

Utah State University
 Extension Economics
 Beef Heifer Replacement Budget
 Estimated Costs and Returns, Utah, 1997

| | Units | Quantity or Weight | \$/unit | Total | Your Farm |
|------------------------------------|---------|--------------------|---------|-------------------|-----------------|
| | | | |Dollars..... | |
| Receipts: | | | | | |
| Replacement Heifer | head | 1 | 650.00 | 650.00 | |
| Operating Costs: | | | | | |
| Heifer calf | lbs | 500 | 0.92 | 460.00 | |
| Feed | | | | | |
| Hay | tons | 3.06 | 80.00 | 244.80 | |
| Pasture & Aftermath | AUMs | 4.5 | 10.00 | 45.00 | |
| Other Direct Costs | | | | | |
| Vet & Medicine | head | 1 | 10.00 | 10.00 | |
| Breeding | head | 1 | 15.00 | 15.00 | |
| Death Loss | percent | 2% | | 9.20 | |
| Miscellaneous | head | 1 | 10.00 | 10.00 | |
| Interest on Operating Capital | 460.00 | @ 9% for 16 months | | 55.20 | |
| Total Cost | | | | 849.20 | |
| Net Return Above Total Cost | | | | | (199.20) |

Value of replacement heifer need to cover costs given alternative hay prices and alternative prices of heifer calves if sold at weaning.
 (All other costs remain the same)

| Price of Hay per ton | Price of heifer calves per cwt if sold at weaning | | | | |
|----------------------|---|--------|--------|--------|--------|
| | \$60 | \$70 | \$80 | \$90 | \$100 |
| \$50 | 578.20 | 634.20 | 690.20 | 746.20 | 802.20 |
| \$60 | 608.80 | 664.80 | 720.80 | 776.80 | 832.80 |
| \$70 | 639.40 | 695.40 | 751.40 | 807.40 | 863.40 |
| \$80 | 670.00 | 726.00 | 782.00 | 838.00 | 894.00 |
| \$90 | 700.60 | 756.60 | 812.60 | 868.60 | 924.60 |
| \$100 | 731.20 | 787.20 | 843.20 | 899.20 | 955.20 |

Assumptions:
 Death Loss – 2%
 Heifer weaned in October, calved in March at age 2 years.
 Interest is charged on value of weaned heifer.

| | Calf | Summer | Bred heifer |
|---|------|--------|-------------|
| Average pounds of feed fed per day | 14 | 0 | 20 |
| Pounds of gain per day | 0.8 | 1.4 | 0.8 |
| Heifer fed hay from November through April of each year | | | |

Budget prepared by E. Bruce Godfrey and Craig Burrell.