

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Sorghum - Conventional Till-12 Row, Dryland, 90 bu. Yield Goal - 500 Acres
Coastal Bend Extension District - 11

Crop Acres		500			
				Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Grain Sorghum, Upper Coast	90.00	Bushel	\$3.75	\$337.50	\$168,750.00
Total Revenue				\$337.50	\$168,750.00
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
Production Costs					
Herbicide					
Glyphosate (Generic)	2	Quart	\$4.00	\$8.00	\$4,000.00
2, 4D Amine	1	Pint	\$1.45	\$1.45	\$725.00
Atrazine 4L	2	Pint	\$1.34	\$2.68	\$1,340.00
Sorghum PreEmerge Herbicide	1.6	Quart	\$9.76	\$15.62	\$7,808.00
Sorghum PostEmerge Herbicide	1	Ounce	\$14.72	\$14.72	\$7,360.00
Seed					
Treated Sorghum Seed	7	Pound	\$3.20	\$22.40	\$11,200.00
Fertilizer					
24-8-0	0.225	Ton	\$235.30	\$52.94	\$26,471.25
Custom					
Apply by Air	1	Acre	\$6.00	\$6.00	\$3,000.00
Custom Grain Haul	57	CWT	\$0.30	\$17.10	\$8,550.00
Miscellaneous					
Crop Insurance -Sorghum UC	1	Acre	\$15.40	\$15.40	\$7,700.00
G&A Overhead	1	Acre	\$10.50	\$10.50	\$5,250.00
Insecticide					
Cutworm Control	1.25	Ounce	\$0.70	\$0.88	\$437.50
Worm Control	0.0285	Gallon	\$153.00	\$4.36	\$2,180.25
Other Chemicals					
Crop Oil	0.5	Pint	\$1.50	\$0.75	\$375.00
Surfactant	0.2	Pint	\$1.09	\$0.22	\$109.00
Other Labor					
Hand Labor	0.21	Hour	\$16.00	\$3.36	\$1,680.00
Machinery Labor					
Tractors/Self-Propelled	0.87	Hour	\$19.50	\$16.97	\$8,482.50
Diesel Fuel					
Tractors/Self-Propelled	9.81	Gallon	\$2.10	\$20.60	\$10,300.50
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$24.22	\$24.22	\$12,111.43
Implements	1	Acre	\$16.76	\$16.76	\$8,381.63
Interest on Credit Line			4.25%	\$5.49	\$2,743.16
Total Variable Costs				\$260.41	\$130,205.22
Planned Returns Above Variable Costs:				\$77.09	\$38,544.78
Breakeven Price to Cover Variable Costs			\$2.89	Bushel	
				Enterprise	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$24.88	\$24.88	\$12,439.46
Implements	1	Acre	\$19.56	\$19.56	\$9,781.09
Equipment Investment					
Tractors/Self-Propelled	\$190.13	Dollars	7.00%	\$13.31	\$6,654.51
Implements	\$111.95	Dollars	7.00%	\$7.84	\$3,918.21
Management Fee, Owner/Operator Labor					
UCB - Land Charge	1	Acre	\$16.88	\$16.88	\$8,437.50
UCB - Land Charge	1	Acre	\$85.00	\$85.00	\$42,500.00
Total Fixed Costs				\$167.46	\$83,730.77
Total Specified Costs				\$427.87	\$213,935.99
Returns Above Specified Costs				(\$90.37)	(\$45,185.99)
Breakeven Price to Cover Total Costs			\$4.75	Bushel	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Bushel	Costs	Costs
75%	67.50	\$3.86	\$6.34
90%	81.00	\$3.21	\$5.28
100%	90.00	\$2.89	\$4.75
110%	99.00	\$2.63	\$4.32
125%	112.50	\$2.31	\$3.80

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.