

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$3.64	\$364.00	\$183,820.00
Total Revenue				\$364.00	\$183,820.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Fertilizer Application	1	Ounce	\$0.15	\$0.15	\$75.75
Custom Haul - Sorghum	57	CWT	\$0.35	\$19.95	\$10,074.75
Fertilizer					
24-8-0	0.227	Ton	\$266.00	\$60.38	\$30,492.91
Herbicide					
Atrazine 4L	2	Quart	\$3.00	\$6.00	\$3,030.00
Sorghum PreEmerge Herbicide	14	Ounce	\$0.92	\$12.88	\$6,504.40
Insecticide					
Stinkbug Control	2	Ounce	\$0.33	\$0.66	\$333.30
Headworn Control	2.6	Ounce	\$1.16	\$3.02	\$1,523.08
Transform	1	Ounce	\$7.73	\$7.73	\$3,903.65
Miscellaneous					
Crop Insurance - Irr Sorghum	1	Acre	\$6.05	\$6.05	\$3,055.25
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	0.72	Hour	\$19.50	\$14.04	\$7,090.20
Diesel Fuel					
Tractors/Self-Propelled	8.9	Gallon	\$2.46	\$21.89	\$11,056.47
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$25.08	\$25.08	\$12,666.67
Tractors/Self-Propelled	1	Acre	\$29.32	\$29.32	\$14,804.39
Implements	1	Acre	\$16.97	\$16.97	\$8,568.59
Interest on Credit Line			6.75%	\$9.25	\$4,670.79
Total Variable Costs				\$304.14	\$153,589.04
Planned Returns Above Variable Costs:				\$59.86	\$30,230.96
Breakeven Price to Cover Variable Costs			\$3.04	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	\$33.11	\$33.11	\$16,721.85
Implements	1	Acre	\$21.68	\$21.68	\$10,948.27
Equipment Investment					
Irrigation Equipment	\$293.56	Dollars	6.00%	\$17.61	\$8,895.00
Tractors/Self-Propelled	\$252.68	Dollars	6.00%	\$15.16	\$7,656.17
Implements	\$117.94	Dollars	6.00%	\$7.08	\$3,573.55
Management Fee, Owner/Operator Labor	1	Acre	\$18.20	\$18.20	\$9,191.00
LCB - Land Charge	1	Acre	\$70.00	\$70.00	\$35,350.00
Total Fixed Costs				\$211.03	\$106,569.18
Total Specified Costs				\$515.16	\$260,158.22
Returns Above Specified Costs				(\$151.16)	(\$76,338.22)
Breakeven Price to Cover Total Costs			\$5.15	Bushel	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bushel	To Cover Variable Costs	To Cover Total Costs
75%	75.00	\$4.06	\$6.87
90%	90.00	\$3.38	\$5.72
100%	100.00	\$3.04	\$5.15
110%	110.00	\$2.76	\$4.68
125%	125.00	\$2.43	\$4.12

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.