

**Table 22. 2011 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	10.90	312.21	3403.09		
POTATOES - GRADE B	CWT	2.43	23.37	56.79		
<b>TOTAL RECEIPTS</b>				<b>3459.88</b>	<b>10.31</b>	
<b>DIRECT COSTS</b>						
<b>Operating Harvest</b>						
SEED	DOLS	344.10	1.00	344.10	1.10	
FERTILIZER	DOLS	428.94	1.00	428.94	1.37	
HERBICIDE	DOLS	69.84	1.00	69.84	0.22	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.02	
INSECTICIDE	DOLS	76.41	1.00	76.41	0.24	
FUNGICIDE	DOLS	100.77	1.00	100.77	0.32	
IRRIGATION ENERGY	DOLS	64.10	1.00	64.10	0.21	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.03	
CROP INSURANCE	DOLS	57.53	1.00	57.53	0.18	
SPRINKLER LEASE	DOLS	147.50	1.00	147.50	0.47	
CUSTOM AERIAL SPRAY	DOLS	8.00	2.00	16.00	0.05	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.03	
STORAGE	DOLS	210.00	1.00	210.00	0.67	
FUEL	DOLS			19.01	0.06	
REPAIR & MAINTENANCE	DOLS			5.10	0.02	
LABOR	DOLS			5.74	0.02	
INTEREST EXPENSE <sup>2</sup>	DOLS			54.95	0.18	
<b>Total Preharvest</b>	DOLS			<b>1624.99</b>	<b>5.20</b>	
<b>Operating Harvest</b>						
FUEL	DOLS			45.75	0.15	
REPAIR & MAINTENANCE	DOLS			72.18	0.23	
LABOR	DOLS			10.53	0.03	
HAULING <sup>1</sup>	DOLS			100.67	0.32	
<b>Total Harvest</b>				<b>229.13</b>	<b>0.73</b>	
<b>Total Operating Costs</b>				<b>1854.13</b>	<b>5.94</b>	
<b>Property and Ownership Costs</b>						
MACHINERY OWNERSHIP COSTS	DOLS			110.14	0.35	
GENERAL FARM OVERHEAD	DOLS			18.00	0.06	
REAL ESTATE TAXES	DOLS			14.76	0.05	
<b>Total Property and Ownership Costs</b>	DOLS			<b>142.90</b>	<b>0.46</b>	
<b>TOTAL DIRECT COSTS:</b>				<b>1997.03</b>	<b>6.40</b>	
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>1462.85</b>	<b>3.91</b>	
<b>FACTOR PAYMENTS</b>						
LAND @ 4.00%	DOLS			120.00	0.38	
<b>RETURN TO MANAGEMENT AND RISK</b>	DOLS			<b>1342.85</b>	<b>3.53</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%	10.90	+10%	+25%
			\$ 8.18	\$ 9.81	\$ 10.90	\$ 11.99	\$ 13.63
ALTERNATIVE YIELDS	-25%	234.2	\$ (82.79)	\$ 300.06	\$ 555.29	\$ 810.52	\$ 1,193.37
	-10%	281.0	\$ 300.06	\$ 759.48	\$ 1,065.75	\$ 1,372.03	\$ 1,831.45
	CWT	312.2	\$ 555.29	\$ 1,065.75	\$ 1,406.06	\$ 1,746.37	\$ 2,256.84
	+10%	343.4	\$ 810.52	\$ 1,372.03	\$ 1,746.37	\$ 2,120.71	\$ 2,682.22
	+25%	390.3	\$ 1,193.37	\$ 1,831.45	\$ 2,256.84	\$ 2,682.22	\$ 3,320.30