

Projections for Planning Purposes Only -- Not to be Used without Updating
2013 Estimated Costs and Returns per Acre
RR Corn Silage (Dryland) - 500 Acres
Central Texas Extension District - 8

Crop Acres		500						
REVENUE				Quantity	Units	\$/Unit	Total	Enterprise Total
Corn Silage		12.00	Ton	\$37.90	\$454.80	\$227,400.00		
Other Revenue		0.00	Acre	\$0.00	\$0.00	\$0.00		
Other Revenue		0.00	Acre	\$0.00	\$0.00	\$0.00		
Total Revenue					\$454.80	\$227,400.00		
VARIABLE COSTS				Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs								
Fertilizer								
18-46-0		200	Pounds	\$0.65	\$130.00	\$65,000.00		
0-0-60		150	Pounds	\$0.30	\$45.00	\$22,500.00		
46-0-0		150	Pounds	\$0.25	\$37.50	\$18,750.00		
Liquid 32 N		300	Pounds	\$0.21	\$63.00	\$31,500.00		
Custom								
Custom Fertilize		1	Acre	\$5.00	\$5.00	\$2,500.00		
Custom Spray		1	Acre	\$7.00	\$7.00	\$3,500.00		
Herbicide								
Post Plant Herbicide		1	Quart	\$8.75	\$8.75	\$4,375.00		
Seed								
HR Corn Silage Seed		24	Thousand	\$3.00	\$72.00	\$36,000.00		
Diesel Fuel								
Tractors		0.96	Gallons	\$2.65	\$2.55	\$1,273.31		
Repairs & Maintenance								
Implements		1	Acre	\$1.38	\$1.38	\$692.03		
Tractors		1	Acre	\$0.73	\$0.73	\$365.18		
Operator Labor								
Tractors		0.12	Hours	\$10.00	\$1.23	\$616.00		
Interest on Credit Line								
				4.75%	\$5.33	\$2,664.64		
Total Variable Costs					\$379.47	\$189,736.16		
Planned Returns Above Variable Costs:					\$75.33	\$37,663.84		
Breakeven Price to Cover Variable Costs					\$31.62	Ton		
FIXED COSTS				Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery								
Implements		1	Acre	\$3.10	\$3.10	\$1,548.81		
Tractors		1	Acre	\$2.00	\$2.00	\$998.15		
Land Rent		1	Acre	\$25.00	\$25.00	\$12,500.00		
Total Fixed Costs					\$30.09	\$15,046.96		
Total Specified Costs					\$409.57	\$204,783.12		
Returns Above Specified Costs					\$45.23	\$22,616.88		
Breakeven Price to Cover Total Costs					\$34.13	Ton		

Breakeven Prices						
Yield Percent	Yield Ton	Variable Costs		Total Costs		
		Full	Tenant	Full	Tenant	Landlord
75%	9.00	\$42.16	\$42.16	\$45.51	\$45.51	\$0.00
90%	10.80	\$35.14	\$35.14	\$37.92	\$37.92	\$0.00
100%	12.00	\$31.62	\$31.62	\$34.13	\$34.13	\$0.00
110%	13.20	\$28.75	\$28.75	\$31.03	\$31.03	\$0.00
125%	15.00	\$25.30	\$25.30	\$27.30	\$27.30	\$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.

Projections for Planning Purposes Only -- Not to be Used without Updating
2013 Estimated Costs and Returns per Acre
RR Corn Silage (Irrigated) - 500 Acres
Central Texas Extension District - 8

Crop Acres		500				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn Silage	25.00	Ton	\$37.90	\$947.50	\$473,750.00	\$473,750.00
Other Revenue	0.00	Acre	\$0.00	\$0.00	\$0.00	\$0.00
Other Revenue	0.00	Acre	\$0.00	\$0.00	\$0.00	\$0.00
Total Revenue				\$947.50	\$473,750.00	\$473,750.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
18-46-0	200	Pounds	\$0.65	\$130.00	\$65,000.00	\$65,000.00
0-0-60	150	Pounds	\$0.48	\$72.00	\$36,000.00	\$36,000.00
46-0-0	150	Pounds	\$0.60	\$90.00	\$45,000.00	\$45,000.00
Liquid 32 N	600	Pounds	\$0.48	\$288.00	\$144,000.00	\$144,000.00
Custom						
Custom Fertilize	1	Acre	\$5.00	\$5.00	\$2,500.00	\$2,500.00
Custom Spray	2	Acre	\$7.00	\$14.00	\$7,000.00	\$7,000.00
Herbicide						
Post Plant Herbicide	1	Quart	\$8.75	\$8.75	\$4,375.00	\$4,375.00
Seed						
HR Corn Silage Seed	32	Thousand	\$3.00	\$96.00	\$48,000.00	\$48,000.00
Irrigation						
Irrigation - Corn Silage	20	Acre/Inch	\$7.00	\$140.00	\$70,000.00	\$70,000.00
Diesel Fuel						
Tractors	0.96	Gallons	\$2.65	\$2.55	\$1,273.31	\$1,273.31
Repairs & Maintenance						
Implements	1	Acre	\$1.38	\$1.38	\$692.03	\$692.03
Tractors	1	Acre	\$0.73	\$0.73	\$365.18	\$365.18
Operator Labor						
Tractors	0.12	Hours	\$10.00	\$1.23	\$616.00	\$616.00
Interest on Credit Line			4.75%	\$12.55	\$6,275.85	\$6,275.85
Total Variable Costs				\$862.19	\$431,097.37	\$431,097.37
Planned Returns Above Variable Costs:				\$85.31	\$42,652.63	\$42,652.63
Breakeven Price to Cover Variable Costs			\$34.49	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery						
Implements	1	Acre	\$3.10	\$3.10	\$1,548.81	\$1,548.81
Tractors	1	Acre	\$2.00	\$2.00	\$998.15	\$998.15
Irrigated Land Rent	1	Acre	\$45.00	\$45.00	\$22,500.00	\$22,500.00
Total Fixed Costs				\$50.09	\$25,046.96	\$25,046.96
Total Specified Costs				\$912.29	\$456,144.33	\$456,144.33
Returns Above Specified Costs				\$35.21	\$17,605.67	\$17,605.67
Breakeven Price to Cover Total Costs			\$36.49	Ton		

Breakeven Prices						
Yield	Yield	Variable Costs		Total Costs		Landlord
Percent	Ton	Full	Tenant	Full	Tenant	
75%	18.75	\$45.98	\$45.98	\$48.66	\$48.66	\$0.00
90%	22.50	\$38.32	\$38.32	\$40.55	\$40.55	\$0.00
100%	25.00	\$34.49	\$34.49	\$36.49	\$36.49	\$0.00
110%	27.50	\$31.35	\$31.35	\$33.17	\$33.17	\$0.00
125%	31.25	\$27.59	\$27.59	\$29.19	\$29.19	\$0.00

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