Projections for Planning Purposes Only -- Not to be Used without Updating 2025 Estimated Costs and Returns per Acre Alfalfa, Full Season, Baled - 7.5 Ton Goal, Flood Irrigated Far West Extension District - 6

REVENUE	Crop Acres	122				
Allafa Hay - 3X4				±		
VARIABLE COSTS						
Production Costs	· · · · · · · · · · · · · · · · · · ·	7.50	Ion	\$270.00		
MARIABLE COSTS	Total Revenue				\$2,025.00	
Production Costs	VADIABLE COSTS	Quantity	Unito	¢/Llnit	Total	•
Custom		Quantity	Ullits	φ/OIIIt	Total	TOtal
Soil Test						
Custom Apply Fertilizer Fertilizer Fertilizer Fertilizer Fertilizer Fertilizer Fertilizer Fertilizer Fertilizer Tirifuralin 2 Pint \$2.75 \$5.50 \$56.10.78 Herbicide		0.5	Fach	\$5.00	\$2.50	\$305.00
Fertilizer Fertilizer 11-52-0						
Herbicide		·	7.0.0	Ψ0.00	40.00	4770.00
Trifluralin	Fertilizer 11-52-0	73	Pound	\$0.63	\$45.99	\$5,610.78
Pursuit	Herbicide					
Crop Oil Concentrate	Trifluralin	2	Pint	\$2.75	\$5.50	\$671.00
Insecticide	Pursuit	5	Ounce	\$3.35	\$16.73	\$2,040.64
Marrior Z	Crop Oil Concentrate	5	Pint	\$2.18	\$10.88	\$1,326.75
Intrepid 2.31 Ounce \$2.04 \$4.71 \$574.65 Irrigation Energy Cost 40.76 Mcf \$10.00 \$407.60 \$497.27.20 Irrigation Labor O.91 Hour \$17.50 \$15.84 \$1,932.18 Machinery Labor Tractors/Self-Propelled 7.82 Hour \$17.21 \$134.58 \$16,419.03 Diesel Fuel Tractors/Self-Propelled 37.28 Gallon \$2.80 \$104.38 \$12,734.85 Gasoline Pickup/General Use Equipment 1 Acre \$8.68 \$8.68 \$1,059.48 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$18.61 \$1.61 \$196.20 Irrigation Equipment 1 Acre \$18.98 \$18.98 \$2,315.30 Tractors/Self-Propelled 1 Acre \$18.98 \$18.98 \$2,315.30 Interest on Credit Line Tractors/Self-Propelled 1 Acre \$3.04 \$3.04 \$370.37 Interest on Credit Line Tractors/Self-Propelled Self-Propelled Self-Propelled Tractors/Self-Propelled Self-Propelled Self-Propel	Insecticide					
Irrigation						
Energy Cost	·	2.31	Ounce	\$2.04	\$4.71	\$574.65
Irrigation Labor						
Machinery Labor	• .					
Tractors/Self-Propelled 7.82 Hour \$17.21 \$134.58 \$16,419.03		0.91	Hour	\$17.50	\$15.84	\$1,932.18
Diesel Fuel Tractors/Self-Propelled 37.28 Gallon \$2.80 \$104.38 \$12,734.85 Gasoline Pickup/General Use Equipment 1 Acre \$8.68 \$8.68 \$1,059.48 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$18.98 \$18.98 \$2,315.30 Tractors/Self-Propelled 1 Acre \$67.63 \$67.63 \$8,250.45 Implements 1 Acre \$3.04 \$3.04 \$370.37 S2,807.93 S886.84 \$108,194.98 S18.98 \$18.98 \$2,315.30 S67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67.63 \$67	•	7.00		447.04	440450	*** *** **
Tractors/Self-Propelled 37.28 Gallon \$2.80 \$104.38 \$12,734.85 Gasoline Pickup/General Use Equipment 1 Acre \$8.68 \$8.68 \$1,059.48 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.61 \$1.61 \$196.20 Irrigation Equipment 1 Acre \$18.98 \$18.98 \$2,315.30 Tractors/Self-Propelled 1 Acre \$67.63 \$67.63 \$8,250.45 Implements 1 Acre \$3.04 \$3.04 \$370.37 S73.07 S73.0	•	7.82	Hour	\$17.21	\$134.58	\$16,419.03
Pickup/General Use Equipment 1 Acre \$8.68 \$8.68 \$1,059.48		07.00	0.11	40.00	# 404.00	640 704 0 5
Pickup/General Use Equipment Repairs & Maintenance	•	37.28	Gallon	\$2.80	\$104.38	\$12,734.85
Repairs & Maintenance		1	Aoro	¢0 60	¢0 60	¢1 050 49
Pickup/General Use Equipment 1 Acre \$1.61 \$1.61 \$196.20 Irrigation Equipment 1 Acre \$18.98 \$18.98 \$2.315.30 Tractors/Self-Propelled 1 Acre \$67.63 \$67.63 \$8,250.45 Implements 1 Acre \$3.04 \$3.04 \$370.37 Interest on Credit Line 8.00% \$23.02 \$2,807.93 Total Variable Costs \$118.25 Ton Enterprise Fize Description Fickup/General Use Equipment 1 Acre \$60.3 \$60.3 \$735.75 Irrigation Equipment 1 Acre \$60.3 \$60.03 \$735.75 Irrigation Equipment 1 Acre \$60.03 \$60.03 \$735.75 Irrigation Equipment 1 Acre \$89.84 \$89.84 \$10,960.75 Implements 1 Acre \$7.37 \$7.37 \$889.12 Equipment Investment Pickup/General Use Equipment \$1 Acre \$1.37 \$1.37 Equipment Investment \$1.36.17 Dollars \$8.00% \$2.01 \$245.25 Irrigation Equipment \$186.17 Dollars \$8.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars \$8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars \$8.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$109.50 \$13,359.00 Trans Pecos Irrigated Land 1 Acre \$50.00 \$6,100.00 Total Fixed Costs \$3,62.21 \$44,189.67 Total Specified Costs \$775.95 \$94,665.35		1	Acre	φο.0ο	φο.0ο	\$1,059.46
Irrigation Equipment	•	1	Acro	\$1.61	\$1.61	\$196.20
Tractors/Self-Propelled Implements 1 Acre Implements \$67.63 \$8,250.45 Interest on Credit Line \$3.04 \$370.37 Total Variable Costs \$886.84 \$108,194.98 Planned Returns Above Variable Costs: \$118.25 Ton Breakeven Price to Cover Variable Costs \$118.25 Ton Breakeven Price to Cover Variable Costs \$118.25 Ton FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$89.84 \$89.84 \$10,960.75 Implements 1 Acre \$7.37 \$899.12 Equipment Investment \$100 clars \$0.00 \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars \$0.00 \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars \$0.00 \$4.27 \$520.85 Implements \$53.37 Dollars		-		, -		
Implements 1 Acre \$3.04 \$3.04 \$370.37 Interest on Credit Line 8.00% \$23.02 \$2,807.93 Total Variable Costs \$186.84 \$108,194.98 Planned Returns Above Variable Costs \$118.25 Ton Enterprise FIXED COSTS Quantity Units \$\sqrt{Unit} Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$24.82 \$24.82 \$3,028.33 Tractors/Self-Propelled 1 Acre \$89.84 \$89.84 \$10,960.75 Implements 1 Acre \$7.37 \$7.37 \$899.12 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 8.00% \$2.01 \$245.25 Irrigation Equipment \$186.17 Dollars 8.00% \$53.47 \$6,523.62 Irrigation Equipment \$186.17 Dollars 8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars 8.00% \$53.47 \$6,523.62 Implements \$55.37 Dollars 8.00% \$4.27 \$520.95 Allocated Establishment Cost 1 Acre \$109.50 \$109.50 \$13,359.00 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$362.21 \$44,189.67 Total Specified Costs \$775.95 \$94,665.35		· ·				
Interest on Credit Line	•					
Total Variable Costs S886.84 \$108,194.98	•	·	7.0.0			
Planned Returns Above Variable Costs State	Total Variable Costs			_	\$886.84	
State Price to Cover Variable Costs State Stat	Planned Returns Above Variable Costs:			_		
Machinery Depreciation				\$118.25 To		4.00,000.02
Machinery Depreciation						Enterprise
Pickup/General Use Equipment 1 Acre \$6.03 \$735.75 Irrigation Equipment 1 Acre \$24.82 \$24.82 \$3,028.33 Tractors/Self-Propelled 1 Acre \$89.84 \$89.84 \$10,960.75 Implements 1 Acre \$7.37 \$7.37 \$899.12 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 8.00% \$2.01 \$245.25 Irrigation Equipment \$186.17 Dollars 8.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars 8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars 8.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$13,359.00 Total Fixed Costs 1 Acre \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$362.21 \$44,189.67 \$12,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35	FIXED COSTS	Quantity	Units	\$/Unit	Total	
Pickup/General Use Equipment 1 Acre \$6.03 \$735.75 Irrigation Equipment 1 Acre \$24.82 \$24.82 \$3,028.33 Tractors/Self-Propelled 1 Acre \$89.84 \$89.84 \$10,960.75 Implements 1 Acre \$7.37 \$7.37 \$899.12 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 8.00% \$2.01 \$245.25 Irrigation Equipment \$186.17 Dollars 8.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars 8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars 8.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$13,359.00 Total Fixed Costs 1 Acre \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$362.21 \$44,189.67 \$12,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35		,				
Tractors/Self-Propelled 1 Acre \$89.84 \$89.84 \$10,960.75 Implements 1 Acre \$7.37 \$7.37 \$899.12 Equipment Investment \$25.13 Dollars \$.00% \$2.01 \$245.25 Irrigation Equipment \$186.17 Dollars \$.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars \$.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars \$.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$109.50 \$13,359.00 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35		1	Acre	\$6.03	\$6.03	\$735.75
Implements	Irrigation Equipment	1	Acre	\$24.82	\$24.82	\$3,028.33
Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 8.00% \$2.01 \$245.25 Irrigation Equipment \$186.17 Dollars 8.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars 8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars 8.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$109.50 \$13,359.00 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$362.21 \$44,189.67 Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35	Tractors/Self-Propelled	1	Acre	\$89.84	\$89.84	\$10,960.75
Pickup/General Use Equipment Irrigation Equipment \$25.13 Dollars 8.00% \$2.01 \$245.25 Irrigation Equipment Tractors/Self-Propelled \$186.17 Dollars 8.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars 8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars 8.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$10,550 \$13,359.00 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$362.21 \$44,189.67 Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35	Implements	1	Acre	\$7.37	\$7.37	\$899.12
Irrigation Equipment \$186.17 Dollars 8.00% \$14.89 \$1,817.00 Tractors/Self-Propelled \$668.40 Dollars 8.00% \$53.47 \$6,523.62 Implements \$53.37 Dollars 8.00% \$4.27 \$520.85 Allocated Establishment Cost 1 Acre \$109.50 \$109.50 \$13,359.00 Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$362.21 \$44,189.67 Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35 Supplements \$1,249.05 \$10.00 Supplements	Equipment Investment					
Tractors/Self-Propelled Implements \$668.40 Dollars 8.00% \$53.47 \$6,523.62 Allocated Establishment Cost Trans Pecos Irrigated Land 1 Acre \$109.50 \$109.50 \$13,359.00 Total Fixed Costs \$50.00 \$50.00 \$6,100.00 Total Specified Costs \$12,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35						\$245.25
Implements						
Allocated Establishment Cost Trans Pecos Irrigated Land Total Fixed Costs Total Specified Costs Returns Above Specified Costs Total Specified Costs	Tractors/Self-Propelled		Dollars	8.00%	\$53.47	\$6,523.62
Trans Pecos Irrigated Land 1 Acre \$50.00 \$50.00 \$6,100.00 Total Fixed Costs \$362.21 \$44,189.67 Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35	· · · · · · · · · · · · · · · · · · ·					
Total Fixed Costs \$362.21 \$44,189.67 Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35						
Total Specified Costs \$1,249.05 \$152,384.65 Returns Above Specified Costs \$775.95 \$94,665.35	•	1	Acre	\$50.00		
Returns Above Specified Costs \$775.95 \$94,665.35				_	\$362.21	
	Total Specified Costs			_	\$1,249.05	\$152,384.65
Breakeven Price to Cover Total Costs \$166.54 Ton	Returns Above Specified Costs				\$775.95	\$94,665.35
	Breakeven Price to Cover Total Costs			\$166.54 To	on	

		Examp	Example Breakeven Prices		
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent	Ton	Costs	Costs		
75%	5.63	\$157.66	\$222.05		
90%	6.75	\$131.38	\$185.05		
100%	7.50	\$118.25	\$166.54		
110%	8.25	\$107.50	\$151.40		
125%	9.38	\$94.60	\$133.23		

 $\label{lem:conomists} \mbox{Developed by Extension Agricultural Economists, Texas A\&M AgriLife Extension, budgets@tamu.edu.}$

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.