

**Table 8. 2010 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	18.60	27.55	512.43	
<b>TOTAL RECEIPTS</b>				<b>512.43</b>	<b>18.60</b>
<b>DIRECT COSTS:</b>					
<b>Operating Preharvest</b>					
SEED	DOLS	27.18	1.00	27.18	0.99
FERTILIZER	DOLS	23.57	1.00	23.57	0.86
HERBICIDE	DOLS	43.91	1.00	43.91	1.59
CUSTOM APPLICATION	DOLS	6.00	2.00	12.00	0.44
INSECTICIDE	DOLS	14.05	1.00	14.05	0.51
IRRIGATION ENERGY	DOLS	40.40	1.00	40.40	1.47
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.36
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.18
CROP INSURANCE	DOLS	14.70	1.00	14.70	0.53
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			2.57	0.09
REPAIR & MAINTENANCE	DOLS			1.63	0.06
LABOR	DOLS			0.79	0.03
INTEREST EXPENSE <sup>2</sup>	DOLS			9.34	0.34
<b>Total Preharvest</b>	DOLS			<b>276.19</b>	<b>10.03</b>
<b>Operating Harvest</b>					
FUEL	DOLS			4.18	0.15
REPAIR & MAINTENANCE	DOLS			3.99	0.14
LABOR	DOLS			0.99	0.04
HAULING <sup>1</sup>	DOLS			6.89	0.25
<b>Total Harvest</b>				<b>16.05</b>	<b>0.58</b>
<b>Total Operating Costs</b>				<b>292.24</b>	<b>10.61</b>
<b>Property and Ownership Costs</b>					
MACHINERY OWNERSHIP COSTS	DOLS			16.87	0.61
GENERAL FARM OVERHEAD	DOLS			10.00	0.36
REAL ESTATE TAXES	DOLS			8.56	0.31
<b>Total Property and Ownership Costs</b>	DOLS			<b>35.43</b>	<b>1.29</b>
<b>TOTAL DIRECT COSTS:</b>				<b>327.67</b>	<b>11.89</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>184.76</b>	<b>6.71</b>
<b>FACTOR PAYMENTS</b>					
LAND @ 4.00%	DOLS			120.00	4.36
<b>RETURN TO MANAGEMENT AND RISK</b>	DOLS			<b>64.76</b>	<b>2.35</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%
			\$ 13.95	\$ 16.74	\$ 18.60	\$ 20.46	\$ 23.25
ALTERNATIVE YIELDS	-25%	20.7	\$ (39.43)	\$ 18.22	\$ 56.66	\$ 95.09	\$ 152.74
	-10%	24.8	\$ 18.22	\$ 87.40	\$ 133.52	\$ 179.64	\$ 248.82
	CWT	27.6	\$ 56.66	\$ 133.52	\$ 184.76	\$ 236.01	\$ 312.87
	+10%	30.3	\$ 95.09	\$ 179.64	\$ 236.01	\$ 292.37	\$ 376.92
	+25%	34.4	\$ 152.74	\$ 248.82	\$ 312.87	\$ 376.92	\$ 473.00