

Enterprise Budgets

Prepared by the Economics Department, Utah State University

The following crop and livestock enterprise budgets were prepared by personnel at Utah State University with input from farmers and ranchers. These budgets are provided to assist farmers and ranchers in evaluating alternatives that may increase the profitability of their operation. The costs and returns commonly vary for a particular farm or ranch from those shown. Therefore, a column has been provided to adapt the budget to reflect the costs and returns for a specific farm or ranch enterprise.

Questions concerning these budgets should be referred to the appropriate contact individual in the Economics department at Utah State University in Logan at 435- 797-2310.

Budgets published in this and previous additions of Utah Agricultural Statistics as well as budgets for other crop and livestock enterprises may be found on the extension web page at Utah State University, <http://extension.usu.edu/>.

Index of Enterprise Budgets by Subject and Year Most Recently Published in Utah Agricultural Statistics, 1994-2009

Alfalfa Hay, establishment with oat hay	1998	Milk Cows, Jersey	1998
Alfalfa Hay, establishment, Grand County	1994	Milk Cows, Holstein	2001
Alfalfa Hay, irrigated, East Millard County	2001	Dairy Bull	1998
Alfalfa Hay, dryland, Box Elder County	2002	Deer Hunt Pack Trip	1996
Alfalfa Hay, Uintah County	2008	Floriculture	2004
Alfalfa Haylage, Millard County	2001	Elk	1997
Apples, Utah County	1994	Grass Hay, Rich County	2006
Barley, wheel-line irrigation, Cache County	2002	Grass Hay, Daggett County	2007
Beef Cattle		Lawn Turf	2006
Background Feeder Cattle	2000	Machinery & Equipment Costs	2008
Feeder Cattle Backgrounding Budget	2009	Manure & Waste Disposal, Dairy	1998
Feeder Cattle Drylot Budget	2009	Oat Hay, San Juan County	2003
Feeder Cattle Summer Grazing Budget	2009	Oats, San Juan County	2003
Beef heifer replacement	1998	Onion Production	2005
Cow/calf	1997	Ostrich	1995
Cow/calf northern Utah	2004	Pasture, irrigated	1995
Cow/calf, southern Utah	2000	Pasture Establishment	1995
Cow/calf/yearling, Rich County	1996	Peaches, Box Elder County	1994
Cow/calf, Tooele & Duchesne Counties	2007	Pheasants	1995
Cull Cows	2006	Pumpkin	1997
Feeder cattle	2005	Raspberry	1996
Feeder steer calves	2003	Safflower, dryland	1999
Finish cattle	2000	Safflower, irrigated	2005
Bison, Cow/Calf, 50 Cows	2001	Sheep, range	1997
Canola, Spring irrigated	1996	Lamb Feeding Budget	2009
Cantaloupe	2006	Soybean	1998
Cherries, Tart	1995	Swine, farrow to finish	1998
Corn for grain, Box Elder County	2002	Tomatoes	2003
Corn Silage, Cache County	2002	Triticale	1996
Corn, Sweet	1996	Turkeys, Hen	2000
CRP Contract, per acre	2001	Watermelons	1996
Custom Operators Rates	2007	Wheat, dryland	2008
Dairy		Wheat, Spring, irrigated	1994
Holstein Heifer Replacement	2001	Wheat Straw Residue	1997
Jersey Heifer Replacement	2000	Wheat, Soft White Winter, Irrigated, Box Elder Co	2000

Feeder Cattle Drylot Budget 2009

Utah State University
Extension, Applied Economics Department

Receipts	Units	Items/ Unit	Price	Per head	Your Value
Yearlings Sold	Pounds	680	\$0.97	\$659.60	
Expenses					
Calves Purchased	Pounds	500	\$1.00	\$500.00	
Feed					
Hay	Ton	1.1	\$70.00	\$74.34	
Protein Cake	Cwt	1	\$20.00	\$20.00	
Vet and Medicine	Head	1	\$7.50	\$7.50	
Marketing	Head	1	\$10.00	\$10.00	
Yardage	Head	180	\$0.20	\$36.00	
Death Loss	Head	1	\$6.76	\$6.76	
Trucking	Head	1	\$18.00	\$18.00	
Total Operating Expenses				\$672.60	
Interest	Head			\$23.54	
Total Expenses				\$696.14	
Net Returns				-\$36.54	

Breakeven Analysis (net returns per head)

Sale Price	Purchase price of calves						
	\$0.85	\$0.90	\$0.95	\$1.00	\$1.05	\$1.10	\$1.15
\$0.70	-\$145.14	-\$170.14	-\$195.14	-\$220.14	-\$245.14	-\$270.14	-\$295.14
\$0.75	-\$111.14	-\$136.14	-\$161.14	-\$186.14	-\$211.14	-\$236.14	-\$261.14
\$0.80	-\$77.14	-\$102.14	-\$127.14	-\$152.14	-\$177.14	-\$202.14	-\$227.14
\$0.85	-\$43.14	-\$68.14	-\$93.14	-\$118.14	-\$143.14	-\$168.14	-\$193.14
\$0.90	-\$9.14	-\$34.14	-\$59.14	-\$84.14	-\$109.14	-\$134.14	-\$159.14
\$0.95	\$24.86	-\$0.14	-\$25.14	-\$50.14	-\$75.14	-\$100.14	-\$125.14
\$1.00	\$58.86	\$33.86	\$8.86	-\$16.14	-\$41.14	-\$66.14	-\$91.14
\$1.05	\$92.86	\$67.86	\$42.86	\$17.86	-\$7.14	-\$32.14	-\$57.14
\$1.10	\$126.86	\$101.86	\$76.86	\$51.86	\$26.86	\$1.86	-\$23.14

Assumptions

Calves purchased in October and sold in February	
Days on Feed	180
Average Daily Gain	1.00
Death Loss	1.50%
Interest Rate	7%
Number of Calves	
Purchased	150
Sold	148

Death Losses occur at or near the start of the feeding period

Feeder Cattle Summer Grazing Budget 2009

Utah State University
Extension, Applied Economics Department

Receipts	Units	Items/ Unit	Price	Per head	Your Value
Yearlings Sold	Pounds	900	\$0.90	\$810.00	
Expenses					
Calves Purchased	Pounds	680	\$0.97	\$659.60	
Feed					
Grass	Months	4.0	\$15.00	\$60.00	
Mineral	Cwt	0.5	\$15.00	\$7.50	
Vet and Medicine	Head	1	\$7.50	\$7.50	
Marketing	Head	1	\$10.00	\$10.00	
Yardage	Head	1	\$0.00	\$0.00	
Death Loss	Head	1	\$6.76	\$6.76	
Trucking	Head	1	\$18.00	\$18.00	
Total Operating Expenses				\$769.36	
Interest	Head			\$17.95	
Total Expenses				\$787.31	
Net Returns				\$22.69	

Breakeven Analysis (net returns per head)

Sale Price	Purchase price						
	\$0.85	\$0.90	\$0.95	\$1.00	\$1.05	\$1.10	\$1.15
\$0.70	-\$75.71	-\$109.71	-\$143.71	-\$177.71	-\$211.71	-\$245.71	-\$279.71
\$0.75	-\$30.71	-\$64.71	-\$98.71	-\$132.71	-\$166.71	-\$200.71	-\$234.71
\$0.80	\$14.29	-\$19.71	-\$53.71	-\$87.71	-\$121.71	-\$155.71	-\$189.71
\$0.85	\$59.29	\$25.29	-\$8.71	-\$42.71	-\$76.71	-\$110.71	-\$144.71
\$0.90	\$104.29	\$70.29	\$36.29	\$2.29	-\$31.71	-\$65.71	-\$99.71
\$0.95	\$149.29	\$115.29	\$81.29	\$47.29	\$13.29	-\$20.71	-\$54.71
\$1.00	\$194.29	\$160.29	\$126.29	\$92.29	\$58.29	\$24.29	-\$9.71
\$1.05	\$239.29	\$205.29	\$171.29	\$137.29	\$103.29	\$69.29	\$35.29
\$1.10	\$284.29	\$250.29	\$216.29	\$182.29	\$148.29	\$114.29	\$80.29

Assumptions

Calves purchased in October and sold in February

Days on Feed	120
Average Daily Gain	1.83
Death Loss	1.50%
Interest Rate	7%
Number of Calves	
Purchased	150
Sold	148

Death Losses occur at or near the start of the feeding period

Lamb Feeding Budget 2009

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	Unit	Price or Cost/Unit	Number of Units/Lamb	Value or Cost/Lamb	Your Operation
Receipts					
Market Lambs Sold	Cwt	\$102.00	1.20	\$122.40	_____
Wool	Lbs	\$1.20	4.50	\$5.40	_____
Total Receipts				\$127.80	_____
Operating Expenses					
Feeder Lambs	Cwt.	\$108.00	0.60	\$64.80	_____
Death Loss	Cwt.	\$102.00	0.04	\$3.67	_____
Feed					
Hay	Ton	\$135.00	0.03	\$3.44	_____
Corn	Bu.	\$3.86	4.02	\$15.51	_____
Protein Vit/Minerals	Lbs.	\$0.68	24.00	\$16.32	_____
Total Feed				\$35.27	_____
Veterinary and Medicine	Head	\$0.45	1.00	\$0.45	_____
Supplies	Head	\$4.75	1.00	\$4.75	_____
Fuel and Oil	Head	\$3.15	1.00	\$3.15	_____
Repairs	Head	\$2.50	1.00	\$2.50	_____
Hauling	Head	\$0.28	1.00	\$0.28	_____
Marketing	Head	\$0.75	1.00	\$0.75	_____
Shearing	Head	\$1.50	1.00	\$1.50	_____
Hired Labor	Hour	\$7.25	1.00	\$7.25	_____
Operating Interest	Head	\$5.18	1.00	\$5.18	_____
Misc.	Head	\$1.25	1.00	\$1.25	_____
Total Operating Expenses				\$130.80	_____
Ownership Expenses					
Interest	Head	\$3.40	1.00	\$3.40	_____
Depreciation (mach and bldgs)	Head	\$3.73	1.00	\$3.73	_____
Insurance and taxes	Head	\$1.70	1.00	\$1.70	_____
Total Ownership Expenses				\$8.83	_____
Total Expenses				\$139.63	_____
Income Above Operating Expenses				-\$3.00	_____
Returns to Operator Labor, Management and Equity				-\$11.83	_____

Assumptions

Number of Lambs	150	Mortality Rate	3%
Beginning weight	60 lbs.	Interest Rate	8%
Finished weight	120 lbs.	Feed Ration:	75% Corn
Days on Feed	90		17% Alfalfa Hay
			8% Protein, Vit/Minerals