



**Northeastern Colorado-Irrigated Soybeans**

**Estimated Production Costs & Returns**

**2015**

**GROSS RECEIPTS FROM PRODUCTION**

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per BU	YOUR FARM
SOYBEANS	BU	\$10.10	68.0	\$686.80	\$10.10	
<b>Total Receipts</b>				<b>\$686.80</b>	<b>\$10.10</b>	<b>\$0</b>

**DIRECT COSTS**

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per BU	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	57.19	1.00	57.19	0.84	
FERTILIZER	DOLS	9.66	1.00	9.66	0.14	
HERBICIDE	DOLS	32.93	1.00	32.93	0.48	
IRRIGATION ENERGY	DOLS	61.97	1.00	61.97	0.91	
IRRIGATION REPAIR	DOLS	11.26	1.00	11.26	0.17	
CROP INSURANCE	DOLS	49.00	1.00	49.00	0.72	
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.21	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.12	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	1.03	
FUEL	DOLS	7.39	1.00	7.39	0.11	
REPAIR & MAINTENANCE	DOLS	4.51	1.00	4.51	0.07	
LABOR	DOLS	2.97	1.00	2.97	0.04	
INTEREST EXPENSE <sup>2</sup>	DOLS	11.51	1.00	11.51	0.17	
<b>Total Pre-Harvest Expenses</b>				<b>340.39</b>	<b>5.01</b>	<b>\$0</b>

<i>HARVEST COSTS</i>						
FUEL	DOLS	4.13	1.00	4.13	0.06	
REPAIR & MAINTENANCE	DOLS	2.99	1.00	2.99	0.04	
LABOR	DOLS	1.66	1.00	1.66	0.02	
HAULING <sup>1</sup>	DOLS	13.60	1.00	13.60	0.20	
Total Harvest Costs				22.38	0.33	
<b>Total Operating Costs</b>				<b>362.77</b>	<b>5.33</b>	<b>\$0</b>

<i>PROPERTY &amp; OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	31.52	1.00	31.52	0.46	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.15	
REAL ESTATE TAXES	DOLS	5.79	1.00	5.79	0.09	
Total Property & Ownership Costs				47.31	0.70	\$0

<b>Total Direct Costs</b>				<b>410.08</b>	<b>6.03</b>	<b>\$0</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>276.72</b>	<b>\$4.07</b>	<b>\$0</b>

<i>FACTOR PAYMENTS</i>						
Land @ 4%				200.00	2.94	

<b>RETURN TO MANAGEMENT &amp; RISK</b>				<b>76.72</b>	<b>1.13</b>	<b>\$0</b>
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<sup>1</sup> Hauling Machinery & Labor Charges=\$0.20/Bushels

<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				
		\$/BU				
ALTERNATIVE YIELDS		-25%	-10%	\$10.10	+10%	+25%
		\$ 7.58	\$ 9.09	\$ 10.10	\$ 11.11	\$ 12.63
-25%	51.00	(\$23.76)	\$53.51	\$105.02	\$156.53	\$233.80
-10%	61.20	\$53.51	\$146.23	\$208.04	\$269.85	\$362.57
BUSHELS	68.00	\$105.02	\$208.04	\$276.72	\$345.40	\$448.42
+10%	74.80	\$156.53	\$269.85	\$345.40	\$420.95	\$534.27
+25%	85.00	\$233.80	\$362.57	\$448.42	\$534.27	\$663.05