



## Northeastern Colorado - Irrigated Corn

### Estimated Production Costs & Returns

2015

#### GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	Unit	Price	Yield	Per Acre	Per BU	YOUR FARM
CORN	BU	\$3.70	260.0	\$962	\$3.70	
<b>Total Receipts</b>				<b>\$962</b>	<b>\$3.70</b>	<b>\$0</b>

#### DIRECT COSTS

	Unit	Cost/ Unit	Quantity	Cost Per Acre	Cost Per BU	YOUR FARM
<i>OPERATING PREHARVEST</i>						
SEED	DOLS	83.69	1.00	83.69	0.32	
FERTILIZER	DOLS	104.06	1.00	104.06	0.40	
HERBICIDE (applied)	DOLS	28.58	1.00	28.58	0.11	
INSECTICIDE	DOLS	14.42	1.00	14.42	0.06	
IRRIGATION ENERGY	DOLS	85.12	1.00	85.12	0.33	
IRRIGATION REPAIRS	DOLS	11.26	1.00	11.26	0.04	
CROP INSURANCE	DOLS	57.00	1.00	57.00	0.22	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	0.27	
CUSTOM APPLICATION	DOLS	8.00	1.00	8.00	0.03	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.03	
FUEL & OIL	DOLS	13.34	1.00	13.34	0.05	
REPAIR & MAINTENANCE	DOLS	7.61	1.00	7.61	0.03	
LABOR	DOLS	8.40	1.00	8.40	0.03	
INTEREST EXPENSE <sup>2</sup>	DOLS	17.48	1.00	17.48	0.07	
<b>Total Pre-Harvest Expenses</b>				<b>516.96</b>	<b>1.99</b>	<b>\$0</b>
<i>HARVEST COSTS</i>						
FUEL	DOLS	4.12	1.00	4.12	0.02	
REPAIR & MAINTENANCE	DOLS	5.09	1.00	5.09	0.02	
LABOR	DOLS	1.66	1.00	1.66	0.01	
HAULING <sup>1</sup>	DOLS	52.00	1.00	52.00	0.20	
Total Harvest Costs				62.87	0.24	
<b>Total Operating Costs</b>				<b>579.83</b>	<b>2.23</b>	<b>\$0</b>
<i>PROPERTY &amp; OWNERSHIP COSTS</i>						
MACHINERY OWNERSHIP COSTS	DOLS	52.79	1.00	52.79	0.20	
GENERAL FARM OVERHEAD	DOLS	10.00	1.00	10.00	0.04	
REAL ESTATE TAXES	DOLS	15.42	1.00	15.42	0.06	
Total Property & Ownership Costs				78.21	0.30	\$0
<b>Total Direct Costs</b>				<b>658.04</b>	<b>2.53</b>	<b>\$0</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>303.96</b>	<b>1.17</b>	<b>\$0</b>
<i>FACTOR PAYMENTS</i>						
Land @ 4%				200.00	0.77	
<b>RETURN TO MANAGEMENT &amp; RISK</b>				<b>103.96</b>	<b>0.40</b>	<b>\$0</b>

<sup>1</sup> Hauling Machinery & Labor Charges = \$0.20/Brushel

<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%	\$3.70	+10%	+25%
	195.00	(\$116.92)	(\$8.69)	\$63.46	\$135.61	\$243.84
	234.00	(\$8.69)	\$121.18	\$207.76	\$294.34	\$424.21
BUSHELS	260.00	\$63.46	\$207.76	\$303.96	\$400.16	\$544.46
	286.00	\$135.61	\$294.34	\$400.16	\$505.98	\$664.71
	325.00	\$243.84	\$424.21	\$544.46	\$664.71	\$845.09