

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 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
Miscellaneous					
Crop Insurance Corn Silage	1	Acre	\$15.50	\$15.50	\$1,891.00
Seed					
Seed - Corn	0.5	Bag	\$272.00	\$136.00	\$16,592.00
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	1	Acre	\$4.50	\$4.50	\$548.44
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%	\$15.82	\$1,929.54
Total Variable Costs				\$927.13	\$113,110.02
Planned Returns Above Variable Costs:				\$112.87	\$13,769.98
Breakeven Price to Cover Variable Costs			\$35.66	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Fixed Costs					
Pickup/General Use Equipment	1	Acre	\$1.25	\$1.25	\$152.50
Irrigation Equipment	1	Acre	\$55.00	\$55.00	\$6,710.00
Tractors/Self-Propelled	1	Acre	\$12.00	\$12.00	\$1,464.00
Implements	1	Acre	\$10.00	\$10.00	\$1,220.00
Management Fee, Owner/Operator Labor	1	Acre	\$30.00	\$30.00	\$3,660.00
Cash Rent - Corn	1	Acre	\$130.00	\$130.00	\$15,860.00
Total Fixed Costs				\$238.25	\$29,066.50
Total Specified Costs				\$1,165.38	\$142,176.52
Returns Above Specified Costs				(\$125.38)	(\$15,296.52)
Breakeven Price to Cover Total Costs			\$44.82	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	19.50	\$47.55	\$59.76
90%	23.40	\$39.62	\$49.80
100%	26.00	\$35.66	\$44.82
110%	28.60	\$32.42	\$40.75
125%	32.50	\$28.53	\$35.86

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.