

Table 26. 2006 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	12.50	24.78	309.75		
TOTAL RECEIPTS				309.75	12.50	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	19.20	1.00	19.20	0.77	
FERTILIZER	DOLS	26.49	1.00	26.49	1.07	
HERBICIDE	DOLS	37.64	1.00	37.64	1.52	
CUSTOM APPLICATION	DOLS	4.00	2.00	8.00	0.32	
INSECTICIDE	DOLS	12.25	1.00	12.25	0.49	
IRRIGATION ENERGY	DOLS	37.01	1.00	37.01	1.49	
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.40	
SPRINKLER LEASE	DOLS	60.00	1.00	60.00	2.42	
CROP INSURANCE	DOLS	5.40	1.00	5.40	0.22	
CUSTOM AERIAL APPLICATION	DOLS	4.50	1.00	4.50	0.18	
CROP CONSULTANT	DOLS	7.00	1.00	7.00	0.28	
FUEL	DOLS			2.33	0.09	
REPAIR & MAINTENANCE	DOLS			1.56	0.06	
LABOR	DOLS			0.75	0.03	
INTEREST EXPENSE ²	DOLS			8.12	0.33	
Total Preharvest	DOLS			240.25	9.70	
Operating Harvest						
FUEL	DOLS			3.43	0.14	
REPAIR & MAINTENANCE	DOLS			3.82	0.15	
LABOR	DOLS			0.94	0.04	
HAULING ¹	DOLS			5.70	0.23	
Total Harvest				13.89	0.56	
Total Operating Costs				254.14	10.26	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			16.70	0.67	
GENERAL FARM OVERHEAD	DOLS			10.00	0.40	
REAL ESTATE TAXES	DOLS			7.60	0.31	
Total Property and Ownership Costs	DOLS			34.30	1.38	
TOTAL DIRECT COSTS:				288.44	11.64	
NET RECEIPTS BEFORE FACTOR PAYMENTS				21.31	0.86	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			52.00	2.10	
RETURN TO MANAGEMENT AND RISK	DOLS			-30.69	-1.24	

1 Hauling Machinery & Labor Charges = \$0.23/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%
			\$ 9.38	\$ 11.25	\$ 12.50	\$ 13.75	\$ 15.63
ALTERNATIVE YIELDS	-25%	18.6	\$ (114.21)	\$ (79.36)	\$ (56.13)	\$ (32.90)	\$ 1.95
	-10%	22.3	\$ (79.36)	\$ (37.55)	\$ (9.67)	\$ 18.21	\$ 60.03
	CWT	24.8	\$ (56.13)	\$ (9.67)	\$ 21.31	\$ 52.28	\$ 98.74
	+10%	27.3	\$ (32.90)	\$ 18.21	\$ 52.28	\$ 86.35	\$ 137.46
	+25%	31.0	\$ 1.95	\$ 60.03	\$ 98.74	\$ 137.46	\$ 195.54