



**Northeastern Colorado-Irrigated Sugar Beets**  
**Estimated Production Costs & Returns** **2015**

**GROSS RECEIPTS FROM PRODUCTION**

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per TON	YOUR FARM
SUGAR BEETS	TON	\$46.70	33.0	\$1,541.10	\$46.70	
<b>Total Receipts</b>				<b>\$1,541.10</b>	<b>\$46.70</b>	<b>\$0</b>

**DIRECT COSTS**

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per TON	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	82.47	1.00	82.47	2.50	
FERTILIZER	DOLS	87.40	1.00	87.40	2.65	
HERBICIDE	DOLS	116.78	1.00	116.78	3.54	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.21	
INSECTICIDE	DOLS	12.54	1.00	12.54	0.38	
FUNGICIDE	DOLS	25.32	1.00	25.32	0.77	
IRRIGATION ENERGY	DOLS	106.78	1.00	106.78	3.24	
IRRIGATION REPAIR	DOLS	11.26	1.00	11.26	0.34	
CROP INSURANCE	DOLS	57.00	1.00	57.00	1.73	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.12	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.24	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.24	
FUEL	DOLS	16.93	1.00	16.93	0.51	
REPAIR & MAINTENANCE	DOLS	12.48	1.00	12.48	0.38	
LABOR	DOLS	9.79	1.00	9.79	0.30	
INTEREST EXPENSE <sup>2</sup>	DOLS	22.11	1.00	22.11	0.67	
<b>Total Pre-Harvest Expenses</b>				<b>653.86</b>	<b>19.81</b>	<b>\$0</b>

<i>HARVEST COSTS</i>						
FUEL	DOLS	22.43	1.00	22.43	0.68	
REPAIR & MAINTENANCE	DOLS	92.19	1.00	92.19	2.79	
LABOR	DOLS	9.00	1.00	9.00	0.27	
HAULING <sup>1</sup>	DOLS	166.65	1.00	166.65	5.05	
Total Harvest Costs				290.27	8.80	

<b>Total Operating Costs</b>				<b>944.13</b>	<b>28.61</b>	<b>\$0</b>
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<i>PROPERTY &amp; OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	132.23	1.00	132.23	4.01	
GENERAL FARM OVERHEAD	DOLS	30.00	1.00	30.00	0.91	
REAL ESTATE TAXES	DOLS	15.42	1.00	15.42	0.47	
PAYMENT ON COOP SHARE	DOLS	43.92	1.00	43.92	1.33	
Total Property & Ownership Costs				221.57	6.71	\$0

<b>Total Direct Costs</b>				<b>1,165.70</b>	<b>35.32</b>	<b>\$0</b>
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<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>375.40</b>	<b>\$11.38</b>	<b>\$0</b>
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<i>FACTOR PAYMENTS</i>						
Land @ 4%				200.00	6.06	

<b>RETURN TO MANAGEMENT &amp; RISK</b>				<b>175.40</b>	<b>5.32</b>	<b>\$0</b>
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<sup>1</sup> Hauling Machinery & Labor Charges=\$2.5/CWT and \$0.17 per ton per loaded mile (15 Miles)

<sup>2</sup> 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				
		\$/TON				
ALTERNATIVE YIELDS		-25%	-10%		+10%	+25%
		\$ 35.03	\$ 42.03	\$46.70	\$ 51.37	\$ 58.38
-25%	24.75	(\$298.83)	(\$125.46)	(\$9.87)	\$105.71	\$279.08
-10%	29.70	(\$125.46)	\$82.59	\$221.29	\$359.99	\$568.04
TONS	33.00	(\$9.87)	\$221.29	\$375.40	\$529.51	\$760.68
+10%	36.30	\$105.71	\$359.99	\$529.51	\$699.03	\$953.31
+25%	41.25	\$279.08	\$568.04	\$760.68	\$953.31	\$1,242.27