

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 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	
Corn Silage	22.00	Ton	\$38.00	\$836.00	\$418,000.00	
Total Revenue				\$836.00	\$418,000.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Production Costs					Total	
Herbicide						
Post Plant Herbicide	1	Acre	\$15.00	\$15.00	\$7,500.00	
Seed						
HR Corn Silage Seed	32	Thousand	\$3.50	\$112.00	\$56,000.00	
Fertilizer						
18-46-0	150	Pound	\$0.23	\$34.50	\$17,250.00	
0-0-60	100	Pound	\$0.16	\$16.00	\$8,000.00	
46-0-0	478	Pound	\$0.17	\$81.26	\$40,630.00	
Custom						
Custom Fertilize	1	Acre	\$5.00	\$5.00	\$2,500.00	
Custom Harvest and Haul Silage	22	Ton	\$8.00	\$176.00	\$88,000.00	
Irrigation						
Energy Cost	20.00	AcreInch	\$8.00	\$160.00	\$80,000.00	
Machinery Labor						
Tractors/Self-Propelled	0.24	Hour	\$10.00	\$2.40	\$1,200.00	
Diesel Fuel						
Tractors/Self-Propelled	1.91	Gallon	\$2.65	\$5.06	\$2,530.75	
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$4.32	\$4.32	\$2,158.85	
Implements	1	Acre	\$8.93	\$8.93	\$4,465.19	
Interest on Credit Line			4.75%	\$7.09	\$3,544.00	
Total Variable Costs				\$627.56	\$313,778.79	
Planned Returns Above Variable Costs:				\$208.44	\$104,221.21	
Breakeven Price to Cover Variable Costs			\$28.53	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Machinery Depreciation					Total	
Tractors/Self-Propelled	1	Acre	\$4.46	\$4.46	\$2,230.81	
Implements	1	Acre	\$11.60	\$11.60	\$5,799.70	
Equipment Investment						
Tractors/Self-Propelled	\$34.76	Dollars	6.00%	\$2.09	\$1,042.72	
Implements	\$49.62	Dollars	6.00%	\$2.98	\$1,488.59	
Irrigated Land Rent	1	Acre	\$50.00	\$50.00	\$25,000.00	
Total Fixed Costs				\$71.12	\$35,561.82	
Total Specified Costs				\$698.68	\$349,340.61	
Returns Above Specified Costs				\$137.32	\$68,659.39	
Breakeven Price to Cover Total Costs			\$31.76	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	16.50	\$38.03	\$42.34
90%	19.80	\$31.69	\$35.29
100%	22.00	\$28.53	\$31.76
110%	24.20	\$25.93	\$28.87
125%	27.50	\$22.82	\$25.41

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.