

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	6.0	tons	\$88.57	\$531.40	\$531.40	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	Subtotal			\$534.28	\$410.29	
Operating costs						
Fertilization						
Phosphate (11-52-0)	96	pounds	\$0.20	\$19.20	\$19.20	
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 (siphon)						
Labor	2.33	hours	\$10.00	\$23.33	\$23.33	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	34	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	3	acre	\$4.03	\$12.10	\$12.10	
Turning/raking	3	acre	\$1.39	\$4.18	\$4.18	
Baling	6.00	tons	\$4.79	\$28.74	\$28.74	
Hauling/stacking	6.00	tons	\$3.63	\$21.78	\$21.78	
Interest on operating capital			7.61%	\$3.67	\$3.67	
	Subtotal			\$151.45	\$151.45	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$116.76	\$116.76	\$116.76	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$278.45	\$278.45	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$382.84	\$382.84	
Above total listed costs				\$255.83	\$255.83	

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
4.60	\$224.63	\$247.63	\$270.63	\$293.63	\$316.63
5.00	\$252.69	\$277.69	\$302.69	\$327.69	\$352.69
5.50	\$287.76	\$315.26	\$342.76	\$370.26	\$397.76
6.00	\$322.84	\$352.84	\$382.84	\$412.84	\$442.84
6.50	\$357.91	\$390.41	\$422.91	\$455.41	\$487.91
7.00	\$392.98	\$427.98	\$462.98	\$497.98	\$532.98
7.50	\$428.06	\$465.56	\$503.06	\$540.56	\$578.06

Assumptions

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