

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	2.9	tons	\$88.57	\$256.84	\$256.84	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	Subtotal			\$259.73	\$259.73	
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	
Irrigation (wheel line)						
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$15.00	\$15.00	\$15.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	30	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	3	acre	\$15.56	\$46.68	\$46.68	
Turning/raking	3	acre	\$4.69	\$14.07	\$14.07	
Baling	2.90	tons	\$4.79	\$13.89	\$13.89	
Hauling/stacking	2.90	tons	\$3.63	\$10.53	\$10.53	
Interest on operating capital			7.61%	\$2.89	\$3.63	
	Subtotal			\$138.41	\$178.04	
Ownership costs (excludes cost of land)						
Insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$58.65	\$58.65	\$58.65	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$207.31	\$246.94	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$121.31	\$81.69	
Above total listed costs				\$52.42	\$12.79	

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
1.40	-\$12.91	-\$5.91	\$1.09	\$8.09	\$15.09
1.90	\$22.17	\$31.67	\$41.17	\$50.67	\$60.17
2.40	\$57.24	\$69.24	\$81.24	\$93.24	\$105.24
2.90	\$92.31	\$106.81	\$121.31	\$135.81	\$150.31
3.40	\$127.39	\$144.39	\$161.39	\$178.39	\$195.39
3.90	\$162.46	\$181.96	\$201.46	\$220.96	\$240.46
4.40	\$197.53	\$219.53	\$241.53	\$263.53	\$285.53

Assumptions

1. Alfalfa already established. Harvested in June, August, 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.

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