

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Irrigated Sesame
South Plains Extension District - 2

Crop Acres		122				
				Enterprise		
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Sesame - Irrigated	1,500.00	Pound	\$0.32	\$480.00	\$58,560.00	
Total Revenue				\$480.00	\$58,560.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
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	
Fertilizer						
Fertilizer (P) - Liquid	30	Pound	\$0.71	\$21.40	\$2,610.44	
Fertilizer (N) - Liquid	75	Pound	\$0.46	\$34.57	\$4,217.58	
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	
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	\$10.00	\$110.00	\$13,420.00	
Irrigation Labor	1.00	Hour	\$12.00	\$12.00	\$1,464.00	
Machinery Labor						
Tractors/Self-Propelled	0.46	Hour	\$12.00	\$5.52	\$673.44	
Other Labor	0.54	Hour	\$12.00	\$6.48	\$790.56	
Diesel Fuel						
Tractors/Self-Propelled	2.4	Gallon	\$2.40	\$5.76	\$702.72	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.00	\$4.00	\$488.00	
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%	\$8.25	\$1,006.03	
Total Variable Costs				\$327.52	\$39,957.87	
Planned Returns Above Variable Costs:				\$152.48	\$18,602.13	
Breakeven Price to Cover Variable Costs			\$0.22	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Equipment Fixed Costs						
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	\$25.00	\$25.00	\$3,050.00	
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				\$205.25	\$25,040.50	
Total Specified Costs				\$532.77	\$64,998.37	
Returns Above Specified Costs				(\$52.77)	(\$6,438.37)	
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	\$0.47
90%	1350.00	\$0.24	\$0.39
100%	1500.00	\$0.22	\$0.36
110%	1650.00	\$0.20	\$0.32
125%	1875.00	\$0.17	\$0.28

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.