Projections for Planning Purposes Only -- Not to be Used without Updating 2018 Estimated Costs and Returns per Acre Alfalfa, RoundUp Ready, Full Season, Baled - 6.5 ton, Center Pivot Irrigated West Central Extension District - 7

REVENUE	Crop Acres	122				
Alfalla Hay - Baled 3X4	·					
Total Revenue						
NARIABLE COSTS	•	6.50	Ion	\$180.00	. ,	
MARIABLE COSTS	Total Revenue				\$1,170.00	
Production Costs	VARIABLE COCTO	0 "	11.0	A (1.1.)	.	
Custom		Quantity	Units	\$/Unit	i otai	I otal
Soil Test-Irrigated						
Apply Dry Fertilizer 1		1	Fach	\$0.50	\$0.50	\$61.00
Fertilizer		-			*	*
Fertilizer		•				·
Phos (11-52-0 DRY MAT)		5.24	Daic	Ψ21.01	Ψ204.70	ψ51,075.11
Herbicide		73	Pounds	\$0.44	\$32.27	\$3 936 45
Trifluralin			. 04.140	Ψ0	402.2.	φο,σσσ. το
Clyphosate 110		2	Pint	\$2.94	\$5.88	\$716.75
Insecticide						·
Intrepid	• • • • • • • • • • • • • • • • • • • •			*	•	* ,
Irrigation	Mustang Max(Warrior Z)	7.04	Ounce	\$1.25	\$8.80	\$1,073.60
Irrigation		2.3	Ounce	\$1.98	\$4.56	
Irrigation Labor Machinery Labor Tractors/Self-Propelled 2.95 Hour \$12.00 \$35.40 \$4,318.80	Irrigation					
Machinery Labor Tractors/Self-Propelled 2.95 Hour \$12.00 \$35.40 \$4,318.80 Diesel Fuel Tractors/Self-Propelled 22.93 Gallon \$2.15 \$49.30 \$6,014.54 Gasoline Pickup/General Use Equipment 1 Acre \$5.97 \$5.97 \$727.92 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$2.69 \$2.69 \$328.50 Irrigation Equipment 1 Acre \$94.87 \$94.87 \$11.574.24 Tractors/Self-Propelled 1 Acre \$48.21 \$48.21 \$5,881.89 Implements 1 Acre \$0.45 \$0.45 \$54.60 Interest on Credit Line 6.00% \$14.36 \$1751.44 Total Variable Costs \$896.08 \$109.322.08 Planned Returns Above Variable Costs: \$137.86 Ton Enterprise Brakeven Price to Cover Variable Costs \$137.86 Ton Enterprise FIXED COSTS Quantity Units \$/Unit \$0.01 \$5.71 \$5.71	Energy Cost	36.00	AcreInch	\$8.57	\$308.69	\$37,660.73
Tractors/Self-Propelled 2.95 Hour \$12.00 \$35.40 \$4,318.80	Irrigation Labor	0.80	Hour	\$12.00	\$9.60	\$1,171.20
Diesel Fuel	Machinery Labor					
Tractors/Self-Propelled 22.93 Gallon \$2.15 \$49.30 \$6,014.54	Tractors/Self-Propelled	2.95	Hour	\$12.00	\$35.40	\$4,318.80
Pickup/General Use Equipment 1 Acre \$5.97 \$5.97 \$727.92						
Pickup/General Use Equipment Repairs & Maintenance Rickup/General Use Equipment 1 Acre \$2.69 \$2.69 \$328.50 Irrigation Equipment 1 Acre \$94.87 \$94.87 \$11,574.24 Tractors/Self-Propelled 1 Acre \$48.21 \$48.21 \$5,881.89 Implements 1 Acre \$0.45 \$0.45 \$55.460 Interest on Credit Line 6.00% \$14.36 \$1,751.44 Total Variable Costs 8896.08 \$109,322.08 Planned Returns Above Variable Costs: \$137.86 Ton Breakeven Price to Cover Variable Costs \$137.86 Ton FIXED COSTS Quantity Units \$/Unit Total Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$5.71 \$5.71 \$696.60 Irrigation Equipment 1 Acre \$60.11 \$60.11 \$7,333.33 Tractors/Self-Propelled 1 Acre \$56.81 \$56.81 \$6,931.33 Implements 1 Acre \$56.81 \$56.81 \$6,931.33 Implements 1 Acre \$1.01 \$1.01 \$122.85 Equipment Investment \$450.82 Dollars 6.00% \$27.05 \$3,300.00 Tractors/Self-Propelled \$439.35 Dollars 6.00% \$27.05 \$3,216.05 Implements \$6.15 Dollars 6.00% \$3.05		22.93	Gallon	\$2.15	\$49.30	\$6,014.54
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$5.97	\$5.97	\$727.92
Irrigation Equipment	·			_		
Tractors/Self-Propelled		•				
Implements 1 Acre \$0.45 \$0.45 \$54.60 Interest on Credit Line 6.00% \$14.36 \$1,751.44 Total Variable Costs \$896.08 \$109,322.08 Planned Returns Above Variable Costs \$137.86 Ton FIXED COSTS Quantity Units \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\ \$\		•				
Interest on Credit Line		-				
Total Variable Costs September Septe	•	1	Acre			·
Planned Returns Above Variable Costs \$273.92 \$33,417.92				6.00%		
Breakeven Price to Cover Variable Costs \$137.86 Ton Enterprise Total				_		
Machinery Depreciation						\$33,417.92
Machinery Depreciation	Breakeven Price to Cover Variable Costs			\$137.86 T	on	
Machinery Depreciation Pickup/General Use Equipment 1 Acre \$5.71 \$5.71 \$696.60 Irrigation Equipment 1 Acre \$60.11 \$7,333.33 \$7 acrors/Self-Propelled 1 Acre \$56.81 \$56.81 \$6,931.33 Implements 1 Acre \$1.01 \$1.01 \$1.22.85 Equipment Investment Pickup/General Use Equipment \$31.65 Dollars 6.00% \$1.90 \$231.66 Irrigation Equipment \$450.82 Dollars 6.00% \$27.05 \$3,300.00 Tractors/Self-Propelled \$439.35 Dollars 6.00% \$26.36 \$3,216.05 Implements \$6.15 Dollars 6.00% \$0.37 \$45.04 Allocated Establishment Cost 1 Acre \$103.69 \$103.69 \$12,649.69 Rent-Irrigated Crop 1 Acre \$70.00 \$70.00 \$8,540.00 Total Fixed Costs \$353.00 \$43,066.56 \$1,249.09 \$152,388.63 Returns Above Specified Costs \$(\$79.09)	FIVER COOTS	0 "	11.5	A (1.1.)	.	
Pickup/General Use Equipment		Quantity	Units	\$/Unit	i otai	I otal
Irrigation Equipment		1	Aoro	¢E 71	¢E 71	¢e0e e0
Tractors/Self-Propelled Implements 1 Acre \$56.81 \$6.931.33 Implements 1 Acre \$1.01 \$1.01 \$122.85 Equipment Investment Pickup/General Use Equipment \$31.65 Dollars 6.00% \$1.90 \$231.66 Irrigation Equipment \$450.82 Dollars 6.00% \$27.05 \$3,300.00 Tractors/Self-Propelled \$439.35 Dollars 6.00% \$26.36 \$3,216.05 Implements \$6.15 Dollars 6.00% \$0.37 \$45.04 Allocated Establishment Cost 1 Acre \$103.69 \$103.69 \$12,649.69 Rent-Irrigated Crop 1 Acre \$70.00 \$8,540.00 Total Fixed Costs \$353.00 \$43,066.56 Total Specified Costs \$12,249.09 \$152,388.63 Returns Above Specified Costs (\$79.09) (\$9,648.63)						
Implements						
Equipment Investment Pickup/General Use Equipment \$31.65 Dollars 6.00% \$1.90 \$231.66 Irrigation Equipment \$450.82 Dollars 6.00% \$27.05 \$3,300.00 Tractors/Self-Propelled \$439.35 Dollars 6.00% \$26.36 \$3,216.05 Implements \$6.15 Dollars 6.00% \$0.37 \$45.04 Allocated Establishment Cost 1 Acre \$103.69 \$103.69 \$12,649.69 Rent-Irrigated Crop 1 Acre \$70.00 \$8,540.00 Total Fixed Costs \$353.00 \$43,066.56 Total Specified Costs \$1,249.09 \$152,388.63 Returns Above Specified Costs (\$79.09) (\$9,648.63)	·	-			*	. ,
Pickup/General Use Equipment \$31.65 Dollars 6.00% \$1.90 \$231.66 Irrigation Equipment \$450.82 Dollars 6.00% \$27.05 \$3,300.00 Tractors/Self-Propelled \$439.35 Dollars 6.00% \$26.36 \$3,216.05 Implements \$6.15 Dollars 6.00% \$0.37 \$45.04 Allocated Establishment Cost 1 Acre \$103.69 \$103.69 \$12,649.69 Rent-Irrigated Crop 1 Acre \$70.00 \$70.00 \$8,540.00 Total Fixed Costs \$353.00 \$43,066.56 Total Specified Costs \$1,249.09 \$152,388.63 Returns Above Specified Costs \$(\$79.09) \$(\$9,648.63)	•		71010	Ψ1.01	Ψ1.01	Ψ122.00
Irrigation Equipment		\$31.65	Dollars	6.00%	\$1.90	\$231.66
Tractors/Self-Propelled Implements \$439.35 Pollars Dollars 6.00% \$26.36 Pollars \$3,216.05 Pollars Allocated Establishment Cost Rent-Irrigated Crop 1 Acre Pollars \$103.69						
Implements						
Allocated Establishment Cost 1 Acre \$103.69 \$103.69 \$12,649.69 Rent-Irrigated Crop 1 Acre \$70.00 \$70.00 \$8,540.00 Total Fixed Costs \$353.00 \$43,066.56 Total Specified Costs \$1,249.09 \$152,388.63 Returns Above Specified Costs \$(\$79.09) \$(\$9,648.63)						. ,
Rent-Irrigated Crop 1 Acre \$70.00 \$8,540.00 Total Fixed Costs \$353.00 \$43,066.56 Total Specified Costs \$1,249.09 \$152,388.63 Returns Above Specified Costs (\$79.09) (\$9,648.63)	•					·
Total Fixed Costs \$353.00 \$43,066.56 Total Specified Costs \$1,249.09 \$152,388.63 Returns Above Specified Costs (\$79.09) (\$9,648.63)		•				
Total Specified Costs \$1,249.09 \$152,388.63 Returns Above Specified Costs (\$79.09) (\$9,648.63)		·	710.0	4.0.00		
Returns Above Specified Costs (\$79.09) (\$9,648.63)				=		
	Total Opcomou Costo			=	Ψ1,2+3.03	Ψ102,000.03
Breakeven Price to Cover Total Costs \$192.17 Ton	Returns Above Specified Costs				(\$79.09)	(\$9,648.63)
	Breakeven Price to Cover Total Costs			\$192.17 T	on	

		Example Breakeven Prices				
Example	Example	To Cover	To Cover			
Yield	Yield	Variable	Total			
Percent	Ton	Costs	Costs			
75%	4.88	\$183.81	\$256.22			
90%	5.85	\$153.18	\$213.52			
100%	6.50	\$137.86	\$192.17			
110%	7.15	\$125.33	\$174.70			
125%	8.13	\$110.29	\$153.73			

Developed by Bill Thompson, Associate 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.