

**Costs and Returns per acre from growing soft white wheat, 2005
Davis County**

Receipts	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Wheat	96.0	bushels	\$4.28	\$411.20	\$411.20	
Straw	0.75	tons	\$48.00	\$36.00	\$36.00	
Subtotal				\$447.20	\$447.20	
Operating costs						
Land preparation						
Plowing	1	acre	\$5.88	\$5.88	\$5.88	
Discing	1	acre	\$3.73	\$3.73	\$3.73	
Land plane	1	acre	\$3.34	\$3.34	\$3.34	
Roller harrow	1	acre	\$3.64	\$3.64	\$3.64	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (46-0-0)	278	pounds	\$0.20	\$55.60	\$55.60	
Phosphate (11-52-0)	48	pounds	\$0.20	\$9.60	\$9.60	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Glean	0.17	ounce	\$17.85	\$3.03	\$3.03	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)	2	irrigations				
Labor	0.67	hours	\$10.00	\$6.67	\$6.67	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	22	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$35.00	\$35.00	\$35.00	
Haul grain (custom)	96.0	bushel	\$0.08	\$7.68	\$7.68	
Baling		tons	\$4.79	\$0.00	\$0.00	
Haul/stack straw	0.00	tons	\$3.63	\$0.00	\$0.00	
Crop insurance (75% Yield, 100% Price)	1	acre	\$9.60	\$9.60	\$9.60	
Interest on operating capital			7.61%	\$4.93	\$4.93	
Subtotal				\$196.61	\$196.61	
Ownership costs (excludes cost of land)				\$99.10	\$99.10	
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$88.85	\$88.85	\$88.85	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
Total costs				\$295.71	\$295.71	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$250.59	\$250.59	
Above total listed costs				\$151.49	\$151.49	

Breakeven Table - Wheat

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$3.28	\$3.78	\$4.28	\$4.78	\$5.28
81.00	\$106.54	\$147.04	\$187.54	\$228.04	\$268.54
86.00	\$122.55	\$165.55	\$208.55	\$251.55	\$294.55
91.00	\$138.57	\$184.07	\$229.57	\$275.07	\$320.57
96.00	\$154.59	\$202.59	\$250.59	\$298.59	\$346.59
101.00	\$170.60	\$221.10	\$271.60	\$322.10	\$372.60
106.00	\$186.62	\$239.62	\$292.62	\$345.62	\$398.62
111.00	\$202.64	\$258.14	\$313.64	\$369.14	\$424.64

Assumptions

1. Grain planted in March and harvested in July.
2. Interest computed on planting costs for 10 months and fertilization/herbicide/irrigation costs for 4 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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