



Western - Grain Corn (Furrow Irrigated)

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION						
GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER BU	YOUR FARM
Corn	bu	\$3.70	174	\$644	\$3.70	
Other						
Total Receipts				\$644		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER BU	YOUR FARM
OPERATING PREHARVEST						
Tillage						
Disk	acre	16.00	2	32.00	0.18	
Plow	acre	19.00	1	19.00	0.11	
Roller Harrow	acre	15.00	1	15.00	0.09	
Seed (certified)	dollars	115.00	1	115.00	0.66	
Plant	dollars	20.00	1	20.00	0.11	
Fertilizer						
N + P + K	dollars	102.06	1	102.06	0.59	
Custom Application	dollars	7.00	1	7.00	0.04	
Sidedress	dollars	15.00	1	15.00	0.09	
Custom Application	dollars	10.00	1	10.00	0.06	
Herbicide (roundup)	dollars	7.00	2	14.00	0.08	
Custom Application	acre	15.00	2	30.00	0.17	
Insecticide	dollars	32.00	1	32.00	0.18	
Custom Application	acre	15.00	1	15.00	0.09	
Irrigation						
Water Assessment	dollars	33.00	1	33.00	0.19	
Labor	dollars	30.00	1	30.00	0.17	
Crop Insurance	dollars	28.00	1	28.00	0.16	
Fuel	dollars	25.00	1	25.00	0.14	
Repairs & Maintenance	dollars	12.32	1	12.32	0.07	
Interest Expense (6 months @ 6%)	dollars	16.63	1	16.63	0.10	
Total Pre-Harvest Expenses				\$571.01	\$3.28	\$0.00
HARVEST COSTS						
Custom Harvest	bu	0.25	174	43.50	0.25	
Hauling	bu	0.25	174	43.50	0.25	
Total Harvest Costs				\$87.00	\$0.50	\$0.00
Total Operating Costs				\$658.01	\$3.78	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	55.00	1	55.00	0.32	
Depreciation	dollars	10.00	1	10.00	0.06	
Real Estate Taxes	dollars	19.30	1	19.30	0.11	
Total Property & Ownership Costs				\$84.30	\$0.48	\$0.00
TOTAL DIRECT COSTS				\$742.31	\$4.27	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				(\$98.51)	(\$0.57)	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	1.15	
RETURN TO MANAGEMENT & RISK				(\$298.51)	(\$1.72)	\$0.00

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

		ALTERNATIVE PRICES (\$/bu)				
		-25%	-10%	10%	25%	
ALTERNATIVE YIELDS		\$2.78	\$3.33	\$3.70	\$4.07	\$4.63
-25%	130.5	(\$380.17)	(\$307.75)	(\$259.46)	(\$211.18)	(\$138.75)
-10%	156.6	(\$307.75)	(\$220.83)	(\$162.89)	(\$104.95)	(\$18.04)
BU PER ACRE	174.0	(\$259.46)	(\$162.89)	(\$98.51)	(\$34.13)	\$62.44
	191.4	(\$211.18)	(\$104.95)	(\$34.13)	\$36.69	\$142.91
	217.5	(\$138.75)	(\$18.04)	\$62.44	\$142.91	\$263.63