

Projections for Planning Purposes Only -- Not to be Used without Updating
2021 Estimated Costs and Returns per Acre
Alamo Switchgrass Establishment, Pivot Irrigated
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	
Production Costs						
Fertilizer						
N-32 in Water	20	Pound	\$0.38	\$7.66	\$934.03	
Herbicide						
Glyphosate	8	Pint	\$2.13	\$17.00	\$2,074.00	
Seed						
Switchgrass Seed	3	Pound	\$18.00	\$54.00	\$6,588.00	
Irrigation						
Energy Cost	3.04	Mcf	\$5.61	\$17.05	\$2,080.64	
Irrigation Labor	0.02	Hour	\$15.00	\$0.26	\$32.21	
Machinery Labor						
Tractors/Self-Propelled	1.28	Hour	\$15.00	\$19.20	\$2,342.40	
Diesel Fuel						
Tractors/Self-Propelled	6.86	Gallon	\$1.50	\$10.29	\$1,255.38	
Repairs & Maintenance						
Irrigation Equipment	1	Acre	\$8.01	\$8.01	\$977.38	
Tractors/Self-Propelled	1	Acre	\$16.71	\$16.71	\$2,038.72	
Implements	1	Acre	\$15.81	\$15.81	\$1,929.11	
Interest on Credit Line			4.55%	\$2.72	\$331.70	
Total Variable Costs				\$168.72	\$20,583.57	
Planned Returns Above Variable Costs:					(\$168.72) (\$20,583.57)	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Machinery Depreciation						
Irrigation Equipment	1	Acre	\$48.64	\$48.64	\$5,933.75	
Tractors/Self-Propelled	1	Acre	\$17.08	\$17.08	\$2,083.90	
Implements	1	Acre	\$19.80	\$19.80	\$2,415.28	
Equipment Investment						
Irrigation Equipment	\$364.78	Dollars	5.50%	\$20.06	\$2,447.67	
Tractors/Self-Propelled	\$133.07	Dollars	5.50%	\$7.32	\$892.88	
Implements	\$84.69	Dollars	5.50%	\$4.66	\$568.26	
Total Fixed Costs				\$117.56	\$14,341.75	
Total Specified Costs				\$286.27	\$34,925.32	
Returns Above Specified Costs					(\$286.27) (\$34,925.32)	
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 Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.