

**Costs and Returns per acre from growing alfalfa hay, 2006
 Grand County**

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	4.1	tons	\$88.57	\$363.12	\$363.12	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$363.12	\$363.12	
Operating costs						
Fertilization						
Phosphate (11-52-0)	300	pounds	\$0.18	\$53.55	\$53.55	
Potash (0-0-60)	70	pounds	\$0.15	\$10.50	\$10.50	
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	\$0.00	\$0.00	\$0.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	53	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	4.10	tons	\$4.79	\$19.64	\$19.64	
Hauling/stacking	4.10	tons	\$3.63	\$14.88	\$14.88	
Interest on operating capital			7.61%	\$5.42	\$6.47	
	Subtotal			\$218.45	\$274.47	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$51.60	\$51.60	\$51.60	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$280.30	\$336.32	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$144.68	\$88.65	
Above total listed costs				\$82.83	\$26.80	

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
2.60	-\$1.54	\$11.46	\$24.46	\$37.46	\$50.46
3.10	\$33.53	\$49.03	\$64.53	\$80.03	\$95.53
3.60	\$68.60	\$86.60	\$104.60	\$122.60	\$140.60
4.10	\$103.68	\$124.18	\$144.68	\$165.18	\$185.68
4.60	\$138.75	\$161.75	\$184.75	\$207.75	\$230.75
5.10	\$173.82	\$199.32	\$224.82	\$250.32	\$275.82
5.60	\$208.90	\$236.90	\$264.90	\$292.90	\$320.90

Assumptions

1. Alfalfa already established. Harvested in June - September.
2. Interest computed on fertilization 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 Michael Johnson