

**Table 8. 2013 Estimated Production Costs and Returns - Irrigated Oil Sunflowers 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>					
SUNFLOWERS	CWT	19.57	28.00	547.96	
<b>TOTAL RECEIPTS</b>				<b>547.96</b>	<b>19.57</b>
<b>DIRECT COSTS:</b>					
<b>Operating Preharvest</b>					
SEED	DOLS	40.72	1.00	40.72	1.45
FERTILIZER	DOLS	32.15	1.00	32.15	1.15
HERBICIDE	DOLS	44.57	1.00	44.57	1.59
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.50
INSECTICIDE	DOLS	16.49	1.00	16.49	0.59
IRRIGATION ENERGY	DOLS	43.15	1.00	43.15	1.54
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.36
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.50
CROP INSURANCE	DOLS	37.00	1.00	37.00	1.32
CUSTOM AERIAL APPLICATION	DOLS	8.05	1.00	8.05	0.29
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.29
FUEL	DOLS			4.32	0.15
REPAIR & MAINTENANCE	DOLS			1.84	0.07
LABOR	DOLS			0.84	0.03
INTEREST EXPENSE <sup>2</sup>	DOLS			11.59	0.41
<b>Total Preharvest</b>	DOLS			<b>342.72</b>	<b>12.24</b>
<b>Operating Harvest</b>					
FUEL	DOLS			7.03	0.25
REPAIR & MAINTENANCE	DOLS			4.51	0.16
LABOR	DOLS			1.05	0.04
HAULING <sup>1</sup>	DOLS			7.00	0.25
<b>Total Harvest</b>				<b>19.59</b>	<b>0.70</b>
<b>Total Operating Costs</b>				<b>362.31</b>	<b>12.94</b>
<b>Property and Ownership Costs</b>					
MACHINERY OWNERSHIP COSTS	DOLS			18.34	0.66
GENERAL FARM OVERHEAD	DOLS			10.00	0.36
REAL ESTATE TAXES	DOLS			11.34	0.41
<b>Total Property and Ownership Costs</b>	DOLS			<b>39.68</b>	<b>1.42</b>
<b>TOTAL DIRECT COSTS:</b>				<b>401.99</b>	<b>14.36</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>145.97</b>	<b>5.21</b>
<b>FACTOR PAYMENTS</b>					
LAND @ 4.00%	DOLS			162.50	5.80
<b>RETURN TO MANAGEMENT AND RISK</b>	DOLS			<b>-16.53</b>	<b>-0.59</b>

1 Hauling Machinery & Labor Charges = \$0.25/Cwt

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

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

			ALTERNATIVE PRICES				
			\$/CWT				
			-25%	-10%		+10%	+25%
			\$ 14.68	\$ 17.61	\$ 19.57	\$ 21.53	\$ 24.46
ALTERNATIVE YIELDS	-25%	21.0	\$ (93.76)	\$ (32.12)	\$ 8.98	\$ 50.08	\$ 111.72
	-10%	25.2	\$ (32.12)	\$ 41.86	\$ 91.17	\$ 140.49	\$ 214.47
	CWT	28.0	\$ 8.98	\$ 91.17	\$ 145.97	\$ 200.77	\$ 282.96
	+10%	30.8	\$ 50.08	\$ 140.49	\$ 200.77	\$ 261.04	\$ 351.46
	+25%	35.0	\$ 111.72	\$ 214.47	\$ 282.96	\$ 351.46	\$ 454.20