

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

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
<b>Receipts</b>						
Alfalfa hay	3.3	tons	\$88.57	\$292.27	\$292.27	
Residue	0.25	AUM	\$11.53	\$2.88	\$2.88	
	<b>Subtotal</b>			\$295.15	\$295.15	
<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	1.00	pints	\$10.50	\$10.50	\$10.50	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (wheel line)						
Labor	2.33	hours	\$10.00	\$23.33	\$23.33	
Water assessment	1	share	\$20.00	\$20.00	\$20.00	
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	
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%	\$4.40	\$5.24	
	<b>Subtotal</b>			\$187.02	\$232.11	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$107.58	\$107.58	\$107.58	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	<b>Total costs</b>			\$304.84	\$349.94	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$108.14	\$63.04	
Above total listed costs				-\$9.69	-\$54.78	

**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	-\$30.08	-\$21.08	-\$12.08	-\$3.08	\$5.92
2.30	\$4.99	\$16.49	\$27.99	\$39.49	\$50.99
2.80	\$40.06	\$54.06	\$68.06	\$82.06	\$96.06
3.30	\$75.14	\$91.64	<b>\$108.14</b>	\$124.64	\$141.14
3.80	\$110.21	\$129.21	\$148.21	\$167.21	\$186.21
4.30	\$145.28	\$166.78	\$188.28	\$209.78	\$231.28
4.80	\$180.36	\$204.36	\$228.36	\$252.36	\$276.36

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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