

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Alfalfa hay	6.5	tons	\$95.00	\$617.50	\$617.50	
Residue	-	AUM	\$0.00	\$0.00	\$0.00	
	Subtotal			\$617.50	\$617.50	
Operating costs						
Fertilization						
Phosphate (11-52-0)	96	pounds	\$0.18	\$17.14	\$17.14	
Potassium (0-0-60)	83	pounds	\$0.15	\$12.45	\$12.45	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Velpar	1.00	quart	\$16.50	\$16.50	\$16.50	
Furadan (every 3 years)	2	pint	\$10.50	\$21.00	\$21.00	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (flood)						
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$25.00	\$25.00	\$25.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	40	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	4	acre	\$4.03	\$16.14	\$16.14	
Turning/raking	4	acre	\$1.39	\$5.57	\$5.57	
Baling	6.50	tons	\$4.79	\$31.14	\$31.14	
Hauling/stacking	6.50	tons	\$3.63	\$23.60	\$23.60	
Interest on operating capital			7.61%	\$5.44	\$5.44	
	Subtotal			\$208.57	\$208.57	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$187.65	\$187.65	\$187.65	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$406.46	\$406.46	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$408.93	\$408.93	
Above total listed costs				\$211.04	\$211.04	

Breakeven Table - Alfalfa

Net returns per acre above operating costs

Yield (Ton/Ac)	Selling Price (\$/ton)				
	\$85.00	\$90.00	\$95.00	\$100.00	\$105.00
5.00	\$229.06	\$254.06	\$279.06	\$304.06	\$329.06
5.50	\$267.35	\$294.85	\$322.35	\$349.85	\$377.35
6.00	\$305.64	\$335.64	\$365.64	\$395.64	\$425.64
6.50	\$343.93	\$376.43	\$408.93	\$441.43	\$473.93
7.00	\$382.22	\$417.22	\$452.22	\$487.22	\$522.22
7.50	\$420.51	\$458.01	\$495.51	\$533.01	\$570.51
8.00	\$458.80	\$498.80	\$538.80	\$578.80	\$618.80

Assumptions

1. Alfalfa already established. Harvested in June - 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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