

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Alfalfa hay	3.6	tons	\$88.57	\$318.84	\$318.84	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
<b>Subtotal</b>				\$321.72	\$321.72	
<b>Operating costs</b>						
Fertilization						
Phosphate (11-52-0)	125	pounds	\$0.18	\$22.31	\$22.31	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Furadan	1	pint	\$10.50	\$10.50	\$10.50	
Velpar	1.5	pint	\$16.50	\$24.75	\$24.75	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (gated pipe)	5	irrigations				
Labor	1.67	hours	\$10.00	\$16.67	\$16.67	
Water assessment	1	share	\$5.00	\$5.00	\$5.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	43	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Swathing	3	acre	\$15.56	\$46.68	\$46.68	
Raking/turning	3	acre	\$4.69	\$14.07	\$14.07	
Baling	3.60	tons	\$4.79	\$17.24	\$17.24	
Hauling/stacking	3.60	tons	\$3.63	\$13.07	\$13.07	
Interest on operating capital			7.61%	\$4.97	\$5.91	
<b>Subtotal</b>				\$193.20	\$242.40	
Ownership costs (excludes cost of land)				\$118.23	\$118.23	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership cost	1	acre	\$107.98	\$107.98	\$107.98	
Irrigation equipment	1	acre	\$8.25	\$8.25	\$8.25	
<b>Total costs</b>				\$311.44	\$360.63	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$128.52	\$79.32	
Above total listed costs				\$10.29	-\$38.91	

**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
2.10	-\$12.70	-\$2.20	\$8.30	\$18.80	\$29.30
2.60	\$22.37	\$35.37	\$48.37	\$61.37	\$74.37
3.10	\$57.45	\$72.95	\$88.45	\$103.95	\$119.45
3.60	\$92.52	\$110.52	\$128.52	\$146.52	\$164.52
4.10	\$127.59	\$148.09	\$168.59	\$189.09	\$209.59
4.60	\$162.67	\$185.67	\$208.67	\$231.67	\$254.67
5.10	\$197.74	\$223.24	\$248.74	\$274.24	\$299.74

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 on all operations.
4. Only owned machinery are a loader and truck.

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