Projections for Planning Purposes Only -- Not to be Used without Updating

2017 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	$1.37	$10.96	$1,337.12
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	$12.00	$0.21	$25.77
Machinery Labor					
Tractors/Self-Propelled	1.28	Hour	$12.00	$15.36	$1,873.92
Diesel Fuel					
Tractors/Self-Propelled	6.86	Gallon	$1.83	$12.55	$1,531.56
Repairs & Maintenance					
Irrigation Equipment	1	Acre	$8.01	$8.01	$977.38
Tractors/Self-Propelled	1	Acre	$14.72	$14.72	$1,796.36
Implements	1	Acre	$14.42	$14.42	$1,758.66
Interest on Credit Line			6.50%	$3.02	$368.15
Total Variable Costs				$144.31	$17,606.24
Planned Returns Above Variable Costs:				($144.31)	($17,606.24)
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	$15.03	$15.03	$1,833.72
Implements	1	Acre	$18.06	$18.06	$2,203.32
Equipment Investment					
Irrigation Equipment	$364.78	Dollars	6.50%	$23.71	$2,892.70
Tractors/Self-Propelled	$117.09	Dollars	6.50%	$7.61	$928.54
Implements	$77.26	Dollars	6.50%	$5.02	$612.65
Total Fixed Costs				$118.07	$14,404.67
Total Specified Costs				$262.38	$32,010.91
Returns Above Specified Costs				($262.38)	($32,010.91)
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.