

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2015 Estimated Costs and Returns per Acre**  
**Sorghum - Conventional Till-24 Row, Irrigated, 5700 lb. Yield Goal - 505 Acres**  
**Lower Coastal Bend Extension District - 11**

Crop Acres		505				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Grain Sorghum, Lower Coast		57.00	CWT	\$4.10	\$233.70	\$118,018.50
Total Revenue					\$233.70	\$118,018.50
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
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 LC	0.1875	Ton	\$325.00	\$60.94	\$30,773.44
Herbicide						
	2, 4D	0	Pound	\$4.00	\$0.00	\$0.00
	Glyphosate	2	Quart	\$5.13	\$10.26	\$5,181.30
	Atrazine	1	Pound	\$3.15	\$3.15	\$1,590.75
	Sorghum PostEmerge Herbicide Lf	1	Ounce	\$12.65	\$12.65	\$6,388.25
Insecticide						
	Headworn Control	2.6	Ounce	\$1.18	\$3.07	\$1,549.34
	Stinkbug Control	2	Ounce	\$0.43	\$0.86	\$434.30
Seed						
	Treated Sorghum Seed	5	Pound	\$3.20	\$16.00	\$8,080.00
Miscellaneous						
	Crop Insurance -Sorghum LC	1	Acre	\$8.50	\$8.50	\$4,292.50
	Pickup Milage Charge	1	Acre	\$3.88	\$3.88	\$1,959.40
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	9.49	Gallon	\$3.30	\$31.32	\$15,815.09
Repairs & Maintenance						
	Irrigation Equipment	1	Acre	\$25.08	\$25.08	\$12,666.67
	Tractors/Self-Propelled	1	Acre	\$27.89	\$27.89	\$14,086.96
	Implements	1	Acre	\$18.89	\$18.89	\$9,539.60
	Interest on Credit Line			5.00%	\$6.61	\$3,336.42
Total Variable Costs					\$320.89	\$162,050.48
Planned Returns Above Variable Costs:					(\$87.19)	(\$44,031.98)
Breakeven Price to Cover Variable Costs				\$5.63	CWT	
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	\$31.21	\$31.21	\$15,762.85
	Implements	1	Acre	\$24.38	\$24.38	\$12,313.79
Equipment Investment						
	Irrigation Equipment	\$574.26	Dollars	7.00%	\$40.20	\$20,300.00
	Tractors/Self-Propelled	\$354.27	Dollars	7.00%	\$24.80	\$12,523.48
	Implements	\$212.15	Dollars	7.00%	\$14.85	\$7,499.65
	Management Fee, Owner/Operator Labor	1	Acre	\$11.69	\$11.69	\$5,900.93
	LCB - Land Charge	1	Acre	\$70.00	\$70.00	\$35,350.00
Total Fixed Costs					\$245.31	\$123,884.02
Total Specified Costs					\$566.21	\$285,934.50
Returns Above Specified Costs					(\$332.51)	(\$167,916.00)
Breakeven Price to Cover Total Costs				\$9.93	CWT	

Example Breakeven Prices						
Example Yield Percent	Example Yield CWT	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	42.75	\$7.51	\$7.51	\$13.24	\$13.24	\$0.00
90%	51.30	\$6.26	\$6.26	\$11.04	\$11.04	\$0.00
100%	57.00	\$5.63	\$5.63	\$9.93	\$9.93	\$0.00
110%	62.70	\$5.12	\$5.12	\$9.03	\$9.03	\$0.00
125%	71.25	\$4.50	\$4.50	\$7.95	\$7.95	\$0.00

Developed by Levi Russell, Assistant Professor and Extension Economist, 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.**