



Northeastern Colorado - 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	83.03	1	83.03	2.52	
Custom Aerial Spray	acre	8.00	1	8.00	0.24	
Herbicide						
Chemicals	dollars	113.28	1	113.28	3.43	
Custom Application	acre	7.00	1	7.00	0.21	
Insecticide & Fungicide						
Chemicals	dollars	36.72	1	36.72	1.11	
Irrigation						
Sprinkler Ownership	dollars	70.00	1	70.00	2.12	
Sprinkler Energy	acre	106.78	1	106.78	3.24	
Irrigation Repairs	dollars	11.26	1	11.26	0.34	
Labor	hours	9.79	1	9.79	0.30	
Crop Consultant	acre	12.00	1	12.00	0.36	
Crop Insurance	dollars	57.00	1	57.00	1.73	
Fuel	dollars	16.10	1	16.10	0.49	
Repairs & Maintenance	dollars	12.48	1	12.48	0.38	
Interest (6 months @ 6.0%)	dollars	22.11	1	22.11	0.67	
Total Pre-Harvest Expenses				\$650.49	\$19.71	\$0.00
HARVEST COSTS						
Fuel	dollars	21.3	1	21.30	0.65	
Repair & Maintenance	dollars	90.34	1	90.34	2.74	
Labor	dollars	9.00	1	9.00	0.27	
Hauling	bu	158.32	1	158.32	4.80	
Total Harvest Costs				\$278.96	\$8.45	\$0.00
Total Operating Costs				\$929.45	\$28.17	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	30.00	1	30.00	0.91	
Machinery Ownership Costs	dollars	132.23	1	132.23	4.01	
Payment on Coop Shares	dollars	43.92	1	43.92	1.33	
Real Estate Taxes	dollars	15.42	1	15.42	0.47	
Total Property & Ownership Costs				\$221.57	\$6.71	\$0.00
TOTAL DIRECT COSTS				\$1,151.02	\$34.88	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$36.98	\$1.12	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	6.06	
RETURN TO MANAGEMENT & RISK				(\$163.02)	(\$4.94)	\$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	(\$482.77)	(\$349.12)	(\$260.02)	(\$170.92)	(\$37.27)
-10%	29.70	(\$349.12)	(\$188.74)	(\$81.82)	\$25.10	\$185.48
BUSHEL PER ACRE	33.00	(\$260.02)	(\$81.82)	\$36.98	\$155.78	\$333.98
	10%	36.30	(\$170.92)	\$25.10	\$155.78	\$286.46
	25%	41.25	(\$37.27)	\$185.48	\$333.98	\$482.48
						\$705.23