



Northeastern Colorado - Irrigated Corn

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER BU	YOUR FARM
Corn	bu	\$3.66	240	\$878	\$3.66	
Title 1 Farm Bill payments were not included due to great variability over the geographic area covered by this budget						
Total Receipts				\$878		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER BU	YOUR FARM
OPERATING PREHARVEST						
Seed						
Seed	acre	124.86	1.00	124.86	0.52	
Fertilizer						
N + P	dollars	92.24	1	92.24	0.38	
Custom Application	acre	8.00	1	8.00	0.03	
Herbicide						
Chemicals	dollars	26.35	1	26.35	0.11	
Insecticide & Fungicide						
Chemicals	dollars	21.07	1	21.07	0.09	
Irrigation						
Sprinkler Ownership	dollars	70.00	1	70.00	0.29	
Sprinkler Energy	acre	65.00	1	65.00	0.27	
Irrigation Repairs	dollars	65.07	1	65.07	0.27	
Labor	hours	8.40	1	8.40	0.04	
Crop Consultant	acre	12.00	1	12.00	0.05	
Crop Insurance	dollars	44.50	1	44.50	0.19	
Fuel	dollars	12.65	1	12.65	0.05	
Repairs & Maintenance	dollars	7.61	1	7.61	0.03	
Interest (6 months @ 6.0%)	dollars	17.48	1	17.48	0.07	
Total Pre-Harvest Expenses				\$575.23	\$2.40	\$0.00
HARVEST COSTS						
Fuel	dollars	4.12	1	4.12	0.02	
Repair & Maintenance	dollars	5.09	1	5.09	0.02	
Labor	dollars	1.66	1	1.66	0.01	
Hauling	bu	50.00	1	50.00	0.21	
Total Harvest Costs				\$60.87	\$0.25	\$0.00
Total Operating Costs				\$636.10	\$2.65	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	10.00	1	10.00	0.04	
Machinery Ownership Costs	dollars	52.79	1	52.79	0.22	
Real Estate Taxes	dollars	15.42	1	15.42	0.06	
Total Property & Ownership Costs				\$78.21	\$0.33	\$0.00
TOTAL DIRECT COSTS				\$714.31	\$2.98	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$164.09	\$0.68	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	0.83	
RETURN TO MANAGEMENT & RISK				(\$35.91)	(\$0.15)	\$0.00

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/bushel)				
		-25%	-10%	10%	25%	
		\$2.75	\$3.29	\$3.66	\$4.03	\$4.58
-25%	180.00	(\$220.21)	(\$121.39)	(\$55.51)	\$10.37	\$109.19
-10%	216.00	(\$121.39)	(\$2.81)	\$76.25	\$155.31	\$273.89
	240.00	(\$55.51)	\$76.25	\$164.09	\$251.93	\$383.69
10%	264.00	\$10.37	\$155.31	\$251.93	\$348.55	\$493.49
25%	300.00	\$109.19	\$273.89	\$383.69	\$493.49	\$658.19