

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 Estimated Costs and Returns per Acre**  
**Irrigated Corn Silage**  
**South Plains Extension District - 2**

Crop Acres		122		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Corn Silage	27.00	Ton	\$45.00	\$1,215.00	\$148,230.00
<b>Total Revenue</b>				<b>\$1,215.00</b>	<b>\$148,230.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
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	\$0.38	\$66.50	\$8,113.00
Fertilizer (P) - Dry	110	Pound	\$0.39	\$42.90	\$5,233.80
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	\$1.90	\$4.56	\$556.32
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.40	\$4.40	\$536.80
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%	\$14.16	\$1,727.93
<b>Total Variable Costs</b>				<b>\$851.36</b>	<b>\$103,865.32</b>
Planned Returns Above Variable Costs:				\$363.64	\$44,364.68
Breakeven Price to Cover Variable Costs			\$31.53	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	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
<b>Total Fixed Costs</b>				<b>\$235.25</b>	<b>\$28,700.50</b>
<b>Total Specified Costs</b>				<b>\$1,086.61</b>	<b>\$132,565.82</b>
Returns Above Specified Costs				\$128.39	\$15,664.18
<b>Breakeven Price to Cover Total Costs</b>			<b>\$40.24</b>	<b>Ton</b>	

Example Breakeven Prices			
Exampk	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	20.25	\$42.04	\$53.66
90%	24.30	\$35.04	\$44.72
100%	27.00	\$31.53	\$40.24
110%	29.70	\$28.67	\$36.59
125%	33.75	\$25.23	\$32.20

Developed by Agricultural Economists, 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.**