



South Platte Valley - Irrigated Sugar Beets

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER BU	YOUR FARM
Sugar Beets	ton	\$36.00	33	\$1,188	\$36.00	
Other						
Total Receipts				\$1,188		\$0

DIRECT COSTS

	UNIT	COST PER		PER ACRE	PER BU	YOUR FARM
		UNIT	QUANTITY			
OPERATING PREHARVEST						
Seed						
Seed	acre	84.94	1.00	84.94	2.57	
Fertilizer						
N + P	dollars	95.16	1	95.16	2.88	
Custom Aerial Spray	acre	8.00	2	16.00	0.48	
Herbicide						
Chemicals	dollars	94.09	1	94.09	2.85	
Insecticide & Fungicide						
Chemicals	dollars	67.56	1	67.56	2.05	
Irrigation						
Sprinkler Ownership	dollars	70.00	1	70.00	2.12	
Sprinkler Energy	acre	55.40	1	55.40	1.68	
Irrigation Repairs	dollars	10.24	1	10.24	0.31	
Labor	hours	10.96	1	10.96	0.33	
Crop Consultant	acre	12.00	1	12.00	0.36	
Crop Insurance	dollars	65.00	1	65.00	1.97	
Fuel	dollars	20.16	1	20.16	0.61	
Repairs & Maintenance	dollars	14.46	1	14.46	0.44	
Retained Revenue & Dues	dollars	50.48	1	50.48	1.53	
Interest (6 months @ 6.0%)	dollars	24.68	1	24.68	0.75	
Total Pre-Harvest Expenses				\$691.13	\$20.94	\$0.00
HARVEST COSTS						
Fuel	dollars	18.24	1	18.24	0.55	
Repair & Maintenance	dollars	91.76	1	91.76	2.78	
Labor	dollars	9.00	1	9.00	0.27	
Hauling	bu	165.71	1	165.71	5.02	
Total Harvest Costs				\$284.71	\$8.63	\$0.00
Total Operating Costs				\$975.84	\$29.57	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	30.00	1	30.00	0.91	
Machinery Ownership Costs	dollars	135.10	1	135.10	4.09	
Payment on Coop Shares	dollars	43.92	1	43.92	1.33	
Real Estate Taxes	dollars	13.25	1	13.25	0.40	
Total Property & Ownership Costs				\$222.27	\$6.74	\$0.00
TOTAL DIRECT COSTS				\$1,198.11	\$36.31	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				(\$10.11)	(\$0.31)	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	6.06	
RETURN TO MANAGEMENT & RISK				(\$210.11)	(\$6.37)	\$0.00

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/bushel)				
		-25%	-10%	10%	25%	
		\$27.00	\$32.40	\$36.00	\$39.60	\$45.00
-25%	24.75	(\$529.86)	(\$396.21)	(\$307.11)	(\$218.01)	(\$84.36)
-10%	29.70	(\$396.21)	(\$235.83)	(\$128.91)	(\$21.99)	\$138.39
BUSHELS PER ACRE	33.00	(\$307.11)	(\$128.91)	(\$10.11)	\$108.69	\$286.89
	10%	36.30	(\$218.01)	(\$21.99)	\$108.69	\$239.37
	25%	41.25	(\$84.36)	\$138.39	\$286.89	\$435.39
					\$435.39	\$658.14