

Costs and Returns per acre from growing alfalfa hay, 2006
Salt Lake County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	3.7	tons	\$88.57	\$327.71	\$327.71	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$327.71	\$327.71	
Operating costs						
Fertilization						
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Furadan	1.25	pint	\$10.50	\$13.13	\$13.13	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
Labor	2.33	hours	\$10.00	\$23.33	\$23.33	
Water assessment	1	share	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	36	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	4	acre	\$15.56	\$62.24	\$62.24	
Turning/raking	4	acre	\$4.69	\$18.76	\$18.76	
Baling	3.70	tons	\$4.79	\$17.72	\$17.72	
Hauling/stacking	3.70	tons	\$3.63	\$13.43	\$13.43	
Interest on operating capital			7.61%	\$4.33	\$5.27	
	Subtotal			\$194.45	\$245.01	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$63.70	\$63.70	\$63.70	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$268.40	\$318.96	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$133.26	\$82.70	
Above total costs				\$59.31	\$8.75	

Breakeven Table - Alfalfa

Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$78.57	\$83.57	\$88.57	\$93.57	\$98.57
2.20	-\$8.96	\$2.04	\$13.04	\$24.04	\$35.04
2.70	\$26.11	\$39.61	\$53.11	\$66.61	\$80.11
3.20	\$61.19	\$77.19	\$93.19	\$109.19	\$125.19
3.70	\$96.26	\$114.76	\$133.26	\$151.76	\$170.26
4.20	\$131.34	\$152.34	\$173.34	\$194.34	\$215.34
4.70	\$166.41	\$189.91	\$213.41	\$236.91	\$260.41
5.20	\$201.49	\$227.49	\$253.49	\$279.49	\$305.49

Assumptions

1. Alfalfa already established. Harvested in June, August, September.
2. Interest computed on fertilization/herbicide costs for 6 months and operating costs for 3 months.
3. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Earl Jackson