

Table 4. 2013 Estimated Production Costs and Returns - Irrigated Pinto Beans in Northeastern Colorado

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
PINTO BEANS	CWT	36.66	18.19	666.85		
TOTAL RECEIPTS				666.85	36.66	
Direct Costs						
Operating Preharvest						
SEED	DOLS	49.92	1.00	49.92	2.74	
FERTILIZER	DOLS	108.18	1.00	108.18	5.95	
HERBICIDE	DOLS	35.60	1.00	35.60	1.96	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.38	
INSECTICIDE	DOLS	7.65	1.00	7.65	0.42	
FUNGICIDE	DOLS	26.29	1.00	26.29	1.45	
IRRIGATION ENERGY	DOLS	46.94	1.00	46.94	2.58	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.56	
CROP INSURANCE	DOLS	28.60	1.00	28.60	1.57	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	3.85	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.44	
CROP CONSULTANT	DOLS	7.00	1.00	7.00	0.38	
FUEL	DOLS			11.10	0.61	
REPAIR & MAINTENANCE	DOLS			5.37	0.30	
LABOR	DOLS			3.65	0.20	
INTEREST EXPENSE ²	DOLS			14.89	0.82	
Total Preharvest	DOLS			440.43	24.21	
Operating Harvest						
FUEL	DOLS			22.36	1.23	
REPAIR & MAINTENANCE	DOLS			8.51	0.47	
LABOR	DOLS			6.06	0.33	
HAULING ¹	DOLS			4.18	0.23	
Total Harvest				41.11	2.26	
Total Operating Costs				481.55	26.47	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			60.03	3.30	
GENERAL FARM OVERHEAD	DOLS			10.00	0.55	
REAL ESTATE TAXES	DOLS			15.42	0.85	
Total Property and Ownership Costs	DOLS			85.45	4.70	
TOTAL DIRECT COSTS:				567.00	31.17	
NET RECEIPTS BEFORE FACTOR PAYMENTS				99.85	5.49	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			162.50	8.93	
RETURN TO MANAGEMENT AND RISK	DOLS			-62.65	-3.44	

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

2 Interest on Operating Capital is Included in Pre-Harvest Operating Costs, Calculated at 7%

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

		ALTERNATIVE PRICES								
		\$/CWT								
		-25%	-10%		+10%	+25%				
		\$ 27.50	\$ 32.99	\$ 36.66	\$ 40.33	\$ 45.83				
ALTERNATIVE YIELDS	-25%	13.6	\$(191.90)	\$(116.88)	\$(66.86)	\$(16.85)	\$ 58.17			
	-10%	16.4	\$(116.88)	\$(26.85)	\$ 33.16	\$ 93.18	\$ 183.20			
	CWT	18.2	\$ (66.86)	\$ 33.16	\$ 99.85	\$ 166.53	\$ 266.56			
	+10%	20.0	\$ (16.85)	\$ 93.18	\$ 166.53	\$ 239.89	\$ 349.91			
	+25%	22.7	\$ 58.17	\$ 183.20	\$ 266.56	\$ 349.91	\$ 474.95			