

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2017 Estimated Costs and Returns per Acre**  
**Sugar Cane, Planted, Furrow Irrigated, Rio Grande Valley - 100 Acres**  
**South Extension District - 12**

Crop Acres		100			
				Total	Enterprise Total
<b>REVENUE</b>					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Sugar (10.5% of 50 Ton)	10,500.00	Pound	\$0.13	\$1,312.50	\$131,250.00
<b>Total Revenue</b>				<b>\$1,312.50</b>	<b>\$131,250.00</b>
<b>VARIABLE COSTS</b>					
	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Custom					
Seed Cane Transport/Distribution	1	Acre	\$170.00	\$170.00	\$17,000.00
Seed Cane Covering	1	Acre	\$9.20	\$9.20	\$920.00
Fixed Harvesting - SC	1	Acre	\$160.00	\$160.00	\$16,000.00
Variable Harvesting - SC	50	Ton	\$3.50	\$175.00	\$17,500.00
Hauling - SC	50	Ton	\$3.20	\$160.00	\$16,000.00
Fertilizer					
Fertilizer 10-34-0	2.4	CWT	\$32.50	\$78.00	\$7,800.00
UAN (32% N)	3.3	CWT	\$14.00	\$46.20	\$4,620.00
Herbicide					
Atrazine 4L	6	Pint	\$1.81	\$10.86	\$1,086.00
Pendimethalin	9.6	Pint	\$5.81	\$55.78	\$5,577.60
Miscellaneous					
Insurance, Sugarcane	1	Acre	\$15.00	\$15.00	\$1,500.00
Seed					
Seed Cane	4.5	Ton	\$36.00	\$162.00	\$16,200.00
Other Labor					
Unallocated Labor	0.5	Hour	\$12.00	\$6.00	\$600.00
Irrigation					
Water Cost	5.50	Acre/Foot	\$20.00	\$110.00	\$11,000.00
Irrigation Labor	7.70	Hour	\$12.00	\$92.40	\$9,240.00
Machinery Labor					
Tractors/Self-Propelled	1.21	Hour	\$12.00	\$14.52	\$1,452.00
Diesel Fuel					
Tractors/Self-Propelled	5.89	Gallon	\$2.10	\$12.37	\$1,236.90
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$12.45	\$12.45	\$1,245.31
Implements	1	Acre	\$7.88	\$7.88	\$787.97
Interest on Credit Line			5.00%	\$39.54	\$3,953.55
<b>Total Variable Costs</b>				<b>\$1,337.19</b>	<b>\$133,719.33</b>
<b>Planned Returns Above Variable Costs:</b>				<b>(\$24.69)</b>	<b>(\$2,469.33)</b>
<b>Breakeven Price to Cover Variable Costs</b>			\$0.13	Pound	
<b>FIXED COSTS</b>					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$12.87	\$12.87	\$1,286.83
Implements	1	Acre	\$9.82	\$9.82	\$982.16
Equipment Investment					
Tractors/Self-Propelled	\$100.25	Dollars	7.00%	\$7.02	\$701.73
Implements	\$42.86	Dollars	7.00%	\$3.00	\$300.04
Allocated Establishment Cost	1	Acre	\$2.11	\$2.11	\$211.00
Cash Rent, Sugar Cane	1	Acre	\$110.00	\$110.00	\$11,000.00
<b>Total Fixed Costs</b>				<b>\$144.82</b>	<b>\$14,481.77</b>
<b>Total Specified Costs</b>				<b>\$1,482.01</b>	<b>\$148,201.10</b>
<b>Returns Above Specified Costs</b>				<b>(\$169.51)</b>	<b>(\$16,951.10)</b>
<b>Breakeven Price to Cover Total Costs</b>			\$0.14	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	7875.00	\$0.17	\$0.19
90%	9450.00	\$0.14	\$0.16
100%	10500.00	\$0.13	\$0.14
110%	11550.00	\$0.12	\$0.13
125%	13125.00	\$0.10	\$0.11

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension, 956-968-5581.

**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.**