

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2017 Estimated Costs and Returns per Acre
Irrigated Sesame - 122 Acres
Southwest Extension District - 10

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		Total
Sesame	10.00	CWT	\$31.00	\$310.00		\$37,820.00
Total Revenue				\$310.00		\$37,820.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Production Costs						
Herbicide						
Select Max	0.1	Gallon	\$65.00	\$6.50		\$793.00
Seed						
Sesame Seed	2.5	Pound	\$3.50	\$8.75		\$1,067.50
Fertilizer						
UAN(32% N)	1.13	CWT	\$12.00	\$13.56		\$1,654.32
Fertilizer 18-46-0	76	Pound	\$0.22	\$16.72		\$2,039.84
Miscellaneous						
Crop Insurance - Sesame Irrigated	1	Acre	\$27.00	\$27.00		\$3,294.00
Miscellaneous Sesame Overhead	1	Acre	\$4.00	\$4.00		\$488.00
Irrigation						
Energy Cost	552.50	kWh	\$0.17	\$93.93		\$11,458.85
Machinery Labor						
Tractors/Self-Propelled	1.01	Hour	\$12.00	\$12.12		\$1,478.64
Diesel Fuel						
Tractors/Self-Propelled	7.33	Gallon	\$1.83	\$13.41		\$1,636.50
Gasoline						
Pickup/General Use Equipment	1	Acre	\$20.23	\$20.23		\$2,467.54
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84		\$590.37
Irrigation Equipment	1	Acre	\$5.75	\$5.75		\$701.01
Tractors/Self-Propelled	1	Acre	\$24.15	\$24.15		\$2,945.79
Implements	1	Acre	\$12.96	\$12.96		\$1,580.78
Interest on Credit Line			6.50%	\$7.08		\$864.03
Total Variable Costs				\$270.98		\$33,060.17
Planned Returns Above Variable Costs:						\$39.02
Breakeven Price to Cover Variable Costs			\$27.10	CWT		\$4,759.83
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20		\$3,074.85
Irrigation Equipment	1	Acre	\$56.20	\$56.20		\$6,856.67
Tractors/Self-Propelled	1	Acre	\$23.94	\$23.94		\$2,920.67
Implements	1	Acre	\$15.55	\$15.55		\$1,896.59
Equipment Investment						
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83		\$832.77
Irrigation Equipment	\$421.52	Dollars	6.50%	\$27.40		\$3,342.63
Tractors/Self-Propelled	\$182.31	Dollars	6.50%	\$11.85		\$1,445.74
Implements	\$81.15	Dollars	6.50%	\$5.28		\$643.56
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00		\$6,100.00
Total Fixed Costs				\$222.24		\$27,113.47
Total Specified Costs				\$493.23		\$60,173.64
Returns Above Specified Costs					(\$183.23)	(\$22,353.64)
Breakeven Price to Cover Total Costs			\$49.32	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	7.50	\$36.13	\$65.76
90%	9.00	\$30.11	\$54.80
100%	10.00	\$27.10	\$49.32
110%	11.00	\$24.63	\$44.84
125%	12.50	\$21.68	\$39.46

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

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.