



**Northeastern Colorado-Dryland Oil Sunflowers Reduced-Till in a Two-Crop in Three Year Rotation**

**Estimated Production Costs & Returns**

**2015**

**GROSS RECEIPTS FROM PRODUCTION**

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per CWT	YOUR FARM
SUNFLOWERS	CWT	\$20.00	12.0	\$240.00	\$20.00	
CROP INSURANCE INDEMNITY						
<b>Total Receipts</b>				<b>\$240.00</b>	<b>\$20.00</b>	<b>\$0</b>

**DIRECT COSTS**

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per CWT	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	26.37	1.00	26.37	2.20	
FERTILIZER	DOLS	27.39	1.00	27.39	2.28	
HERBICIDE	DOLS	42.72	1.00	42.72	3.56	
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	1.17	
INSECTICIDE	DOLS	10.59	1.00	10.59	0.88	
CROP INSURANCE	DOLS	42.00	1.00	42.00	3.50	
CUSTOM AERIAL APPLICATION	DOLS	8.00	1.00	8.00	0.67	
FUEL	DOLS	2.21	1.00	2.21	0.18	
REPAIR & MAINTENANCE	DOLS	2.07	1.00	2.07	0.17	
LABOR	DOLS	1.20	1.00	1.20	0.10	
INTEREST EXPENSE <sup>2</sup>	DOLS	6.18	1.00	6.18	0.52	
<b>Total Pre-Harvest Expenses</b>				<b>182.73</b>	<b>15.23</b>	<b>\$0</b>

*HARVEST COSTS*

FUEL	DOLS	5.40	1.00	5.40	0.45	
REPAIR & MAINTENANCE	DOLS	5.06	1.00	5.06	0.42	
LABOR	DOLS	1.57	1.00	1.57	0.13	
HAULING <sup>1</sup>	DOLS	3.00	1.00	3.00	0.25	
Total Harvest Costs				15.03	1.25	
<b>Total Operating Costs</b>				<b>197.76</b>	<b>16.48</b>	<b>\$0</b>

*PROPERTY & OWNERSHIP COSTS*

MACHINERY OWNERSHIP COSTS	DOLS	22.49	1.00	22.49	1.87	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.83	
REAL ESTATE TAXES	DOLS	2.73	1.00	2.73	0.23	
Total Property & Ownership Costs				35.22	2.94	\$0

**Total Direct Costs**

**232.98 19.42 \$0**

**NET RECEIPTS BEFORE FACTOR PAYMENTS**

**7.02 \$0.59 \$0**

FACTOR PAYMENTS

Land @ 4% <sup>3</sup>				40.00	3.33	
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**RETURN TO MANAGEMENT & RISK**

**(32.98) (2.75) \$0**

<sup>1</sup> Hauling Machinery & Labor Charges=\$0.25/CWT

<sup>2</sup> Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

<sup>3</sup> Includes allocation of fallow acres in the rotation

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES				
		\$/CWT				
		-25%	-10%	\$20.00	+10%	+25%
		\$ 15.00	\$ 18.00	\$ 20.00	\$ 22.00	\$ 25.00
-25%	9.00	(\$97.98)	(\$70.98)	(\$52.98)	(\$34.98)	(\$7.98)
-10%	10.80	(\$70.98)	(\$38.58)	(\$16.98)	\$4.62	\$37.02
CWT	12.00	(\$52.98)	(\$16.98)	\$7.02	\$31.02	\$67.02
+10%	13.20	(\$34.98)	\$4.62	\$31.02	\$57.42	\$97.02
+25%	15.00	(\$7.98)	\$37.02	\$67.02	\$97.02	\$142.02