

Table 24. 2011 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	31.70	22.40	710.08	
TOTAL RECEIPTS				710.08	31.70
DIRECT COSTS:					
Operating Preharvest					
SEED	DOLS	38.05	1.00	38.05	1.70
FERTILIZER	DOLS	41.97	1.00	41.97	1.87
HERBICIDE	DOLS	42.60	1.00	42.60	1.90
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.63
INSECTICIDE	DOLS	15.65	1.00	15.65	0.70
IRRIGATION ENERGY	DOLS	44.12	1.00	44.12	1.97
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.45
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.68
CROP INSURANCE	DOLS	25.99	1.00	25.99	1.16
CUSTOM AERIAL APPLICATION	DOLS	8.05	1.00	8.05	0.36
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.36
FUEL	DOLS			4.74	0.21
REPAIR & MAINTENANCE	DOLS			1.80	0.08
LABOR	DOLS			0.81	0.04
INTEREST EXPENSE ²	DOLS			11.05	0.49
Total Preharvest	DOLS			326.83	14.59
Operating Harvest					
FUEL	DOLS			7.72	0.34
REPAIR & MAINTENANCE	DOLS			4.40	0.20
LABOR	DOLS			1.01	0.05
HAULING ¹	DOLS			5.60	0.25
Total Harvest				18.73	0.84
Total Operating Costs				345.56	15.43
Property and Ownership Costs					
MACHINERY OWNERSHIP COSTS	DOLS			17.21	0.77
GENERAL FARM OVERHEAD	DOLS			10.00	0.45
REAL ESTATE TAXES	DOLS			10.85	0.48
Total Property and Ownership Costs	DOLS			38.06	1.70
TOTAL DIRECT COSTS:				383.62	17.13
NET RECEIPTS BEFORE FACTOR PAYMENTS				326.46	14.57
FACTOR PAYMENTS					
LAND @ 4.00%	DOLS			120.00	5.36
RETURN TO MANAGEMENT AND RISK	DOLS			206.46	9.22

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%
			\$ 23.78	\$ 28.53	\$ 31.70	\$ 34.87	\$ 39.63
ALTERNATIVE YIELDS	-25%	16.8	\$ 15.80	\$ 95.68	\$ 148.94	\$ 202.19	\$ 282.08
	-10%	20.2	\$ 95.68	\$ 191.54	\$ 255.45	\$ 319.36	\$ 415.22
	CWT	22.4	\$ 148.94	\$ 255.45	\$ 326.46	\$ 397.47	\$ 503.98
	+10%	24.6	\$ 202.19	\$ 319.36	\$ 397.47	\$ 475.57	\$ 592.74
	+25%	28.0	\$ 282.08	\$ 415.22	\$ 503.98	\$ 592.74	\$ 725.88