

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Sorghum - Conventional Till-24 Row, Irrigated, 100 bu. Yield Goal
Coastal Bend Extension District - 11

Crop Acres		505			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Grain Sorghum, Lower Coast	100.00	Bushel	\$3.50	\$350.00	\$176,750.00
Total Revenue				\$350.00	\$176,750.00
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	0.1875	Ton	\$222.00	\$41.63	\$21,020.63
Herbicide					
Glyphosate (Generic)	2	Quart	\$4.25	\$8.50	\$4,292.50
Atrazine 4L	3	Pint	\$1.88	\$5.64	\$2,848.20
Sorghum PostEmerge Herbicide	1	Ounce	\$16.00	\$16.00	\$8,080.00
Insecticide					
Headworn Control	2.6	Ounce	\$1.18	\$3.07	\$1,549.34
Stinkbug Control	2	Ounce	\$0.33	\$0.66	\$333.30
Miscellaneous					
Crop Insurance - Irr Sorghum	1	Acre	\$11.13	\$11.13	\$5,620.65
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	0.83	Hour	\$19.50	\$16.19	\$8,173.43
Diesel Fuel					
Tractors/Self-Propelled	9.9	Gallon	\$2.30	\$22.77	\$11,498.85
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$25.08	\$25.08	\$12,666.67
Tractors/Self-Propelled	1	Acre	\$30.71	\$30.71	\$15,506.37
Implements	1	Acre	\$16.99	\$16.99	\$8,578.71
Interest on Credit Line			5.50%	\$7.40	\$3,739.33
Total Variable Costs				\$302.28	\$152,650.56
Planned Returns Above Variable Costs:				\$47.72	\$24,099.44
Breakeven Price to Cover Variable Costs			\$3.02	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	\$35.22	\$35.22	\$17,787.63
Implements	1	Acre	\$22.01	\$22.01	\$11,115.79
Equipment Investment					
Irrigation Equipment	\$293.56	Dollars	6.00%	\$17.61	\$8,895.00
Tractors/Self-Propelled	\$268.97	Dollars	6.00%	\$16.14	\$8,149.79
Implements	\$112.70	Dollars	6.00%	\$6.76	\$3,414.74
Management Fee, Owner/Operator Labor	1	Acre	\$17.50	\$17.50	\$8,837.50
LCB - Land Charge	1	Acre	\$70.00	\$70.00	\$35,350.00
Total Fixed Costs				\$213.43	\$107,783.79
Total Specified Costs				\$515.71	\$260,434.35
Returns Above Specified Costs				(\$165.71)	(\$83,684.35)
Breakeven Price to Cover Total Costs			\$5.16	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	75.00	\$4.03	\$6.88
90%	90.00	\$3.36	\$5.73
100%	100.00	\$3.02	\$5.16
110%	110.00	\$2.75	\$4.69
125%	125.00	\$2.42	\$4.13

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

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.