

Southeast - Corn (Furrow Irrigation)

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER BU	YOUR FARM
Corn	bu	\$3.75	170	\$638	\$3.75	
Other						
Total Receipts				\$638		\$0

DIRECT COSTS

	UNIT	COST PER		PER ACRE	PER BU	YOUR FARM
		UNIT	QUANTITY			
OPERATING PREHARVEST						
Tillage						
Disk	acre	10.00	2	20.00	0.12	
Plow	acre	22.00	1	22.00	0.13	
Disk	acre	10.00	2	20.00	0.12	
Level	acre	15.00	1	15.00	0.09	
Furrow	acre	15.00	1	15.00	0.09	
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	7.52	1	7.52	0.04	
Labor	hours	10.00	5	50.00	0.29	
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	14.18	1	14.18	0.08	
Total Pre-Harvest Expenses				\$486.69	\$2.86	\$0.00
HARVEST COSTS						
Custom Harvest	bu	0.25	170	42.50	0.25	
Hauling	bu	0.24	170	40.80	0.24	
Total Harvest Costs				\$83.30	\$0.49	\$0.00
Total Operating Costs				\$569.99	\$3.35	\$0.00
PROPERTY & OWNERSHIP COSTS						
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	
Total Property & Ownership Costs				\$98.00	\$0.58	\$0.00
TOTAL DIRECT COSTS				\$667.99	\$3.93	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				(\$30.49)	(\$0.18)	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	1.18	
RETURN TO MANAGEMENT & RISK				(\$230.49)	(\$1.36)	\$0.00

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/bushel)				
		-25%	-10%	3.75	10%	25%
-25%	127.50	(\$309.40)	(\$237.68)	(\$189.87)	(\$142.06)	(\$70.34)
-10%	153.00	(\$237.68)	(\$151.62)	(\$94.24)	(\$36.87)	\$49.19
BUSHEL PER ACRE	170.00	(\$189.87)	(\$94.24)	(\$30.49)	\$33.26	\$128.88
10%	187.00	(\$142.06)	(\$36.87)	\$33.26	\$103.38	\$208.57
25%	212.50	(\$70.34)	\$49.19	\$128.88	\$208.57	\$328.10