

Cow Herd System Budget

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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 50 head cow herd budget based in southeast Nebraska and should only be used as a guide. This budget template may be modified for various herd sizes, management practices, and locations. Keep in mind when figuring costs and revenue, prices are negotiable based on what both parties bring to an agreement.

Template design credit to Roger Wilson, retired Farm & Ranch Analyst

Representative Economic Budget for Southeast Nebraska - 50 Head Cow Herd

Updated 10/22

Background

For many southeast Nebraska farms, owning a small cow herd with about 50 cows and two bulls is a typical practice. Many farmers in the area have some pasture ground and row crops that can be utilized in a small cow-calf operation.

This southeast 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. Individual producers should enter their own estimated data to determine a projected budget. Keep in mind when figuring costs and revenue, prices are negotiable based on what both parties bring to an agreement.

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. Seventy-five percent of cattle producers in the area typically utilize their own pasture with the other 25% renting pasture from others. All costs are negotiable based on what both parties bring to an agreement.

Livestock Management Practices

This representative 50 cow herd generally calves in the March /April timeframe. Weaning rate per exposed cow is estimated at 94% or 47 calves split between steers and heifers. The

annual cull rate for cows is 14%, or seven head per year. Replacement heifers are generally purchased (not raised). Bulls are typically replaced every 4 years.

Chart 1: Cow-calf production flowchart provides production numbers.

As with most southeast Nebraska farms of this size, calves are sold in the November to December timeframe, 30 to 60 days after weaning. At weaning, steers average 575-600 pounds while the heifers are slightly smaller weighing 525-550 pounds each. Depending on price and feed cost, creep feeding may be utilized for the calves, 60 to 90 days prior to weaning, and are fed during a 45-day background period before being sold. Backgrounded steers and heifers weigh 675 and 625 pounds respectively, at the time of sale as shown in this budget.

Cow-calf pairs are typically on pasture for 5 months of the year (May thru September) and utilize stalks or crop residue as feed after pasture season until the husk and leaf has been grazed off or blown away. Corn stalks are generally utilized on the producer's own ground, however if rented, prices are negotiable and will vary based on fencing and water availability and other necessities for the cattle.

With distiller's grain plentiful in southeast Nebraska, feeding includes dried distiller's grain, silage and alfalfa or brome hay in the 60-to-90-day period before and during the calving timeframe. Some producers utilize confinement feeding during this period. Feed and hay values may vary depending on cost of hauling. With a small herd, feed and supplement purchases may be higher in price since the producer may not buy bulk quantities to catch larger quantity

price breaks due to the lack of bin space. Salt and mineral are figured at 4 ounces per head per day for the cows in this representative budget.

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. Part of the veterinary expenses should include breeding soundness exams on the bulls each year.

Marketing costs are broken down by each animal category of the herd and allocated accordingly. For example, cull bull marketing of \$40 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.

Machinery, Equipment and Facilities

Basic equipment owned and utilized by this enterprise includes an ATV, ¾ ton pickup, a smaller horsepower tractor, stock trailer, portable chute, fence panels and miscellaneous feeding equipment. The value of the machinery and equipment that pertains to use in the cow-calf operation is shown in this budget. For example, if the ATV is used for other enterprises on the farm, and only 25% for the cow-calf operation, 25% of its current and future value should be entered into the budget program. And if the stock trailer is used 100% of the time

in the livestock enterprise, 100% of its current and future value should be included on the machinery and equipment line. Facilities for the cow-calf enterprise include an older wooden barn and a 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.

Other Depreciation, Interest and Overhead Costs

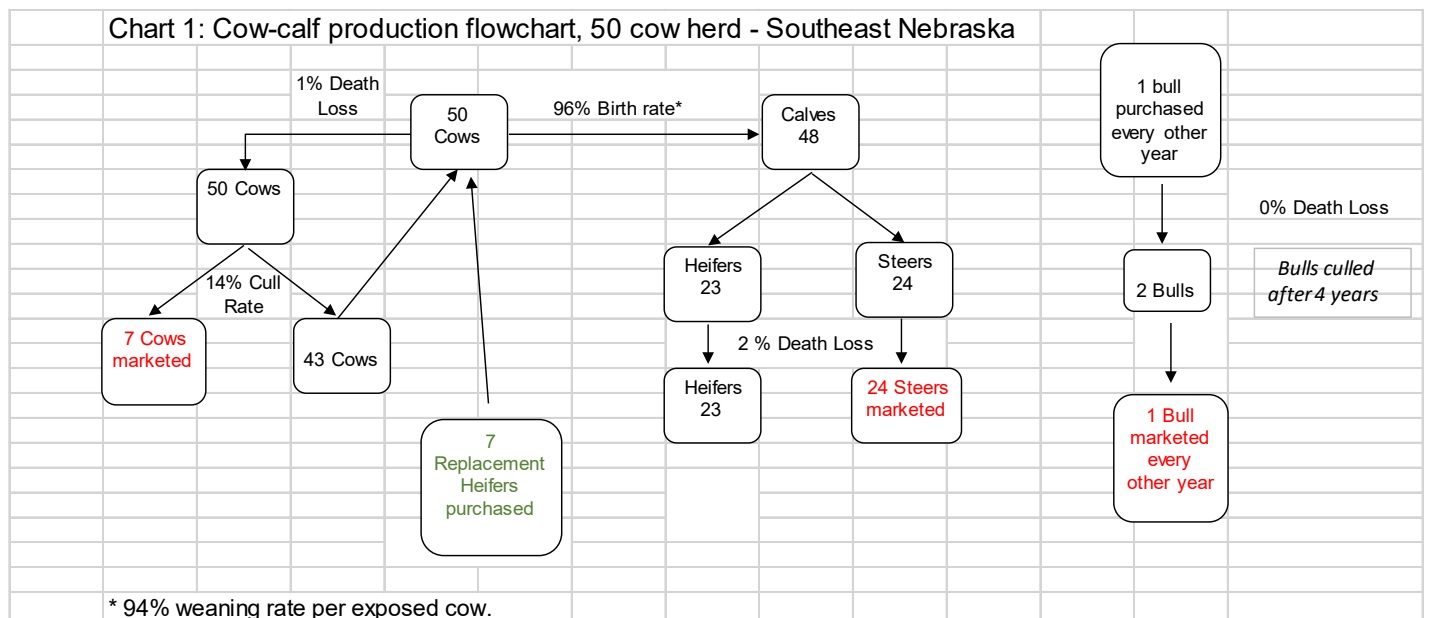
Depreciation for cows and bulls is figured in this budget as the difference of cost of purchased bulls to their sale value when sold. These figures are included in the system budget page. Depreciation expense for tax purposes would be handled differently, in consultation with a tax accountant.

Opportunity interest of 3% 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 entered into the budget include the cow-calf enterprise portion of the farm’s annual insurance premium and professional fees. Real estate value and taxes are left blank in this example because, as stated previously, rental costs for all hay, stalks, and pasture (even if owned) are cash expenses in this budget. 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

Breeding herd cash budget

Wintered calf budgets (shows backgrounding cattle revenue and costs)

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

Budget Inputs

Updated 10/22

Breeding Herd				
Breeding Females	Herd size	It is assumed that herd size remains stationary so replacements will equal cow culls and cow deaths. If too few replacements are purchased, the worksheet automatically retains heifers.	50	Cows
	Average Cow Value		1,600	\$ / head
	Cows Culled per Year		7	Cows
	Cow Deaths per year		0	head
	Number of Replacements Needed		7	
	Estimated Weaning Rate		94	percent
	Extra Heifers Retained for Breeding that Will Not Be Used as Replacement		0	head
	Culled Replacement Heifer Weight When Sold			pounds
	Culled Replacement Heifer Selling Price			\$ / cwt
	Cost of Marketing Culled Replacement Heifers			\$ / head
	Replacement Females Purchased		(≤7) 7	head
	Replacement Female Cost (if applicable)		2,250	\$ / head
	Cow Cull Weight		1,300	pounds
	Non-Fed Cull Cow Price		80	\$ / cwt
Bulls	Bulls Needed		2	Bull(s)
	Bull Purchase Price		3,000	\$ / head
	Bull use (years)	(<10)	4	years
	Bull Death Loss Rate		0%	
	Cull Bull Price		82	\$ / cwt
	Cull Bull Weight		1,700	pounds
Calves	Calves Weaned	(≤48)	46	head/year
	Steer Weaning Weight		600	
	Heifer Weaning Weight		550	pounds
	Weaned Steer Price	(≥10)	207	\$ / cwt
	Weaned Heifer Price	(≥10)	187	\$ / cwt

Backgrounded Calf				
	Days Fed		45	days
	Death Loss	(0-100)	0	percent
Steers	Retained after Weaning	(≤24)	23	head
	End Weight		675	pounds
	Market Price	(≥10)	198	\$ per cwt
Heifers	Retained after Weaning	(≤24)	23	head
	End Weight		625	pounds
	Market Price	(≥10)	175	\$ per cwt

Stocker				
	Days Fed			days
	Death Loss	(0-100)		percent
Steers	Retained for Grazing	(≤23)		head
	End Weight			pounds
	Market Price	(≥10)		\$ per cwt
Heifers	Retained for Grazing	(≤23)		head
	End Weight			pounds
	Market Price	(≥10)		\$ per cwt

Feedlot				
	Days Fed			days
	Death Loss	(0-100)		percent
Steers	Placed on Feed	(≤0)		head
	End Weight			pounds
	Market Price	(≥10)		\$ per cwt

Heifers	Placed on Feed	(≤0)		head
	End Weight			pounds
	Market Price	(≥10)		\$ per cwt

Fed Cull Cow				
	Days Fed			days
	Death Loss	(0-100)	0	percent
	Placed on Feed	(≤7)		head
	End Weight			pounds
	Market Price	(≥10)		\$ per cwt

Feed					
Name	Price per Unit Purchased	Priced Unit (tons, lbs. etc)	Fed Unit (tons, lbs. etc)	Fed Unit per Priced Unit	As Fed Price
Pasture	275.00	5 months	day	150	1.83
Grass Hay	125.00	ton	lbs	2000	0.06
Alfalfa	150.00	ton	lbs	2000	0.08
Dried Distillers Grain	225.00	ton	lbs	2000	0.11
Salt and Mineral	1450.00	ton	ounce	32000	0.05
Silage	48.00	ton	lbs	2000	0.02
Corn	7.25	bu	lbs	56	0.13
Corn Stalks	0.40	day	day	1	0.40
Mineral balancer	540.00	ton	lbs	2000	0.27

Non-Feed Input Costs			Allocation Percentage			
Name	Cost per Year	Is This Cost Per Animal or for All Animals?	Breeding Herd	Backgrounded Calf (Optional)	Stocker (Optional)	Feedlot (Optional)
Labor	20.00	per animal				
Fuel	30.00	per animal				
Veterinary and Medical	35.00	per animal				
Cull Cow Marketing	40.00	per animal	100%	0%	0%	0%
Cull Bull Marketing	40.00	per animal	100%	0%	0%	0%
Cull Replacement Marketing	40.00	per animal	100%	0%	0%	0%
Weaned Calf Marketing	30.00	per animal	100%	0%	0%	0%
Backgrounded Calf Marketing	30.00	per animal	100%	0%	0%	0%
Stocker Marketing	-	per animal	0%	0%	0%	0%
Feedlot Marketing	-	per animal	0%	0%	0%	0%

Depreciable Input Costs					Allocation Perc	
Name	Current Value	Future Value	Future Value Horizon	Annual Repairs	Breeding Herd (Optional)	Backgrounded Calf (Optional)
Buildings /Barn	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 100%	7,500	3,000	10	500		

Interest	
Operations Interest Rate	6%
Opportunity Rate	3%

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

Bull Budget (2 Bulls)

Income				Herd Total
	<u>Amount</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>
Cull Bull Sales	0.50 head @	\$ 1,700.00	\$ 82.00	697
	Gross Income			697

Variable Costs			Herd Total	
<u>Breeding Costs</u>	<u>Number</u>	<u>Price</u>	<u>Total</u>	
Bulls	0.50	\$ 3,000 per head	1,500	
<u>Bull Feed</u>	<u>Amount per Year</u>	<u>Per Animal or Total</u>	<u>Price</u>	<u>Total</u>
Grass Hay	7522 lbs	per animal	@ 0.06 per lbs	940
Pasture	180 day	per animal	@ 1.83 per day	660
Salt and Mineral	1460 ounce	per animal	@ 0.05 per ounce	132

			Net Expense	2,608
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Replacement Budget

0 Head*

Feed Costs				Herd Total
	Amount per Year		Per Animal or Total	Price
Pasture	150	day	per animal	@ 1.83 per day
Corn Stalks	120	day	per animal	@ 0.40 per day
Grass Hay	1000	lbs	per animal	@ 0.06 per lbs
Alfalfa	1000	lbs	per animal	@ 0.08 per lbs
salt and mineral	1460	ounce	per animal	@ 0.05 per ounce
Dried Distillers Grain	300	lbs	per animal	@ 0.11 per lbs
Total Feed Costs				0

Breeding Herd Cash Budget (50 Cows)

Revenue				Herd Total	Per Cow	Per Calf
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>		
Weaned Steer Value	23	600	207.00 per cwt	28,566		
Weaned Heifer Value	23	550	187.00 per cwt	23,656		
Cull Cow Sales	7	1,300	80.00 per cwt	7,280		
Replacements Culled	-	-	per cwt			
				Gross Income	59,502	1190.0
						1293.51

Variable Cash Costs				Herd Total	Per Cow	Per Calf
Breeding Costs	<u>Number</u>	<u>Price</u>		<u>Total</u>	<u>Total</u>	<u>Total</u>
Bulls	(This amount is the "Net Expenses" from the "Bulls" tab)			2,608	52.15	56.69
Replacements Purchased	7	2,250 \$ per head		15,750	315.00	342.39
		Animal Purchases		18,358	367.15	399.08
Cow Feed	<u>Amount per Year</u>	<u>Per Animal or Total</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>
Pasture	150 day	per animal	@ 1.83 per day	13,750	275.00	298.91
Salt and Mineral	1460 ounce	per animal	@ 0.05 per ounce	3,308	66.16	71.91
Grass Hay	2830 lbs	per animal	@ 0.06 per lbs	8,844	176.88	192.26
Corn Stalks	90 day	per animal	@ 0.40 per day	1,800	36.00	39.13
Dried Distillers Grain	500 lbs	per animal	@ 0.11 per lbs	2,813	56.25	61.14
Replacement Heifer Feed	(From Replacement Spreadsheet)					
		Total Feed		30,514	610.28	663.35
Other Variable	<u>Amount</u>	<u>Unit</u>	<u>Allocation</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>
Labor	20	per animal	97%	968	19.36	21.04
Fuel	30	per animal	97%	1,452	29.04	31.57
Veterinary and Medical	35	per animal	97%	1,694	33.88	36.83
Cull Cow Marketing	40	per animal		280	5.60	6.09
Cull Replacement Marketing	40	per animal				
Weaned Calf Marketing	30	per animal		60	1.20	1.30
Operations Interest			Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.	1,162	23.25	29.80
		Total Non-feed		5,616	112.33	126.63
		Total Variable Cash Costs		54,488	1,089.76	1,189.05

Fixed Cash Costs				Herd Total	Per Cow	Per Calf
Depreciables Input Costs	<u>Repairs</u>	<u>Allocation</u>		<u>Total</u>	<u>Total</u>	<u>Total</u>
Buildings /Barn	1,000	97%		968	19.36	21.04
General machinery /equipment	1,000	97%		968	19.36	21.04
Vehicles	750	97%		726	14.52	15.78
Livestock equipment 100%	500	97%		484	9.68	10.52
		Cash Ownership		3,146	62.92	68.39
Overhead and Management	<u>Amount</u>	<u>Allocation</u>		<u>Total</u>	<u>Total</u>	<u>Total</u>
Real Estate Tax	-					
Annual Insurance Premium	1,000	97%		968	19.36	21.04
Professional Fees	750	97%		726	14.52	15.78
Annual Management Charge	-					
Other	-					
		Total Overhead		1,694	33.88	36.83
		Total Fixed Cash Costs		4,840	96.80	105.22

Total Cash Costs	59,328	1,186.56	1,294.27
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Net Cash Income	174	3.47	(0.76)
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Non-Cash Costs				Herd Total	Per Cow	Per Calf
Depreciables Input Costs	<u>Depreciation</u>	<u>Oppor-tunity</u>	<u>Allocation</u>	<u>Total</u>	<u>Total</u>	<u>Total</u>
Buildings /Barn	1,000	1,200	97%	2,130	42.59	46.30
General machinery /equipment	1,000	750	97%	1,694	33.88	36.83
Vehicles	643	225	97%	840	16.80	18.26
Livestock equipment 100%	450	225	97%	653	13.07	14.20
Opportunity	<u>Amount</u>	<u>Allocation</u>				
Real Estate		97%				
Livestock	2,532	100%		2,532	50.64	55.04
		Total Non-Cash Costs		7,849	156.98	170.63

Total Cash and Non-Cash				Herd Total	Per Cow	Per Calf
		Total Costs		67,177	1,343.54	1,464.90

	Total Net Income	(7,675)	(153.51)	(171.39)
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Calf Budget - Backgrounded

45 Days

Revenue				Herd Total	Per Calf Sold
	Number	Weight	Price	Total	Total
Steers	23	675	198 \$ / cwt	30,740	1,336.50
Heifers	23	625	175 \$ / cwt	25,156	1,093.75
Gross Revenue				55,896	1,215.13

Variable Cash Costs				Herd Total	Per Calf Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	
Steer Calves Retained	23	600	207.00 \$ / cwt	28,566	
Heifer Calves Retained	23	550	187.00 \$ / cwt	23,656	
Animals Purchased				52,222	1,135.25
	<u>Amount Fed per Year</u>		<u>Per Animal or Total</u>	<u>Price</u>	<u>Total</u>
Feed					<u>Total</u>
Dried Distillers Grain	275 lbs		per animal	0.11 \$ lbs	1,423
Mineral balancer	30 lbs		per animal	0.27 \$ lbs	373
Grass Hay	650 lbs		per animal	0.06 \$ lbs	1,869
			per animal		40.63
Total Feed				3,664	79.66
<u>NonFeed</u>	<u>Amount</u>	<u>Basis</u>	<u>Allocation</u>	<u>Total</u>	<u>Total</u>
Labor	20	per animal	3%	29	0.64
Fuel	30	per animal	3%	44	0.96
Veterinary and Medical	35	per animal	3%	52	1.12
Backgrounded Calf Marketing	30	per animal		1,380	30.00
Operations Interest	Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.			401	8.71
Total Non-feed				1,906	41.43
Total Variable Cash Costs				57,792	1,256.34

Fixed Cash Costs				Herd Total	Per Calf Sold
Depreciables Input Costs	Repairs	Allocation		Total	Total
General machinery /equipment	1,000	3%		32	0.70
Vehicles	750	3%		24	0.52
Livestock equipment 100%	500	3%		16	0.35
Total Cash Costs on Depreciables				72	1.57
Overhead and Management	Amount	Allocation		Total	Total
Real Estate Tax					
Annual Insurance Premium	1,000	3%		32	0.70
Professional Fees	750	3%		24	0.52
Annual Management Charge					
Other					
Total Overhead and Ownership				56	1.22
Total Fixed Cash Costs				128	2.78

Total Cash Costs				57,920	1,259.12
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Net Cash Income				-2,024	(44.00)
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Non-Cash Costs				Herd Total	Per Calf Sold
Depreciable Assets	Depreciation	Oppor-tunity	Allocation	Total	Total
General machinery /equipment	1,000	750	3%	56	1.22
Vehicles	643	225	3%	28	0.60
Livestock equipment 100%	450	225	3%	22	0.47
Real Estate		-			
Total Non-Cash Costs				105	2.29

Total Cash and Non-Cash		Herd Total	Per Calf Sold
	Total Costs	58,025	1,261.41
	Net Total Income	-2,129	(46.29)

Stockers

Days

Revenue				Herd Total	Per Calf Sold
	Number	Weight	Price	Total	Total
Steers			\$ / cwt		
Heifers			\$ / cwt		
Gross Revenue					

Variable Cash Costs				Herd Total	Per Calf Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	
Steer Calves Retained	675		198.00 \$ / cwt		
Heifer Calves Retained	625		175.00 \$ / cwt		
Animals Purchased					
	<u>Amount Fed per Year</u>	<u>Per Animal or Total</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Feed		per animal			
		per animal			
Total Feed					
<u>NonFeed</u>	<u>Amount</u>	<u>Basis</u>	<u>Allocation</u>	<u>Total</u>	<u>Total</u>
Labor	20	per animal			
Fuel	30	per animal			
Veterinary and Medical	35	per animal			
Stocker Marketing	-	per animal			
Operations Interest	Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.				
Total Non-feed					
Total Variable Cash Costs					

Fixed Cash Costs				Herd Total	Per Calf Sold
Depreciables Input Costs	Repairs	Allocation		Total	Total
General machinery /equipment	1,000				
Vehicles	750				
Livestock equipment 100%	500				
Total Cash Costs on Depreciables					
Overhead and Management	Amount	Allocation		Total	Total
Real Estate Tax	-				
Annual Insurance Premium	1,000				
Professional Fees	750				
Annual Management Charge	-				
Other	-				
Total Overhead and Ownership					
Total Fixed Cash Costs					

Total Cash Costs					
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Net Cash Income					
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Non-Cash Costs				Herd Total	Per Calf Sold
Depreciable Assets	Depreciation	Oppor-tunity	Allocation	Total	Total
General machinery /equipment	1,000	750			
Vehicles	643	225			
Livestock equipment 100%	450	225			
Real Estate					
Total Non-Cash Costs					

Total Cash and Non-Cash				Herd Total	Per Calf Sold
Total Costs					
Net Total Income					

Feedlot

Days

Revenue				Herd Total	Per Calf Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Steers			\$ / cwt		
Heifers			\$ / cwt		
Gross Revenue					

Variable Cash Costs				Herd Total	Per Calf Sold
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>	
Steer Calves Retained			\$ / cwt		
Heifer Calves Retained			\$ / cwt		
Animals Purchased					
	<u>Amount Fed per Year</u>	<u>Per Animal or Total</u>	<u>Price</u>	<u>Total</u>	<u>Total</u>
Feed		per animal			
		per animal			
		per animal			
		per animal			
Total Feed					
<u>NonFeed</u>	<u>Amount</u>	<u>Basis</u>	<u>Allocation</u>	<u>Total</u>	<u>Total</u>
Labor	20	per animal			
Fuel	30	per animal			
Veterinary and Medical	35	per animal			
Feedlot Marketing		per animal			
Operations Interest	Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.				
Total Non-feed					
Total Variable Cash Costs					

Fixed Cash Costs				Herd Total	Per Calf Sold
<u>Depreciables Input Costs</u>	<u>Repairs</u>	<u>Allocation</u>		<u>Total</u>	<u>Total</u>
General machinery /equipment	1,000				
Vehicles	750				
Livestock equipment 100%	500				
Total Cash Costs on Depreciables					
<u>Overhead and Management</u>	<u>Amount</u>	<u>Allocation</u>		<u>Total</u>	<u>Total</u>
Real Estate Tax	-				
Annual Insurance Premium	1,000				
Professional Fees	750				
Annual Management Charge	-				
Other	-				
Total Overhead and Ownership					
Total Fixed Cash Costs					

Total Cash Costs					
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Net Cash Income					
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Non-Cash Costs				Herd Total	Per Calf Sold
<u>Depreciable Assets</u>	<u>Depreciation</u>	<u>Oppor-tunity</u>	<u>Allocation</u>	<u>Total</u>	<u>Total</u>
General machinery /equipment	1,000	750			
Vehicles	643	225			
Livestock equipment 100%	450	225			
Real Estate					
Total Non-Cash Costs					

Total Cash and Non-Cash				Herd Total	Per Calf Sold
Total Costs					
Net Total Income					

Fed Cull Cow

Days

Revenue				Herd Total
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>
Cull Cows Sold			\$ / cwt	
Gross Revenue				

Variable Cash Costs				Herd Total
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>
Cull Cows Retained		1,300	80.00 \$ / cwt	
			Animals Purchased	
Feed	Amount Fed per Year	Per Animal or Total	<u>Price</u>	<u>Total</u>
		per animal		
		per animal		
			Total Feed	
<u>NonFeed</u>	<u>Amount</u>	<u>Basis</u>	<u>Allocation</u>	<u>Total</u>
Labor	20	per animal		
Fuel	30	per animal		
Veterinary and Medical	35	per animal		
Cull Cow Marketing	40	per animal		
Operations Interest	Calculations: Operations interest rate times feed and other			
			Total Non-feed	
	Total Variable Cash Costs			

Fixed Cash Costs			Herd Total
<u>Depreciables Input Costs</u>	<u>Repairs</u>	<u>Allocation</u>	<u>Total</u>
General machinery /equipment	1,000		
Vehicles	750		
Livestock equipment 100%	500		
Total Cash Costs on Depreciables			
<u>Overhead and Management</u>	<u>Amount</u>	<u>Allocation</u>	<u>Total</u>
Real Estate Tax			
Annual Insurance Premium	1,000		

Professional Fees	750	
Annual Management Charge		
Other		
	Total Overhead and Ownership	
	Total Fixed Cash Costs	

	Total Cash Costs	
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	Net Cash Income	
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Non-Cash Costs				Herd Total
<u>Depreciable Assets</u>	<u>Depreciation</u>	<u>Oppor- tunity</u>	<u>Allocation</u>	<u>Total</u>
General machinery /equipment	1,000	750		
Vehicles	643	225		
Livestock equipment 100%	450	225		
Real Estate				
	Total Non-Cash Costs			

Total Cash and Non-Cash	Herd Total
	Total Costs
	Net Total Income

System Budget

Revenue				Herd Total
	<u>Number</u>	<u>Weight</u>	<u>Price</u>	<u>Total</u>
Weaned Steers				
Weaned Heifers				
Backgrounded Steers	23	675	198 \$ / cwt	30,740
Backgrounded Heifers	23	625	175 \$ / cwt	25,156
Stocker Steers				
Stocker Heifers				
Fed Steers				
Fed Heifers				
Cull Cow Sales	7	1,300	80 \$ / cwt	7,280
Fed Cull Cow Sales				
Cull Bull Sales	1	1,700	82 \$ / cwt	697
Cull Replacement Sales				
Gross Income				63,873
Variable Costs				Herd Total
<u>Animal Purchases</u>	<u>Number</u>	<u>Price</u>		<u>Total</u>
Replacement Females	7	2,250	\$ per head	15,750
Bulls	0.5	3,000	\$ per head	1,500
Total Animals Purchased				17,250
<u>Feed</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>
Pasture	52.40	5 months @	275.00 per 5 months	14,410
Grass Hay	93.22	ton @	125.00 per ton	11,653
Alfalfa		ton @	150.00 per ton	
Dried Distillers Grain	18.83	ton @	225.00 per ton	4,236
Salt and Mineral	2.37	ton @	1450.00 per ton	3,440
Silage		ton @	48.00 per ton	
Corn		bu @	7.25 per bu	
Corn Stalks	4,500.00	day @	0.40 per day	1,800
Mineral balancer	0.69	tons @	540.00 per ton	373
Total Feed				35,911
<u>Other Variable</u>				<u>Total</u>
Labor				997
Fuel				1,496
Veterinary and Medical				1,746
Cull Cow Marketing				280
Cull Bull Marketing				20
Cull Replacement Marketing				
Weaned Calf Marketing				60
Backgrounded Calf Marketing				1,380
Stocker Marketing				
Feedlot Marketing				

Operations Interest	Calculations: Operations interest rate times feed and other variable expenses except marketing divided by two.	1,615
	Total Other	7,594
	Total Variable Costs	60,755
Fixed Cash Costs		Herd Total
<u>Depreciables Input Costs</u>	<u>Repairs</u>	<u>Total</u>
Buildings /Barn	1000	1,000
General machinery /equipment	1000	1,000
Vehicles	750	750
Livestock equipment 100%	500	500
	Total Ownership	3,250
<u>Overhead and Management</u>		<u>Total</u>
Real Estate Tax		
Insurance		1,000
Professional Fees		750
Management		
Other		
	Total Overhead	1,750
	Total Fixed Cash Costs	5,000
	Total Cash Costs	65,755
	Net Cash Income	(1,882)
Non-Cash Costs		Herd Total
<u>Depreciables Costs</u>	<u>Depre-ciation</u> <u>Opportunity</u>	<u>Total</u>
Buildings /Barn	1,000 1,200	2,200
General machinery /equipment	1,000 750	1,750
Vehicles	643 225	868
Livestock equipment 100%	450 225	675
<u>Opportunity</u>		
Real Estate Opportunity	Investment rate times real estate value	
Livestock	Investment rate times livestock value	2,532
	Total Non-Cash Costs	8,025
Total Cash and Non-Cash		Herd Total
	Total Costs	73,780
	Net Total Income	(9,907)