

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2018 Estimated Costs and Returns per Acre
RR Corn Silage - Irrigated
Central Texas Extension District - 8

Crop Acres		500				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn Silage	22.00	Ton	\$35.75	\$786.50	\$786.50	\$393,250.00
Total Revenue				\$786.50	\$786.50	\$393,250.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Post Plant Herbicide	1	Acre	\$15.00	\$15.00	\$15.00	\$7,500.00
Seed						
HR Corn Silage Seed	32	Thousand	\$3.50	\$112.00	\$112.00	\$56,000.00
Fertilizer						
18-46-0	150	Pound	\$0.23	\$34.50	\$34.50	\$17,250.00
0-0-60	100	Pound	\$0.16	\$16.00	\$16.00	\$8,000.00
46-0-0	478	Pound	\$0.17	\$81.26	\$81.26	\$40,630.00
Custom						
Custom Fertilize	1	Acre	\$5.00	\$5.00	\$5.00	\$2,500.00
Custom Harvest and Haul Silage	22	Ton	\$8.00	\$176.00	\$176.00	\$88,000.00
Irrigation						
Energy Cost	20.00	AcreInch	\$8.00	\$160.00	\$160.00	\$80,000.00
Machinery Labor						
Tractors/Self-Propelled	0.24	Hour	\$10.00	\$2.40	\$2.40	\$1,200.00
Diesel Fuel						
Tractors/Self-Propelled	1.91	Gallon	\$2.40	\$4.58	\$4.58	\$2,292.00
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$4.35	\$4.35	\$4.35	\$2,173.47
Implements	1	Acre	\$7.65	\$7.65	\$7.65	\$3,827.28
Interest on Credit Line			4.75%	\$7.10	\$7.10	\$3,548.30
Total Variable Costs				\$625.84	\$625.84	\$312,921.05
Planned Returns Above Variable Costs:				\$160.66	\$160.66	\$80,328.95
Breakeven Price to Cover Variable Costs			\$28.45	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$4.49	\$4.49	\$4.49	\$2,245.92
Implements	1	Acre	\$9.95	\$9.95	\$9.95	\$4,973.76
Equipment Investment						
Tractors/Self-Propelled	\$34.99	Dollars	6.00%	\$2.10	\$2.10	\$1,049.79
Implements	\$42.55	Dollars	6.00%	\$2.55	\$2.55	\$1,276.60
Irrigated Land Rent	1	Acre	\$50.00	\$50.00	\$50.00	\$25,000.00
Total Fixed Costs				\$69.09	\$69.09	\$34,546.07
Total Specified Costs				\$694.93	\$694.93	\$347,467.12
Returns Above Specified Costs				\$91.57	\$91.57	\$45,782.88
Breakeven Price to Cover Total Costs			\$31.59	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	16.50	\$37.93	\$42.12
90%	19.80	\$31.61	\$35.10
100%	22.00	\$28.45	\$31.59
110%	24.20	\$25.86	\$28.72
125%	27.50	\$22.76	\$25.27

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.