

Projections for Planning Purposes Only -- Not to be Used without Updating
2024 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	\$145.00	\$459.65	\$56,077.30
Total Revenue				\$459.65	\$56,077.30
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
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	2.89	Hour	\$17.21	\$49.74	\$6,067.90
Diesel Fuel					
Tractors/Self-Propelled	16.78	Gallon	\$3.60	\$60.41	\$7,369.78
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$12.02	\$12.02	\$1,466.07
Tractors/Self-Propelled	1	Acre	\$21.51	\$21.51	\$2,624.50
Implements	1	Acre	\$1.97	\$1.97	\$239.99
Interest on Credit Line			8.00%	\$5.50	\$671.47
Total Variable Costs				\$202.88	\$24,751.10
Planned Returns Above Variable Costs:				\$256.77	\$31,326.20
Breakeven Price to Cover Variable Costs			\$64.00	Ton	
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	\$28.01	\$28.01	\$3,416.76
Implements	1	Acre	\$4.35	\$4.35	\$530.96
Equipment Investment					
Irrigation Equipment	\$364.78	Dollars	8.00%	\$29.18	\$3,560.25
Tractors/Self-Propelled	\$204.28	Dollars	8.00%	\$16.34	\$1,993.76
Implements	\$34.58	Dollars	8.00%	\$2.77	\$337.46
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
Total Fixed Costs				\$226.99	\$27,692.95
Total Specified Costs				\$429.87	\$52,444.05
Returns Above Specified Costs				\$29.78	\$3,633.25
Breakeven Price to Cover Total Costs			\$135.61	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	2.38	\$85.33	\$180.81
90%	2.85	\$71.11	\$150.67
100%	3.17	\$64.00	\$135.61
110%	3.49	\$58.18	\$123.28
125%	3.96	\$51.20	\$108.48

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.