

Sensitivity Analysis of WHEAT FOR GRAIN, CONVENTIONAL

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		41.25	49.5	55	60.5	68.75
\$	4.50	\$ (72.97)	\$ (35.85)	\$ (11.10)	\$ 13.65	\$ 50.78
\$	4.75	\$ (62.66)	\$ (23.47)	\$ 2.65	\$ 28.78	\$ 67.96
\$	5.00	\$ (52.35)	\$ (11.10)	\$ 16.40	\$ 43.90	\$ 85.15
\$	5.25	\$ (42.04)	\$ 1.28	\$ 30.15	\$ 59.03	\$ 102.34
\$	5.50	\$ (31.72)	\$ 13.65	\$ 43.90	\$ 74.15	\$ 119.53

ESTIMATED LABOR AND MACHINERY COSTS PER ACRE

PREHARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Disk Harrow 32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.12	3.26	
Chisel Plow (Rigid) 24' with Tractor (180-199 hp)-MFWD 190	12.982	1.00	0.08	0.75	0.87	2.44	
Grain Drill 15' with Tractor (180-199 hp)-MFWD 190	7.955	1.00	0.13	1.23	2.26	6.33	
Spray (Broadcast) 60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.26	0.63	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor				0.292 \$	2.77 \$	4.51 \$	12.67

HARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Header Wheat/Sorghum 22' Rigid with Combine (200-249 hp) 240hp	9.015	1.000	0.111	1.37	2.05	12.99	
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	0.60	2.46	
Total Harvest Fuel, Repairs, Fixed Costs, and Labor				0.205 \$	2.00 \$	2.65 \$	15.44

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