

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2020 Estimated Costs and Returns per Acre
RR Corn Silage - Irrigated
Central Texas Extension District - 8

Crop Acres		500				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
Corn Silage		22.00	Ton	\$38.80	\$853.60	\$426,800.00
Total Revenue					\$853.60	\$426,800.00
VARIABLE COSTS						
Production Costs						
Herbicide						
Post Plant Herbicide		1	Acre	\$15.00	\$15.00	\$7,500.00
Seed						
HR Corn Silage Seed		32	Thousand	\$4.00	\$128.00	\$64,000.00
Fertilizer						
18-46-0		150	Pound	\$0.26	\$39.00	\$19,500.00
0-0-60		100	Pound	\$0.20	\$20.00	\$10,000.00
46-0-0		478	Pound	\$0.20	\$95.60	\$47,800.00
Custom						
Custom Fertilize		1	Acre	\$8.00	\$8.00	\$4,000.00
Custom Harvest and Haul Silage		22	Ton	\$8.00	\$176.00	\$88,000.00
Irrigation						
Energy Cost		20.00	AcreInch	\$10.00	\$200.00	\$100,000.00
Machinery Labor						
Tractors/Self-Propelled		0.25	Hour	\$10.00	\$2.50	\$1,250.00
Diesel Fuel						
Tractors/Self-Propelled		1.91	Gallon	\$2.85	\$5.44	\$2,721.75
Repairs & Maintenance						
Tractors/Self-Propelled		1	Acre	\$4.61	\$4.61	\$2,305.15
Implements		1	Acre	\$10.05	\$10.05	\$5,022.75
Interest on Credit Line				4.75%	\$8.40	\$4,199.65
Total Variable Costs					\$712.60	\$356,299.30
Planned Returns Above Variable Costs:					\$141.00	\$70,500.70
Breakeven Price to Cover Variable Costs				\$32.39	Ton	
FIXED COSTS						
Machinery Depreciation						
Tractors/Self-Propelled		1	Acre	\$4.76	\$4.76	\$2,381.98
Implements		1	Acre	\$13.03	\$13.03	\$6,515.57
Equipment Investment						
Tractors/Self-Propelled		\$37.11	Dollars	6.00%	\$2.23	\$1,113.39
Implements		\$55.74	Dollars	6.00%	\$3.34	\$1,672.33
Irrigated Land Rent		1	Acre	\$50.00	\$50.00	\$25,000.00
Total Fixed Costs					\$73.37	\$36,683.27
Total Specified Costs					\$785.97	\$392,982.57
Returns Above Specified Costs					\$67.63	\$33,817.43
Breakeven Price to Cover Total Costs				\$35.73	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	16.50	\$43.19	\$47.63
90%	19.80	\$35.99	\$39.70
100%	22.00	\$32.39	\$35.73
110%	24.20	\$29.45	\$32.48
125%	27.50	\$25.91	\$28.58

Developed by Jason Johnson, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 254-968-4144.

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.