



**Northeastern Colorado-Irrigated Pinto Beans**

Estimated Production Costs & Returns

**2015**

**GROSS RECEIPTS FROM PRODUCTION**

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per CWT	YOUR FARM
PINTO BEANS	CWT	\$26.50	35.0	\$927.50	\$26.50	
<b>Total Receipts</b>				<b>\$927.50</b>	<b>\$26.50</b>	<b>\$0</b>

**DIRECT COSTS**

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per CWT	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	49.92	1.00	49.92	1.43	
FERTILIZER	DOLS	93.03	1.00	93.03	2.66	
HERBICIDE	DOLS	35.60	1.00	35.60	1.02	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.20	
INSECTICIDE	DOLS	7.65	1.00	7.65	0.22	
FUNGICIDE	DOLS	26.29	1.00	26.29	0.75	
IRRIGATION ENERGY	DOLS	51.42	1.00	51.42	1.47	
IRRIGATION REPAIR	DOLS	11.26	1.00	11.26	0.32	
CROP INSURANCE	DOLS	28.60	1.00	28.60	0.82	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.00	
CUSTOM AERIAL APPLICATION	DOLS	8.00	1.00	8.00	0.23	
CROP CONSULTANT	DOLS	7.00	1.00	7.00	0.20	
FUEL	DOLS	7.73	1.00	7.73	0.22	
REPAIR & MAINTENANCE	DOLS	5.37	1.00	5.37	0.15	
LABOR	DOLS	3.65	1.00	3.65	0.10	
INTEREST EXPENSE <sup>2</sup>	DOLS	14.44	1.00	14.44	0.41	
<b>Total Pre-Harvest Expenses</b>				<b>426.96</b>	<b>12.20</b>	<b>\$0</b>

*HARVEST COSTS*

FUEL	DOLS	15.59	1.00	15.59	0.45	
REPAIR & MAINTENANCE	DOLS	8.51	1.00	8.51	0.24	
LABOR	DOLS	6.06	1.00	6.06	0.17	
HAULING <sup>1</sup>	DOLS	8.05	1.00	8.05	0.23	
<b>Total Harvest Costs</b>				<b>38.21</b>	<b>1.09</b>	

**Total Operating Costs**

**465.17 13.29 \$0**

*PROPERTY & OWNERSHIP COSTS*

MACHINERY OWNERSHIP COSTS	DOLS	60.03	1.00	60.03	1.72	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.29	
REAL ESTATE TAXES	DOLS	15.42	1.00	15.42	0.44	
<b>Total Property &amp; Ownership Costs</b>				<b>85.45</b>	<b>2.44</b>	<b>\$0</b>

**Total Direct Costs**

**550.62 15.73 \$0**

**NET RECEIPTS BEFORE FACTOR PAYMENTS**

**376.88 \$10.77 \$0**

FACTOR PAYMENTS

Land @ 4%				200.00	5.71	
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**RETURN TO MANAGEMENT & RISK**

**176.88 5.05 \$0**

<sup>1</sup> Hauling Machinery & Labor Charges=\$0.23/CWT

<sup>2</sup> Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

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

		ALTERNATIVE PRICES				
		\$/CWT				
ALTERNATIVE YIELDS		-25%	-10%	+10%	+25%	
		\$ 19.88	\$ 23.85	\$ 26.50	\$ 29.15	
-25%	26.25	(\$28.90)	\$75.44	\$145.01	\$214.57	\$318.91
-10%	31.50	\$75.44	\$200.66	\$284.13	\$367.61	\$492.82
CWT	35.00	\$145.01	\$284.13	\$376.88	\$469.63	\$608.76
+10%	38.50	\$214.57	\$367.61	\$469.63	\$571.66	\$724.69
+25%	43.75	\$318.91	\$492.82	\$608.76	\$724.69	\$898.60