

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Irrigated Sesame - 122 Acres
Southwest Extension District - 10

Crop Acres		122				Enterprise
		Quantity	Units	\$/Unit	Total	Total
REVENUE						
Sesame Seed		10.00	CWT	\$42.00	\$420.00	\$51,240.00
Quality Premium - Sesame		10.00	CWT	\$2.00	\$20.00	\$2,440.00
Total Revenue					\$440.00	\$53,680.00
VARIABLE COSTS						
		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Sesame Seed		2.5	Pound	\$3.50	\$8.75	\$1,067.50
Fertilizer						
UAN(32% N)		1.13	CWT	\$17.00	\$19.21	\$2,343.62
Fertilizer 18-46-0		76	Pound	\$0.25	\$19.00	\$2,318.00
Herbicide						
Select Max		0.1	Gallon	\$100.00	\$10.00	\$1,220.00
Miscellaneous						
Miscellaneous Sesame Overhead		1	Acre	\$4.00	\$4.00	\$488.00
Irrigation						
Energy or Water Cost		384.62	kWh	\$0.18	\$69.23	\$8,446.18
Machinery Labor						
Tractors/Self-Propelled		0.66	Hour	\$12.00	\$7.92	\$966.24
Diesel Fuel						
Tractors/Self-Propelled		5.05	Gallon	\$2.85	\$14.39	\$1,755.89
Gasoline						
Pickup/General Use Equipment		1	Acre	\$32.93	\$32.93	\$4,017.80
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$6.72	\$6.72	\$819.96
Irrigation Equipment		1	Acre	\$4.00	\$4.00	\$488.00
Tractors/Self-Propelled		1	Acre	\$2.89	\$2.89	\$352.08
Implements		1	Acre	\$3.41	\$3.41	\$416.26
Interest on Credit Line				6.50%	\$5.49	\$669.19
Total Variable Costs					\$207.94	\$25,368.72
Planned Returns Above Variable Costs:					\$232.06	\$28,311.28
Breakeven Price to Cover Variable Costs					\$18.79 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	\$46.33	\$46.33	\$5,652.72
Tractors/Self-Propelled		1	Acre	\$10.09	\$10.09	\$1,231.15
Implements		1	Acre	\$3.26	\$3.26	\$397.69
Equipment Investment						
Pickup/General Use Equipment	\$168.02		Dollars	6.50%	\$10.92	\$1,332.44
Irrigation Equipment	\$695.01		Dollars	6.50%	\$45.18	\$5,511.40
Tractors/Self-Propelled	\$121.10		Dollars	6.50%	\$7.87	\$960.32
Implements	\$46.26		Dollars	6.50%	\$3.01	\$366.84
Irrigated Winter Garden Rent		1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs					\$201.86	\$24,627.39
Total Specified Costs					\$409.80	\$49,996.11
Returns Above Specified Costs					\$30.20	\$3,683.89
Breakeven Price to Cover Total Costs					\$38.98 CWT	

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	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	7.50	\$25.06	\$25.06	\$51.97	\$51.97	\$0.00
90%	9.00	\$20.88	\$20.88	\$43.31	\$43.31	\$0.00
100%	10.00	\$18.79	\$18.79	\$38.98	\$38.98	\$0.00
110%	11.00	\$17.09	\$17.09	\$35.44	\$35.44	\$0.00
125%	12.50	\$15.04	\$15.04	\$31.18	\$31.18	\$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.