

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 Estimated Costs and Returns per Acre**  
**Sorghum - Conventional Till-24 Row, Irrigated, 100 bu. Yield Goal - 505 Acres**  
**Coastal Bend Extension District - 11**

Crop Acres		505			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Grain Sorghum, Lower Coast	100.00	Bushel	\$3.80	\$380.00	\$191,900.00
<b>Total Revenue</b>				<b>\$380.00</b>	<b>\$191,900.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Custom					
Fertilizer Application	1	CWT	\$0.10	\$0.10	\$50.50
Custom Haul - Sorghum	57	CWT	\$0.35	\$19.95	\$10,074.75
Drying - Sorghum	57	CWT	\$0.10	\$5.70	\$2,878.50
Fertilizer					
24-8-0	0.1875	Ton	\$256.00	\$48.00	\$24,240.00
Herbicide					
Glyphosate (Generic)	2	Quart	\$4.00	\$8.00	\$4,040.00
Atrazine 4L	3	Pint	\$1.56	\$4.69	\$2,367.19
Sorghum PostEmerge Herbicide	1	Ounce	\$13.50	\$13.50	\$6,817.50
Insecticide					
Headworn Control	2.6	Ounce	\$1.18	\$3.07	\$1,549.34
Stinkbug Control	2	Ounce	\$0.31	\$0.63	\$315.63
Miscellaneous					
Crop Insurance - Irr Sorghum	1	Acre	\$10.50	\$10.50	\$5,302.50
Pickup Milage Charge	1	Acre	\$3.88	\$3.88	\$1,959.40
Seed					
Treated Sorghum Seed	5	Pound	\$3.20	\$16.00	\$8,080.00
Other Labor					
Hand Labor	0.04	Hour	\$16.00	\$0.64	\$323.20
Irrigation					
Energy Cost	10.00	AcreInch	\$2.10	\$21.00	\$10,605.00
Irrigation Labor	1.50	Hour	\$19.50	\$29.25	\$14,771.25
Machinery Labor					
Tractors/Self-Propelled	0.81	Hour	\$19.50	\$15.80	\$7,976.48
Diesel Fuel					
Tractors/Self-Propelled	9.71	Gallon	\$2.10	\$20.39	\$10,297.46
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$25.08	\$25.08	\$12,666.67
Tractors/Self-Propelled	1	Acre	\$28.17	\$28.17	\$14,227.16
Implements	1	Acre	\$21.88	\$21.88	\$11,051.86
Interest on Credit Line			4.25%	\$5.66	\$2,860.55
<b>Total Variable Costs</b>				<b>\$301.89</b>	<b>\$152,454.91</b>
Planned Returns Above Variable Costs:				\$78.11	\$39,445.09
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$3.02</b>	Bushel	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Irrigation Equipment	1	Acre	\$28.18	\$28.18	\$14,233.33
Tractors/Self-Propelled	1	Acre	\$32.28	\$32.28	\$16,302.97
Implements	1	Acre	\$28.02	\$28.02	\$14,148.59
Equipment Investment					
Irrigation Equipment	\$293.56	Dollars	7.00%	\$20.55	\$10,377.50
Tractors/Self-Propelled	\$246.27	Dollars	7.00%	\$17.24	\$8,705.50
Implements	\$142.20	Dollars	7.00%	\$9.95	\$5,026.89
Management Fee, Owner/Operator Labor	1	Acre	\$19.00	\$19.00	\$9,595.00
LCB - Land Charge	1	Acre	\$70.00	\$70.00	\$35,350.00
<b>Total Fixed Costs</b>				<b>\$225.23</b>	<b>\$113,739.79</b>
<b>Total Specified Costs</b>				<b>\$527.12</b>	<b>\$266,194.70</b>
Returns Above Specified Costs				(\$147.12)	(\$74,294.70)
<b>Breakeven Price to Cover Total Costs</b>			<b>\$5.27</b>	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	75.00	\$4.03	\$7.03
90%	90.00	\$3.35	\$5.86
100%	100.00	\$3.02	\$5.27
110%	110.00	\$2.74	\$4.79
125%	125.00	\$2.42	\$4.22

Developed by Extension Economists, Texas A&M AgriLife Extension Service.

**Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.**