

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2019 Estimated Costs and Returns per Acre**  
**Alamo Switchgrass Establishment, Pivot Irrigated**  
**Far West Extension District - 6**

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Total Revenue				\$0.00	\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Fertilizer					
N-32 in Water	20	Pound	\$0.42	\$8.44	\$1,029.19
Herbicide					
Glyphosate	8	Pint	\$2.04	\$16.30	\$1,988.60
Seed					
Switchgrass Seed	3	Pound	\$16.50	\$49.50	\$6,039.00
Irrigation					
Energy Cost	3.04	Mcf	\$4.00	\$12.16	\$1,483.52
Irrigation Labor	0.02	Hour	\$11.00	\$0.19	\$23.62
Machinery Labor					
Tractors/Self-Propelled	1.28	Hour	\$12.00	\$15.36	\$1,873.92
Diesel Fuel					
Tractors/Self-Propelled	6.86	Gallon	\$2.99	\$20.51	\$2,502.39
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$8.01	\$8.01	\$977.38
Tractors/Self-Propelled	1	Acre	\$15.04	\$15.04	\$1,834.94
Implements	1	Acre	\$15.26	\$15.26	\$1,861.77
Interest on Credit Line			6.50%	\$3.81	\$464.50
Total Variable Costs				\$164.58	\$20,078.83
Planned Returns Above Variable Costs:				(\$164.58)	(\$20,078.83)
Breakeven Price to Cover Variable Costs			n/a		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Machinery Depreciation</b>					
Irrigation Equipment	1	Acre	\$48.64	\$48.64	\$5,933.75
Tractors/Self-Propelled	1	Acre	\$15.37	\$15.37	\$1,874.86
Implements	1	Acre	\$19.09	\$19.09	\$2,329.41
<b>Equipment Investment</b>					
Irrigation Equipment	\$364.78	Dollars	6.50%	\$23.71	\$2,892.70
Tractors/Self-Propelled	\$119.72	Dollars	6.50%	\$7.78	\$949.37
Implements	\$81.68	Dollars	6.50%	\$5.31	\$647.71
Total Fixed Costs				\$119.90	\$14,627.80
Total Specified Costs				\$284.48	\$34,706.63
Returns Above Specified Costs				(\$284.48)	(\$34,706.63)
Breakeven Price to Cover Total Costs			n/a		

Example Breakeven Prices			
Example Yield Percent	Example Yield	To Cover Variable Costs	To Cover Total Costs
75%	0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

**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.**