

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 Estimated Costs and Returns per Acre**  
**Alamo Switchgrass, Full Season, Pivot Irrigated, Grazed - 122 Acres**  
**Far West Extension District - 6**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
AUM Grazing Lease	6.30	AUM	\$20.25	\$127.58	\$15,564.15	\$15,564.15
<b>Total Revenue</b>				<b>\$127.58</b>	<b>\$15,564.15</b>	<b>\$15,564.15</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Fertilizer						
N-32 in Water	20	Pound	\$0.17	\$3.40	\$414.80	
Urea, Solid (46% N)	0.45	CWT	\$19.75	\$8.89	\$1,084.28	
Herbicide						
2,4-D Amine 4	40	Ounce	\$0.12	\$4.80	\$585.60	
Other Labor						
Hand Labor	0.14	Hour	\$8.50	\$1.19	\$145.18	
Irrigation						
Energy Cost	4.56	Mcf	\$4.00	\$18.24	\$2,225.28	
Irrigation Labor	0.03	Hour	\$12.00	\$0.32	\$38.65	
Machinery Labor						
Tractors/Self-Propelled	0.3	Hour	\$12.00	\$3.60	\$439.20	
Diesel Fuel						
Tractors/Self-Propelled	1.15	Gallon	\$1.83	\$2.10	\$256.75	
Repairs & Maintenance						
Irrigation Equipment	1	Acre	\$12.02	\$12.02	\$1,466.07	
Tractors/Self-Propelled	1	Acre	\$1.76	\$1.76	\$214.36	
Implements	1	Acre	\$0.22	\$0.22	\$27.33	
Interest on Credit Line			6.50%	\$1.42	\$173.42	
<b>Total Variable Costs</b>				<b>\$57.96</b>	<b>\$7,070.90</b>	
Planned Returns Above Variable Costs:				\$69.62	\$8,493.25	
Breakeven Price to Cover Variable Costs			\$9.20	AUM		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Irrigation Equipment	1	Acre	\$48.64	\$48.64	\$5,933.75	
Tractors/Self-Propelled	1	Acre	\$1.71	\$1.71	\$208.77	
Implements	1	Acre	\$0.23	\$0.23	\$28.21	
Equipment Investment						
Irrigation Equipment	\$364.78	Dollars	6.50%	\$23.71	\$2,892.70	
Tractors/Self-Propelled	\$13.33	Dollars	6.50%	\$0.87	\$105.71	
Implements	\$2.17	Dollars	6.50%	\$0.14	\$17.18	
Allocated Establishment Cost						
Trans Pecos Irrigated Land	1	Acre	\$41.84	\$41.84	\$5,104.48	
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00	
<b>Total Fixed Costs</b>				<b>\$157.14</b>	<b>\$19,170.80</b>	
<b>Total Specified Costs</b>				<b>\$215.10</b>	<b>\$26,241.71</b>	
Returns Above Specified Costs				<b>(\$87.52)</b>	<b>(\$10,677.56)</b>	
Breakeven Price to Cover Total Costs			\$34.14	AUM		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	AUM	Costs	Costs
75%	4.73	\$12.27	\$45.52
90%	5.67	\$10.22	\$37.94
100%	6.30	\$9.20	\$34.14
110%	6.93	\$8.36	\$31.04
125%	7.88	\$7.36	\$27.31

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**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.**