



Northeastern Colorado - Irrigated Pinto Beans

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION						
GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER CWT	YOUR FARM
Pinto Beans	cwt	\$33.15	35	\$1,160	\$33.15	
Other						
Total Receipts				\$1,160		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER BU	YOUR FARM
OPERATING PREHARVEST						
Seed						
Seed	acre	51.41	1.00	51.41	1.47	
Fertilizer						
N + P	dollars	90.24	1	90.24	2.58	
Custom Aerial Spray	acre	8.00	1	8.00	0.23	
Herbicide						
Chemicals	dollars	34.53	1	34.53	0.99	
Custom Application	acre	8.00	1	8.00	0.23	
Insecticide & Fungicide						
Chemicals	dollars	32.92	1	32.92	0.94	
Irrigation						
Sprinkler Ownership	dollars	70.00	1	70.00	2.00	
Sprinkler Energy	acre	52.44	1	52.44	1.50	
Irrigation Repairs	dollars	11.26	1	11.26	0.32	
Labor	hours	3.65	1	3.65	0.10	
Crop Consultant	acre	12.00	1	12.00	0.34	
Crop Insurance	dollars	29.17	1	29.17	0.83	
Fuel	dollars	7.73	1	7.73	0.22	
Repairs & Maintenance	dollars	5.37	1	5.37	0.15	
Interest (6 months @ 6.0%)	dollars	14.44	1	14.44	0.41	
Total Pre-Harvest Expenses				\$431.16	\$12.32	\$0.00
HARVEST COSTS						
Fuel	dollars	15.51	1	15.51	0.44	
Repair & Maintenance	dollars	8.51	1	8.51	0.24	
Labor	dollars	6.06	1	6.06	0.17	
Hauling	bu	8.05	1	8.05	0.23	
Total Harvest Costs				\$38.13	\$1.09	\$0.00
Total Operating Costs				\$469.29	\$13.41	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	10.00	1	10.00	0.29	
Machinery Ownership Costs	dollars	60.03	1	60.03	1.72	
Real Estate Taxes	dollars	15.42	1	15.42	0.44	
Total Property & Ownership Costs				\$85.45	\$2.44	\$0.00
TOTAL DIRECT COSTS				\$554.74	\$15.85	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$605.51	\$17.30	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	5.71	
RETURN TO MANAGEMENT & RISK				\$405.51	\$11.59	\$0.00

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

		ALTERNATIVE PRICES (\$/bushel)				
		-25%	-10%	10%	25%	
ALTERNATIVE YIELDS		\$24.86	\$29.84	\$33.15	\$36.47	\$41.44
-25%	26.25	\$97.90	\$228.43	\$315.45	\$402.47	\$532.99
-10%	31.50	\$228.43	\$385.06	\$489.49	\$593.91	\$750.54
BUSHELS PER ACRE	35.00	\$315.45	\$489.49	\$605.51	\$721.54	\$895.57
10%	38.50	\$402.47	\$593.91	\$721.54	\$849.16	\$1,040.60
25%	43.75	\$532.99	\$750.54	\$895.57	\$1,040.60	\$1,258.15