



Northeastern Colorado-Irrigated Winter Wheat

Estimated Production Costs & Returns

2015

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per BU	YOUR FARM
HARD RED WINTER WHEAT	BU	\$4.89	105.0	\$513.45	\$4.89	
Total Receipts				\$513.45	\$4.89	\$0

DIRECT COSTS

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per BU	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	28.88	1.00	28.88	0.28	
FERTILIZER	DOLS	48.25	1.00	48.25	0.46	
IRRIGATION ENERGY	DOLS	47.56	1.00	47.56	0.45	
IRRIGATION REPAIRS	DOLS	11.26	1.00	11.26	0.11	
CROP INSURANCE	DOLS	55.00	1.00	55.00	0.52	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	0.67	
FUEL & OIL	DOLS	6.76	1.00	6.76	0.06	
REPAIR & MAINTENANCE	DOLS	4.92	1.00	4.92	0.05	
LABOR	DOLS	2.00	1.00	2.00	0.02	
INTEREST EXPENSE ²	DOLS	9.61	1.00	9.61	0.09	
Total Pre-Harvest Expenses				284.24	2.71	\$0
<i>HARVEST COSTS</i>						
FUEL	DOLS	5.52	1.00	5.52	0.05	
REPAIR & MAINTENANCE	DOLS	3.25	1.00	3.25	0.03	
LABOR	DOLS	1.66	1.00	1.66	0.02	
HAULING ¹	DOLS	21.00	1.00	21.00	0.20	
Total Harvest Costs				31.43	0.30	
Total Operating Costs				315.67	3.01	\$0
<i>PROPERTY & OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	32.29	1.00	32.29	0.31	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.10	
REAL ESTATE TAXES	DOLS	15.42	1.00	15.42	0.15	
Total Property & Ownership Costs				57.71	0.55	\$0
Total Direct Costs				373.38	3.56	\$0
NET RECEIPTS BEFORE FACTOR PAYMENTS				140.07	1.33	\$0
<i>FACTOR PAYMENTS</i>						
Land @ 4%				200.00	1.90	
RETURN TO MANAGEMENT & RISK				(59.93)	(0.57)	\$0

¹ Hauling Machinery & Labor Charges = \$0.20/Brushel

² Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/BU				
		-25%	-10%	\$4.89	+10%	+25%
ALTERNATIVE YIELDS		\$ 3.67	\$ 4.40	\$ 4.89	\$ 5.38	\$ 6.11
-25%	78.75	(\$84.56)	(\$26.80)	\$11.71	\$50.22	\$107.98
-10%	94.50	(\$26.80)	\$42.51	\$88.73	\$134.94	\$204.25
BUSHEL	105.00	\$11.71	\$88.73	\$140.07	\$191.42	\$268.43
+10%	115.50	\$50.22	\$134.94	\$191.42	\$247.89	\$332.61
+25%	131.25	\$107.98	\$204.25	\$268.43	\$332.61	\$428.89