

**Projections for Planning Purposes Only -- Not to be Used without Updating**

**2017 Estimated Costs and Returns per Acre  
Corn Silage, Bt, Sprinkler Irrigated (NG) - 122 Acres  
Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Corn Silage	27.00	Ton	\$35.10	\$947.70	\$115,619.40	\$115,619.40
<b>Total Revenue</b>				<b>\$947.70</b>	<b>\$115,619.40</b>	<b>\$115,619.40</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00		\$1,830.00
Harvest and Haul - Corn Silage	27	Ton	\$9.00	\$243.00		\$29,646.00
Fertilizer						
Fertilizer (P) - Liquid	60	Pound	\$0.47	\$28.20		\$3,440.40
Fertilizer (N) - ANH3	126	Pound	\$0.25	\$31.50		\$3,843.00
Fertilizer (N) - Liquid	78	Pound	\$0.41	\$31.98		\$3,901.56
Herbicide						
Herbicide - Corn Preplant	1	Acre	\$17.40	\$17.40		\$2,122.80
Herbicide - Corn Postplant	1	Acre	\$15.70	\$15.70		\$1,915.40
Insecticide						
Miticide	1	Acre	\$21.00	\$21.00		\$2,562.00
Insecticide and Apply Corn Silage	1	Acre	\$25.70	\$25.70		\$3,135.40
Miscellaneous						
Crop Insurance Corn Silage Irrigated	1	Acre	\$36.50	\$36.50		\$4,453.00
Seed						
Seed - Corn Silage	0.4	Bag	\$280.00	\$112.00		\$13,664.00
Irrigation						
Energy Cost	20.00	AcreInch	\$3.60	\$72.00		\$8,784.00
Irrigation Labor	1.28	Hour	\$12.45	\$15.94		\$1,944.19
Machinery Labor						
Tractors/Self-Propelled	1.12	Hour	\$12.25	\$13.72		\$1,673.84
Diesel Fuel						
Tractors/Self-Propelled	3.01	Gallon	\$1.81	\$5.45		\$664.67
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.93	\$5.93		\$723.75
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76		\$459.00
Irrigation Equipment	1	Acre	\$80.80	\$80.80		\$9,857.60
Tractors/Self-Propelled	1	Acre	\$5.48	\$5.48		\$668.85
Implements	1	Acre	\$13.24	\$13.24		\$1,615.27
Interest on Credit Line			5.40%	\$11.01		\$1,343.64
<b>Total Variable Costs</b>				<b>\$805.31</b>		<b>\$98,248.37</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$142.39</b>		<b>\$17,371.03</b>
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$29.83</b>	<b>Ton</b>		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95		\$481.95
Irrigation Equipment	1	Acre	\$47.34	\$47.34		\$5,775.00
Tractors/Self-Propelled	1	Acre	\$5.44	\$5.44		\$663.33
Implements	1	Acre	\$16.39	\$16.39		\$2,000.12
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$27.28	Dollars	5.65%	\$1.54		\$188.02
Irrigation Equipment	\$571.72	Dollars	5.65%	\$32.30		\$3,940.88
Tractors/Self-Propelled	\$42.36	Dollars	5.65%	\$2.39		\$291.97
Implements	\$70.13	Dollars	5.65%	\$3.96		\$483.42
Cash Rent - Corn	1	Acre	\$120.00	\$120.00		\$14,640.00
<b>Total Fixed Costs</b>				<b>\$233.32</b>		<b>\$28,464.68</b>
<b>Total Specified Costs</b>				<b>\$1,038.63</b>		<b>\$126,713.05</b>
<b>Returns Above Specified Costs</b>				<b>(\$90.93)</b>		<b>(\$11,093.65)</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$38.47</b>	<b>Ton</b>		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	20.25	\$39.77	\$51.29
90%	24.30	\$33.14	\$42.74
100%	27.00	\$29.83	\$38.47
110%	29.70	\$27.11	\$34.97
125%	33.75	\$23.86	\$30.77

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-677-5600.

**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.**