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EC95-818-S Nebraska Livestock Budgets 1995

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NEBRASKA

LIVESTOCK BUDGETS

1995

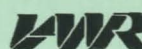
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LIVESTOCK BUDGETS, NEBRASKA -- 1995

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Livestock Budgeting Procedure

The cost data presented in the livestock budgets are based on reviews of farm record summaries, interaction with producers in workshops, consultation with producers, consultation with specialists in other disciplines and on the specialists' judgement and experience.

The input costs used for cash operating expenses were prepared at the beginning of 1995. These costs, particularly feed and feeder livestock, change rapidly. To accommodate these fluctuating prices, these budgets are presented in enough detail so that the user may adjust individual cost items to fit the current situation. Overhead and management charges are included so that the total production cost will reflect a charge for all inputs used in the production process.

Prices Used for 1995 Livestock Budgets (March, 1995)

Feed

Soybean meal, 44% bulk	\$180 per ton
All natural, 32% protein	\$215 per ton
Corn, crop area	\$2.30 per bu
Corn, ranch area	\$2.40 per bu
Alfalfa Hay (general use)	\$60 per ton
Alfalfa Hay (dairy)	\$85 per ton
Prairie hay	\$50 per ton
Corn silage	\$20 per ton
Salt and mineral	
Sheep	\$520 per ton
Beef	\$240 per ton
Dairy	\$354 per ton
Hogs	\$375 per ton
Feeder pigs	\$345 per ton

Grazing

Summer:	Sheep	\$15 /AUM
	Cattle	\$20 /AUM
Winter:	Crop residue	\$.25 /cow/day
	Ranch	\$14.50 /AUM

Interest

Feed and other operating costs	10% per year
Breeding stock and facilities	7% per year (real rate)

Labor

Dairy, Swine	\$7.50 /hour
Sheep, Beef	\$6.00 /hour

EXPLANATION OF DAIRY PRODUCTION BUDGETS, 1995

1. A 70 cow herd is the base unit with per cow replacements consisting of .39 of a dairy heifer and .39 of a replacement calf. Livestock investment per cow and replacements are represented at \$1,600 for 16,000, \$1,900 for 19,000, and \$2,100 for 21,000 pounds of annual milk production.
2. Concentrate costs for cows are based on computerized least cost rations with corn priced at \$2.30 per bu. and vitamin & mineral mix at \$354 per ton. Alfalfa hay was priced at \$85 per ton and was assumed to be 18% crude protein, 31% ADF, and 42% NDF. With this quality hay, soybean meal was required only for the high production level, being priced at \$180 per ton.
3. Milk hauling is estimated to be 100 miles of travel at a projected rate of \$.65 per cwt.
4. Interest on feed and operating expenses are calculated at 10% for one-half year.
5. Various levels of insurance coverage can be purchased, but the budget uses a rate of \$3.60 per \$1,000 coverage under a \$50.00 deductible. This is common on a blanket farm policy. The total investment of livestock is insured.
6. Facility, machinery, and equipment investment represents a book or undepreciated (remaining, not replacement) value of \$900 per cow with annual ownership costs budgeted at 4% of investment to cover depreciation and taxes and 7% of average investment to cover inflation adjusted (real) interest costs.
7. A management charge is based on gross receipts where the projected 1995 average price of Grade A milk is \$12.00 per cwt for 3.5% B.F. It is assumed the producer receives a \$.15 per cwt premium for protein and a \$.10 per cwt premium for SCC.
8. No credit was given for manure. Fifteen dollars per cow for manure would be a reasonable value if used.
9. The National Milk Promotion deduction of \$.15 per cwt (\$.10 Dairy Research Council, \$.05 National Dairy Board) is permanent. Budget Reconciliation Deduction of \$.1125 per cwt will be reimbursed if herd production in 1995 does not exceed 1994 production.
10. Other conditions involved but not listed are:

The withholding of 1% of sales for Capital Retains, an 8-year revolving fund with no interest paid.

Producer coop dividends of profits, 20% paid, 80% withheld for 8-year revolving pay out.

Milk quality incentives:

Differential for B.F., \$.065 per cwt per 0.1% increase or decrease from 3.5% B.F.

Differential for protein is \$.15 per 0.1% increase over 3.15% protein provided somatic cell count is less than 400,000. Bonuses for somatic cell count are prorated when the SCC is between 60,000 and 400,000. The bonus for less than 60,000 is \$.60 per cwt. Between 400,000 and 550,000, there are no bonuses or deductions. Over 550,000, there are deductions.

**D1 BUDGETED COSTS OF MAINTAINING DAIRY HERDS
PER COW, EASTERN NEBRASKA, 1995**

Costs	Milk Production Level					
	16,000 lbs/cow		19,000 lbs/cow		22,000 lbs/cow	
	Quantity	Dollars	Quantity	Dollars	Quantity	Dollars
Feed Costs						
Feed Concentrate						
-Cow	5,665 lbs	\$250.07	6,191 lbs	\$277.65	19,780 lbs	\$462.80
-Heifer	400 lbs	\$19.34	400 lbs	\$19.34	400 lbs	\$19.34
Hay Equivalent						
-Cow	5.34 ton	\$453.90	5.66 ton	\$481.10	4.87 ton	\$413.95
-Heifer	1.30 ton	\$110.50	1.30 ton	\$110.50	1.30 ton	\$110.50
Total Feed Cost		\$833.81		\$888.59		\$1,006.59
Other Cash Costs						
Bedding		\$25.00		\$25.00		\$25.00
Milk Hauling		\$104.00		\$123.50		\$143.00
Breeding Fees		\$20.00		\$22.50		\$25.00
Repair, Fuel & Oil -		\$65.00		\$65.00		\$65.00
Tractor & Machinery						
DHIA Fee & Other Records		\$18.00		\$18.00		\$18.00
Veterinary & Medicine		\$50.00		\$55.00		\$60.00
Utilities		\$64.00		\$72.00		\$80.00
Supplies		\$50.00		\$50.00		\$50.00
Repairs - Building & Equipment		\$15.00		\$15.00		\$15.00
Insurance on Cattle		\$5.76		\$6.84		\$7.92
Interest - Feed & Operating Expense		\$62.53		\$67.07		\$74.78
10% for 0.5 yr						
National Milk Promotion		\$24.00		\$28.50		\$33.00
Reconciliation Deduction		\$18.00		\$21.38		\$24.75
Total Other Cash Costs		\$521.29		\$569.79		\$621.45
Total Labor Costs	60 hrs @ \$7.50	\$450.00		\$450.00		\$450.00
Total Operating Costs		\$1,805.10		\$1,908.38		\$2,078.04
Ownership Costs						
Interest on Cattle 7 %		\$112.00		\$154.00		\$133.00
Facilities&Equipment Ownership Cost@ 7.5%		\$67.50		\$67.50		\$67.50
Total Ownership Costs		\$179.50		\$221.50		\$200.50
Overhead and Management						
Overhead 5 % of Non-feed Cost		\$26.06		\$28.49		\$31.07
Management,4% of Gross Receipts		\$89.86		\$104.56		\$119.26
Total Overhead and Management		\$115.92		\$133.04		\$150.33
Total All Costs		\$2,100.52		\$2,262.92		\$2,428.86
Credits						
0.3 Cull Cows@ 1350lbs	42 \$/cwt	\$170.10		\$170.10		\$170.10
0.17 Cull Heifers@ 900 lbs	60 \$/cwt	\$91.80		\$91.80		\$91.80
0.53 Day-Old Calves	125 \$/calf	\$66.25		\$66.25		\$66.25
Less Cow Death Loss,3%		(\$41.76)		(\$41.76)		(\$41.76)
Total Credits		\$286.39		\$286.39		\$286.39
Net Cost of Producing Milk						
Total Per Cow		\$1,814.13		\$1,976.53		\$2,142.47
Total Cost Per Cwt		\$11.34		\$10.40		\$9.74
Net Cost Per Cwt. Excluding Labor, Overhead, and Management		\$7.80		\$7.33		\$7.01

EXPLANATION OF HOG PRODUCTION BUDGETS, 1995

These budgets reflect the production costs for swine enterprises on family farms in Nebraska. The operating costs reflect the average of costs experienced by producers in the Nebraska Swine Enterprise Records and Analysis program. Because these production cost budgets are often used by persons who are starting up or expanding a swine enterprise, the building and equipment ownership costs are budgeted based on building investment costs described in item 2 below. The ownership costs budgeted are, therefore, higher than the average of producers in the swine records program, but more nearly reflect the costs of producers with newer facilities.

1. Feed costs reflect average feed requirements per 100 pounds of hog produced as follows:

	<u>lbs feed/100 lbs pork</u>
Sow & Two Litters to 240 Lb. (farrow to finish)	380
Sow & Two Litters to 50 Lb. (feeder pig production)	400
Feeder Pig Fed Out 50 to 240 Lb. (feeder pig finishing)	350

2. Building and equipment costs are based on the following investment costs and facility usage:

Farrowing house - \$2000 per crate - used for 8 litters per crate per year
Nursery - \$600 per sow unit - used for 8 litters per year
Finishing - \$150 per pig space - 2.7 turns per year
Sow shelters - \$70 per sow space

Facilities costs are budgeted based on 1% of investment to cover taxes, $\frac{1}{2}\%$ for insurance, $8\frac{1}{2}\%$ for depreciation (11.8 years average life), and 2% for repairs. Interest is budgeted at a 7% real rate for $\frac{1}{2}$ of the investment (the average value over the life of the facility).

3. Labor costs were based on a wage rate of \$7.50 per hour and labor requirements as follows:

Sow & Two Litters to 240 Lb. - 26 hours
Sow & Two Litters to 50 Lb. - 11.5 hours
Feeder Pig Fed out 50 to 240 Lb. - 0.6 hours

4. A production rate of 15 pigs per sow per year was utilized in calculating costs for the farrow to finish budget and 17 pigs per sow per year in the farrow to feeder pig budget.
5. Depreciation and death loss on breeding stock are calculated as a cost item in these budgets. In a typical swine enterprise, the depreciation and death loss on breeding stock is reflected in the difference between the cost of breeding stock purchased and revenue from the sale of cull breeding stock. But, when budgeting costs it is more

convenient to treat this as a cost item. The depreciation and death loss costs for breeding stock were increased significantly from earlier years' budgets. This reflects an increasing number of producers who are purchasing all of their breeding stock, rather than raising their replacement gilts. The budgeted costs are based on purchasing 100% of replacements with the following assumptions:

- Females -** Buy - \$220/head, Sell - \$140/head, ave. life in herd - 3 years,
Annual Death loss - 4.5%
- Boars -** Buy - \$600/head, Sell - \$165/head, ave. life in herd - 2 years
Sows per boar - 25, Annual Death loss - 4.5%

H1

BUDGETED HOG PRODUCTION COSTS

		SOW & TWO LITTERS TO 240 LBS		SOW & TWO LITTERS TO 50 LBS		FEEDER PIG FED OUT 50 LBS TO 240 LBS	
Feed							
Corn	\$2.30 /bu	190 bu	\$437.00	42 bu	\$96.60	9.6 bu	\$22.08
Soybean Meal	\$180.00 /ton	2,258 lb	\$203.22	264 lb	\$23.76	117 lb	\$10.53
Vitamins, Minerals and Salt		492 lb	\$92.25	196 lb	\$36.75	22 lb	\$3.80
Baby Pig Feed	\$287 /ton	273 lb	\$39.18	306 lb	\$43.91		
Total Feed Costs			\$771.65 \$21.43 /cwt		\$201.02 \$11.82 /pig		\$36.41 /pig
Other Cash Costs							
Cost of Feeder Pig							\$45.00
Veterinary and Medicine			\$39.60		\$31.80		\$0.60
Utilities			\$53.30		\$40.00		\$1.15
Other Operating Expenses			\$145.00		\$74.80		\$2.55
Interest on Operating Expenses, Turnover	10.0% 0.25 /year		\$30.11		\$10.85		\$2.80
Total Other Cash Costs			\$268.01 \$7.44 /cwt		\$157.45 \$9.26 /pig		\$52.10 /pig
Total Labor Costs	\$7.50 /hr	26.00 hr	\$195.00	11.50 hr	\$86.25	0.60 hr	\$4.50
Total Operating Costs			\$1,234.66 \$34.30 /cwt		\$444.72 \$26.16 /pig		\$93.01 /pig
Ownership Costs							
Interest on Breeding Stock	7.0%		\$13.67		\$13.67		
Breeding Stock Deprec. and Death Loss			\$41.96		\$41.96		
Buildings and Equipment - Depreciation, Interest, Repairs, Taxes, Insurance	15.5%		\$240.77		\$111.60		\$8.61
Total Ownership Costs			\$296.40		\$167.23		\$8.61
Total Costs Excluding Overhead and Management			\$1,531.06 \$42.53 /cwt		\$611.95 \$36.00 /pig		\$101.62 /pig \$53.48/cwt produced
Overhead and Management							
Overhead	5%		\$39.88		\$17.41		\$1.30
Management			\$67.50		\$59.50		\$1.00
Total Overhead and Management			\$107.38		\$76.91		\$2.30
TOTAL COST			\$1,638.44 \$45.51 /cwt		\$688.86 \$40.52 /pig		\$103.91 \$43.30/cwt sold

OTHER OPERATING EXPENSES includes marketing, transportation, feed processing, & miscellaneous expenses

EXPLANATION OF SHEEP PRODUCTION BUDGETS, 1995

A listing of the basic assumptions is provided to better understand how the figures are calculated in order to relate them to an actual operation. The budgets are first developed on a per ewe, lamb, and ram basis. This is followed by the development of costs and returns for a 100 ewe farm flock by lambing percentage. The assumptions are as follows:

1. It is assumed that breeding animals are placed in a dry lot from December 1 to May 1. They are grazed on pasture and corn stalks from May 1 to December 1. It is assumed there are 6 ewes and their lambs per animal unit for grazing.
2. Ewes are fed 1.6 pounds of corn per day for 30 days during breeding.
3. Lambing occurs March 15 through April 15.
4. Creep feed costs for the lamb are allocated to the ewe.
5. On budget \$3, feed costs for the ewe are increased at the higher lambing rates. The corn fed per day is increased from March 1 to April 1.
6. The ration for lamb growing and finishing is a corn, alfalfa, soybean meal, and salt and mineral mix with approximately 16% protein.
7. Interest on feed and purchased inputs is charged for $\frac{1}{3}$ of a year for the lambs and $\frac{1}{2}$ of a year for the ewes and the rams. Items charged interest are indicated with an asterisk.
8. All labor for the lamb through weaning is charged to the ewe. Labor for the lamb from weaning to marketing is charged to the lamb.
9. Overhead is charged on items marked with an asterisk.
10. 20 percent of the ewes are replaced each year from the lamb crop.
11. A 4 percent death rate is assumed for ewes, rams, and lambs.
12. It is assumed that cull ewes are sold after the lambs reach weaning age. The replacement stock go into the flock at breeding time.
13. It is assumed that all replacement ewes are acceptable and no additional animals are kept.
14. Three rams are assumed per 100 ewes with one being replaced each year.
15. Lambs are assumed to weigh 120 lbs. when marketed at 130-140 days from weaning. Wool is sold at 90 cents per pound for fine, 40 cents per pound for coarse, or an average of 60 cents per pound. Wool production is 7 lbs per ewe.

**S1 BUDGETED ANNUAL COSTS PER EWE AND LAMB
CROP AREA, 1995**

				Ewe	Lamb
Feed Costs					
*Corn (\$2.30/bu)			Lbs/day		
	15-Dec	15-Jan	0.60	\$0.76	
	15-Jan	01-Apr	1.20	3.75	
	15-Aug	15-Sep	1.60	2.04	
*Alfalfa Hay (\$60/ton)					
	15-Dec	15-Jan	3.00	2.79	
	15-Jan	01-Apr	4.50	10.26	
*Salt and Minerals (\$ 0.26/lb)		365 days	0.01	0.95	
*Milk replacer (\$1.00/lb)	5% of Lambs	30 days	1.00	1.50	
*Creep Feed (\$110.00/ton)		30 days	1.00	1.65	
*Lamb Ration (\$4.22 /100lbs)		110 days	3.73		\$17.32
2.1 lbs corn, 1.4 lbs alf. hay					
0.05 lbs min'l, 0.18 lbs SBOM					
Grazing pasture & stalks: 0.17 AUM x 7.0 mo @ \$15.00/AUM				17.85	
Total Feed Costs				\$41.55	\$17.32
Other Cash Costs					
*Shearing				\$2.50	
*Veterinary				3.00	3.00
*Supplies				1.40	
*Fuel and utilities				1.40	
*Building and equipment repairs				1.40	0.28
Marketing and transportation				0.37	2.50
Interest on purchased feed and other 10.0% per yr, Ewe 0.50 yr, Lamb 0.33 yr				1.67	0.68
Total Other Cash Costs				\$11.74	\$6.46
Labor					
	Ewe	Operator 4.0 hrs, @\$6.00		\$24.00	
	Lamb	Operator 0.5 hrs, @\$6.00			3.00
Total Labor Costs				\$24.00	\$3.00
Total Operating Costs				\$77.29	\$26.78
Ownership Costs					
Interest on ewe @ 7.00%, \$75/hd value				\$5.25	
Deprec. & interest on bldgs and equip				5.48	
Taxes & insurance, bldgs, equip & animals				2.20	
Total Ownership Costs				\$12.93	\$0.00
Overhead and Management					
Overhead @ 5.0%				\$1.67	\$1.03
Management				2.50	
Total Overhead and Management Costs				\$4.17	\$1.03
Total Costs				\$94.39	\$27.81

*Items charged interest and overhead

**S2 BUDGETED ANNUAL COST PER RAM
CROP AREA, 1995**

	Ram
Feed Costs	
*Corn (\$2.30/bu) Lbs/day	
01-Dec 01-May 0.50	\$3.10
*Alfalfa Hay (\$60/ton) 01-Dec 01-May 4.00	18.12
*Salt and Minerals (\$0.26/lb) 365 days 0.01	0.95
Grazing pasture & stalks: 0.3 AUM x 7.0 mo @ \$15.00/AUM	31.50
Total Feed Cost	\$53.67
Other Cash Costs	
*Shearing	\$2.50
*Veterinary	3.00
*Supplies	
*Fuel and utilities	1.40
*Building and equipment repairs	1.40
Marketing and transportation	0.84
Interest on purchased feed and other 10.0% per yr, 0.50 yr	1.52
Total Other Cash Costs	\$10.66
Total Labor Costs Operator 1.0 hrs, @\$6.00	\$6.00
Total Operating Costs	\$70.33
Ownership Costs	
Interest on Ram @ 7.00%, \$200/hd value	\$14.00
Taxes & insurance, bldgs, equip & animals	2.20
Total Ownership Costs	\$16.20
Overhead and Management	
Overhead @ 5.0%	\$1.52
Management	
Total Overhead and Management Costs	\$1.52
Total Costs	\$88.06

*Items charged interest and overhead

**S3 BUDGETED COSTS AND BREAK-EVEN PRICES FOR 100 EWE OPERATION
FOR DIFFERENT LAMB CROPS**

	135 Lambs Born 110 sold*	150 Lambs Born 124 sold*	165 Lambs Born 138 sold*	180 Lambs Born 153 sold*
Feed Costs				
Ewes	\$4,155.00	\$4,155.00	\$4,166.40	\$4,177.80
Lambs	\$2,338.20	\$2,598.00	\$2,857.80	\$3,117.60
3 Rams	\$161.01	\$161.01	\$161.01	\$161.01
Total Feed Costs	\$6,654.21	\$6,914.01	\$7,185.21	\$7,456.41
Other Cash Costs				
Ewes	\$1,174.00	\$1,174.00	\$1,174.00	\$1,174.00
Lambs	872.07	968.97	1065.87	1162.76
3 Rams	31.99	31.99	31.99	31.99
Total Other Cash Costs	\$2,078.06	\$2,174.96	\$2,271.86	\$2,368.75
Labor				
Ewes	\$2,400.00	\$2,400.00	\$2,400.00	\$2,400.00
Lambs	405.00	450.00	495.00	540.00
3 Rams	18.00	18.00	18.00	18.00
Total Labor Costs	\$2,823.00	\$2,868.00	\$2,913.00	\$2,958.00
Total Operating Costs	\$11,555.27	\$11,956.97	\$12,370.07	\$12,783.16
Ownership Costs				
Ewes	\$1,293.00	\$1,293.00	\$1,293.00	\$1,293.00
Lambs	0.00	0.00	0.00	0.00
3 Rams	48.60	48.60	48.60	48.60
Total Ownership Costs	\$1,341.60	\$1,341.60	\$1,341.60	\$1,341.60
Overhead & Management				
Ewes	\$417.00	\$417.00	\$417.00	\$417.00
Lambs	139.05	154.50	169.95	185.40
3 Rams	4.57	4.57	4.57	4.57
Total Overhead & Management Costs	\$560.62	\$576.07	\$591.52	\$606.97
Total Costs	\$13,457.49	\$13,874.64	\$14,303.19	\$14,731.73
Credit for Sale of:				
Wool **	420.00	420.00	420.00	420.00
Cull Income*** \$25/ewe and \$30/ram	426.40	426.40	426.40	426.40
Total Credits	\$846.40	\$846.40	\$846.40	\$846.40
Net Cost of Production	\$12,611.09	\$13,028.24	\$13,456.79	\$13,885.33
Net Cost of Production Lambs/lb****	\$0.91	\$0.84	\$0.77	\$0.72
Excluding Labor, Overhead and Mgt	\$0.67	\$0.61	\$0.57	\$0.54

*Lambs born adjusted for ewe lambs kept for replacements and 4.0% death rate

**Wool @ \$0.60/lb

*** 20.0 % ewe replacement and 33.3% ram replacement, culls adjusted for 4.0 % death rate

**** Credit is given for wool and cull income
when determining breakeven prices.

EXPLANATION OF BEEF PRODUCTION BUDGETS, 1995

BEEF COW BUDGETS

The first four beef budgets are on a cow unit basis. Two budgets are for the ranching area and two for the farming area of Nebraska. A cow unit includes the cow, her calf until weaning, and her proportionate share of replacement heifer and bull. Therefore, costs per cow unit reflect those for all animals contributing to calf production. Costs per calf produced are dependent upon the number of calves produced per cow unit.

It is assumed that replacement heifers are selected from the calf crop and grown. Sales of cull cows and excess heifers are credited against total costs per cow unit, and no depreciation is charged against cows. Bulls are assumed to be purchased. Annual cash sales of cull bulls are less than cash purchase of bulls, so there is a net cost for bulls. Death losses of the breeding herd are shown as reductions in the sales of cull cows, heifers, and bulls. An opportunity cost of the replacement heifer calf is charged against the cow herd by reducing credits for sale of cull cattle. The opportunity cost of the replacement heifers net of culls adjusted for death losses is the equivalent of a depreciation charge for the cows.

Other assumptions in the cow unit budgets are:

1. Spring calving cow herds with mature cows averaging 1100 pounds (1.1 animal units).
2. Heifers calve as two year olds.
3. Annual replacement rate of cows is 16%. The cow death loss is 1.5% which leaves 14.5% cull cows sold per year. The value of culls is $1000 \times .145 \times \$.45 = \65.25 per cow in the herd.
4. 20 heifer calves are retained for 16 replacements. The other 4 are culled.
5. Bulls are retained for 4 years and serve 25 cows per year on a ranch and are retained for 3 years and serve 30 cows per year on a general farm. The purchase price of bulls is \$2500; the salvage value is \$880 (1600 lb @ \$.55/lb) producing an average value of $(\$2500 + \$880) \div 2 = \$1,690$.
6. Six months each for summer and winter seasons.
7. Land costs including taxes are not charged directly, but are reflected in the charges for pasture and hay.
8. Labor does not include labor for haying, upkeep of fences, and water since that labor is reflected in the market prices of hay and grazing land.

An arbitrary management charge is included in each budget. Labor and management may not be cash costs to the cow-calf enterprise. However, the family living costs have to be covered

by enterprises of the farm or ranch. In budget C1, \$31.50 is charged for labor and \$12.00 for management. The sum of these, \$43.50 per cow unit, will provide a family living income of \$20,000 per year if there are 460 cow units in the herd.

For those who prefer to use land costs of taxes and interest rather than the haying and grazing costs, the following illustration may be useful for estimating acreage requirements per cow unit.

AUM¹ Requirements Per Cow Unit

Winter: 6 months	No./Cow Unit		AU Equiv.		No. Mos.		AUM Needs
Cow:	0.84	x	1.10	x	6	=	5.54
Bred Heifer:	0.16	x	1.00	x	6	=	0.96
Heifer Calf:	0.20	x	0.55	x	6	=	0.66
Bull:	0.04	x	1.50	x	6	=	0.36
	1.24		Winter Needs per Cow Unit				7.52 AUMs
Summer: 6 months	No./Cow Unit		AU Equiv.		No. Mos.		AUM Needs
Cow-Calf Pair:	1.00	x	1.30	x	6	=	7.80
Heifer:	0.20	x	0.70	x	6	=	0.84
Bull:	0.04	x	1.50	x	6	=	0.36
	1.24		Summer Needs per Cow Unit				9.00 AUMs

Forage Production Per Acre (Varies with Site and Condition)

Example:

Wet Meadow: 1 ton hay per acre + 0.5 AUM of winter grazing
 Upland Hay: 0.5 ton per acre
 Hay Equivalent: 1 ton hay = 3 AUMs
 Range: 0.6 AUM per acre summer or winter

Acres Required Per Cow Unit

Example: Budget C1: Forage requirements are 0.75 ton hay and 14.25 AUMs pasture.

0.5 ton hay consumed = 1 acre native hay production

14.25 AUMs grazing = 23.8 acres range needed (14.25 AUMs + .6 AUMs per acre)

Acres required per cow unit = 1 acre native hay + 23.8 acres range = 24.8 acres

¹ AUM: Animal Unit Month or the forage requirement for one month of a 1000 lb. cow of average milking ability.

Example: Budget C2 (wet meadow assumed)

2.0 tons of hay + 1 ton per acre = 2 acres per cow unit

1.5 AUMs winter requirement - .5 from meadow aftergrowth = 1 AUM range

1 AUM winter + 9 AUMs summer = 10 AUMs

10 AUMs = 14.3 acres grazing needed (10 AUMs + 6 AUMs per acre)

Acres required per cow unit = 16.7 acres grazing + 1.8 acres meadow = 18.5 acres

Calculating Costs Per Cwt. of Calf Produced:

Example: Budget C1: Cost per calf produced =

Net cost per cow + calves weaned per cow =

\$518.68 + .90 = \$576.32

Cost per cwt of calf produced =

Cost per calf + calf weight in cwt =

\$576.32 + 5.5 = \$104.78

OTHER BEEF BUDGETS

Beef budgets other than the cow-unit budgets are on a per head basis. The replacement heifer and bull budgets attempt to separate these animals from the cow unit budgets and look at them as separate enterprises. However, the replacement heifer and bull budgets presented provide some variation in feeding regime from that assumed in the cow budgets.

Items purchased off the ranch or farm are charged interest at a 10 percent rate. Breeding livestock are charged 7 percent interest to reflect a real rate of interest after adjusting for 3 percent inflation. Grazing and hay are assumed home-grown in the growing budgets and are not charged interest. All feeds are charged interest in the finishing programs.

The arbitrary management fee is designed to reflect the relative management input and number of decisions involved in each enterprise.

C1 BUDGETED ANNUAL ECONOMIC COSTS PER COW UNIT, BEEF COW HERD
RANCH AREA, 1995

Situation: Winter Grazing with Minimum Hay

	Quantity	Price	Cost/Cow	Your Estimate
Feed Costs				
Alfalfa Hay	ton	\$60.00		
Stalk Pasture	day	\$0.25		
Summer Grazing	9 AUM	\$20.00	180.00	
*32% Protein	2.25 cwt	\$10.75	24.19	
*Corn (14 bu/hfr, 20 hfrs/100 cows)	2.8 bu	\$2.40	6.72	
*Salt & Mineral	60 lbs	\$0.12	7.20	
Total Feed Costs			\$331.73	
Other Cash Costs				
Marketing(culls only)	2.00 cwt	\$2.00	\$4.00	
*Veterinary and medicine			12.00	
*Cash costs on bldgs & equip			3.00	
*Misc. cash costs			5.50	
Int. on pur. feed & cash costs 0.5 yr.	\$58.61	10.0%	2.93	
Total Other Cash Costs			\$27.43	
Total Labor Costs			\$31.50	
Total Operating Costs			\$390.66	
Ownership Costs				
Int. on animals (ave. val. over life)	\$787	7.0%	\$55.09	
Purchase of bull every 4 yrs for 25 cows	\$2500 / 100 cows		25.00	
Taxes and insurance, bldg & equip			5.00	
Total Ownership Costs			\$85.09	
Overhead & Management				
Overhead	\$58.61	5.0%	\$2.93	
Management			12.00	
Total Overhead and Management Costs			\$14.93	
Total Costs Excluding Cull Credits			\$490.68	
Cull Credits				
Cull cow - death loss (0.16-0.015=0.145)	1,000 lbs	\$0.45	\$65.25	
Cull heifer - death loss (0.04-0.003=0.037)	750 lbs	\$0.65	18.04	
Cull bull - death loss (0.01-0.0001=0.0099)	1,600 lbs	\$0.55	8.71	
Total Cull Credits			(\$92.00)	
Capital cost of heifer calf at weaning			\$120.00	
Net capital cost (credit)			\$28.00	
NET COST PER COW			\$518.68	
PRODUCTION COSTS OF CALVES BY WEANING PERCENTAGE				
Calves Weaned/Cow Exposed				
	85%	90%	92%	
Cost Per Calf Produced				
	\$610.22	\$576.32	\$563.79	
Cost Per Cwt.				
Weaning Weight				
525	\$116.23	\$109.77	\$107.39	
550	\$110.95	\$104.78	\$102.51	

*Items charged interest

**C2 BUDGETED ANNUAL ECONOMIC COSTS PER COW UNIT, BEEF COW HERD
RANCH AREA, 1995**

Situation: Winter Haying and Aftergrowth Grazing

	Quantity	Price	Cost/Cow	Your Estimate
Feed Costs				
Alfalfa Hay	ton	\$60.00		
Stalk Pasture	day	\$0.25		
Summer Grazing	9 AUM	\$20.00	180.00	
*32% Protein	1 cwt	\$10.75	10.75	
*Corn (14 bu/hfr, 20 hfrs/100 cows)	2.8 bu	\$2.40	6.72	
*Salt & Mineral	60 lbs	\$0.12	7.20	
Total Feed Costs			\$326.42	
Other Cash Costs				
Marketing(culls only)	2.00 cwt	\$2.00	\$4.00	
*Veterinary and medicine			12.00	
*Cash costs on bldgs & equip			3.00	
*Misc. cash costs			5.50	
Int. on pur. feed & cash costs 0.5 yr.	\$45.17	10.0%	2.26	
Total Other Cash Costs			\$26.76	
Total Labor Costs	6.50 hr	\$6.00	\$39.00	
Total Operating Costs			\$392.18	
Ownership Costs				
Int. on animals (ave. val. over life)	\$787	7.0%	\$55.09	
Purchase of bull every 4 yrs for 25 cows	\$2500 / 100 cows		25.00	
Taxes and insurance, bldg & equip			5.00	
Total Ownership Costs			\$85.09	
Overhead & Management				
Overhead	\$45.17	5.0%	\$2.26	
Management			12.00	
Total Overhead and Management Costs			\$14.26	
Total Costs Excluding Cull Credits			\$491.53	
Cull Credits				
Cull cow - death loss (0.16-0.015=0.145)	1,000 lbs	\$0.45	\$65.25	
Cull heifer - death loss (0.04-0.003=0.037)	750 lbs	\$0.65	18.04	
Cull bull - death loss (0.01-0.0001=0.0099)	1,600 lbs	\$0.55	8.71	
Total Cull Credits			(\$92.00)	
Capital cost of heifer calf at weaning	0.20	\$600.00	\$120.00	
Net capital cost (credit)			\$28.00	
NET COST PER COW			\$519.53	
PRODUCTION COSTS OF CALVES BY WEANING PERCENTAGE				
	Calves Weaned/Cow Exposed			
	85%	90%	92%	
	Cost Per Calf Produced			
	\$611.21	\$577.25	\$564.70	
Weaning Weight	Cost Per Cwt.			
525	\$116.42	\$109.95	\$107.56	
550	\$111.13	\$104.96	\$102.67	

*Items charged interest

C3 BUDGETED ANNUAL ECONOMIC COSTS PER COW UNIT, BEEF COW HERD
CROP AREA,1995

Situation: Winter on Corn Stalks and Alfalfa

	Quantity	Price	Cost/Cow	Your Estimate
Feed Costs				
Alfalfa Hay	1.35 ton	\$60.00	\$81.00	
Stalk Pasture	90 day	\$0.25	22.50	
Summer Grazing	9 AUM	\$20.00	180.00	
*32% Protein	cwt	\$10.75		
*Corn (8 bu/hfr, 20 hrs/100 cows)	1.6 bu	\$2.30	3.68	
*Salt & Mineral	60 lbs	\$0.12	7.20	
Total Feed Costs			\$294.38	
Other Cash Costs				
Marketing(culls only)	2.00 cwt	\$2.00	\$4.00	
*Veterinary and medicine			12.00	
*Cash costs on bldgs & equip			7.00	
*Misc. cash costs			6.25	
Int. on pur. feed & cash costs 0.5 yr.	\$36.13	10.0%	1.81	
Total Other Cash Costs			\$31.06	
Total Labor Costs	8.00 hr	\$6.00	\$48.00	
Total Operating Costs			\$373.44	
Ownership Costs				
Int. on animals (ave. val. over life)	\$789	7.0%	\$55.23	
Purchase of bull every 3 yrs for 30 cows	\$2500 / 90 cows		27.78	
Taxes and insurance,bldg & equip			10.50	
Total Ownership Costs			\$93.51	
Overhead & Management				
Overhead	\$36.13	5.0%	\$1.81	
Management			12.00	
Total Overhead and Management Costs			\$13.81	
Total Costs Excluding Cull Credits			\$480.75	
Cull Credits				
Cull cow - death loss (0.16-0.015=0.145)	1,000 lbs	\$0.45	\$65.25	
Cull heifer - death loss (0.04-0.003=0.037)	750 lbs	\$0.65	18.04	
Cull bull - death loss (0.01-0.0001=0.0110)	1,600 lbs	\$0.55	9.68	
Total Cull Credits			(\$92.97)	
Capital cost of heifer calf at weaning	0.20	\$600.00	\$120.00	
Net capital cost (credit)			\$27.03	
NET COST PER COW			\$507.78	
PRODUCTION COSTS OF CALVES BY WEANING PERCENTAGE				
Calves Weaned/Cow Exposed				
	85%	90%	92%	
Cost Per Calf Produced				
	\$597.39	\$564.20	\$551.94	
Cost Per Cwt.				
Weaning Weight				
525	\$113.79	\$107.47	\$105.13	
550	\$108.62	\$102.58	\$100.35	

*Items charged interest

C4 BUDGETED ANNUAL ECONOMIC COSTS PER COW UNIT, BEEF COW HERD
CROP AREA, 1995

Situation: Winter on Corn Stalks and Alfalfa

	Quantity	Price	Cost/Cow	Your Estimate
Feed Costs				
Alfalfa Hay	0.6 ton	\$60.00	\$36.00	
Stalk Pasture	90 day	\$0.25	22.50	
Summer Grazing	9 AUM	\$20.00	180.00	
*32% Protein	1.5 cwt	\$10.75	16.13	
*Corn (40 bu/hfr, 20 hfrs/100 cows)	8 bu	\$2.30	18.40	
*Salt & Mineral	60 lbs	\$0.12	7.20	
Total Feed Costs			\$280.23	
Other Cash Costs				
Marketing(culls only)	2.00 cwt	\$2.00	\$4.00	
*Veterinary and medicine			12.00	
*Cash costs on bldgs & equip			6.75	
*Misc. cash costs			6.25	
Int. on pur. feed & cash costs 0.5 yr.	\$66.73	10.0%	3.34	
Total Other Cash Costs			\$32.34	
Total Labor Costs	7.25 hr	\$6.00	\$43.50	
Total Operating Costs			\$356.06	
Ownership Costs				
Int. on animals (ave. val. over life)	\$789	7.0%	\$55.23	
Purchase of bull every 3 yrs for 30 cows	\$2500 / 90 cows		27.78	
Taxes and insurance, bldg & equip			10.50	
Total Ownership Costs			\$93.51	
Overhead & Management				
Overhead	\$66.73	5.0%	\$3.34	
Management			12.00	
Total Overhead and Management Costs			\$15.34	
Total Costs Excluding Cull Credits			\$464.91	
Cull Credits				
Cull cow - death loss (0.16-0.015=0.145)	1,000 lbs	\$0.45	\$65.25	
Cull heifer - death loss (0.04-0.003=0.037)	750 lbs	\$0.65	18.04	
Cull bull - death loss (0.01-0.0001=0.0110)	1,600 lbs	\$0.55	9.68	
Total Cull Credits			(\$92.97)	
Capital cost of heifer calf at weaning	0.20	\$600.00	\$120.00	
Net capital cost (credit)			\$27.03	
NET COST PER COW			\$491.94	
PRODUCTION COSTS OF CALVES BY WEANING PERCENTAGE				
Calves Weaned/Cow Exposed				
	85%	90%	92%	
Cost Per Calf Produced				
	\$578.75	\$546.60	\$534.71	
Cost Per Cwt.				
Weaning Weight				
525	\$110.24	\$104.11	\$101.85	
550	\$105.23	\$99.38	\$97.22	

*Items charged interest

**C5 BUDGETED ECONOMIC COST OF GROWING REPLACEMENT HEIFER
RANCH AREA, 1995**

Costs from Weaning Heifer Until She Calves at 16 months

	Quantity	Price	Cost/Hfr	Your Estimate
Feed Costs				
Alfalfa Hay	0.3 ton	\$60.00	\$18.00	
Hay (native stacked)	1.8 ton	\$50.00	90.00	
Summer Grazing	4.8 AUM	\$20.00	96.00	
*SBOM	1.8 cwt	\$9.00	16.20	
*Corn	9.6 bu	\$2.40	23.04	
*Salt & Mineral	40 lbs	\$0.12	4.80	
Total Feed Costs			\$248.04	
Other Cash Costs				
Marketing(Culls)	1.39 cwt	\$2.00	\$2.78	
*Veterinary and medicine			9.00	
*Cash costs on bldgs & equip			7.25	
*Misc. cash costs			5.50	
Int on pur. feed & cash costs 0.5 yr	\$65.79	10.0%	3.29	
Total Other Cash Costs			\$27.81	
Total Labor Costs	9.50 hr	\$6.00	\$57.00	
Total Operating Costs			\$332.85	
Ownership Costs				
Interest on weaning value of heifer 1.33 yr	\$600	7.0%	\$56.00	
Bull Charge			40.00	
Ownership costs on bldgs & equip			7.35	
Total Ownership Costs			\$103.35	
Overhead & Management				
Overhead	\$65.79	5.0%	\$3.29	
Management			5.50	
Total Overhead and Management Costs			\$8.79	
Total Cost Excluding Cull Credits			\$444.99	
Cull Credits				
Cull heifer - death loss (0.20-0.015=0.185)	750 lbs	\$0.65	(\$90.19)	
Total Cull Credits			(\$90.19)	
Net Cost Excluding Value at Weaning			\$354.81	
Value of Heifer at Weaning			\$600.00	
Net Costs of Replacement Including Value at Weaning			\$954.81	

*Items charged interest

**C6 BUDGETED ANNUAL ECONOMIC COSTS OF KEEPING A 1500 LB BULL
RANCH AREA, 1995**

	Quantity	Price	Cost/Bull	Your Estimate
Feed Costs				
Hay (native stacked)	2.3 ton	\$50.00	\$115.00	_____
Stalk Pasture	90 day	\$0.25	22.50	_____
Summer Grazing	9 AUM	\$20.00	180.00	_____
Winter Grazing	2 AUM	\$14.50	29.00	_____
*32% Protein	1.8 cwt	\$10.75	19.35	_____
*Salt & Mineral	96 lbs	\$0.12	11.52	_____
Total Feed Costs			\$365.85	_____
Other Cash Costs				
Marketing 0.240 Culls@ 1600 lbs	3.84 cwt	\$2.00	\$7.68	_____
Cull bulls - death loss (0.25-0.010=0.240)			14.50	_____
*Veterinary and medicine			3.25	_____
*Cash costs on bldgs & equip			7.60	_____
*Misc. cash costs			2.24	_____
Int on pur. feed & cash costs 0.5 yr	\$44.70	10.0%		_____
Total Other Cash Costs			\$35.27	_____
Total Labor Costs	7.50 hr	\$6.00	\$45.00	_____
Total Operating Costs			\$446.12	_____
Ownership Costs				
Depreciation				
Purchase Cost				
-Salvage Value (16 cwt @\$55)				
Total Depreciation				
Interest on average bull value	4 yrs		\$405.00	_____
Ownership costs on bldgs & equip	\$1,690	7.0%	\$118.30	_____
			\$6.00	_____
Total Ownership Cost			\$529.30	_____
Overhead & Management				
Overhead	\$44.70	5.0%	\$2.24	_____
Management			\$11.00	_____
Total Overhead and Mgt Costs			\$13.24	_____
Total Costs			\$988.65	_____
	per 25 cows		\$39.55	_____

*Items charged interest

B1 BUDGETED COST OF GROWING 550 LB. STEER CALVES, 180 DAYS, 1995

Situation: Wintering, Prairie Hay, Medium Frame, Ranch Area, 1.3 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Prairie Hay	0.9 ton	\$50.00	\$45.00	
*SBOM	2 cwt	\$12.00	24.00	
*Corn	11 bu	\$2.40	26.40	
*Salt & Mineral	25 lb	\$0.12	3.00	
Total Feed Costs			\$98.40	
Other Cash Costs				
Marketing	7.80 cwt	\$2.00	\$15.61	
*Veterinary and medicine			5.75	
*Cash costs on bldgs & equip			5.25	
*Misc. cash costs			5.50	
Int on pur. feed&cash costs 0.25 yr	\$114.90	10.0%	2.83	
Total Other Cash Costs			\$34.94	
Total Labor Cost	2.60 hr	\$6.00	\$15.60	
Total Operating Cost			\$148.94	
Ownership Costs				
Interest on beginning value 0.49 yr	\$440.00	8.0%	\$17.36	
Death Loss	\$440.00	1.5%	6.60	
Ownership costs on bldgs & equip			6.00	
Total Ownership Cost			\$29.96	
Overhead & Management				
Overhead	\$114.90	5.0%	\$5.75	
Management			5.00	
Total Overhead and Mgt Costs			\$10.75	
Total Cost Excluding Feeder Cost			\$189.65	
Beginning Value	550 lbs	\$0.80	\$440.00	
Total Cost			\$629.65	
Breakeven Selling Price Per Cwt @ 780 lbs			\$80.68	
Feed Cost per Cwt Gain			\$42.71	
Total Cost Per Cwt Gain			\$82.31	

*Items charged interest

B2 BUDGETED COST OF GROWING 550 LB. STEER, 180 DAYS, 1995

Situation: Wintering, Corn Silage, Medium Frame, Ranch Area, 1.3 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Corn Silage	2.5 ton	\$19.00	\$47.50	
*Stalk Pasture	60 day	\$0.15	9.00	
*SBOM	2 cwt	\$12.00	24.00	
*Salt & Mineral	25 lb	\$0.12	3.00	
Total Feed Costs			\$83.50	
Other Cash Costs				
Marketing	7.80 cwt	\$2.00	\$15.61	
*Veterinary and medicine			5.75	
*Cash costs on bldgs & equip			5.25	
*Misc. cash costs			5.50	
Int on pur. feed&cash costs 0.25 yr	\$100.00	10.0%	2.47	
Total Other Cash Costs			\$34.57	
Total Labor Cost	2.60 hr	\$6.00	\$15.60	
Total Operating Cost			\$133.67	
Ownership Costs				
Interest on beginning value 0.49 yr	\$440.00	8.0%	\$17.36	
Death Loss	\$440.00	1.5%	6.60	
Ownership costs on bldgs & equip			7.00	
Total Ownership Cost			\$30.96	
Overhead & Management				
Overhead	\$100.00	5.0%	\$5.00	
Management			6.00	
Total Overhead and Mgt Costs			\$11.00	
Total Cost Excluding Feeder Cost			\$175.63	
Beginning Value	550 lbs	\$0.80	\$440.00	
Total Cost			\$615.63	
Breakeven Selling Price Per Cwt @ 780 lbs			\$78.89	
Feed Cost per Cwt Gain			\$36.24	
Total Cost Per Cwt Gain			\$76.23	

*Items charged interest

B3 BUDGETED COST OF GROWING 450 LB. CALVES, 200 DAYS, 1995

Situation: Wintering period using cornstalks and alfalfa hay, Crop area, 1.3 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Alfalfa Hay	1 ton	\$60.00	\$60.00	
*Stalk Pasture	60 day	\$0.15	9.00	
*Corn	12.1 bu	\$2.30	27.83	
*Salt & Mineral	40 lb	\$0.12	4.80	
Total Feed Costs			\$101.63	
Other Cash Costs				
Marketing	7.00 cwt	\$1.30	\$9.10	
*Veterinary and medicine			7.75	
*Cash costs on bldgs & equip			6.50	
*Misc. cash costs			5.25	
Int on pur. feed&cash costs 0.27 yr	\$121.13	10.0%	3.32	
Total Other Cash Costs			\$31.92	
Total Labor Cost	2.65 hr	\$6.00	\$15.90	
Total Operating Cost			\$149.45	
Ownership Costs				
Interest on beginning value 0.55 yr	\$382.50	8.0%	\$16.77	
Death Loss	\$382.50	1.5%	5.74	
Ownership costs on bldgs & equip			7.00	
Total Ownership Cost			\$29.50	
Overhead & Management				
Overhead	\$121.13	5.0%	\$6.06	
Management			5.50	
Total Overhead and Mgt Costs			\$11.56	
Total Cost Excluding Feeder Cost			\$190.51	
Beginning Value	450 lbs	\$0.85	\$382.50	
Total Cost			\$573.01	
Breakeven Selling Price Per Cwt @ 700 lbs			\$81.86	
Feed Cost per Cwt Gain			\$40.65	
Total Cost Per Cwt Gain			\$76.20	

*Items charged interest

B4 BUDGETED COST OF GROWING 550 LB. CALVES, 120 DAYS, 1995

Situation: Buying in spring, selling off grass in fall, Ranch Area, 1.8 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
Summer Grazing	2.8 AUM	\$20.00	56.00	
*Salt & Mineral	25 lb	\$0.12	3.00	
Total Feed Costs			\$59.00	
Other Cash Costs				
Marketing	7.60 cwt	\$1.30	\$9.88	
*Veterinary and medicine			4.00	
*Cash costs on bldgs & equip			2.75	
*Misc. cash costs			4.00	
Int on pur. feed&cash costs 0.16 yr	\$13.75	10.0%	0.23	
Total Other Cash Costs			\$20.86	
Total Labor Cost	1.25 hr	\$6.00	\$7.50	
Total Operating Cost			\$87.36	
Ownership Costs				
Interest on beginning value 0.33 yr	\$467.50	8.0%	\$12.30	
Death Loss	\$467.50	1.5%	7.01	
Total Ownership Cost			\$19.31	
Overhead & Management				
Overhead	\$13.75	5.0%	\$0.69	
Management			6.00	
Total Overhead and Mgt Costs			\$6.69	
Total Cost Excluding Feeder Cost			\$113.35	
Beginning Value	550 lbs	\$0.85	\$467.50	
Total Cost			\$580.85	
Breakeven Selling Price Per Cwt @ 760 lbs			\$76.43	
Feed Cost per Cwt Gain			\$28.10	
Total Cost Per Cwt Gain			\$53.98	

*Items charged interest

B5 BUDGETED COST OF GROWING 425 LB. STEER CALVES, 145 DAYS, 1995

Situation: Backgrounding, Crop area, 2.3 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Alfalfa Hay	0.26 ton	\$60.00	\$15.60	
*Corn Silage	1.4 ton	\$19.00	\$26.60	
*SBOM	0.75 cwt	\$12.00	9.00	
*Corn	19 bu	\$2.30	43.70	
*Salt & Mineral	25 lb	\$0.12	3.00	
Total Feed Costs			\$97.90	
Other Cash Costs				
Marketing	7.51 cwt	\$1.30	\$9.77	
*Veterinary and medicine			5.75	
*Cash costs on bldgs & equip			9.00	
*Misc. cash costs			3.65	
Int on pur. feed&cash costs 0.20 yr	\$116.30	10.0%	2.31	
Total Other Cash Costs			\$30.48	
Total Labor Cost	2.75 hr	\$6.00	\$16.50	
Total Operating Cost			\$144.88	
Ownership Costs				
Interest on beginning value 0.40 yr	\$361.25	8.0%	\$11.48	
Death Loss	\$361.25	1.5%	5.42	
Ownership costs on bldgs & equip			12.50	
Total Ownership Cost			\$29.40	
Overhead & Management				
Overhead	\$116.30	5.0%	\$5.82	
Management			10.00	
Total Overhead and Mgt Costs			\$15.82	
Total Cost Excluding Feeder Cost			\$190.09	
Beginning Value	425 lbs	\$0.85	\$361.25	
Total Cost			\$551.34	
Breakeven Selling Price Per Cwt @ 751 lbs			\$73.39	
Feed Cost per Cwt Gain			\$30.01	
Total Cost Per Cwt Gain			\$58.27	

*Items charged interest

B6 BUDGETED COST OF FEEDING OUT 400 LB. STEER , 365 DAYS, 1995

Situation: Silage, 1.8 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Corn Silage	8.5 ton	\$19.00	\$161.50	
*SBOM	3.7 cwt	\$12.00	44.40	
*Salt & Mineral	40 lb	\$0.12	4.80	
Total Feed Costs			\$210.70	
Other Cash Costs				
Marketing	10.50 cwt	\$1.50	\$15.75	
*Veterinary and medicine			6.25	
*Cash costs on bldgs & equip			23.00	
*Misc. cash costs			8.90	
Int on pur. feed&cash costs 0.50 yr	\$248.85	10.0%	12.44	
Total Other Cash Costs			\$66.34	
Total Labor Cost	4.80 hr	\$6.00	\$28.80	
Total Operating Cost			\$305.84	
Ownership Costs				
Interest on beginning value 1.00 yr	\$340.00	8.0%	\$27.20	
Death Loss	\$340.00	1.5%	5.10	
Ownership costs on bldgs & equip			26.75	
Total Ownership Cost			\$59.05	
Overhead & Management				
Overhead	\$248.85	5.0%	\$12.44	
Management			10.00	
Total Overhead and Mgt Costs			\$22.44	
Total Cost Excluding Feeder Cost			\$387.33	
Beginning Value	400 lbs	\$0.85	\$340.00	
Total Cost			\$727.33	
Breakeven Selling Price Per Cwt @ 1050 lbs			\$69.29	
Feed Cost per Cwt Gain			\$32.43	
Total Cost Per Cwt Gain			\$59.62	

*Items charged interest

B7 BUDGETED COST OF FEEDING OUT 650 LB. STEER , 220 DAYS, 1995

Situation: Silage, 2.0 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Corn Silage	6.75 ton	\$19.00	\$128.25	
*SBOM	2.3 cwt	\$12.00	27.60	
*Salt & Mineral	45 lb	\$0.12	5.40	
Total Feed Costs			\$161.25	
Other Cash Costs				
Marketing	11.00 cwt	\$1.50	\$16.50	
*Veterinary and medicine			5.00	
*Cash costs on bldgs & equip			19.50	
*Misc. cash costs			8.10	
Int on pur. feed&cash costs 0.30 yr	\$193.85	10.0%	5.84	
Total Other Cash Costs			\$54.94	
Total Labor Cost	4.80 hr	\$6.00	\$28.80	
Total Operating Cost			\$244.99	
Ownership Costs				
Interest on beginning value 0.60 yr	\$520.00	8.0%	\$25.07	
Death Loss	\$520.00	1.5%	7.80	
Ownership costs on bldgs & equip			26.75	
Total Ownership Cost			\$59.62	
Overhead & Management				
Overhead	\$193.85	5.0%	\$9.69	
Management			10.00	
Total Overhead and Mgt Costs			\$19.69	
Total Cost Excluding Feeder Cost			\$324.31	
Beginning Value	650 lbs	\$0.80	\$520.00	
Total Cost			\$844.31	
Breakeven Selling Price Per Cwt @ 1100 lbs			\$76.76	
Feed Cost per Cwt Gain			\$35.84	
Total Cost Per Cwt Gain			\$72.08	

*Items charged interest

B8 BUDGETED COST OF FEEDING OUT 500 LB. STEER CALVES, 230 DAYS, 1995

Situation: High Concentrate Ration, Crop area, 2.6 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Alfalfa Hay	0.45 ton	\$60.00	\$27.00	
*SBOM	2.1 cwt	\$12.00	25.20	
*Corn	70 bu	\$2.30	161.00	
*Salt & Mineral	25 lb	\$0.12	3.00	
Total Feed Costs			\$216.20	
Other Cash Costs				
Marketing	11.00 cwt	\$1.50	\$16.50	
*Veterinary and medicine			6.85	
*Cash costs on bldgs & equip			16.55	
*Misc. cash costs			6.80	
Int on pur. feed&cash costs 0.32 yr	\$246.40	10.0%	7.76	
Total Other Cash Costs			\$54.47	
Total Labor Cost	3.00 hr	\$6.00	\$18.00	
Total Operating Cost			\$288.67	
Ownership Costs				
Interest on beginning value 0.63 yr	\$425.00	8.0%	\$21.42	
Death Loss	\$425.00	2.0%	8.50	
Ownership costs on bldgs & equip			26.75	
Total Ownership Cost			\$56.67	
Overhead & Management				
Overhead	\$246.40	5.0%	\$12.32	
Management			10.00	
Total Overhead and Mgt Costs			\$22.32	
Total Cost Excluding Feeder Cost			\$367.66	
Beginning Value	500 lbs	\$0.85	\$425.00	
Total Cost			\$792.66	
Breakeven Selling Price Per Cwt @ 1100 lbs			\$72.04	
Feed Cost per Cwt Gain			\$36.02	
Total Cost Per Cwt Gain			\$61.25	

*Items charged interest

B9 BUDGETED COST OF FEEDING OUT 700 LB. YEARLING STEER, 140 DAYS, 1995

Situation: High Concentrate Ration, Crop area, 2.9 lb gain/day

	Quantity	Price	Cost/Head	Your Estimate
Feed Costs				
*Alfalfa Hay	0.22 ton	\$60.00	\$13.20	
*SBOM	1.55 cwt	\$12.00	18.60	
*Corn	53 bu	\$2.30	121.90	
*Salt & Mineral	20 lb	\$0.12	2.40	
Total Feed Costs			\$156.10	
Other Cash Costs				
Marketing	11.00 cwt	\$1.50	\$16.51	
*Veterinary and medicine			5.00	
*Cash costs on bldgs & equip			16.30	
*Misc. cash costs			6.80	
Int on pur. feed&cash costs 0.19 yr	\$184.20	10.0%	3.53	
Total Other Cash Costs			\$48.14	
Total Labor Cost	2.25 hr	\$6.00	\$13.50	
Total Operating Cost			\$217.74	
Ownership Costs				
Interest on beginning value 0.38 yr	\$525.00	8.0%	\$16.11	
Death Loss	\$525.00	1.0%	5.25	
Ownership costs on bldgs & equip			10.25	
Total Ownership Cost			\$31.61	
Overhead & Management				
Overhead	\$184.20	5.0%	\$9.21	
Management			10.00	
Total Overhead and Mgt Costs			\$19.21	
Total Cost Excluding Feeder Cost			\$268.56	
Beginning Value	700 lbs	\$0.75	\$525.00	
Total Cost			\$793.56	
Breakeven Selling Price Per Cwt @ 1100 lbs			\$72.12	
Feed Cost per Cwt Gain			\$38.99	
Total Cost Per Cwt Gain			\$67.07	

*Items charged interest