

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2015 Estimated Costs and Returns per Acre**  
**Irrigated Sesame - 122 Acres**  
**South Plains Extension District - 2**

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Sesame - Irrigated		1,500.00	Pound	\$0.43	\$645.00	\$78,690.00
Total Revenue					\$645.00	\$78,690.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Custom						
Fertilizer Application - Liquid High		1	Acre	\$4.75	\$4.75	\$579.50
Custom Harvest - Sesame		1	Acre	\$25.00	\$25.00	\$3,050.00
Custom Haul - Sesame		15	CWT	\$0.12	\$1.80	\$219.60
Fertilizer						
Fertilizer (N) - Liquid		75	Pound	\$0.58	\$43.35	\$5,288.70
Fertilizer (P) - Liquid		30	Pound	\$0.74	\$22.05	\$2,690.10
Herbicide						
Herbicide - Sesame		1	Acre	\$21.75	\$21.75	\$2,653.50
Seed						
Seed - Sesame		2.5	Pound	\$4.00	\$10.00	\$1,220.00
Miscellaneous						
Crop Insurance Sesame - Irrigated		1	Acre	\$12.50	\$12.50	\$1,525.00
Other Labor						
Hoeing		1	Acre	\$15.00	\$15.00	\$1,830.00
Irrigation						
Energy Cost		11.00	AcreInch	\$9.00	\$99.00	\$12,078.00
Irrigation Labor		0.90	Hour	\$12.00	\$10.80	\$1,317.60
Machinery Labor						
Tractors/Self-Propelled		1	Hour	\$12.00	\$12.00	\$1,464.00
Diesel Fuel						
Tractors/Self-Propelled		2.4	Gallon	\$3.00	\$7.20	\$878.40
Gasoline						
Pickup/General Use Equipment		2	Gallon	\$2.25	\$4.50	\$549.00
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment		1	Acre	\$19.25	\$19.25	\$2,348.50
Tractors/Self-Propelled		1	Acre	\$6.00	\$6.00	\$732.00
Implements		1	Acre	\$3.00	\$3.00	\$366.00
Interest on Credit Line				6.00%	\$7.22	\$880.31
Total Variable Costs					\$325.67	\$39,731.21
Planned Returns Above Variable Costs:					\$319.33	\$38,958.79
Breakeven Price to Cover Variable Costs				\$0.22	Pound	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Investment						
Pickup/General Use Equipment		\$17.89	Dollars	7.00%	\$1.25	\$152.78
Irrigation Equipment		\$785.72	Dollars	7.00%	\$55.00	\$6,710.01
Tractors/Self-Propelled		\$171.40	Dollars	7.00%	\$12.00	\$1,463.76
Implements		\$142.90	Dollars	7.00%	\$10.00	\$1,220.37
Whole Farm Insurance		1	Acre	\$2.00	\$2.00	\$244.00
Cash Rent - Sesame		1	Acre	\$100.00	\$100.00	\$12,200.00
Total Fixed Costs					\$180.25	\$21,990.91
Total Specified Costs					\$505.92	\$61,722.11
Returns Above Specified Costs					\$139.08	\$16,967.89
Breakeven Price to Cover Total Costs				\$0.34	Pound	

Example Breakeven Prices						
Example Yield Percent	Example Yield Pound	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	1125.00	\$0.29	\$0.29	\$0.45	\$0.45	\$0.00
90%	1350.00	\$0.24	\$0.24	\$0.37	\$0.37	\$0.00
100%	1500.00	\$0.22	\$0.22	\$0.34	\$0.34	\$0.00
110%	1650.00	\$0.20	\$0.20	\$0.31	\$0.31	\$0.00
125%	1875.00	\$0.17	\$0.17	\$0.27	\$0.27	\$0.00

Developed by Jackie Smith, Professor and Extension Economist, Texas A&M AgriLife Extension.

**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.**