

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Alamo Switchgrass, Full Season, Pivot Irrigated, Grazed**  
**Far West Extension District - 6**

Crop Acres		122		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
AUM Grazing Lease	6.30	AUM	\$15.50	\$97.65	\$11,913.30
<b>Total Revenue</b>				<b>\$97.65</b>	<b>\$11,913.30</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
Fertilizer					
N-32 in Water	20	Pound	\$0.53	\$10.60	\$1,293.20
Urea, Solid (46% N)	0.45	CWT	\$31.15	\$14.02	\$1,710.14
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	\$4.70	\$21.43	\$2,614.70
Irrigation Labor	0.03	Hour	\$17.50	\$0.46	\$56.36
Machinery Labor					
Tractors/Self-Propelled	0.3	Hour	\$17.21	\$5.16	\$629.89
Diesel Fuel					
Tractors/Self-Propelled	1.14	Gallon	\$3.60	\$4.10	\$500.69
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$12.02	\$12.02	\$1,466.07
Tractors/Self-Propelled	1	Acre	\$1.76	\$1.76	\$214.99
Implements	1	Acre	\$0.34	\$0.34	\$41.42
Interest on Credit Line			8.00%	\$2.46	\$299.57
<b>Total Variable Costs</b>				<b>\$77.57</b>	<b>\$9,464.03</b>
Planned Returns Above Variable Costs:				\$20.08	\$2,449.27
Breakeven Price to Cover Variable Costs			\$12.31	AUM	
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	\$1.72	\$1.72	\$209.44
Implements	1	Acre	\$0.40	\$0.40	\$49.28
Equipment Investment					
Irrigation Equipment	\$364.78	Dollars	8.00%	\$29.18	\$3,560.25
Tractors/Self-Propelled	\$13.37	Dollars	8.00%	\$1.07	\$130.53
Implements	\$4.82	Dollars	8.00%	\$0.39	\$47.05
Allocated Establishment Cost	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>\$179.10</b>	<b>\$21,850.30</b>
<b>Total Specified Costs</b>				<b>\$256.67</b>	<b>\$31,314.33</b>
Returns Above Specified Costs				<b>(\$159.02)</b>	<b>(\$19,401.03)</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$40.74</b>	<b>AUM</b>	

Example Breakeven Prices			
Example Yield Percent	Example Yield AUM	To Cover Variable Costs	To Cover Total Costs
75%	4.73	\$16.42	\$54.32
90%	5.67	\$13.68	\$45.27
100%	6.30	\$12.31	\$40.74
110%	6.93	\$11.19	\$37.04
125%	7.88	\$9.85	\$32.59

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

**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.**