

Table 8. 2012 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
GROSS RECEIPTS FROM PRODUCTION:					
SUNFLOWERS	CWT	25.70	20.30	521.71	
TOTAL RECEIPTS				521.71	25.70
DIRECT COSTS:					
Operating Preharvest					
SEED	DOLS	40.72	1.00	40.72	2.01
FERTILIZER	DOLS	42.87	1.00	42.87	2.11
HERBICIDE	DOLS	44.57	1.00	44.57	2.20
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.69
INSECTICIDE	DOLS	16.49	1.00	16.49	0.81
IRRIGATION ENERGY	DOLS	54.62	1.00	54.62	2.69
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.49
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	3.45
CROP INSURANCE	DOLS	37.00	1.00	37.00	1.82
CUSTOM AERIAL APPLICATION	DOLS	8.05	1.00	8.05	0.40
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.39
FUEL	DOLS			4.95	0.24
REPAIR & MAINTENANCE	DOLS			1.84	0.09
LABOR	DOLS			0.84	0.04
INTEREST EXPENSE ²	DOLS			12.39	0.61
Total Preharvest	DOLS			366.34	18.05
Operating Harvest					
FUEL	DOLS			8.06	0.40
REPAIR & MAINTENANCE	DOLS			4.51	0.22
LABOR	DOLS			1.05	0.05
HAULING ¹	DOLS			5.08	0.25
Total Harvest				18.70	0.92
Total Operating Costs				385.03	18.97
Property and Ownership Costs					
MACHINERY OWNERSHIP COSTS	DOLS			18.34	0.90
GENERAL FARM OVERHEAD	DOLS			10.00	0.49
REAL ESTATE TAXES	DOLS			11.34	0.56
Total Property and Ownership Costs	DOLS			39.68	1.95
TOTAL DIRECT COSTS:				424.71	20.92
NET RECEIPTS BEFORE FACTOR PAYMENTS				97.00	4.78
FACTOR PAYMENTS					
LAND @ 4.00%	DOLS			162.50	8.00
RETURN TO MANAGEMENT AND RISK	DOLS			-65.50	-3.23

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%
			\$ 19.28	\$ 23.13	\$ 25.70	\$ 28.27	\$ 32.13
ALTERNATIVE YIELDS	-25%	15.2	\$ (131.25)	\$ (72.56)	\$ (33.43)	\$ 5.70	\$ 64.39
	-10%	18.3	\$ (72.56)	\$ (2.13)	\$ 44.83	\$ 91.78	\$ 162.21
	CWT	20.3	\$ (33.43)	\$ 44.83	\$ 97.00	\$ 149.17	\$ 227.42
	+10%	22.3	\$ 5.70	\$ 91.78	\$ 149.17	\$ 206.56	\$ 292.64
	+25%	25.4	\$ 64.39	\$ 162.21	\$ 227.42	\$ 292.64	\$ 390.46