

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2024 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	\$50.00	\$1,350.00	\$164,700.00
Total Revenue					\$1,350.00	\$164,700.00
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	\$0.61	\$106.93	\$13,044.85
Fertilizer (P) - Dry		110	Pound	\$0.49	\$53.90	\$6,575.80
Fertilizer (N) - NH3		150	Pound	\$0.47	\$70.50	\$8,601.00
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	\$3.00	\$7.20	\$878.11
Gasoline						
Pickup/General Use Equipment		1	Acre	\$5.20	\$5.20	\$634.75
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				9.00%	\$24.37	\$2,973.56
Total Variable Costs					\$941.20	\$114,826.26
Planned Returns Above Variable Costs:					\$408.80	\$49,873.74
Breakeven Price to Cover Variable Costs				\$34.86	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					\$1,176.45	\$143,526.76
Returns Above Specified Costs					\$173.55	\$21,173.24
Breakeven Price to Cover Total Costs				\$43.57	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	20.25	\$46.48	\$58.10
90%	24.30	\$38.73	\$48.41
100%	27.00	\$34.86	\$43.57
110%	29.70	\$31.69	\$39.61
125%	33.75	\$27.89	\$34.86

Developed by Agricultural Economists, 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.**