

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$38.35	\$843.70	\$421,850.00
Total Revenue					\$843.70	\$421,850.00
VARIABLE COSTS						
		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
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	\$0.26	\$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	\$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	0.25	Hour	\$10.00	\$2.50	\$1,250.00
Diesel Fuel						
	Tractors/Self-Propelled	1.91	Gallon	\$2.40	\$4.58	\$2,292.00
Repairs & Maintenance						
	Tractors/Self-Propelled	1	Acre	\$4.36	\$4.36	\$2,181.35
	Implements	1	Acre	\$7.61	\$7.61	\$3,803.76
	Interest on Credit Line			4.75%	\$7.58	\$3,788.76
Total Variable Costs					\$649.23	\$324,615.87
Planned Returns Above Variable Costs:					\$194.47	\$97,234.13
Breakeven Price to Cover Variable Costs				\$29.51	Ton	
FIXED COSTS						
		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Tractors/Self-Propelled	1	Acre	\$4.51	\$4.51	\$2,254.06
	Implements	1	Acre	\$9.89	\$9.89	\$4,944.82
Equipment Investment						
	Tractors/Self-Propelled	\$35.12	Dollars	6.00%	\$2.11	\$1,053.59
	Implements	\$42.31	Dollars	6.00%	\$2.54	\$1,269.17
	Irrigated Land Rent	1	Acre	\$50.00	\$50.00	\$25,000.00
Total Fixed Costs					\$69.04	\$34,521.64
Total Specified Costs					\$718.28	\$359,137.52
Returns Above Specified Costs					\$125.42	\$62,712.48
Breakeven Price to Cover Total Costs				\$32.65	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	16.50	\$39.35	\$43.53
90%	19.80	\$32.79	\$36.28
100%	22.00	\$29.51	\$32.65
110%	24.20	\$26.83	\$29.68
125%	27.50	\$23.61	\$26.12

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.