

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2015 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	\$45.00	\$450.00	\$54,900.00
Quality Premium - Sesame	10.00	CWT	\$5.00	\$50.00	\$6,100.00
<b>Total Revenue</b>				<b>\$500.00</b>	<b>\$61,000.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
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	\$0.28	\$21.28	\$2,596.16
Miscellaneous					
Miscellaneous Sesame Overhead	1	Acre	\$4.00	\$4.00	\$488.00
Crop Insurance - Sesame Irrigatec	1	Acre	\$11.00	\$11.00	\$1,342.00
Herbicide					
Select Max	0.1	Gallon	\$85.00	\$8.50	\$1,037.00
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	\$2.15	\$15.93	\$1,943.64
Gasoline					
Pickup/General Use Equipment	1	Acre	\$29.44	\$29.44	\$3,591.42
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$6.72	\$6.72	\$819.96
Irrigation Equipment	1	Acre	\$5.75	\$5.75	\$701.00
Tractors/Self-Propelled	1	Acre	\$23.13	\$23.13	\$2,822.04
Implements	1	Acre	\$13.41	\$13.41	\$1,636.10
Interest on Credit Line			6.50%	\$7.16	\$873.35
<b>Total Variable Costs</b>				<b>\$279.31</b>	<b>\$34,076.07</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$220.69</b>	<b>\$26,923.93</b>
Breakeven Price to Cover Variable Costs			\$22.93 CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	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	\$22.90	\$22.90	\$2,794.17
Implements	1	Acre	\$16.20	\$16.20	\$1,976.83
Equipment Investment					
Pickup/General Use Equipment	\$168.02	Dollars	6.50%	\$10.92	\$1,332.44
Irrigation Equipment	\$843.03	Dollars	6.50%	\$54.80	\$6,685.25
Tractors/Self-Propelled	\$260.14	Dollars	6.50%	\$16.91	\$2,062.87
Implements	\$138.80	Dollars	6.50%	\$9.02	\$1,100.68
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
<b>Total Fixed Costs</b>				<b>\$262.16</b>	<b>\$31,983.76</b>
<b>Total Specified Costs</b>				<b>\$541.47</b>	<b>\$66,059.83</b>
<b>Returns Above Specified Costs</b>				<b>(\$41.47)</b>	<b>(\$5,059.83)</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$49.15 CWT</b>		

Example Breakeven Prices						
Example Yield Percent	Example Yield CWT	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share Tenant	Own/Rent	Share Tenant	Landlord
75%	7.50	\$30.57	\$30.57	\$65.53	\$65.53	\$0.00
90%	9.00	\$25.48	\$25.48	\$54.61	\$54.61	\$0.00
100%	10.00	\$22.93	\$22.93	\$49.15	\$49.15	\$0.00
110%	11.00	\$20.85	\$20.85	\$44.68	\$44.68	\$0.00
125%	12.50	\$18.34	\$18.34	\$39.32	\$39.32	\$0.00

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.**