

Sensitivity Analysis of WHEAT FOR GRAIN, INTENSIVE MANAGEMENT

NET RETURNS ABOVE VARIABLE COSTS PER ACRE						
Varying Prices and Yield (Bushels)						
		-25%	-10%	Average	+10%	+25%
		56.25	67.5	75	82.5	93.75
\$	4.50	\$ (139.67)	\$ (89.05)	\$ (55.30)	\$ (21.55)	\$ 29.08
\$	4.75	\$ (125.61)	\$ (72.17)	\$ (36.55)	\$ (0.92)	\$ 52.51
\$	5.00	\$ (111.55)	\$ (55.30)	\$ (17.80)	\$ 19.70	\$ 75.95
\$	5.25	\$ (97.49)	\$ (38.42)	\$ 0.95	\$ 40.33	\$ 99.39
\$	5.50	\$ (83.42)	\$ (21.55)	\$ 19.70	\$ 60.95	\$ 122.83

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)	
Plow 4 Bottom Switch6' with Tractor (180-199 hp)-MFWD 190	2.327	1.00	0.43	4.20	5.19	15.66	
Disk Harrow24' with Tractor (180-199 hp)-MFWD 190	12.218	2.00	0.16	1.60	2.62	7.62	
Grain Drill15' 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	2.00	0.06	0.38	0.52	1.26	
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.776	\$ 7.41	\$ 10.59	\$ 30.88	

HARVEST OPERATIONS							
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)	
Header Wheat/Sorghum22' 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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