

Table 4. 2007 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	28.30	26.06	737.50		
TOTAL RECEIPTS				737.50	28.30	
Direct Costs						
Operating Preharvest						
SEED	DOLS	33.45	1.00	33.45	1.28	
FERTILIZER	DOLS	56.33	1.00	56.33	2.16	
HERBICIDE	DOLS	30.83	1.00	30.83	1.18	
CUSTOM APPLICATION	DOLS	5.25	1.00	5.25	0.20	
INSECTICIDE	DOLS	6.36	1.00	6.36	0.24	
FUNGICIDE	DOLS	18.93	1.00	18.93	0.73	
IRRIGATION ENERGY	DOLS	44.59	1.00	44.59	1.71	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.38	
CROP INSURANCE	DOLS	8.92	1.00	8.92	0.34	
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.30	
CUSTOM AERIAL SPRAY	DOLS	7.00	1.00	7.00	0.27	
CROP CONSULTANT	DOLS	6.00	1.00	6.00	0.23	
FUEL	DOLS			8.52	0.33	
REPAIR & MAINTENANCE	DOLS			4.78	0.18	
LABOR	DOLS			3.28	0.13	
INTEREST EXPENSE ²	DOLS			10.65	0.41	
Total Preharvest	DOLS			314.89	12.08	
Operating Harvest						
FUEL	DOLS			15.52	0.60	
REPAIR & MAINTENANCE	DOLS			7.58	0.29	
LABOR	DOLS			5.44	0.21	
HAULING ¹	DOLS			5.99	0.23	
Total Harvest				34.53	1.33	
Total Operating Costs				349.42	13.41	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			55.21	2.12	
GENERAL FARM OVERHEAD	DOLS			10.00	0.38	
REAL ESTATE TAXES	DOLS			11.64	0.45	
Total Property and Ownership Costs	DOLS			76.85	2.95	
TOTAL DIRECT COSTS:				426.27	16.36	
NET RECEIPTS BEFORE FACTOR PAYMENTS				311.23	11.94	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			52.00	2.00	
RETURN TO MANAGEMENT AND RISK	DOLS			259.23	9.95	

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%	28.30	+10%	+25%
ALTERNATIVE YIELDS	-25%	\$ 21.23	\$ 25.47	\$ 28.30	\$ 31.13	\$ 35.38
	-10%	\$ (11.43)	\$ 71.54	\$ 126.85	\$ 182.16	\$ 265.13
	CWT	\$ 71.54	\$ 171.10	\$ 237.48	\$ 303.85	\$ 403.41
	26.1	\$ 126.85	\$ 237.48	\$ 311.23	\$ 384.98	\$ 495.60
	+10%	\$ 182.16	\$ 303.85	\$ 384.98	\$ 466.10	\$ 587.79
	+25%	\$ 265.13	\$ 403.41	\$ 495.60	\$ 587.79	\$ 726.07