

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 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	
Production Costs					Total	
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	\$0.57	\$17.21	\$2,099.12	
Fertilizer (N) - Liquid	75	Pound	\$0.39	\$29.30	\$3,574.22	
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	\$2.30	\$5.52	\$673.44	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.00	\$6.00	\$732.00	
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%	\$7.96	\$970.94	
Total Variable Costs				\$319.53	\$38,982.82	
Planned Returns Above Variable Costs:				\$160.47	\$19,577.18	
Breakeven Price to Cover Variable Costs			\$0.21	Pound		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Equipment Fixed Costs					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	\$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				\$524.78	\$64,023.32	
Returns Above Specified Costs					(\$44.78)	(\$5,463.32)
Breakeven Price to Cover Total Costs			\$0.35	Pound		

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	1125.00	\$0.28	\$0.47
90%	1350.00	\$0.24	\$0.39
100%	1500.00	\$0.21	\$0.35
110%	1650.00	\$0.19	\$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.