

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	3.3	tons	\$88.57	\$292.27	\$292.27	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	Subtotal			\$295.15	\$295.15	
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	1.00	pints	\$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	3	acre	\$15.56	\$46.68	\$46.68	
Turning	3	acre	\$4.69	\$14.07	\$14.07	
Baling	3.30	tons	\$4.79	\$15.81	\$15.81	
Hauling/stacking	3.30	tons	\$3.63	\$11.98	\$11.98	
Interest on operating capital			7.61%	\$3.88	\$4.72	
	Subtotal			\$164.66	\$209.75	
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			\$242.41	\$287.51	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$130.49	\$85.40	
Above total listed costs				\$52.74	\$7.65	

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
1.80	-\$7.73	\$1.27	\$10.27	\$19.27	\$28.27
2.30	\$27.35	\$38.85	\$50.35	\$61.85	\$73.35
2.80	\$62.42	\$76.42	\$90.42	\$104.42	\$118.42
3.30	\$97.49	\$113.99	\$130.49	\$146.99	\$163.49
3.80	\$132.57	\$151.57	\$170.57	\$189.57	\$208.57
4.30	\$167.64	\$189.14	\$210.64	\$232.14	\$253.64
4.80	\$202.71	\$226.71	\$250.71	\$274.71	\$298.71

Assumptions

1. Alfalfa already established. Harvested in July, August or 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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