

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2015 Estimated Costs and Returns per Acre
Alamo Switchgrass Establishment, Pivot Irrigated - 122 Acres
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
Production Costs					
Fertilizer					
N-32 in Water	20	Pound	\$0.17	\$3.40	\$414.80
Herbicide					
Glyphosate	8	Pint	\$2.03	\$16.24	\$1,981.28
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	\$2.15	\$10.23	\$1,248.55
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%	\$2.51	\$306.17
Total Variable Costs				\$130.82	\$15,960.48
Planned Returns Above Variable Costs:				(\$130.82)	(\$15,960.48)
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	\$729.56	Dollars	6.50%	\$47.42	\$5,785.40
Tractors/Self-Propelled	\$105.74	Dollars	6.50%	\$6.87	\$838.52
Implements	\$84.96	Dollars	6.50%	\$5.52	\$673.76
Total Fixed Costs				\$128.74	\$15,706.73
Total Specified Costs				\$259.57	\$31,667.21
Returns Above Specified Costs				(\$259.57)	(\$31,667.21)
Breakeven Price to Cover Total Costs			n/a		

Example Breakeven Prices						
Example Yield Percent	Example Yield	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00	\$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.