

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Irrigated Sesame - 122 Acres
South Plains Extension District - 2

Crop Acres		122				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
Sesame - Irrigated		1,500.00	Pound	\$0.28	\$420.00	\$51,240.00
Total Revenue					\$420.00	\$51,240.00
VARIABLE COSTS						
Production Costs		Quantity	Units	\$/Unit	Total	Enterprise Total
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	\$0.40	\$29.88	\$3,645.70
Fertilizer (P) - Liquid		30	Pound	\$0.52	\$15.66	\$1,910.74
Herbicide						
Herbicide - Sesame		1	Acre	\$21.75	\$21.75	\$2,653.50
Miscellaneous						
Crop Insurance Sesame - Irrigated		1	Acre	\$12.50	\$12.50	\$1,525.00
Seed						
Seed - Sesame		2.5	Pound	\$4.00	\$10.00	\$1,220.00
Other Labor						
Hoing		1	Acre	\$15.00	\$15.00	\$1,830.00
Irrigation						
Energy Cost		11.00	AcreInch	\$11.00	\$121.00	\$14,762.00
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	\$1.84	\$4.42	\$538.75
Gasoline						
Pickup/General Use Equipment		1	Acre	\$3.88	\$3.88	\$472.88
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%	\$7.72	\$942.33
Total Variable Costs					\$324.91	\$39,639.10
Planned Returns Above Variable Costs:					\$95.09	\$11,600.90
Breakeven Price to Cover Variable Costs				\$0.22	Pound	
FIXED COSTS						
Equipment Fixed Costs		Quantity	Units	\$/Unit	Total	Enterprise Total
Pickup/General Use Equipment		1	Acre	\$1.25	\$1.25	\$152.50
Irrigation Equipment		1	Acre	\$55.00	\$55.00	\$6,710.00
Tractors/Self-Propelled		1	Acre	\$12.00	\$12.00	\$1,464.00
Implements		1	Acre	\$10.00	\$10.00	\$1,220.00
Management Fee, Owner/Operator Labor		1	Acre	\$30.00	\$30.00	\$3,660.00
Cash Rent - Sesame		1	Acre	\$100.00	\$100.00	\$12,200.00
Whole Farm Insurance		1	Acre	\$2.00	\$2.00	\$244.00
Total Fixed Costs					\$210.25	\$25,650.50
Total Specified Costs					\$535.16	\$65,289.60
Returns Above Specified Costs					(\$115.16)	(\$14,049.60)
Breakeven Price to Cover Total Costs				\$0.36	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1125.00	\$0.29	\$0.48
90%	1350.00	\$0.24	\$0.40
100%	1500.00	\$0.22	\$0.36
110%	1650.00	\$0.20	\$0.32
125%	1875.00	\$0.17	\$0.29

Developed by Jackie Smith, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-746-6101.

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.