

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2016 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 Seed	10.00	CWT	\$31.00	\$310.00		\$37,820.00
<b>Total Revenue</b>				<b>\$310.00</b>		<b>\$37,820.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise Total
<b>Production Costs</b>						
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	\$16.00	\$18.08		\$2,205.76
Fertilizer 18-46-0	76	Pound	\$0.27	\$20.52		\$2,503.44
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	1.02	Hour	\$12.00	\$12.24		\$1,493.28
Diesel Fuel						
Tractors/Self-Propelled	7.41	Gallon	\$2.10	\$15.56		\$1,898.44
Gasoline						
Pickup/General Use Equipment	1	Acre	\$19.35	\$19.35		\$2,361.29
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	\$21.87	\$21.87		\$2,668.71
Implements	1	Acre	\$13.41	\$13.41		\$1,636.10
Interest on Credit Line			6.50%	\$7.25		\$884.20
<b>Total Variable Costs</b>				<b>\$279.05</b>		<b>\$34,043.96</b>
Planned Returns Above Variable Costs:						\$30.95
Breakeven Price to Cover Variable Costs			\$27.90	CWT		\$3,776.04
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	\$22.49	\$22.49		\$2,744.25
Implements	1	Acre	\$16.20	\$16.20		\$1,976.83
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	\$172.94	Dollars	6.50%	\$11.24		\$1,371.42
Implements	\$81.60	Dollars	6.50%	\$5.30		\$647.07
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00		\$6,100.00
<b>Total Fixed Costs</b>				<b>\$220.87</b>		<b>\$26,946.49</b>
<b>Total Specified Costs</b>				<b>\$499.92</b>		<b>\$60,990.45</b>
Returns Above Specified Costs						(\$189.92) (\$23,170.45)
<b>Breakeven Price to Cover Total Costs</b>			\$49.99	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	7.50	\$37.21	\$66.66
90%	9.00	\$31.01	\$55.55
100%	10.00	\$27.90	\$49.99
110%	11.00	\$25.37	\$45.45
125%	12.50	\$22.32	\$39.99

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

**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.**