

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Irrigated Corn Silage
South Plains Extension District - 2

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Corn Silage	27.00	Ton	\$28.00	\$756.00	\$92,232.00
Total Revenue				\$756.00	\$92,232.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Harvest and Haul - Corn Silage	27	Ton	\$7.00	\$189.00	\$23,058.00
Fertilizer Application - Liquid High	1	Acre	\$4.75	\$4.75	\$579.50
Fertilizer Application - Dry	1	Acre	\$4.00	\$4.00	\$488.00
Fertilizer Application - NH3	1	Acre	\$3.50	\$3.50	\$427.00
Fertilizer					
Fertilizer (N) - Liquid	175	Pound	\$0.46	\$80.66	\$9,841.02
Fertilizer (P) - Dry	110	Pound	\$0.54	\$59.23	\$7,226.15
Fertilizer (N) - NH3	150	Pound	\$0.30	\$45.73	\$5,579.27
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	20.00	AcreInch	\$10.00	\$200.00	\$24,400.00
Irrigation Labor	1.25	Hour	\$12.00	\$15.00	\$1,830.00
Machinery Labor					
Tractors/Self-Propelled	0.47	Hour	\$12.00	\$5.64	\$688.08
Other Labor	0.53	Hour	\$12.00	\$6.36	\$775.92
Diesel Fuel					
Tractors/Self-Propelled	2.4	Gallon	\$2.40	\$5.76	\$702.72
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.00	\$4.00	\$488.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment	1	Acre	\$40.00	\$40.00	\$4,880.00
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%	\$14.93	\$1,821.39
Total Variable Costs				\$883.42	\$107,776.75
Planned Returns Above Variable Costs:				(\$127.42)	(\$15,544.75)
Breakeven Price to Cover Variable Costs			\$32.72	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	\$25.00	\$25.00	\$3,050.00
Cash Rent - Corn	1	Acre	\$130.00	\$130.00	\$15,860.00
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00
Total Fixed Costs				\$235.25	\$28,700.50
Total Specified Costs				\$1,118.67	\$136,477.25
Returns Above Specified Costs				(\$362.67)	(\$44,245.25)
Breakeven Price to Cover Total Costs			\$41.43	Ton	

Example Breakeven Prices			
Exampk Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	20.25	\$43.63	\$55.24
90%	24.30	\$36.35	\$46.04
100%	27.00	\$32.72	\$41.43
110%	29.70	\$29.74	\$37.67
125%	33.75	\$26.18	\$33.15

Developed by Jackie Smith, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-746-6101.

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.