

Projections for Planning Purposes Only -- Not to be Used without Updating
2013 Estimated Costs and Returns per Acre
Irrigated Sorghum - 100 Acres
Southwest Extension District - 10

Crop Acres		100				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Sorghum		65.00	CWT	\$10.00	\$650.00	\$65,000.00
Other Revenue		0.00	Acre	\$0.00	\$0.00	\$0.00
Other Revenue		0.00	Acre	\$0.00	\$0.00	\$0.00
Total Revenue					\$650.00	\$65,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Seed Sorghum Irrigated		0.17	Bag	\$167.50	\$28.48	\$2,847.50
Crop Insurance						
Crop Insurance Sorghum		1	Acre	\$4.25	\$4.25	\$425.00
Insecticide						
Lanate		0.5	Pint	\$8.96	\$4.48	\$448.00
Dimethoate		0.5	Pint	\$5.58	\$2.79	\$279.00
Fertilizer						
Nitrogen N32		120	Pounds	\$0.60	\$71.72	\$7,171.88
Phosphate		40	Pounds	\$0.47	\$18.89	\$1,889.35
Miscellaneous Administrative Overhead						
Misc. Overhead		1	Acre	\$1.20	\$1.20	\$120.00
Herbicide						
Atrazine		2	Quart	\$3.63	\$7.26	\$726.00
Entro		6.25	Quart	\$6.25	\$39.06	\$3,906.25
Custom						
Custom Application		2	Acre	\$5.00	\$10.00	\$1,000.00
Custom Harvest		1	Acre	\$25.00	\$25.00	\$2,500.00
Custom Haul		65	CWT	\$0.30	\$19.50	\$1,950.00
Irrigation						
Irrigation Costs		8.5	Acre-Inch	\$7.00	\$59.50	\$5,950.00
Operator Labor						
Tractors		1.6635	Hour	\$0.00	\$0.00	\$0.00
Irrigation Labor						
Labor		0.425	Hour	\$0.00	\$0.00	\$0.00
Diesel Fuel						
Tractors		7.97278	Gallon	\$3.30	\$26.31	\$2,631.02
Gasoline						
Pickup		0.91	Gallon	\$3.20	\$2.91	\$291.20
Repairs & Maintenance						
Tractors		1	Acre	\$12.39	\$12.39	\$1,238.84
Implements		1	Acre	\$5.93	\$5.93	\$593.26
Pickup		1	Acre	\$1.00	\$1.00	\$100.33
Irrigation		1	Acre	\$3.40	\$3.40	\$340.00
Interest on Credit Line						
				6.50%	\$8.41	\$840.62
Total Variable Costs					\$352.48	\$35,248.24
Planned Returns Above Variable Costs:					\$297.52	\$29,751.76
Breakeven Price to Cover Variable Costs				\$5.42	CWT	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery						
Tractors		1	Acre	\$23.79	\$23.79	\$2,378.76
Implements		1	Acre	\$12.83	\$12.83	\$1,283.46
Pickup		1	Acre	\$3.62	\$3.62	\$361.67
Irrigation		1	Acre	\$7.65	\$7.65	\$765.00
Land Rent						
		1	Acre	\$65.00	\$65.00	\$6,500.00
Total Fixed Costs					\$112.89	\$11,288.89
Total Specified Costs					\$465.37	\$46,537.13
Returns Above Specified Costs					\$184.63	\$18,462.87
Breakeven Price to Cover Total Costs				\$7.16	CWT	

Breakeven Prices						
Yield Percent	Yield CWT	Variable Costs		Total Costs		
		Full	Tenant	Full	Tenant	Landlord
75%	48.75	\$7.23	\$7.23	\$9.55	\$9.55	\$0.00
90%	58.50	\$6.03	\$6.03	\$7.96	\$7.96	\$0.00
100%	65.00	\$5.42	\$5.42	\$7.16	\$7.16	\$0.00
110%	71.50	\$4.93	\$4.93	\$6.51	\$6.51	\$0.00
125%	81.25	\$4.34	\$4.34	\$5.73	\$5.73	\$0.00

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation.