Projections for Planning Purposes Only -- Not to be Used without Updating 2013 Estimated Costs and Returns per Acre Grain Sorghum - 500 Acres Central Texas Extension District - 8

Crop Acres 500

REVENUE	DEV/ENLIE		Ougntity	Units	\$/Unit	Total	Enterprise Total
Other Revenue 0.00 Other Revenue Acre Standard \$0.00	REVENUE Sorahum						
Other Revenue							
Name							
MARIABLE COSTS			0.00	710.0	40.00		
VARIABLE COSTS							
Fertilizer			Quantity	Units	\$/Unit	Total	
Re-46-0							
Repairs & Maintenance Repairs &	Fertilizer				4		
Herbicide							
Neseticide	Harbisida		100	Pounas	\$0.48	\$48.00	\$24,000.00
Insecticide	Herbicide		1 5	Quart	¢6 50	¢α 75	¢4 975 00
Soil Insecticide	Insecticio	0 0	1.5	Quart	\$0.50	φ9.73	\$4,073.00
Insecticide - Midge	msection		2.5	Δcre	\$8.00	\$20.00	\$10,000,00
Treated Sorghum Seed 20							. ,
Treated Sorghum Seed 20	Seed	modelionae i-nage	•	71010	Ψ0.00	Ψ0.00	Ψ1,500.00
Dry Fertilizer Rig		Treated Sorghum Seed	20	Pounds	\$1.90	\$38.00	\$19,000,00
Custom Combine Custom Hauling 1 Acre Custom Stance Custom Hauling \$ CWT \$ 19.00 \$ 9,500.00 Custom St,625.00 Crop Insurance Implements 4.01 Gallons St,625 St,073 St,075.55 \$ 5,07.55 \$ 5,307.55 \$ 5,307.55 \$ 364.51 \$ 3	Custom				*****	******	 ,
Custom Combine Custom Hauling 1 Acre Custom Stance \$19.00 \$9,500.00 \$0 \$9,500.00 \$1.25 \$11.25 \$5,625.00 Crop Insurance Implements 4.01 Gallons \$2.65 \$10.62 \$5,307.55 \$5,307.55 \$364.51 \$364.51 \$364.51 \$364.51 \$364.51 \$364.51 \$364.51 \$2,232.59 \$364.51 \$2,232.59 \$364.51 \$2,232.59 \$1,464.29 \$2.93 \$1,464.29 \$31,464.29 \$321.43 \$321.43 \$364.51 \$2,232.59 \$364.51 \$2,232.59 \$364.51 \$2,232.59 \$364.51 \$321.43 \$321.43 \$321.43 \$364.51 \$321.43 \$321.43 \$321.43 \$321.43 \$366.51		Dry Fertilizer Rig	1	Acre	\$3.00	\$3.00	\$1,500.00
Crop Insurance		Custom Combine	1	Acre	\$19.00	\$19.00	\$9,500.00
Insurance - APH 65/100		Custom Hauling	45	CWT	\$0.25	\$11.25	\$5,625.00
Diesel Fuel	Crop Insu	irance					
Tractors		Insurance - APH 65/100	1	Acre	\$8.00	\$8.00	\$4,000.00
Self-Propelled Equipment O.28 Gallons \$2.65 \$0.73 \$364.51 Repairs & Maintenance Implements 1 Acre \$4.47 \$4.47 \$2,232.59 Tractors 1 Acre \$2.93 \$2.93 \$1,464.29 Self-Propelled Equipment 1 Acre \$0.64 \$0.64 \$321.43 Operator Labor Tractors O.45 Hours \$10.00 \$4.51 \$2,255.00 Self-Propelled Equipment O.04 Hours \$10.00 \$0.36 \$180.00 Interest on Credit Line 4.75% \$5.60 \$2,799.44 Total Variable Costs \$195.15 \$97,575.19 Breakeven Price to Cover Variable Costs \$195.15 \$97,575.19 FIXED COSTS Quantity Units \$/Unit Total Total Machinery Implements 1 Acre \$10.76 \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$299.73 \$149,862.61 Returns Above Specifiied Costs \$150.27 \$75,137.39	Diesel Fu	el					
Repairs & Maintenance Implements 1 Acre \$4.47 \$4.47 \$2,232.59 Tractors 1 Acre \$2.93 \$2.93 \$1,464.29 Self-Propelled Equipment 1 Acre \$0.64 \$0.64 \$321.43 Operator Labor							. ,
Implements			0.28	Gallons	\$2.65	\$0.73	\$364.51
Tractors	Repairs &						
Self-Propelled Equipment 1 Acre \$0.64 \$0.64 \$321.43 Operator Labor Tractors 0.45 Hours \$10.00 \$4.51 \$2,255.00 Self-Propelled Equipment 0.04 Hours \$10.00 \$0.36 \$180.00 Interest on Credit Line 4.75% \$5.60 \$2,799.44 Total Variable Costs \$254.85 \$127,424.81 Planned Returns Above Variable Costs: \$5.66 CWT Breakeven Price to Cover Variable Costs \$5.66 CWT Enterprise FIXED COSTS Quantity Units \$7.01 Total Machinery Implements 1 Acre \$10.76 \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$444.88 \$22,437.81 Total Specified Costs \$150.27 \$75,137.39							
Operator Labor							,
Tractors Self-Propelled Equipment O.04 Hours \$10.00 \$4.51 \$2,255.00			1	Acre	\$0.64	\$0.64	\$321.43
Self-Propelled Equipment Interest on Credit Line 0.04 Hours \$10.00 \$0.36 \$180.00 Interest on Credit Line 4.75% \$5.60 \$2,799.44 Total Variable Costs \$254.85 \$127,424.81 Planned Returns Above Variable Costs: \$195.15 \$97,575.19 Breakeven Price to Cover Variable Costs \$5.66 CWT Enterprise FIXED COSTS Quantity Units \$/Unit Total Total Machinery Implements 1 Acre \$10.76 \$10.76 \$5,380.96 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$150.27 \$75,137.39	Operator		0.45		#10.00	#4 F1	#2.255.00
Interest on Credit Line							. ,
State Stat	Interest		0.04	Hours			
Planned Returns Above Variable Costs \$195.15 \$97,575.19 Breakeven Price to Cover Variable Costs \$5.66 CWT Enterprise FIXED COSTS Quantity Units \$/Unit Total Total Machinery Implements 1 Acre \$10.76 \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$11.11 \$11.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$150.27 \$75,137.39 Returns Above Specified Costs \$150.27 \$75,137.39					4.7 3%		
Breakeven Price to Cover Variable Costs \$5.66 CWT Enterprise					=		
FIXED COSTS Quantity Units \$/Unit Total Enterprise Total Machinery Implements 1 Acre \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$150.27 \$75,137.39 Returns Above Specified Costs					# F.CC /		\$97,575.19
FIXED COSTS Quantity Units \$/Unit Total Total Machinery Implements 1 Acre \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$150.27 \$75,137.39 Returns Above Specified Costs	Breakeve	n Price to Cover variable Co	STS		\$5.66	∠W I	Catanania a
Machinery Implements 1 Acre \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39	FIVED COSTS		Quantity	Linita	¢ /Llni+	Total	
Implements 1 Acre \$10.76 \$5,380.96 Tractors 1 Acre \$8.00 \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39			Quaritity	UTILS	\$/UIIIL	TOLAI	TOLAI
Tractors 1 Acre \$8.00 \$4,002.38 Self-Propelled Equipment 1 Acre \$1.11 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39	Machiner	•	1	Acre	\$10.76	\$10.76	\$5 380 96
Self-Propelled Equipment Land Rent 1 Acre Land Rent \$1.11 Acre \$25.00 \$1.11 \$554.46 Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39							
Land Rent 1 Acre \$25.00 \$25.00 \$12,500.00 Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39							
Total Fixed Costs \$44.88 \$22,437.81 Total Specified Costs \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39	Land Ren						
Total Specified Costs \$299.73 \$149,862.61 Returns Above Specified Costs \$150.27 \$75,137.39	Total Fixed Co	osts					
Returns Above Specified Costs \$150.27 \$75,137.39					=		
·					=		,
Breakeven Price to Cover Total Costs \$6.66 CWT	Returns Above Specifiied Costs					\$150.27	\$75,137.39
	Breakeven	Price to Cover Total Costs			\$6.66	CWT	

		Breakeven Prices						
Yield	Yield	Variable Costs		Total Costs				
Percent	CWT	Full	Tenant	Full	Tenant	Landlord		
75%	33.75	\$7.47	\$7.47	\$8.80	\$8.80	\$0.00		
90%	40.50	\$6.26	\$6.26	\$7.37	\$7.37	\$0.00		
100%	45.00	\$5.66	\$5.66	\$6.66	\$6.66	\$0.00		
110%	49.50	\$5.17	\$5.17	\$6.08	\$6.08	\$0.00		
125%	56.25	\$4.58	\$4.58	\$5.38	\$5.38	\$0.00		

Developed by Jason Johnson, 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.