

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 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		25.00	Ton	\$44.40	\$1,110.00	\$555,000.00
Total Revenue					\$1,110.00	\$555,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
	HR Corn Silage Seed	36	Thousand	\$3.00	\$108.00	\$54,000.00
Fertilizer						
	18-46-0	200	Pound	\$0.65	\$130.00	\$65,000.00
	0-0-60	150	Pound	\$0.48	\$72.00	\$36,000.00
	46-0-0	250	Pound	\$0.60	\$150.00	\$75,000.00
	Liquid 32 N	150	Pound	\$0.48	\$72.00	\$36,000.00
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Herbicide						
	Post Plant Herbicide	1	Quart	\$8.75	\$8.75	\$4,375.00
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Custom						
	Custom Fertilize	1	Acre	\$5.00	\$5.00	\$2,500.00
	Custom Spray	1	Acre	\$7.00	\$7.00	\$3,500.00
	Custom Spray	1	Acre	\$7.00	\$7.00	\$3,500.00
	Custom Harvest and Haul Silage	25	Ton	\$7.00	\$175.00	\$87,500.00
Irrigation						
	Energy or Water Cost	20.00	Acre/Inch	\$7.00	\$140.00	\$70,000.00
Machinery Labor						
	Tractors/Self-Propelled	0.12	Hour	\$10.00	\$1.20	\$600.00
Diesel Fuel						
	Tractors/Self-Propelled	0.96	Gallon	\$2.65	\$2.54	\$1,272.00
Repairs & Maintenance						
	Tractors/Self-Propelled	1	Acre	\$0.73	\$0.73	\$364.80
	Implements	1	Acre	\$1.38	\$1.38	\$691.31
	Interest on Credit Line			4.75%	\$9.91	\$4,952.79
Total Variable Costs					\$971.26	\$485,630.90
Planned Returns Above Variable Costs:					\$138.74	\$69,369.10
Breakeven Price to Cover Variable Costs					\$38.85	Ton
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Tractors/Self-Propelled	1	Acre	\$0.97	\$0.97	\$486.40
	Implements	1	Acre	\$1.73	\$1.73	\$865.11
Equipment Investment						
	Tractors/Self-Propelled	\$17.02	Dollars	6.00%	\$1.02	\$510.72
	Implements	\$22.74	Dollars	6.00%	\$1.36	\$682.09
	Irrigated Land Rent	1	Acre	\$50.00	\$50.00	\$25,000.00
Total Fixed Costs					\$55.09	\$27,544.31
Total Specified Costs					\$1,026.35	\$513,175.21
Returns Above Specified Costs					\$83.65	\$41,824.79
Breakeven Price to Cover Total Costs					\$41.05	Ton

Example Breakeven Prices						
Example Yield Percent	Example Yield Ton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share/Tenant	Own/Rent	Share/Tenant	Landlord
75%	18.75	\$51.80	\$51.80	\$54.74	\$54.74	\$0.00
90%	22.50	\$43.17	\$43.17	\$45.62	\$45.62	\$0.00
100%	25.00	\$38.85	\$38.85	\$41.05	\$41.05	\$0.00
110%	27.50	\$35.32	\$35.32	\$37.32	\$37.32	\$0.00
125%	31.25	\$31.08	\$31.08	\$32.84	\$32.84	\$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. Brand names are mentioned only as examples and imply no endorsement.