## Projections for Planning Purposes Only -- Not to be Used without Updating 2024 Estimated Costs and Returns per Acre Alfalfa, Full Season, Baled - 7.5 Ton Goal, Flood Irrigated, El Paso Irrigation District Far West Extension District - 6

Crop Acres 122

Revenue	Crop Acres	122				
Aliala Hay - 3X4						Enterprise
Name						
Name	Alfalfa Hay - 3X4	7.50	Ton	\$270.00	\$2,025.00	\$247,050.00
VARIABLE COSTS	Total Revenue			_	\$2,025.00	\$247,050.00
Production Costs						Enterprise
Herbicide	VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
Trifluralin	Production Costs					
Pursuit	Herbicide					
Crop Oil Concentrate	Trifluralin	2	Pint	\$2.75	\$5.50	\$671.00
Fertilizer	Pursuit	5	Ounce	\$3.35	\$16.73	\$2,040.64
Pertilizer 11-52-0	Crop Oil Concentrate	5	Pint	\$2.18	\$10.88	\$1,326.75
Custom Soil Test Custom Apply Fertilizer         0.5 Leach Sci.39         \$5.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$305.00         \$3779.55         Insecticide         Warrior Zustor         \$305.00         \$305.00         \$31.736.00         \$31.736.00         \$31.736.00         \$31.736.00         \$31.736.00         \$31.736.00         \$31.736.00         \$31.736.00         \$305.00         \$31.736.00         \$305.00         \$31.736.00         \$305.00	Fertilizer					
Soil Test	Fertilizer 11-52-0	73	Pound	\$0.63	\$45.99	\$5,610.78
Custom Apply Fertilizer	Custom					
Insecticide	Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00
Warrior Z	Custom Apply Fertilizer	1	Acre	\$6.39	\$6.39	\$779.58
Intrepid	Insecticide					
Irrigation   Water Cost   Wat	Warrior Z	7.04	Ounce	\$1.25	\$8.80	\$1,073.60
Water Cost Machinery Labor Tractors/Self-Propelled         48.00 Acrelnch         \$1.75         \$84.00         \$10,248.00           Diesel Fuel Tractors/Self-Propelled         37.28 Gallon         \$17.21         \$134.58         \$16,419.03           Gasoline Pickup/General Use Equipment Pickup/General Use Equipment Pickup/General Use Equipment Interest of Credit Line         1 Acre Sin.61         \$1.61         \$1,236.06           Repairs & Maintenance Pickup/General Use Equipment Implements         1 Acre Sin.61         \$1.61         \$196.20           Tractors/Self-Propelled Implements         1 Acre Sin.64         \$3.04         \$370.37           Interest on Credit Line         8.00%         \$15.31         \$1,867.52           Total Variable Costs         8.00%         \$551.99         \$67,343.00           Planned Returns Above Variable Costs: Breakeven Price to Cover Variable Costs         \$73.60         Ton         Enterprise Enterprise Total           FIXED COSTS         Quantity         Units         \$/Unit         Total         Total           Machinery Depreciation Pickup/General Use Equipment Tractors/Self-Propelled         1 Acre \$89.84         \$88.84         \$10,960.75           Implements         1 Acre \$89.84         \$88.84         \$10,960.75           Implements Pickup/General Use Equipment Pickup/General Use Equipment Signal Self-Propelled Self-Propelled Self-Propelled Se	Intrepid	2.31	Ounce	\$2.04	\$4.71	\$574.65
Water Cost Machinery Labor Tractors/Self-Propelled         48.00 Acrelnch         \$1.75         \$84.00         \$10,248.00           Diesel Fuel Tractors/Self-Propelled         37.28 Gallon         \$17.21         \$134.58         \$16,419.03           Gasoline Pickup/General Use Equipment Pickup/General Use Equipment Pickup/General Use Equipment Interest of Credit Line         1 Acre Sin.61         \$1.61         \$1,236.06           Repairs & Maintenance Pickup/General Use Equipment Implements         1 Acre Sin.61         \$1.61         \$196.20           Tractors/Self-Propelled Implements         1 Acre Sin.64         \$3.04         \$370.37           Interest on Credit Line         8.00%         \$15.31         \$1,867.52           Total Variable Costs         8.00%         \$551.99         \$67,343.00           Planned Returns Above Variable Costs: Breakeven Price to Cover Variable Costs         \$73.60         Ton         Enterprise Enterprise Total           FIXED COSTS         Quantity         Units         \$/Unit         Total         Total           Machinery Depreciation Pickup/General Use Equipment Tractors/Self-Propelled         1 Acre \$89.84         \$88.84         \$10,960.75           Implements         1 Acre \$89.84         \$88.84         \$10,960.75           Implements Pickup/General Use Equipment Pickup/General Use Equipment Signal Self-Propelled Self-Propelled Self-Propelled Se	Irrigation					
Machinery Labor		48.00	Acrelnch	\$1.75	\$84.00	\$10,248.00
Diesel Fuel	Machinery Labor					. ,
Diesel Fuel	Tractors/Self-Propelled	7.82	Hour	\$17.21	\$134.58	\$16,419.03
Repairs & Maintenance						, .,
Pickup/General Use Equipment   1   Acre   \$10.13   \$10.13   \$1,236.06     Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$1.61   \$1.61   \$196.20     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   80.0%   \$15.31   \$1,867.52     Total Variable Costs   \$551.99   \$67,343.00     Planned Returns Above Variable Costs:   \$73.60   Ton   Enterprise     FIXED COSTS   Quantity   Units   \$/Unit   Total     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$6.03   \$6.03   \$735.75     Tractors/Self-Propelled   1   Acre   \$89.84   \$89.84   \$10,960.75     Implements   1   Acre   \$89.84   \$89.84   \$10,960.75     Implements   1   Acre   \$7.37   \$899.12     Equipment Investment   Pickup/General Use Equipment   \$25.13   Dollars   8.00%   \$53.47   \$6,523.62     Implements   \$53.37   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 Specified Costs   \$874.49   \$106,687.34     Returns Above Specified Costs   \$81,150.51   \$140,362.66	Tractors/Self-Propelled	37.28	Gallon	\$3.60	\$134.21	\$16,373.38
Repairs & Maintenance					, -	, .,.
Repairs & Maintenance	Pickup/General Use Equipment	1	Acre	\$10.13	\$10.13	\$1,236.06
Pickup/General Use Equipment   1   Acre   \$1.61   \$1.61   \$196.20   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%   \$15.31   \$1,867.52   \$551.99   \$67,343.00   S73.60				,	, -	, ,
Tractors/Self-Propelled	•	1	Acre	\$1.61	\$1.61	\$196.20
Implements   1   Acre   \$3.04   \$3.04   \$370.37     Interest on Credit Line   8.00%   \$15.31   \$1,867.52     Total Variable Costs   \$551.99   \$67,343.00     Planned Returns Above Variable Costs:   \$1,473.01   \$179,707.00     Breakeven Price to Cover Variable Costs   \$73.60   Ton     Enterprise   Enterprise   Enterprise     FIXED COSTS   Quantity   Units   \$/Unit   Total   Total     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$6.03   \$6.03   \$735.75     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     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     Total Fixed Costs   \$322.49   \$39,344.34     Returns Above Specified Costs   \$1,150.51   \$140,362.66		1				
Interest on Credit Line		1				
Total Variable Costs   S551.99   \$67,343.00	•	•				
Planned Returns Above Variable Costs   \$1,473.01 \$179,707.00				-		
Breakeven Price to Cover Variable Costs   \$73.60   Ton   Enterprise				=		
FIXED COSTS   Quantity   Units   \$/Unit   Total   Total				\$73.60		Ψ175,707.00
Machinery Depreciation	breakevent rice to cover variable costs			Ψ73.00	1011	Enternrice
Machinery Depreciation         Pickup/General Use Equipment         1         Acre         \$6.03         \$6.03         \$735.75           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           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           Total Fixed Costs         1         Acre         \$50.00         \$6,100.00         \$322.49         \$39,344.34           Total Specified Costs         \$874.49         \$106,687.34         \$874.49         \$106,687.34           Returns Above Specified Costs         \$1,150.51         \$140,362.66	FIXED COSTS	Quantity	Unite	\$/LInit	Total	•
Pickup/General Use Equipment   1   Acre   \$6.03   \$6.03   \$735.75     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     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   \$322.49   \$33,344.34     Total Specified Costs   \$1,150.51   \$140,362.66     Returns Above Specified Costs   \$1,150.51   \$140,362.66     Trans Pecos Irrigated Costs   \$1		Quantity	Offics	Φ/OIII	TOtal	Total
Tractors/Self-Propelled         1         Acre         \$89.84         \$89.84         \$10,960.75           Implements         1         Acre         \$7.37         \$7.37         \$899.12           Equipment Investment         Fickup/General Use Equipment         \$25.13         Dollars         8.00%         \$2.01         \$245.25           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           Trans Pecos Irrigated Land         1         Acre         \$50.00         \$50.00         \$6,100.00           Total Fixed Costs         \$322.49         \$33,344.34           Total Specified Costs         \$1,150.51         \$140,362.66	, .	1	Acre	\$6.03	\$6.03	\$735.75
Implements		-				
Equipment Investment         Pickup/General Use Equipment       \$25.13       Dollars       8.00%       \$2.01       \$245.25         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       \$322.49       \$39,344.34         Total Specified Costs       \$874.49       \$106,687.34         Returns Above Specified Costs       \$1,150.51       \$140,362.66	·	· · · · · · · · · · · · · · · · · · ·				
Pickup/General Use Equipment Tractors/Self-Propelled         \$25.13         Dollars         8.00%         \$2.01         \$245.25           Implements         \$668.40         Dollars         8.00%         \$53.47         \$6,523.62           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         \$322.49         \$39,344.34           Total Specified Costs         \$874.49         \$106,687.34           Returns Above Specified Costs         \$1,150.51         \$140,362.66	•	'	Acre	φ1.31	φ7.37	φ033.12
Tractors/Self-Propelled Implements         \$668.40 bigs         Dollars Self-Propelled Self-Propelled Implements         \$6,523.62 bigs         \$53.47 bigs         \$53.47 bigs         \$52.42 bigs         \$523.62 bigs         \$523.62 bigs         \$523.62 bigs         \$520.85 bigs         \$109.50 bigs         \$109.50 bigs         \$13,359.00 bigs         \$50.00 bigs         \$50.00 bigs         \$6,100.00 bigs         \$6,100.00 bigs         \$322.49 bigs         \$3322.49 bigs         \$3322.49 bigs         \$3322.49 bigs         \$3322.49 bigs         \$306,687.34 bigs         \$874.49 bigs         \$106,687.34 bigs         \$100,687.34 bigs         \$10	• •	¢2E 12	Dollara	9.000/	¢2.01	¢24E 2E
Implements		7				
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 \$322.49 \$39,344.34  Total Specified Costs \$874.49 \$106,687.34  Returns Above Specified Costs \$1,150.51 \$140,362.66	•					
Trans Pecos Irrigated Land         1 Acre         \$50.00         \$50.00         \$6,100.00           Total Fixed Costs         \$322.49         \$39,344.34           Total Specified Costs         \$874.49         \$106,687.34           Returns Above Specified Costs         \$1,150.51         \$140,362.66						
Total Fixed Costs         \$322.49         \$39,344.34           Total Specified Costs         \$874.49         \$106,687.34           Returns Above Specified Costs         \$1,150.51         \$140,362.66		-				
Total Specified Costs         \$874.49         \$106,687.34           Returns Above Specified Costs         \$1,150.51         \$140,362.66	J .	ı	Acre	\$50.00		
Returns Above Specified Costs \$1,150.51 \$140,362.66				=		
	Total Specified Costs			=	\$874.49	\$106,687.34
Breakeven Price to Cover Total Costs \$116.60 Ton	Returns Above Specified Costs				\$1,150.51	\$140,362.66
	Breakeven Price to Cover Total Costs			\$116.60	Ton	

		Example Breakeven Prices			
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent	Ton	Costs	Costs		
75%	5.63	\$98.13	\$155.46		
90%	6.75	\$81.78	\$129.55		
100%	7.50	\$73.60	\$116.60		
110%	8.25	\$66.91	\$106.00		
125%	9.38	\$58.88	\$93.28		

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

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.