



Southeast - Sorghum Silage (Furrow Irrigation)

2015

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION						
GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER TON	YOUR FARM
Silage (sold "in the field")	tons	\$18.00	28	\$504	\$18.00	_____
Total Receipts				\$504		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER TON	YOUR FARM
OPERATING PREHARVEST						
Tillage						
Disk	acre	10.00	2	20.00	0.71	_____
Plow	acre	22.00	1	22.00	0.79	_____
Disk	acre	10.00	2	20.00	0.71	_____
Level	acre	15.00	1	15.00	0.54	_____
Furrow	acre	15.00	1	15.00	0.54	_____
Seed						
Custom Planting	acre	12.00	1	12.00	0.43	_____
Fertilizer						
Custom Application	acre	0.00	1	0.00	0.00	_____
Herbicide						
Custom Application	dollars	0.00	1	0.00	0.00	_____
Insecticide & Fungicide						
Custom Application	dollars	0.00	1	0.00	0.00	_____
Irrigation						
Water Assessment (surface)	dollars	7.52	1	7.52	0.27	_____
Labor	dollars	30.00	1	30.00	1.07	_____
Crop Insurance (NAP)	dollars	5.00	1	5.00	0.18	_____
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	4.28	1	4.28	0.15	_____
Total Pre-Harvest Expenses				\$166.79	\$5.96	\$0.00
HARVEST COSTS						
Sold "in the field"	tons	0.00	28	0.00	0.00	_____
Total Harvest Costs				\$0.00	\$0.00	\$0.00
Total Operating Costs				\$166.79	\$5.96	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	65.00	1	65.00	2.32	_____
Depreciation	dollars	10.00	1	10.00	0.36	_____
Real Estate Taxes	dollars	23.00	1	23.00	0.82	_____
Total Property & Ownership Costs				\$98.00	\$3.50	\$0.00
TOTAL DIRECT COSTS				\$264.79	\$9.46	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$239.21	\$8.54	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	7.14	_____
RETURN TO MANAGEMENT & RISK				\$39.21	\$1.40	\$0.00

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

		ALTERNATIVE PRICES (\$/ton)				
		-25%	-10%	10%	25%	
ALTERNATIVE YIELDS		\$13.50	\$16.20	\$18.00	\$19.80	\$22.50
-25%	21.00	\$18.71	\$75.41	\$113.21	\$151.01	\$207.71
-10%	25.20	\$75.41	\$143.45	\$188.81	\$234.17	\$302.21
TONS PER ACRE	28.00	\$113.21	\$188.81	\$239.21	\$289.61	\$365.21
	10%	\$151.01	\$234.17	\$289.61	\$345.05	\$428.21
	25%	\$207.71	\$302.21	\$365.21	\$428.21	\$522.71