

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2016 Estimated Costs and Returns per Acre
Alamo Switchgrass Establishment, Pivot Irrigated - 122 Acres
Far West Extension District - 6

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Total Revenue				\$0.00	\$0.00	
VARIABLE COSTS						
	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Fertilizer						
N-32 in Water	20	Pound	\$0.17	\$3.40	\$414.80	
Herbicide						
Glyphosate	8	Pint	\$2.00	\$16.00	\$1,952.00	
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	0.86	Hour	\$12.00	\$10.32	\$1,259.04	
Diesel Fuel						
Tractors/Self-Propelled	4.76	Gallon	\$2.10	\$10.00	\$1,219.51	
Repairs & Maintenance						
Irrigation Equipment	1	Acre	\$8.01	\$8.01	\$977.38	
Tractors/Self-Propelled	1	Acre	\$9.19	\$9.19	\$1,121.28	
Implements	1	Acre	\$9.06	\$9.06	\$1,105.84	
Interest on Credit Line			6.50%	\$2.74	\$333.68	
Total Variable Costs				\$130.57	\$15,929.67	
Planned Returns Above Variable Costs:				(\$130.57)	(\$15,929.67)	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS						
	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Irrigation Equipment	1	Acre	\$48.64	\$48.64	\$5,933.75	
Tractors/Self-Propelled	1	Acre	\$9.37	\$9.37	\$1,142.60	
Implements	1	Acre	\$10.92	\$10.92	\$1,332.71	
Equipment Investment						
Irrigation Equipment	\$364.78	Dollars	6.50%	\$23.71	\$2,892.70	
Tractors/Self-Propelled	\$72.96	Dollars	6.50%	\$4.74	\$578.58	
Implements	\$46.73	Dollars	6.50%	\$3.04	\$370.57	
Total Fixed Costs				\$100.42	\$12,250.90	
Total Specified Costs				\$230.99	\$28,180.57	
Returns Above Specified Costs				(\$230.99)	(\$28,180.57)	
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield Percent	Example Yield	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your 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.

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.