

Southeast - Sorghum Silage (Furrow Irrigation) 2016
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	\$16.00	24	\$384	\$16.00	
Other						
Total Receipts				\$384		\$0

DIRECT COSTS

	UNIT	COST PER		PER ACRE	PER TON	YOUR FARM
		UNIT	QUANTITY			
OPERATING PREHARVEST						
Tillage						
Disk	acre	10.00	2	20.00	0.83	
Plow	acre	22.00	1	22.00	0.92	
Disk	acre	10.00	2	20.00	0.83	
Level	acre	15.00	1	15.00	0.63	
Furrow	acre	15.00	1	15.00	0.63	
Seed						
Seed	dollars	16.00	1	16.00	0.67	
Custom Planting	acre	12.00	1	12.00	0.50	
Fertilizer						
Fertilizer	acre	0.00	1	0.00	0.00	
Custom Application	acre	0.00	1	0.00	0.00	
Herbicide						
Chemicals	dollars	0.00	1	0.00	0.00	
Custom Application	dollars	0.00	1	0.00	0.00	
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	0.31	
Labor	hours	10.00	5	50.00	2.08	
Crop Insurance (NAP)	dollars	5.00	1	5.00	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	5.48	1	5.48	0.23	
Total Pre-Harvest Expenses				\$187.99	\$7.83	\$0.00
HARVEST COSTS						
Sold "in the field"	tons	0.00	24	0.00	0.00	
Other						
Total Harvest Costs				\$0.00	\$0.00	\$0.00
Total Operating Costs				\$187.99	\$7.83	\$0.00
PROPERTY & OWNERSHIP COSTS						
General Farm Overhead	dollars	65.00	1	65.00	2.71	
Depreciation	dollars	10.00	1	10.00	0.42	
Real Estate Taxes	dollars	23.00	1	23.00	0.96	
Total Property & Ownership Costs				\$98.00	\$4.08	\$0.00
TOTAL DIRECT COSTS				\$285.99	\$11.92	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$98.01	\$4.08	\$0.00
FACTOR PAYMENTS						
Land (\$5,000 @ 4%)				200.00	8.33	
RETURN TO MANAGEMENT & RISK				(\$101.99)	(\$4.25)	\$0.00

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

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/ton)				
		-25%	-10%	10%	25%	
		\$12.00	\$14.40	\$16.00	\$17.60	\$20.00
-25%	18.00	(\$69.99)	(\$26.79)	\$2.01	\$30.81	\$74.01
-10%	21.60	(\$26.79)	\$25.05	\$59.61	\$94.17	\$146.01
TONS PER ACRE	24.00	\$2.01	\$59.61	\$98.01	\$136.41	\$194.01
10%	26.40	\$30.81	\$94.17	\$136.41	\$178.65	\$242.01
25%	30.00	\$74.01	\$146.01	\$194.01	\$242.01	\$314.01