

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Sorghum - Conventional Till-12 Row, Dryland, 90 bu. Yield Goal
Coastal Bend Extension District - 11

Crop Acres		500				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grain Sorghum, Upper Coast	90.00	Bushel	\$3.50	\$315.00	\$157,500.00	\$157,500.00
Total Revenue				\$315.00	\$157,500.00	\$157,500.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Glyphosate (Generic)	2	Quart	\$4.25	\$8.50	\$4,250.00	\$4,250.00
2, 4D Amine	1	Pint	\$1.37	\$1.37	\$685.00	\$685.00
Atrazine 4L	2	Pint	\$1.37	\$2.74	\$1,370.00	\$1,370.00
Sorghum PreEmerge Herbicide	1.6	Quart	\$9.38	\$15.01	\$7,504.00	\$7,504.00
Sorghum PostEmerge Herbicide	1	Ounce	\$11.50	\$11.50	\$5,750.00	\$5,750.00
Seed						
Treated Sorghum Seed	7	Pound	\$3.20	\$22.40	\$11,200.00	\$11,200.00
Fertilizer						
24-8-0	0.225	Ton	\$235.30	\$52.94	\$26,471.25	\$26,471.25
Custom						
Apply by Air	1	Acre	\$6.00	\$6.00	\$3,000.00	\$3,000.00
Custom Grain Haul	57	CWT	\$0.30	\$17.10	\$8,550.00	\$8,550.00
Miscellaneous						
Crop Insurance -Sorghum UC	1	Acre	\$11.39	\$11.39	\$5,695.00	\$5,695.00
G&A Overhead	1	Acre	\$10.50	\$10.50	\$5,250.00	\$5,250.00
Insecticide						
Cutworm Control	1.25	Ounce	\$0.70	\$0.88	\$437.50	\$437.50
Worm Control	0.0285	Gallon	\$153.00	\$4.36	\$2,180.25	\$2,180.25
Other Chemicals						
Crop Oil	0.5	Pint	\$1.38	\$0.69	\$345.00	\$345.00
Surfactant	0.2	Pint	\$1.38	\$0.28	\$138.00	\$138.00
Other Labor						
Hand Labor	0.21	Hour	\$16.00	\$3.36	\$1,680.00	\$1,680.00
Machinery Labor						
Tractors/Self-Propelled	0.87	Hour	\$19.50	\$16.97	\$8,482.50	\$8,482.50
Diesel Fuel						
Tractors/Self-Propelled	9.81	Gallon	\$2.30	\$22.56	\$11,281.50	\$11,281.50
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$26.77	\$26.77	\$13,382.66	\$13,382.66
Implements	1	Acre	\$15.24	\$15.24	\$7,621.75	\$7,621.75
Interest on Credit Line			5.50%	\$8.24	\$4,119.75	\$4,119.75
Total Variable Costs				\$258.79	\$129,394.16	\$129,394.16
Planned Returns Above Variable Costs:				\$56.21	\$28,105.84	\$28,105.84
Breakeven Price to Cover Variable Costs			\$2.88	Bushel		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$27.54	\$27.54	\$13,767.66	\$13,767.66
Implements	1	Acre	\$18.03	\$18.03	\$9,016.10	\$9,016.10
Equipment Investment						
Tractors/Self-Propelled	\$210.76	Dollars	6.00%	\$12.65	\$6,322.81	\$6,322.81
Implements	\$100.59	Dollars	6.00%	\$6.04	\$3,017.55	\$3,017.55
Management Fee, Owner/Operator Labor						
UCB - Land Charge	1	Acre	\$15.75	\$15.75	\$7,875.00	\$7,875.00
UCB - Land Charge	1	Acre	\$85.00	\$85.00	\$42,500.00	\$42,500.00
Total Fixed Costs				\$165.00	\$82,499.12	\$82,499.12
Total Specified Costs				\$423.79	\$211,893.28	\$211,893.28
Returns Above Specified Costs				(\$108.79)	(\$54,393.28)	(\$54,393.28)
Breakeven Price to Cover Total Costs			\$4.71	Bushel		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Bushel	Costs	Costs
75%	67.50	\$3.83	\$6.28
90%	81.00	\$3.19	\$5.23
100%	90.00	\$2.88	\$4.71
110%	99.00	\$2.61	\$4.28
125%	112.50	\$2.30	\$3.77

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.