

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2016 Estimated Costs and Returns per Acre
Sesame - Conventional Till-12 Row, Irrigated, 1100 lb. Yield Goal - 505 Acres
Coastal Bend Extension District - 11

Crop Acres		505			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Sesame	1,100.00	Pound	\$0.30	\$330.00	\$166,650.00
Total Revenue				\$330.00	\$166,650.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Haul Sesame (net)	11	CWT	\$0.05	\$0.55	\$277.75
Fertilizer					
24-8-0	0.1	Ton	\$332.00	\$33.20	\$16,766.00
Herbicide					
Glyphosate (Generic)	2	Quart	\$4.00	\$8.00	\$4,040.00
Sesame PostEmerge Herbicide	8	Ounce	\$0.70	\$5.60	\$2,828.00
Miscellaneous					
Pickup Milage Charge	1	Acre	\$3.88	\$3.88	\$1,959.40
Seed					
Sesame	2.5	Pound	\$4.00	\$10.00	\$5,050.00
Other Labor					
Hand Labor	0.08	Hour	\$16.00	\$1.28	\$646.40
Irrigation					
Energy Cost	6.00	AcreInch	\$2.10	\$12.60	\$6,363.00
Irrigation Labor	1.15	Hour	\$19.50	\$22.43	\$11,324.63
Machinery Labor					
Tractors/Self-Propelled	0.77	Hour	\$19.50	\$15.02	\$7,582.58
Diesel Fuel					
Tractors/Self-Propelled	8.64	Gallon	\$2.10	\$18.14	\$9,162.72
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$25.08	\$25.08	\$12,666.67
Tractors/Self-Propelled	1	Acre	\$25.79	\$25.79	\$13,024.87
Implements	1	Acre	\$16.78	\$16.78	\$8,472.51
Interest on Credit Line			4.25%	\$3.91	\$1,976.32
Total Variable Costs				\$202.26	\$102,140.84
Planned Returns Above Variable Costs:				\$127.74	\$64,509.16
Breakeven Price to Cover Variable Costs			\$0.18	Pound	
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	\$27.47	\$27.47	\$13,874.86
Implements	1	Acre	\$20.26	\$20.26	\$10,233.21
Equipment Investment					
Irrigation Equipment	\$293.56	Dollars	7.00%	\$20.55	\$10,377.50
Tractors/Self-Propelled	\$209.90	Dollars	7.00%	\$14.69	\$7,419.97
Implements	\$113.22	Dollars	7.00%	\$7.93	\$4,002.23
Management Fee, Owner/Operator Labor	1	Acre	\$16.50	\$16.50	\$8,332.50
LCB - Land Charge	1	Acre	\$70.00	\$70.00	\$35,350.00
Total Fixed Costs				\$205.59	\$103,823.60
Total Specified Costs				\$407.85	\$205,964.43
Returns Above Specified Costs				(\$77.85)	(\$39,314.43)
Breakeven Price to Cover Total Costs			\$0.37	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	825.00	\$0.25	\$0.49
90%	990.00	\$0.20	\$0.41
100%	1100.00	\$0.18	\$0.37
110%	1210.00	\$0.17	\$0.34
125%	1375.00	\$0.15	\$0.30

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.