



Northeastern Colorado-Irrigated Oil Sunflowers

Estimated Production Costs & Returns

2015

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per CWT	YOUR FARM
SUNFLOWERS	CWT	\$20.20	19.0	\$383.80	\$20.20	
Total Receipts				\$383.80	\$20.20	\$0

DIRECT COSTS

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per CWT	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	40.72	1.00	40.72	2.14	
FERTILIZER	DOLS	27.65	1.00	27.65	1.46	
HERBICIDE	DOLS	44.57	1.00	44.57	2.35	
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.74	
INSECTICIDE	DOLS	16.49	1.00	16.49	0.87	
IRRIGATION ENERGY	DOLS	47.27	1.00	47.27	2.49	
IRRIGATION REPAIR	DOLS	11.00	1.00	11.00	0.58	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	3.68	
CROP INSURANCE	DOLS	37.00	1.00	37.00	1.95	
CUSTOM AERIAL APPLICATION	DOLS	8.05	1.00	8.05	0.42	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.42	
FUEL	DOLS	3.01	1.00	3.01	0.16	
REPAIR & MAINTENANCE	DOLS	1.84	1.00	1.84	0.10	
LABOR	DOLS	0.84	1.00	0.84	0.04	
INTEREST EXPENSE ²	DOLS	11.57	1.00	11.57	0.61	
Total Pre-Harvest Expenses				342.01	18.00	\$0
<i>HARVEST COSTS</i>						
FUEL	DOLS	4.90	1.00	4.90	0.26	
REPAIR & MAINTENANCE	DOLS	4.51	1.00	4.51	0.24	
LABOR	DOLS	1.05	1.00	1.05	0.06	
HAULING ¹	DOLS	4.75	1.00	4.75	0.25	
Total Harvest Costs				15.21	0.80	
Total Operating Costs				357.22	18.80	\$0
<i>PROPERTY & OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	18.34	1.00	18.34	0.97	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.53	
REAL ESTATE TAXES	DOLS	11.34	1.00	11.34	0.60	
Total Property & Ownership Costs				39.68	2.09	\$0
Total Direct Costs				396.90	20.89	\$0
NET RECEIPTS BEFORE FACTOR PAYMENTS				(13.10)	-\$0.69	\$0
<i>FACTOR PAYMENTS</i>						
Land @ 4%				200.00	10.53	
RETURN TO MANAGEMENT & RISK				(213.10)	(11.22)	\$0

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			
ALTERNATIVE YIELDS		-25%	-10%	+10%	+25%
		\$ 15.15	\$ 18.18	\$ 22.22	\$ 25.25
-25%	14.25	(\$181.01)	(\$137.84)	(\$109.05)	(\$80.26)
-10%	17.10	(\$137.84)	(\$86.02)	(\$51.48)	(\$16.94)
CWT	19.00	(\$109.05)	(\$51.48)	(\$13.10)	\$25.28
+10%	20.90	(\$80.27)	(\$16.94)	\$25.28	\$67.50
+25%	23.75	(\$37.09)	\$34.88	\$82.85	\$130.83
					\$202.79