

Costs and Returns per acre from growing alfalfa hay, 2006
Garfield County - Escalante

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	4.0	tons	\$88.57	\$354.27	\$354.27	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	Subtotal			\$357.15	\$357.15	
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						
Furadan	1	pint	\$10.50	\$10.50	\$10.50	
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	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	35	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	4	acre	\$15.56	\$62.24	\$62.24	
Turning	4	acre	\$4.69	\$18.76	\$18.76	
Baling	4.00	tons	\$4.79	\$19.16	\$19.16	
Hauling/stacking	4.00	tons	\$3.63	\$14.52	\$14.52	
Interest on operating capital			7.61%	\$4.38	\$5.40	
	Subtotal			\$191.30	\$245.96	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$67.50	\$67.50	\$67.50	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$269.05	\$323.71	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$165.85	\$111.19	
Above total listed costs				\$88.10	\$33.44	

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
2.50	\$20.63	\$33.13	\$45.63	\$58.13	\$70.63
3.00	\$55.70	\$70.70	\$85.70	\$100.70	\$115.70
3.50	\$90.77	\$108.27	\$125.77	\$143.27	\$160.77
4.00	\$125.85	\$145.85	\$165.85	\$185.85	\$205.85
4.50	\$160.92	\$183.42	\$205.92	\$228.42	\$250.92
5.00	\$195.99	\$220.99	\$245.99	\$270.99	\$295.99
5.50	\$231.07	\$258.57	\$286.07	\$313.57	\$341.07

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.

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