

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Sesame - Conventional Till-12 Row, Dryland, 800 lb. Yield Goal - 500 Acres
Coastal Bend Extension District - 11

Crop Acres		500				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Sesame	800.00	Pound	\$0.30	\$240.00	\$120,000.00	
Total Revenue				\$240.00	\$120,000.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Custom						
Haul Sesame (net)	8	CWT	\$0.05	\$0.40	\$200.00	
Fertilizer						
24-8-0	0.0833	Ton	\$332.00	\$27.66	\$13,827.80	
Herbicide						
Glyphosate (Generic)	2	Quart	\$4.00	\$8.00	\$4,000.00	
Sesame PostEmerge Herbicide	8	Ounce	\$0.70	\$5.60	\$2,800.00	
Miscellaneous						
Pickup Milage Charge	1	Acre	\$3.88	\$3.88	\$1,940.00	
Seed						
Sesame	2	Pound	\$4.00	\$8.00	\$4,000.00	
Other Labor						
Hand Labor	0.08	Hour	\$16.00	\$1.28	\$640.00	
Machinery Labor						
Tractors/Self-Propelled	0.77	Hour	\$19.50	\$15.02	\$7,507.50	
Diesel Fuel						
Tractors/Self-Propelled	8.64	Gallon	\$2.10	\$18.14	\$9,072.00	
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$25.79	\$25.79	\$12,895.91	
Implements	1	Acre	\$16.78	\$16.78	\$8,388.62	
Interest on Credit Line			4.25%	\$2.42	\$1,208.78	
Total Variable Costs				\$132.96	\$66,480.62	
Planned Returns Above Variable Costs:				\$107.04	\$53,519.38	
Breakeven Price to Cover Variable Costs			\$0.17	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$27.47	\$27.47	\$13,737.49	
Implements	1	Acre	\$20.26	\$20.26	\$10,131.89	
Equipment Investment						
Tractors/Self-Propelled	\$209.90	Dollars	7.00%	\$14.69	\$7,346.50	
Implements	\$113.22	Dollars	7.00%	\$7.93	\$3,962.60	
Management Fee, Owner/Operator Labor	1	Acre	\$12.00	\$12.00	\$6,000.00	
LCB - Land Charge	1	Acre	\$70.00	\$70.00	\$35,000.00	
Total Fixed Costs				\$152.36	\$76,178.48	
Total Specified Costs				\$285.32	\$142,659.10	
Returns Above Specified Costs				(\$45.32)	(\$22,659.10)	
Breakeven Price to Cover Total Costs			\$0.36	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%	600.00	\$0.22	\$0.48
90%	720.00	\$0.18	\$0.40
100%	800.00	\$0.17	\$0.36
110%	880.00	\$0.15	\$0.32
125%	1000.00	\$0.13	\$0.29

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.