

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2022 Estimated Costs and Returns per Acre**  
**Alamo Switchgrass, Full Season, Pivot Irrigated, Baled**  
**Far West Extension District - 6**

Crop Acres	122		Enterprise		
REVENUE	Quantity	Units	\$/Unit	Total	Total
Switchgrass	3.17	Ton	\$195.00	\$618.15	\$75,414.30
<b>Total Revenue</b>				<b>\$618.15</b>	<b>\$75,414.30</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
Fertilizer					
N-32 in Water	20	Pound	\$0.55	\$11.00	\$1,342.00
Urea, Solid (46% N)	0.45	CWT	\$22.25	\$10.01	\$1,221.53
Herbicide					
2,4-D Amine 4	40	Ounce	\$0.10	\$4.03	\$491.81
Other Labor					
Hand Labor	0.14	Hour	\$8.50	\$1.19	\$145.18
Irrigation					
Energy Cost	4.56	Mcf	\$3.91	\$17.83	\$2,175.21
Irrigation Labor	0.03	Hour	\$16.38	\$0.43	\$52.76
Machinery Labor					
Tractors/Self-Propelled	2.25	Hour	\$16.12	\$36.27	\$4,424.94
Diesel Fuel					
Tractors/Self-Propelled	12.17	Gallon	\$2.67	\$32.49	\$3,964.26
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$12.02	\$12.02	\$1,466.07
Tractors/Self-Propelled	1	Acre	\$18.75	\$18.75	\$2,287.04
Implements	1	Acre	\$1.33	\$1.33	\$162.82
Interest on Credit Line			6.30%	\$3.34	\$406.99
<b>Total Variable Costs</b>				<b>\$148.69</b>	<b>\$18,140.60</b>
Planned Returns Above Variable Costs:				\$469.46	\$57,273.70
Breakeven Price to Cover Variable Costs			\$46.91	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Machinery Depreciation					
Irrigation Equipment	1	Acre	\$48.64	\$48.64	\$5,933.75
Tractors/Self-Propelled	1	Acre	\$20.02	\$20.02	\$2,442.78
Implements	1	Acre	\$3.59	\$3.59	\$437.94
Equipment Investment					
Irrigation Equipment	\$364.78	Dollars	6.30%	\$22.98	\$2,803.69
Tractors/Self-Propelled	\$154.09	Dollars	6.30%	\$9.71	\$1,184.34
Implements	\$44.60	Dollars	6.30%	\$2.81	\$342.82
Allocated Establishment Cost					
Trans Pecos Irrigated Land	1	Acre	\$47.71	\$47.71	\$5,820.01
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00
<b>Total Fixed Costs</b>				<b>\$205.45</b>	<b>\$25,065.32</b>
<b>Total Specified Costs</b>				<b>\$354.15</b>	<b>\$43,205.92</b>
Returns Above Specified Costs				\$264.00	\$32,208.38
<b>Breakeven Price to Cover Total Costs</b>			<b>\$111.72</b>	Ton	

**Example Breakeven Prices**

Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	2.38	\$62.54	\$148.96
90%	2.85	\$52.12	\$124.13
100%	3.17	\$46.91	\$111.72
110%	3.49	\$42.64	\$101.56
125%	3.96	\$37.53	\$89.37

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.**