

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	2.8	tons	\$88.57	\$247.99	\$247.99	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	Subtotal			\$250.87	\$250.87	
Operating costs						
Fertilization						
Phosphate (11-52-0)	96	pounds	\$0.18	\$17.14	\$17.14	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Warrior	-	ounce	\$2.39	\$0.00	\$0.00	
Custom application	-	acre	\$7.82	\$0.00	\$0.00	
Irrigation (flood)						
Labor	1.33	hours	\$10.00	\$13.33	\$13.33	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	-	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	2	acre	\$4.03	\$8.07	\$8.07	
Turning	2	acre	\$1.39	\$2.78	\$2.78	
Baling	2.80	tons	\$4.79	\$13.41	\$13.41	
Hauling/stacking	2.80	tons	\$3.63	\$10.16	\$10.16	
Interest on operating capital			7.61%	\$2.09	\$1.98	
	Subtotal			\$87.11	\$80.28	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$116.42	\$116.42	\$116.42	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$213.78	\$206.95	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$163.76	\$170.59	
Above total listed costs				\$37.09	\$43.92	

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	\$37.55	\$44.55	\$51.55	\$58.55	\$65.55
1.80	\$65.61	\$74.61	\$83.61	\$92.61	\$101.61
2.30	\$100.69	\$112.19	\$123.69	\$135.19	\$146.69
2.80	\$135.76	\$149.76	\$163.76	\$177.76	\$191.76
3.30	\$170.83	\$187.33	\$203.83	\$220.33	\$236.83
3.80	\$205.91	\$224.91	\$243.91	\$262.91	\$281.91
4.30	\$240.98	\$262.48	\$283.98	\$305.48	\$326.98

Assumptions

1. Alfalfa already established. Harvested in June through September.
2. Interest computed on fertilization/herbicide costs for 6 months and operating costs for 3 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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