

Table 8. 2009 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	14.30	20.98	300.01	
TOTAL RECEIPTS				300.01	14.30
DIRECT COSTS:					
Operating Preharvest					
SEED	DOLS	31.14	1.00	31.14	1.48
FERTILIZER	DOLS	31.08	1.00	31.08	1.48
HERBICIDE	DOLS	46.53	1.00	46.53	2.22
CUSTOM APPLICATION	DOLS	6.04	2.00	12.08	0.58
INSECTICIDE	DOLS	14.17	1.00	14.17	0.68
IRRIGATION ENERGY	DOLS	40.40	1.00	40.40	1.93
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.48
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.86
CROP INSURANCE	DOLS	7.70	1.00	7.70	0.37
CUSTOM AERIAL APPLICATION	DOLS	8.05	1.00	8.05	0.38
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.38
FUEL	DOLS			2.02	0.10
REPAIR & MAINTENANCE	DOLS			1.60	0.08
LABOR	DOLS			0.78	0.04
INTEREST EXPENSE ²	DOLS			10.26	0.49
Total Preharvest	DOLS			283.81	13.53
Operating Harvest					
FUEL	DOLS			3.28	0.16
REPAIR & MAINTENANCE	DOLS			3.92	0.19
LABOR	DOLS			0.97	0.05
HAULING ¹	DOLS			5.25	0.25
Total Harvest				13.42	0.64
Total Operating Costs				297.22	14.17
Property and Ownership Costs					
MACHINERY OWNERSHIP COSTS	DOLS			16.70	0.80
GENERAL FARM OVERHEAD	DOLS			10.00	0.48
REAL ESTATE TAXES	DOLS			7.60	0.36
Total Property and Ownership Costs	DOLS			34.30	1.63
TOTAL DIRECT COSTS:				331.52	15.80
NET RECEIPTS BEFORE FACTOR PAYMENTS				-31.51	-1.50
FACTOR PAYMENTS					
LAND @ 4.00%	DOLS			52.00	2.48
RETURN TO MANAGEMENT AND RISK	DOLS			-83.51	-3.98

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

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7.5%

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

		ALTERNATIVE PRICES					
		\$/CWT					
		-25%	-10%	14.30	+10%	+25%	
		\$ 10.73	\$ 12.87	\$ 14.30	\$ 15.73	\$ 17.88	
ALTERNATIVE YIELDS	-25%	15.7	\$ (162.77)	\$ (129.01)	\$ (106.51)	\$ (84.01)	\$ (50.26)
	-10%	18.9	\$ (129.01)	\$ (88.51)	\$ (61.51)	\$ (34.51)	\$ 5.99
	CWT	21.0	\$ (106.51)	\$ (61.51)	\$ (31.51)	\$ (1.51)	\$ 43.49
	+10%	23.1	\$ (84.01)	\$ (34.51)	\$ (1.51)	\$ 31.49	\$ 81.00
	+25%	26.2	\$ (50.26)	\$ 5.99	\$ 43.49	\$ 81.00	\$ 137.25