Projections for Planning Purposes Only -- Not to be Used without Updating 2020 Estimated Costs and Returns per Acre Alfalfa, Full Season, Baled - 7.5 Ton Goal, Center Pivot Irrigated, Dell City Far West Extension District - 6

122	Crop Acres
122	Crop Acres

Alialla Hay - 3X4	REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Name						
MARIABLE COSTS	Total Revenue			_	\$2,002.50	
Custom Soil Test Custom Apply Fertilizer 1 Acre \$5.00 \$2.50 \$305.00 \$610.00 \$7.00	VARIABLE COSTS	Quantity	Units	\$/Unit	Total	
Soil Test	Production Costs					
Custom Apply Fertilizer						
Fertilizer Fer						
Fertilizer 11-52-0		1	Acre	\$5.00	\$5.00	\$610.00
Herbicide				••••		•• •=• • •
Trifluralin		/3	Pound	\$0.39	\$28.47	\$3,473.34
Pursuit		0	Dist	60.75	\$5.50	CO74 00
Crop Oil Concentrate						
Insecticide						. ,
Warrior Z Intrepid 7.04 Ounce Intrepid \$1.25 S.08 \$8.80 \$1,073.60 S66.19	•	5	Pint	\$1.48	\$7.40	\$902.80
Intrepid Content		7.04	Ounco	¢1 25	00 QQ	¢1 072 60
Irrigation						
Energy Cost 17,596,44 Irrigation Labor 10,10 10 10 10 15,00 13,43 17,596,44 17,5		2.31	Ounce	φ2.00	Φ4.00	φ300.19
Irrigation Labor Machinery Labor Tractors/Self-Propelled 7.82 Hour \$15.00 \$11.43 \$174.77 Machinery Labor Tractors/Self-Propelled 7.82 Hour \$15.00 \$117.30 \$14,310.60 Diesel Fuel Tractors/Self-Propelled 35.69 Gallon \$2.60 \$92.79 \$11,320.87 Gasoline	9	25.71	Mof	\$5.61	¢144 22	¢17 506 44
Machinery Labor Tractors/Self-Propelled 7.82 Hour \$15.00 \$117.30 \$14,310.60 Diesel Fuel Tractors/Self-Propelled 35.69 Gallon \$2.60 \$92.79 \$11,320.87 Gasoline Pickup/General Use Equipment Irrigation Equipment 1 Acre \$7.72 \$7.72 \$941.76 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.61 \$1.61 \$196.20 Irrigation Equipment 1 Acre \$43.80 \$43.80 \$5,343.23 Tractors/Self-Propelled 1 Acre \$62.38 \$62.38 \$7,610.15 Interest on Credit Line 6.00% \$11.22 \$1,368.72 Total Variable Costs 8 \$564.51 \$68,870.17 Planned Returns Above Variable Costs: \$75.27 \$70 \$175,434.83 Breakeven Price to Cover Variable Costs \$75.27 \$70 \$175,434.83 Brigation Equipment Pickup/General Use Equipment Integration Equipment Int						. ,
Tractors/Self-Propelled 7.82 Hour \$15.00 \$117.30 \$14,310.60		0.10	rioui	Ψ13.00	Ψ1.43	Ψ174.77
Diesel Fuel		7.82	Hour	\$15.00	\$117.30	\$14 310 60
Tractors/Self-Propelled 35.69 Gallon \$2.60 \$92.79 \$11,320.87		7.02	rioui	Ψ10.00	ψ117.50	Ψ14,510.00
Pickup/General Use Equipment 1 Acre \$7.72 \$7.72 \$941.76		35.69	Gallon	\$2.60	\$92.79	\$11 320 87
Pickup/General Use Equipment 1 Acre \$7.72 \$7.72 \$941.76 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$1.61 \$1.61 \$1.96.20 Irrigation Equipment 1 Acre \$43.80 \$43.80 \$5,343.23 Tractors/Self-Propelled 1 Acre \$62.38 \$62.38 \$7,610.15 Implements 1 Acre \$2.83 \$2.83 \$344.87 Interest on Credit Line 6.00% \$11.22 \$1,368.72 Total Variable Costs \$564.51 \$68,870.17 \$1,437.99 \$175,434.83 \$1,437.99 \$175,434.83 \$1,437.99 \$175,434.83 \$1,437.99 \$175,434.83 \$1,437.99 \$175,434.83 \$1,437.99 \$1,437.		00.00	Gallon	Ψ2.00	Ψ32.73	Ψ11,020.07
Repairs & Maintenance		1	Acre	\$7.72	\$7.72	\$941.76
Pickup/General Use Equipment		•	710.0	Ų <u> </u>	Ψ	ψο σ
Irrigation Equipment		1	Acre	\$1.61	\$1.61	\$196.20
Tractors/Self-Propelled 1 Acre \$62.38 \$62.38 \$7,610.15 Implements 1 Acre \$2.83 \$2.83 \$344.87 Interest on Credit Line 560.00 \$11.22 \$1,368.70 Total Variable Costs 5564.51 \$68.870.17 Planned Returns Above Variable Costs \$75.27 Ton Planned Returns Above Variable Costs \$75.27 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 \$57.32 \$57.32 \$6,993.62 Tractors/Self-Propelled 1 Acre \$6.86 \$6.86 \$837.51 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.00% \$1.51 \$183.94 Irrigation Equipment \$429.94 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$600.62 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$49.78 Dollars 6.00% \$25.80 \$3,147.13 Allocated Establishment Cost 1 Acre \$40.00 \$40.00 \$4,880.00 Total Specified Costs \$1,058.72 \$129,164.35 Returns Above Specified Costs \$1,058.72 \$129,164.35 Status Allocated Costs \$1,058.72 \$129,164.35 Tractors/Self-Octost \$1,058.72 \$129,164.35 Returns Above Specified Costs \$1,058.72 \$129,164.35 Status Allocated Establishment Cost \$1,058.72 \$129,164.35 Total Specified Costs \$1,058.72 \$129,164.35 Status Allocated Establishment Cost \$1,058.72 \$129,164.35 Total Specified Costs \$1,058.72 \$129,164.35		1	Acre	\$43.80	•	
Implements 1 Acre \$2.83 \$2.83 \$344.87 Interest on Credit Line 56.00% \$11.22 \$1,368.72 Total Variable Costs 5564.51 \$68,870.17 Planned Returns Above Variable Costs 775.27 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 \$57.32 \$57.32 \$6,993.62 Tractors/Self-Propelled 1 Acre \$6.86 \$6.86 \$837.51 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.00% \$1.51 \$183.94 Irrigation Equipment \$429.94 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$600.62 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$600.62 Dollars 6.00% \$25.80 \$3,147.13 Allocated Establishment Cost 1 Acre \$122.75 \$122.75 \$14.975.50 Trans Pecos Irrigated Land 1 Acre \$40.00 \$40.00 \$4,880.00 Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35 Returns Above Specified Costs \$1,058.72 \$129,164.35 State		1	Acre			. ,
Interest on Credit Line		1				. ,
Planned Returns Above Variable Costs \$1,437.99 \$175,434.83						
State	Total Variable Costs			_	\$564.51	\$68,870.17
State	Planned Returns Above Variable Costs:			_	\$1,437,99	\$175,434,83
Pixed Costs Quantity Units \$\(\)Unit Total Total Total				\$75.27 T	* ,	• • ,
Machinery Depreciation				•		Enterprise
Machinery Depreciation 1 Acre \$6.03 \$6.03 \$735.75 Irrigation Equipment 1 Acre \$57.32 \$57.32 \$6,993.62 Tractors/Self-Propelled 1 Acre \$79.97 \$79.97 \$9,756.08 Implements 1 Acre \$6.86 \$6.86 \$837.51 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.00% \$1.51 \$183.94 Irrigation Equipment \$429.94 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$600.62 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$600.62 Dollars 6.00% \$36.04 \$4,396.54 Implements \$49.78 Dollars 6.00% \$2.99 \$364.41 Allocated Establishment Cost 1 Acre \$122.75 \$122.75 \$14,975.50 Trans Pecos Irrigated Land 1 Acre \$40.00 \$40.00 \$4,880.00 Total Specified Costs \$94	FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment		•				
Tractors/Self-Propelled 1 Acre \$79.97 \$9,756.08 Implements 1 Acre \$6.86 \$6.86 \$837.51 Equipment Investment Pickup/General Use Equipment \$25.13 Dollars 6.00% \$1.51 \$183.94 Irrigation Equipment \$429.94 Dollars 6.00% \$25.80 \$3,147.13 Tractors/Self-Propelled \$600.62 Dollars 6.00% \$36.04 \$4,396.54 Implements \$49.78 Dollars 6.00% \$2.99 \$364.41 Allocated Establishment Cost 1 Acre \$122.75 \$122.75 \$14,975.50 Trans Pecos Irrigated Land 1 Acre \$40.00 \$40.00 \$4,880.00 Total Fixed Costs \$379.27 \$46,270.48 Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35	Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75
Implements	Irrigation Equipment	1	Acre	\$57.32	\$57.32	\$6,993.62
Equipment Investment Pickup/General Use Equipment Irrigation Equipment Irrigation Equipment Tractors/Self-Propelled \$25.13 Dollars 6.00% \$1.51 \$183.94 Allocated Establishment Cost Trans Pecos Irrigated Land \$429.94 Dollars 6.00% \$25.80 \$3,147.13 Allocated Establishment Sot \$49.78 Dollars 6.00% \$36.04 \$4,396.54 Trans Pecos Irrigated Land 1 Acre \$122.75 \$122.75 \$14,975.50 Total Fixed Costs \$379.27 \$46,270.48 Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35	Tractors/Self-Propelled	1	Acre	\$79.97	\$79.97	\$9,756.08
Pickup/General Use Equipment Irrigation Equipment Irrigation Equipment \$25.13 Dollars 6.00% \$1.51 \$183.94 Allocated Establishment Cost Trans Pecos Irrigated Land \$600.62 Dollars 6.00% \$36.04 \$4,396.54 Allocated Establishment Cost Trans Pecos Irrigated Land 1 Acre \$122.75 \$122.75 \$122.75 \$14,975.50 Total Fixed Costs \$379.27 \$46,270.48 Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35	Implements	1	Acre	\$6.86	\$6.86	\$837.51
Irrigation Equipment	Equipment Investment					
Tractors/Self-Propelled Implements \$600.62 Dollars 6.00% \$36.04 \$4,396.54 Implements \$49.78 Dollars 6.00% \$2.99 \$364.41 Acre \$122.75 \$122.75 \$122.75 \$14,975.50 Trans Pecos Irrigated Land 1 Acre \$40.00 \$40.00 \$4,880.00 \$379.27 \$46,270.48 \$104 Specified Costs Total Specified Costs \$943.78 \$115,140.65 \$115,140.65 \$115,140.65 \$10,58.72 \$129,164.35 \$129	Pickup/General Use Equipment	\$25.13	Dollars	6.00%	\$1.51	\$183.94
Implements	Irrigation Equipment	\$429.94	Dollars	6.00%	\$25.80	\$3,147.13
Allocated Establishment Cost 1 Acre \$122.75 \$122.75 \$14,975.50 Trans Pecos Irrigated Land 1 Acre \$40.00 \$40.00 \$4,880.00 Total Fixed Costs \$379.27 \$46,270.48 Total Specified Costs \$943.78 \$115,140.65	Tractors/Self-Propelled	\$600.62	Dollars	6.00%	\$36.04	\$4,396.54
Trans Pecos Irrigated Land 1 Acre \$40.00 \$40.00 \$4,880.00 Total Fixed Costs \$379.27 \$46,270.48 Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35	Implements	\$49.78	Dollars	6.00%	\$2.99	\$364.41
Total Fixed Costs \$379.27 \$46,270.48 Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35	Allocated Establishment Cost		Acre	\$122.75	\$122.75	\$14,975.50
Total Specified Costs \$943.78 \$115,140.65 Returns Above Specified Costs \$1,058.72 \$129,164.35	Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
Returns Above Specified Costs \$1,058.72 \$129,164.35	Total Fixed Costs				\$379.27	\$46,270.48
	Total Specified Costs			_	\$943.78	\$115,140.65
Breakeven Price to Cover Total Costs \$125.84 Ton	Returns Above Specified Costs				\$1,058.72	\$129,164.35
	Breakeven Price to Cover Total Costs			\$125.84 T	on	

		Example Breakeven Prices			
Example Yield	Example Yield	To Cover Variable	To Cover Total		
Percent	Ton	Costs	Costs		
75%	5.63	\$100.36	\$167.78		
90%	6.75	\$83.63	\$139.82		
100%	7.50	\$75.27	\$125.84		
110%	8.25	\$68.43	\$114.40		
125%	9.38	\$60.21	\$100.67		

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.