

Table 4. 2010 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	24.00	22.50	540.00		
TOTAL RECEIPTS				540.00	24.00	
Direct Costs						
Operating Preharvest						
SEED	DOLS	39.43	1.00	39.43	1.75	
FERTILIZER	DOLS	105.81	1.00	105.81	4.70	
HERBICIDE	DOLS	34.55	1.00	34.55	1.54	
CUSTOM APPLICATION	DOLS	6.00	1.00	6.00	0.27	
INSECTICIDE	DOLS	7.00	1.00	7.00	0.31	
FUNGICIDE	DOLS	22.07	1.00	22.07	0.98	
IRRIGATION ENERGY	DOLS	45.93	1.00	45.93	2.04	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.44	
CROP INSURANCE	DOLS	12.27	1.00	12.27	0.55	
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.67	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.36	
CROP CONSULTANT	DOLS	7.00	1.00	7.00	0.31	
FUEL	DOLS			8.97	0.40	
REPAIR & MAINTENANCE	DOLS			4.99	0.22	
LABOR	DOLS			3.45	0.15	
INTEREST EXPENSE ²	DOLS			13.14	0.58	
Total Preharvest	DOLS			388.61	17.27	
Operating Harvest						
FUEL	DOLS			18.05	0.80	
REPAIR & MAINTENANCE	DOLS			7.91	0.35	
LABOR	DOLS			5.73	0.25	
HAULING ¹	DOLS			5.18	0.23	
Total Harvest				36.87	1.64	
Total Operating Costs				425.48	18.91	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			55.76	2.48	
GENERAL FARM OVERHEAD	DOLS			10.00	0.44	
REAL ESTATE TAXES	DOLS			13.11	0.58	
Total Property and Ownership Costs	DOLS			78.87	3.51	
TOTAL DIRECT COSTS:				504.35	22.42	
NET RECEIPTS BEFORE FACTOR PAYMENTS				35.65	1.58	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			120.00	5.33	
RETURN TO MANAGEMENT AND RISK	DOLS			-84.35	-3.75	

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%	
		\$ 18.00	\$ 21.60	\$ 24.00	\$ 26.40	\$ 30.00	
ALTERNATIVE YIELDS	-25%	16.9	\$(200.60)	\$(139.85)	\$(99.35)	\$(58.85)	\$ 1.90
	-10%	20.3	\$(139.85)	\$(66.95)	\$(18.35)	\$ 30.25	\$ 103.15
	CWT	22.5	\$(99.35)	\$(18.35)	\$ 35.65	\$ 89.65	\$ 170.65
	+10%	24.8	\$(58.85)	\$ 30.25	\$ 89.65	\$ 149.05	\$ 238.15
	+25%	28.1	\$ 1.90	\$ 103.15	\$ 170.65	\$ 238.15	\$ 339.40