

Costs and Returns per acre from growing soft white wheat, 2006

Duchesne County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value
Receipts					
Wheat	72.0	bushels	\$4.28	\$308.40	\$308.40
Straw	0.50	tons	\$48.00	\$24.00	\$24.00
	Subtotal			\$332.40	\$332.40
Operating costs					
Land preparation					
Plowing	1	acre	\$5.88	\$5.88	\$5.88
Roller harrow	1	acre	\$3.64	\$3.64	\$3.64
Planting	3	acre	\$2.96	\$7.41	\$7.41
Seed	100	pounds	\$0.17	\$17.00	\$17.00
Fertilization					
Nitrogen 100 lb/ac (34-0-0)	275	pounds	\$0.18	\$49.09	\$49.09
Phosphate 30 lb/ac (11-50-2)	60	pounds	\$0.18	\$10.71	\$10.71
Custom application	1	acre	\$7.82	\$7.82	\$7.82
Pesticides/herbicides					
Harmony Xtra	0.50	ounce	\$14.15	\$7.08	\$7.08
Custom application	1	acre	\$7.82	\$7.82	\$7.82
Irrigation (wheel line)					
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	\$26.00	\$26.00	\$26.00
Haul grain (custom)	72.0	bushel	\$0.06	\$4.32	\$4.32
Baling	0.50	tons	\$4.79	\$2.40	\$2.40
Haul/stack straw	0.50	tons	\$3.63	\$1.82	\$1.82
Crop insurance (75% Yield, 100% Price)	1	acre	\$9.51	\$9.51	\$9.51
Interest on operating capital				7.61%	\$4.73
	Subtotal			\$184.17	\$185.88
Ownership costs (excludes cost of land)					
Insurance	1	acre	\$2.00	\$2.00	\$2.00
Machinery ownership costs	1	acre	\$0.00	\$0.00	\$0.00
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25
	Total costs			\$194.42	\$196.13
Net returns to owner for unpaid labor, management, equity and risk					
Above operating costs					\$148.23
Above total costs					\$137.98
					\$146.52
					\$136.27

Break-even Table - Barley

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)			
	\$3.28	\$3.78	\$4.28	\$4.78
57.00	\$27.88	\$56.38	\$84.88	\$113.38
62.00	\$43.99	\$74.99	\$105.99	\$136.99
67.00	\$60.11	\$93.61	\$127.11	\$160.61
72.00	\$76.23	\$112.23	\$148.23	\$184.23
77.00	\$92.34	\$130.84	\$169.34	\$207.84
82.00	\$108.46	\$149.46	\$190.46	\$231.46
87.00	\$124.58	\$168.08	\$211.58	\$255.08

Assumptions