



**Southeast - Reduced Tillage Corn (Center Pivot Sprinkler Irrigation) 2016**

**Estimated Production Costs & Returns**

<b>GROSS RECEIPTS FROM PRODUCTION</b>						
GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER BU	YOUR FARM
Corn	bu	\$3.75	170	\$638	\$3.75	
Other						
<b>Total Receipts</b>				<b>\$638</b>		<b>\$0</b>

**DIRECT COSTS**

	UNIT	COST PER			PER BU YOUR FARM	
		UNIT	QUANTITY	PER ACRE		
<b>OPERATING PREHARVEST</b>						
Tillage						
Multi-tillage ("Ecolo-Tiger")	acre	45.00	2	90.00	0.53	
Seed						
Seed (certified)	bag	360.00	0.40	144.00	0.85	
Custom Planting	acre	12.00	1	12.00	0.07	
Fertilizer						
N + P	dollars	100.00	1	100.00	0.59	
Custom Application	acre	10.00	1	10.00	0.06	
Herbicide						
Chemicals	dollars	12.00	1	12.00	0.07	
Custom Application	dollars	10.00	1	10.00	0.06	
Insecticide & Fungicide						
Chemicals	dollars	0.00	1	0.00	0.00	
Custom Application	dollars	0.00	1	0.00	0.00	
Irrigation						
Water Assessment (surface)	dollars	30.00	1	30.00	0.18	
Sprinkler Ownership	dollars	40.00	1	40.00	0.24	
Sprinkler Energy	acre	30.65	1	30.65	0.18	
Labor	hours	10.00	1	10.00	0.06	
Crop Insurance	dollars	35.00	1	35.00	0.21	
Fuel	dollars	0.00	1	0.00	0.00	
Repairs & Maintenance	dollars	0.00	1	0.00	0.00	
Interest (6 months @ 6.0%)	dollars	15.71	1	15.71	0.09	
<b>Total Pre-Harvest Expenses</b>				<b>\$539.36</b>	<b>\$3.17</b>	<b>\$0.00</b>
<b>HARVEST COSTS</b>						
Custom Harvest	bu	0.25	170	42.50	0.25	
Hauling	bu	0.24	170	40.80	0.24	
<b>Total Harvest Costs</b>				<b>\$83.30</b>	<b>\$0.49</b>	<b>\$0.00</b>
<b>Total Operating Costs</b>				<b>\$622.66</b>	<b>\$3.66</b>	<b>\$0.00</b>
<b>PROPERTY &amp; OWNERSHIP COSTS</b>						
General Farm Overhead	dollars	65.00	1	65.00	0.38	
Depreciation	dollars	10.00	1	10.00	0.06	
Real Estate Taxes	dollars	23.00	1	23.00	0.14	
<b>Total Property &amp; Ownership Costs</b>				<b>\$98.00</b>	<b>\$0.58</b>	<b>\$0.00</b>
<b>TOTAL DIRECT COSTS</b>				<b>\$720.66</b>	<b>\$4.24</b>	<b>\$0.00</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>(\$83.16)</b>	<b>(\$0.49)</b>	<b>\$0.00</b>
<b>FACTOR PAYMENTS</b>						
Land (\$5,000 @ 4%)				200.00	1.18	
<b>RETURN TO MANAGEMENT &amp; RISK</b>				<b>(\$283.16)</b>	<b>(\$1.67)</b>	<b>\$0.00</b>

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

		ALTERNATIVE PRICES (\$/bushel)				
		-25%	-10%	10%	25%	
ALTERNATIVE YIELDS		\$2.81	\$3.38	\$3.75	\$4.13	\$4.69
-25%	127.50	(\$362.07)	(\$290.35)	(\$242.53)	(\$194.72)	(\$123.00)
-10%	153.00	(\$290.35)	(\$204.28)	(\$146.91)	(\$89.53)	(\$3.47)
BUSHEL PER ACRE	170.00	(\$242.53)	(\$146.91)	(\$83.16)	(\$19.41)	\$76.22
	10%	187.00	(\$194.72)	(\$89.53)	(\$19.41)	\$50.72
	25%	212.50	(\$123.00)	(\$3.47)	\$76.22	\$155.90
						\$275.43