

**Table 6. 2010 Estimated Production Costs and Returns - Irrigated Potatoes in Northeastern Colorado**

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
<b>GROSS RECEIPTS FROM PRODUCTION</b>						
POTATOES - GRADE A	CWT	11.20	345.21	3866.35		
POTATOES - GRADE B	CWT	3.70	28.56	105.67		
<b>TOTAL RECEIPTS</b>				<b>3972.02</b>	<b>10.63</b>	
<b>DIRECT COSTS</b>						
<b>Operating Harvest</b>						
SEED	DOLS	290.85	1.00	290.85	0.84	
FERTILIZER	DOLS	321.42	1.00	321.42	0.93	
HERBICIDE	DOLS	70.90	1.00	70.90	0.21	
CUSTOM APPLICATION	DOLS	6.00	1.00	6.00	0.02	
INSECTICIDE	DOLS	73.71	1.00	73.71	0.21	
FUNGICIDE	DOLS	95.35	1.00	95.35	0.28	
IRRIGATION ENERGY	DOLS	61.34	1.00	61.34	0.18	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.03	
CROP INSURANCE	DOLS	62.37	1.00	62.37	0.18	
SPRINKLER LEASE	DOLS	147.50	1.00	147.50	0.43	
CUSTOM AERIAL SPRAY	DOLS	8.00	2.00	16.00	0.05	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.02	
STORAGE	DOLS	210.00	1.00	210.00	0.61	
FUEL	DOLS			13.99	0.04	
REPAIR & MAINTENANCE	DOLS			4.86	0.01	
LABOR	DOLS			5.66	0.02	
INTEREST EXPENSE <sup>2</sup>	DOLS			48.93	0.14	
<b>Total Preharvest</b>	DOLS			<b>1446.88</b>	<b>4.19</b>	
<b>Operating Harvest</b>						
FUEL	DOLS			33.67	0.10	
REPAIR & MAINTENANCE	DOLS			68.74	0.20	
LABOR	DOLS			10.38	0.03	
HAULING <sup>1</sup>	DOLS			112.13	0.32	
<b>Total Harvest</b>				<b>224.92</b>	<b>0.65</b>	
<b>Total Operating Costs</b>				<b>1671.80</b>	<b>4.84</b>	
<b>Property and Ownership Costs</b>						
MACHINERY OWNERSHIP COSTS	DOLS			109.05	0.32	
GENERAL FARM OVERHEAD	DOLS			18.00	0.05	
REAL ESTATE TAXES	DOLS			13.11	0.04	
<b>Total Property and Ownership Costs</b>	DOLS			<b>140.16</b>	<b>0.41</b>	
<b>TOTAL DIRECT COSTS:</b>				<b>1811.96</b>	<b>5.25</b>	
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>2160.06</b>	<b>5.38</b>	
<b>FACTOR PAYMENTS</b>						
LAND @ 4.00%	DOLS			120.00	0.35	
<b>RETURN TO MANAGEMENT AND RISK</b>	DOLS			<b>2040.06</b>	<b>5.03</b>	

1 Hauling Machinery & Labor Charges = \$0.30/CWT

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

3 Capital and Labor Payments are included in Machinery Operating and Ownership Costs.

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

			<b>ALTERNATIVE PRICES</b>				
			\$/CWT				
			-25%	-10%		+10%	+25%
			\$ 8.40	\$ 10.08	\$ 11.20	\$ 12.32	\$ 14.00
ALTERNATIVE YIELDS	-25%	258.9	\$ 362.86	\$ 797.83	\$ 1,087.80	\$ 1,377.78	\$ 1,812.75
	-10%	310.7	\$ 797.83	\$ 1,319.79	\$ 1,667.76	\$ 2,015.73	\$ 2,537.69
	CWT	345.2	\$ 1,087.80	\$ 1,667.76	\$ 2,054.39	\$ 2,441.03	\$ 3,020.98
	+10%	379.7	\$ 1,377.78	\$ 2,015.73	\$ 2,441.03	\$ 2,866.33	\$ 3,504.27
	+25%	431.5	\$ 1,812.75	\$ 2,537.69	\$ 3,020.98	\$ 3,504.27	\$ 4,229.22