86
Overhead and Management	Amount	·	3,250	65.00	73.86
Overhead and Management Real Estate Tax		<u>Allocation</u>	3,250 <u>Total</u>	65.00 <u>Total</u>	73.86 <u>Tota</u>
Real Estate Tax	540	Allocation 100%	3,250 <u>Total</u> 540	65.00 <u>Total</u> 10.80	73.86 <u>Tota</u> 12.27
Real Estate Tax Annual Insurance Premium	540 1,000	Allocation 100% 100%	3,250 <u>Total</u> 540 1,000	65.00 <u>Total</u> 10.80 20.00	73.86 <u>Tota</u> 12.27 22.73
Real Estate Tax Annual Insurance Premium Professional Fees	540	Allocation 100%	3,250 <u>Total</u> 540	65.00 <u>Total</u> 10.80	73.86 <u>Tota</u> 12.27
Real Estate Tax Annual Insurance Premium Professional Fees	540 1,000	Allocation 100% 100%	3,250 <u>Total</u> 540 1,000	65.00 <u>Total</u> 10.80 20.00	73.86 <u>Tota</u> 12.27 22.73
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	540 1,000 750	Allocation 100% 100% 100%	3,250 Total 540 1,000 750 750	65.00 Total 10.80 20.00 15.00	73.86 <u>Tota</u> 12.27 22.73 17.05
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	540 1,000 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040	65.00 Total 10.80 20.00 15.00 15.00 60.80	73.86 <u>Tota</u> 12.27 22.73 17.05 17.05
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	540 1,000 750	Allocation 100% 100% 100% 100%	3,250 Total 540 1,000 750 750 3,040	65.00 Total 10.80 20.00 15.00	73.86 <u>Tota</u> 12.27 22.73 17.05
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge	540 1,000 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040	65.00 Total 10.80 20.00 15.00 15.00 60.80	73.86 <u>Tota</u> 12.27 22.73 17.05 17.05
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other	540 1,000 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040 6,290	65.00 Total 10.80 20.00 15.00 15.00 60.80 125.80	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs	540 1,000 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040 6,290	65.00 Total 10.80 20.00 15.00 15.00 60.80 125.80	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs	540 1,000 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040 6,290 74,112	65.00 Total 10.80 20.00 15.00 15.00 60.80 1,482.24	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income	540 1,000 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040 6,290	65.00 Total 10.80 20.00 15.00 15.00 60.80 1,482.24	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income	540 1,000 750 - 750	Allocation 100% 100% 100% 100% Total Overhead	3,250 Total 540 1,000 750 750 3,040 6,290 74,112	65.00 Total 10.80 20.00 15.00 15.00 60.80 125.80 1,482.24 (560.38)	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs	540 1,000 750 - 750 Opp	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs	3,250 Total 540 1,000 750 750 3,040 6,290 74,112	65.00 Total 10.80 20.00 15.00 15.00 60.80 125.80 1,482.24 (560.38)	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs	540 1,000 750 - 750 750 Opp	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total	65.00 Total 10.80 20.00 15.00 15.00 60.80 125.80 1,482.24 (560.38)	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs Buildings /Barn/Fence	540 1,000 750 - 750 750 Opple Depreciation 1,000 1,2	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs por- nity Allocation 200 100%	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total Total 2,200	65.00 Total 10.80 20.00 15.00 15.00 60.80 125.80 1,482.24 (560.38) Per Cow Total 44.00	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs Buildings /Barn/Fence General machinery & equipment	540 1,000 750 - 750 750 Opple Depreciation 1,000 1,000 1,000 750	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs por- nity Allocation 200 100% 750 100%	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total 2,200 1,750	65.00 Total 10.80 20.00 15.00 15.00 15.80 1,482.24 (560.38) Per Cow Total 44.00 35.00	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf Tota 50.00 39.77
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs Buildings /Barn/Fence General machinery & equipment Vehicles	540 1,000 750 - 750 750 Opp Depreciation 1,000 1,000 1,000 643	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs por- nity Allocation 200 100% 750 100% 225 100%	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total 2,200 1,750 868	65.00 Total 10.80 20.00 15.00 15.00 15.80 1,482.24 (560.38) Per Cow Total 44.00 35.00 17.36	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf Tota 50.00 39.77 19.72
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs Buildings /Barn/Fence General machinery & equipment Vehicles	540 1,000 750 - 750 750 Opp Depreciation 1,000 1,000 1,000 643	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs por- nity Allocation 200 100% 750 100%	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total 2,200 1,750	65.00 Total 10.80 20.00 15.00 15.00 15.80 1,482.24 (560.38) Per Cow Total 44.00 35.00	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf Tota 50.00 39.77
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs Buildings /Barn/Fence General machinery & equipment Vehicles Livestock equipment Opportunity	540 1,000 750 - 750 750 Opp Depreciation 1,000 1,000 1,000 643	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs por- nity Allocation 200 100% 750 100% 225 100% Allocation	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total 2,200 1,750 868	65.00 Total 10.80 20.00 15.00 15.00 15.80 1,482.24 (560.38) Per Cow Total 44.00 35.00 17.36	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf Tota 50.00 39.77 19.72
Real Estate Tax Annual Insurance Premium Professional Fees Annual Management Charge Other Total Cash Costs Net Cash Income Non-Cash Costs Depreciables Input Costs Buildings /Barn/Fence General machinery & equipment Vehicles Livestock equipment	540 1,000 750 - 750 750 Opp Depreciation 1,000 1,000 643 450 2	Allocation 100% 100% 100% 100% Total Overhead Total Fixed Cash Costs por- nity 200 100% 750 100% 225 100% 225 100%	3,250 Total 540 1,000 750 750 3,040 6,290 74,112 (28,019) Herd Total 2,200 1,750 868	65.00 Total 10.80 20.00 15.00 15.00 15.80 1,482.24 (560.38) Per Cow Total 44.00 35.00 17.36	73.86 Tota 12.27 22.73 17.05 17.05 69.09 142.95 1,690.99 (643.42 Per Calf Tota 50.00 39.77 19.72

	Total Non-Cash Costs	7,890	157.79	179.31
		1		
Total Cash and Non-Cash		Herd Total	Per Cow	Per Calf
	Total Costs	82,002	1,640.03	1,870.30
	Total Net Income	(35,909)	(718.17)	(822.73)

System Budget

Revenue				Herd Total
	Number	<u>Weight</u>	<u>Price</u>	Total
Weaned Steers	22	550	183 \$ / cwt	22,143
Weaned Heifers	22	500	170 \$ / cwt	18,700
Wintered Steers				
Wintered Heifers				
Stocker Steers				
Stocker Heifers				
Fed Steers				
Fed Heifers				
Cull Cow Sales	7	1,250	60 \$ / cwt	5,250
Fed Cull Cow Sales				
Cull Bull Sales	1	1,700	85 \$ / cwt	1,445
Cull Replacement Sales				
			Gross Income	47,538
Variable Costs				Herd Total

Variable Costs				Herd Total
Animal Purchases	<u>Number</u>	Price	2	<u>Total</u>
Replacement Females	7		\$ per head	12,600
Bulls	1.0	3,500	\$ per head	3,500
			Total Animals Purchased	16,100
<u>Feed</u>	<u>Amount</u>		<u>Price</u>	Total
Pasture	270.25	month @	75.00 per month	20,268
Creep Feed	50.00	per calf @	60.00 per per calf	3,000
Protein tubs - mineral supplemen	6.00	lbs @	100.00 per lbs	600
Alfalfa	100.00	ton @	150.00 per ton	15,000
DDG Cubes		ton @	285.00 per ton	
Salt and Mineral	2.03	ton @	1200.00 per ton	2,430
Grass Hay	8.00	ton @	120.00 per ton	960
Corn		bu @	5.25 per bu	
Distiller's Grain		ton @	150.00 per ton	
Corn Stalks	4,860.00	days @	1.00 per day	4,860
			Total Feed	47,118
Other Variable				Total
Labor				500
Fuel				1,000
Veterinary and Medical				1,750
Cull Cow Marketing				245
Cull Bull Marketing				35
Cull Replacement Marketing				
Weaned Calf Marketing				880
Wintered Calf Marketing				
Stocker Marketing				
Feedlot Marketing				

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Operations Interest	Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.	1,639
	Total Other	6,049
	Total Variable Costs	69,267
	'	·
Fixed Cash Costs		Herd Total
Depreciables Input Costs	<u>Repairs</u>	<u>Total</u>
Buildings /Barn/Fence	1000	1,000
General machinery & equipment Vehicles		1,000
Livestock equipment	750 500	750 500
Livestock equipment	300	300
	Total Own and his	2.050
	Total Ownership	3,250
Overhead and Management	l	Total
Real Estate Tax		540
Insurance		1,000
Professional Fees		750
Management Other		750
Cario	Total Overhead	3,040
	Total Fixed Cash Costs	6,290
		•,
	Total Cash Costs	75,557
	Net Cash Income	(28,019)
N		
Non-Cash Costs		Herd Total
Depreciables Costs	Depre- <u>ciation</u> Opportunity	Total
Buildings /Barn/Fence	1,000 1,200	2,200
General machinery & equipment		1,750
Vehicles	643 225	868
Livestock equipment	450 225	675
Opportunity		
Real Estate Opportunity Livestock	Investment rate times real estate value Investment rate times livestock value	2 207
Livestock		2,397
	Total Non-Cash Costs	7,890
Total Cash and Non-Cash		Herd Total
Total Sush und Non-Cash	Total Costs	83,447
	Total costs	00,447
	Net Total Income	(35,909)
	- Hot Potal Income	(00,000)