

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 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	\$39.00	\$390.00	\$47,580.00
Total Revenue				\$390.00	\$47,580.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Fertilizer					
UAN(32% N)	1.13	CWT	\$12.95	\$14.63	\$1,785.29
Fertilizer 18-46-0	76	Pound	\$0.25	\$18.62	\$2,271.64
Herbicide					
Select Max	0.1	Gallon	\$70.20	\$7.02	\$856.44
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
Seed					
Sesame Seed	2.5	Pound	\$3.50	\$8.75	\$1,067.50
Irrigation					
Energy Cost	561.00	kWh	\$0.17	\$95.37	\$11,635.14
Irrigation Labor	0.07	Hour	\$11.00	\$0.75	\$91.26
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	\$2.49	\$18.18	\$2,217.59
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	\$5.29	\$5.29	\$645.13
Tractors/Self-Propelled	1	Acre	\$26.48	\$26.48	\$3,230.10
Implements	1	Acre	\$13.32	\$13.32	\$1,625.23
Interest on Credit Line			6.50%	\$7.44	\$907.15
Total Variable Costs				\$286.24	\$34,921.65
Planned Returns Above Variable Costs:				\$103.76	\$12,658.35
Breakeven Price to Cover Variable Costs			\$28.62	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	\$80.58	\$80.58	\$9,831.25
Tractors/Self-Propelled	1	Acre	\$26.40	\$26.40	\$3,220.42
Implements	1	Acre	\$16.02	\$16.02	\$1,954.21
Equipment Investment					
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77
Irrigation Equipment	\$646.00	Dollars	6.50%	\$41.99	\$5,122.81
Tractors/Self-Propelled	\$201.09	Dollars	6.50%	\$13.07	\$1,594.64
Implements	\$83.52	Dollars	6.50%	\$5.43	\$662.31
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$265.52	\$32,393.27
Total Specified Costs				\$551.76	\$67,314.91
Returns Above Specified Costs				(\$161.76)	(\$19,734.91)
Breakeven Price to Cover Total Costs			\$55.18	CWT	

Example Breakeven Prices

Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	7.50	\$38.17	\$73.57
90%	9.00	\$31.80	\$61.31
100%	10.00	\$28.62	\$55.18
110%	11.00	\$26.02	\$50.16
125%	12.50	\$22.90	\$44.14

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.