

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Irrigated Corn Silage - 122 Acres
South Plains Extension District - 2

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Corn Silage		26.00	Ton	\$40.00	\$1,040.00	\$126,880.00
Total Revenue					\$1,040.00	\$126,880.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Custom						
Harvest and Haul - Corn Silage		26	Ton	\$7.00	\$182.00	\$22,204.00
Fertilizer Application - Liquid High		1	Acre	\$4.75	\$4.75	\$579.50
Fertilizer Application - Dry		1	Acre	\$3.50	\$3.50	\$427.00
Fertilizer Application - NH3		1	Acre	\$3.50	\$3.50	\$427.00
Fertilizer						
Fertilizer (N) - Liquid		175	Pound	\$0.58	\$101.15	\$12,340.30
Fertilizer (P) - Dry		110	Pound	\$0.57	\$62.37	\$7,609.14
Fertilizer (N) - NH3		150	Pound	\$0.38	\$56.70	\$6,917.40
Herbicide						
Herbicide and Apply Corn Silage		1	Acre	\$21.12	\$21.12	\$2,576.64
Insecticide						
Insecticide and Apply Corn Silage		1	Acre	\$22.73	\$22.73	\$2,773.06
Seed						
Seed - Corn		0.5	Bag	\$272.00	\$136.00	\$16,592.00
Miscellaneous						
Crop Insurance Corn Silage		1	Acre	\$15.50	\$15.50	\$1,891.00
Irrigation						
Energy Cost		24.00	AcreInch	\$9.00	\$216.00	\$26,352.00
Irrigation Labor		0.90	Hour	\$12.00	\$10.80	\$1,317.60
Machinery Labor						
Tractors/Self-Propelled		1	Hour	\$12.00	\$12.00	\$1,464.00
Diesel Fuel						
Tractors/Self-Propelled		2.4	Gallon	\$3.00	\$7.20	\$878.40
Gasoline						
Pickup/General Use Equipment		2	Gallon	\$2.25	\$4.50	\$549.00
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment		1	Acre	\$42.00	\$42.00	\$5,124.00
Tractors/Self-Propelled		1	Acre	\$6.00	\$6.00	\$732.00
Implements		1	Acre	\$3.00	\$3.00	\$366.00
Interest on Credit Line				6.00%	\$15.19	\$1,853.04
Total Variable Costs					\$926.51	\$113,034.08
Planned Returns Above Variable Costs:					\$113.49	\$13,845.92
Breakeven Price to Cover Variable Costs				\$35.63	Ton	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Investment						
Pickup/General Use Equipment		\$17.89	Dollars	7.00%	\$1.25	\$152.78
Irrigation Equipment		\$785.72	Dollars	7.00%	\$55.00	\$6,710.01
Tractors/Self-Propelled		\$171.40	Dollars	7.00%	\$12.00	\$1,463.76
Implements		\$142.90	Dollars	7.00%	\$10.00	\$1,220.37
Whole Farm Insurance		1	Acre	\$2.00	\$2.00	\$244.00
Cash Rent - Corn		1	Acre	\$130.00	\$130.00	\$15,860.00
Total Fixed Costs					\$210.25	\$25,650.91
Total Specified Costs					\$1,136.76	\$138,684.99
Returns Above Specified Costs					(\$96.76)	(\$11,804.99)
Breakeven Price to Cover Total Costs				\$43.72	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	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	19.50	\$47.51	\$47.51	\$58.30	\$58.30	\$0.00
90%	23.40	\$39.59	\$39.59	\$48.58	\$48.58	\$0.00
100%	26.00	\$35.63	\$35.63	\$43.72	\$43.72	\$0.00
110%	28.60	\$32.40	\$32.40	\$39.75	\$39.75	\$0.00
125%	32.50	\$28.51	\$28.51	\$34.98	\$34.98	\$0.00

Developed by Jackie Smith, 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.