



South Platte Valley - Irrigated Corn

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER BU	YOUR FARM
Corn	bu	\$3.64	255	\$928	\$3.64	
Title 1 Farm Bill payments were not included due to great variability over the geographic area covered by this budget						
Total Receipts				\$928		\$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	0.49	
Fertilizer						
N + P	dollars	93.24	1	93.24	0.37	
Custom Application	acre	8.00	1	8.00	0.03	
Herbicide						
Chemicals	dollars	27.91	1	27.91	0.11	
Insecticide & Fungicide						
Chemicals	dollars	23.21	1	23.21	0.09	
Irrigation						
Sprinkler Ownership	dollars	70.00	1	70.00	0.27	
Sprinkler Energy	acre	58.70	1	58.70	0.23	
Irrigation Repairs	dollars	11.26	1	11.26	0.04	
Labor	hours	6.01	1	6.01	0.02	
Crop Consultant	acre	12.00	1	12.00	0.05	
Crop Insurance	dollars	48.50	1	48.50	0.19	
Fuel	dollars	12.18	1	12.18	0.05	
Repairs & Maintenance	dollars	9.85	1	9.85	0.04	
Interest (6 months @ 6.0%)	dollars	17.09	1	17.09	0.07	
Total Pre-Harvest Expenses				\$522.81	\$2.05	\$0.00
HARVEST COSTS						
Fuel	dollars	4.56	1	4.56	0.02	
Repair & Maintenance	dollars	5.44	1	5.44	0.02	
Labor	dollars	1.66	1	1.66	0.01	
Hauling	bu	33.63	1	33.63	0.13	
Total Harvest Costs				\$45.29	\$0.18	\$0.00
Total Operating Costs				\$568.10	\$2.23	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	10.00	1	10.00	0.04	
Machinery Ownership Costs	dollars	54.94	1	54.94	0.22	
Real Estate Taxes	dollars	13.25	1	13.25	0.05	
Total Property & Ownership Costs				\$78.19	\$0.31	\$0.00
TOTAL DIRECT COSTS				\$646.29	\$2.53	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$281.91	\$1.11	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	0.78	
RETURN TO MANAGEMENT & RISK				\$81.91	\$0.32	\$0.00

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/bushel)				
		-25%	-10%	10%	25%	
		\$2.73	\$3.28	\$3.64	\$4.00	\$4.55
-25%	191.25	(\$124.18)	(\$19.75)	\$49.86	\$119.48	\$223.90
-10%	229.50	(\$19.76)	\$105.55	\$189.09	\$272.63	\$397.94
BUSHEL PER ACRE	255.00	\$49.86	\$189.09	\$281.91	\$374.73	\$513.96
	10%	\$119.48	\$272.63	\$374.73	\$476.83	\$629.99
	25%	\$223.90	\$397.94	\$513.96	\$629.99	\$804.02