

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2018 Estimated Costs and Returns per Acre**  
**Irrigated Sesame**  
**Southwest Extension District - 10**

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Sesame	10.00	CWT	\$35.00	\$350.00	\$42,700.00
<b>Total Revenue</b>				<b>\$350.00</b>	<b>\$42,700.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Fertilizer					
UAN(32% N)	1.13	CWT	\$17.00	\$19.21	\$2,343.62
Fertilizer 18-46-0	76	Pound	\$0.24	\$18.24	\$2,225.28
Herbicide					
Select Max	0.1	Gallon	\$65.00	\$6.50	\$793.00
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
Seed					
Sesame Seed	2.5	Pound	\$3.50	\$8.75	\$1,067.50
Irrigation					
Energy Cost	552.50	kWh	\$0.17	\$93.93	\$11,458.85
Machinery Labor					
Tractors/Self-Propelled	0.79	Hour	\$12.00	\$9.48	\$1,156.56
Other Labor	0.23	Hour	\$8.50	\$1.96	\$238.51
Diesel Fuel					
Tractors/Self-Propelled	7.3	Gallon	\$2.14	\$15.62	\$1,905.88
Gasoline					
Pickup/General Use Equipment	1	Acre	\$23.13	\$23.13	\$2,821.74
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	\$24.20	\$24.20	\$2,952.34
Implements	1	Acre	\$12.79	\$12.79	\$1,560.83
Interest on Credit Line			6.50%	\$7.75	\$945.85
<b>Total Variable Costs</b>				<b>\$283.14</b>	<b>\$34,543.34</b>
Planned Returns Above Variable Costs:				\$66.86	\$8,156.66
Breakeven Price to Cover Variable Costs			\$28.31	CWT	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
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	\$24.06	\$24.06	\$2,935.45
Implements	1	Acre	\$15.28	\$15.28	\$1,864.49
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	\$183.30	Dollars	6.50%	\$11.91	\$1,453.53
Implements	\$80.23	Dollars	6.50%	\$5.21	\$636.22
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
<b>Total Fixed Costs</b>				<b>\$222.10</b>	<b>\$27,096.61</b>
<b>Total Specified Costs</b>				<b>\$505.25</b>	<b>\$61,639.95</b>
Returns Above Specified Costs				<b>(\$155.25)</b>	<b>(\$18,939.95)</b>
Breakeven Price to Cover Total Costs			\$50.52	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	7.50	\$37.75	\$67.37
90%	9.00	\$31.46	\$56.14
100%	10.00	\$28.31	\$50.52
110%	11.00	\$25.74	\$45.93
125%	12.50	\$22.65	\$40.42

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.**