Projections for Planning Purposes Only -- Not to be Used without Updating 2024 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				
Aliafa Hay - Baled 3X4						
VARIABLE COSTS						
Name	,	6.50	Ton	\$270.00		
VARIABLE COSTS	Total Revenue				\$1,755.00	
Production Costs	VARIABLE COSTS	Ougntitue	Linita	¢/Llni+	Total	
Custom		Quantity	Units	\$/Unit	rotai	rotai
Soil Test-Irrigated						
Apply Dry Fertilizer		1	Fach	\$0.50	\$0.50	\$61.00
Swath, Rake and Bale 9.24 Bale \$29.58 \$273.32 \$33,344.94	ğ .					
Fertilizer	, ,					
Phos (11-52-0 DRY MAT) 73 Pounds \$1.29 \$94.17 \$11,488.74 Herbicide Trifluralin Glybosate 110 Ounce \$0.13 \$14.61 \$1.782.34 Insecticide Intrepid Mustang Max(Warrior Z) 2.3 Ounce \$2.04 \$4.69 \$572.16 Mustang Max(Warrior Z) 7.04 Ounce \$2.04 \$4.69 \$572.16 Irrigation Energy Cost Irrigation Labor 36.00 Acrelnch Sel.93 \$321.62 \$39,237.22 Irrigation Labor Other Labor Other Labor Other Labor Other Labor Other Labor Other Labor Flow Flow General Use Equipment Tractors/Self-Propelled Tractors/Self-Propelled 21.82 Gallon Sel.94 \$7.12 \$48.19 \$5,878.94 Gasoline Pickup/General Use Equipment Irrigation Costs 1 Acre Sel.9 \$2.69 \$328.50 Total Variable Costs Propelled Irrigation Equipment Ir		5.24	Daic	Ψ25.50	Ψ273.32	ψ55,544.54
Herbicide		73	Pounds	\$1.29	\$94.17	\$11,488,74
Trifluralin		, 0	roundo	Ψ1.20	φ04.17	Ψ11,400.74
Simple		2	Pint	\$2.75	\$5.50	\$671.00
Insecticide						
Intrepid Mustang Max(Warrior Z) 7.04 Ounce \$1.25 \$8.80 \$1,073.60 Irrigation	**			******		+ 1,1 0=10 1
Mustang Max(Warrior Z) 7.04 Ounce \$1.25 \$8.80 \$1,073.60 Irrigation Energy Cost 36.00 Acrelnch \$8.93 \$321.62 \$39,237.22 Irrigation Labor 0.80 Hour \$17.50 \$14.00 \$1,708.00 Machinery Labor Tractors/Self-Propelled 2.8 Hour \$17.21 \$48.19 \$5,878.94 Other Labor Other		2.3	Ounce	\$2.04	\$4.69	\$572.16
Irrigation						
Energy Cost 36.00 AcreInch \$8.93 \$321.62 \$39,237.22 Irrigation Labor 0.80 Hour \$17.50 \$14.00 \$1,708.00 Machinery Labor Tractors/Self-Propelled 2.8 Hour \$17.21 \$48.19 \$5,878.94 Other Labor 0.03 Hour \$17.21 \$48.19 \$5,878.94 Other Labor 0.03 Hour \$17.21 \$0.52 \$62.99 Diesel Fuel Tractors/Self-Propelled 21.82 Gallon \$3.60 \$78.55 \$9,583.34 Gasoline Pickup/General Use Equipment 1 Acre \$7.14 \$7.14 \$871.02 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$94.87 \$94.87 \$11,574.24 Tractors/Self-Propelled 1 Acre \$94.87 \$94.87 \$11,574.24 Tractors/Self-Propelled 1 Acre \$56.68 \$56.68 \$6,914.61 Implements 1 Acre \$0.54 \$0.54 \$65.85 Interest on Credit Line \$0.54 \$0.54 \$65.85 S10,560 \$12,943.05 S10,500 \$85,168.28 S10,500 \$85,168.28 S10,500 \$85,168.28 S10,500 \$85,168.28 S10,500 \$85,168.28 S10,500 \$85,168.28 S10,500				******	73.55	+ 1,01 0.00
Irrigation Labor Machinery Labor Tractors/Self-Propelled 2.8 Hour \$17.21 \$48.19 \$5,878.94 Other Labor 0.03 Hour \$17.21 \$0.52 \$62.99 Diesel Fuel Tractors/Self-Propelled 21.82 Gallon \$3.60 \$78.55 \$9,583.34 Gasoline Pickup/General Use Equipment 1 Acre \$7.14 \$7.14 \$871.02 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$94.87 \$94.87 \$11,574.24 Tractors/Self-Propelled 1 Acre \$94.87 \$94.87 \$11,574.24 Tractors/Self-Propelled 1 Acre \$94.87 \$94.87 \$11,574.24 Tractors/Self-Propelled 1 Acre \$95.68 \$56.68 \$6,914.61 Implements 1 Acre \$50.54 \$55.68 \$6,914.61 Implements 1 Acre \$10.54 \$24.13 \$2,943.65 \$10.64	•	36.00	Acrelnch	\$8.93	\$321.62	\$39,237,22
Machinery Labor Tractors/Self-Propelled 2.8 Hour \$17.21 \$48.19 \$5,878.94 Other Labor 0.03 Hour \$17.21 \$0.52 \$62.99 Diesel Fuel Tractors/Self-Propelled 21.82 Gallon \$3.60 \$78.55 \$9,583.34 Gasoline Pickup/General Use Equipment 1 Acre \$7.14 \$7.14 \$871.02 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 \$56.68 \$56.68 \$6.914.61 Implements 1 Acre \$50.54 \$0.54 \$65.85 Interest on Credit Line 1 Acre \$0.54 \$0.54 \$65.85 Interest on Credit Line 1 Acre \$0.54 \$0.54 \$65.85 Interest on Credit Line 1 Acre \$0.54 \$0.54 \$65.85 Total Variable Costs 510.056.90 \$1128,941.72 Planned Returns Above Variable Costs \$162.60 Tore Fickup/General Use Equipment 1 Acre \$60.11 \$60.11 \$7.333.33 Tractors/Self-Propelled 1 Acre \$60.11 \$60.11 \$7.333.33 Tractors/Self-Propelled 1 Acre \$60.40 \$7.612.45 Implements 1 Acre \$60.40 \$7.612.45 Implements 1 Acre \$1.21 \$1.21 \$148.15 Equipment Investment Acre \$1.21 \$1.21 \$1.48.15 Equipment Investment Acre \$1.21 \$1.21 \$1.48.15 Equipment Investment \$450.82 Dollars 8.00% \$3.6.07 \$4,400.00 Tractors/Self-Propelled \$484.31 Dollars 8.00% \$3.6.07 \$4,400.00 Tractors/Self-Propelled \$484.31 Dollars 8.00% \$3.6.07 \$4,400.00 Tractors/Self-Propelled \$484.31 Dollars 8.00% \$3.6.07 \$4,400.00 Tractors/Self-Propelled \$460.82 Dollars 8.00% \$3.50 \$7.243 Allocated Establishment Cost 1 Acre \$100.20 \$						
Other Labor Diesel Fuel Tractors/Self-Propelled 21.82 Gallon \$3.60 \$78.55 \$9,583.34 Gasoline						, ,
Diesel Fuel	•	2.8	Hour	\$17.21	\$48.19	\$5,878.94
Diesel Fuel	Other Labor	0.03	Hour	\$17.21	\$0.52	\$62.99
Repairs & Maintenance	Diesel Fuel					
Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$7.14 \$7.14 \$871.02	Tractors/Self-Propelled	21.82	Gallon	\$3.60	\$78.55	\$9,583.34
Repairs & Maintenance						. ,
Pickup/General Use Equipment	Pickup/General Use Equipment	1	Acre	\$7.14	\$7.14	\$871.02
Irrigation Equipment						
Irrigation Equipment	Pickup/General Use Equipment	1	Acre	\$2.69	\$2.69	\$328.50
Implements 1 Acre \$0.54 \$0.54 \$65.85 Interest on Credit Line		1	Acre	\$94.87	\$94.87	\$11,574.24
Interest on Credit Line		1	Acre			
Total Variable Costs S10,56.90 \$128,941.72		1	Acre	\$0.54	\$0.54	
Planned Returns Above Variable Costs: Breakeven Price to Cover Variable Costs	Interest on Credit Line			8.00%	\$24.13	
Planned Returns Above Variable Costs: Breakeven Price to Cover Variable Costs	Total Variable Costs			_	\$1,056.90	
Breakeven Price to Cover Variable Costs \$162.60 Ton Enterprise	Planned Returns Above Variable Costs:			_		
Machinery Depreciation				\$162.60 T	+	400,.00.20
Machinery Depreciation	2. oanoven i neo te cover vanasie com			Ψ.02.00	0	Enterprise
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 \$62.40 \$62.40 \$7,612.45 Implements 1 Acre \$1.21 \$1.21 \$148.15 Equipment Investment Pickup/General Use Equipment \$31.65 Dollars 8.00% \$2.53 \$308.88 Irrigation Equipment \$450.82 Dollars 8.00% \$36.07 \$4,400.00 Tractors/Self-Propelled \$448.31 Dollars 8.00% \$38.75 \$4,726.90 Implements \$7.42 Dollars 8.00% \$0.59 \$72.43 Allocated Establishment Cost 1 Acre \$100.20 \$100.20 \$12,224.89 Rent-Irrigated Crop 1 Acre \$70.00 \$8,540.00 Total Specified Costs \$377.57 \$46,063.64 \$1,434.47 \$175,005.36 Returns Above Specified Costs \$330,10	FIXED COSTS	Quantity	Units	\$/Unit	Total	
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 \$62.40 \$62.40 \$7,612.45 Implements 1 Acre \$1.21 \$1.21 \$148.15 Equipment Investment Pickup/General Use Equipment \$31.65 Dollars 8.00% \$2.53 \$308.88 Irrigation Equipment \$450.82 Dollars 8.00% \$36.07 \$4,400.00 Tractors/Self-Propelled \$484.31 Dollars 8.00% \$38.75 \$4,726.90 Implements \$7.42 Dollars 8.00% \$0.59 \$72.43 Allocated Establishment Cost 1 Acre \$100.20 \$100.20 \$12,224.89 Rent-Irrigated Crop 1 Acre \$70.00 \$377.57 \$46,063.64 Total Specified Costs \$3377.57 \$46,063.64 Returns Above Specified Costs \$330.53 \$39,104.64 Returns Above Specified Costs \$330.53 \$39,104.64 Standard		,				
Irrigation Equipment		1	Acre	\$5.71	\$5.71	\$696.60
Tractors/Self-Propelled		1	Acre	\$60.11	\$60.11	\$7,333,33
Implements		1	Acre	\$62.40	\$62.40	\$7,612.45
Equipment Investment		1	Acre			
Pickup/General Use Equipment \$31.65 Dollars 8.00% \$2.53 \$308.88 Irrigation Equipment \$450.82 Dollars 8.00% \$36.07 \$4,400.00 Tractors/Self-Propelled \$484.31 Dollars 8.00% \$38.75 \$4,726.90 Implements \$7.42 Dollars 8.00% \$0.59 \$72.43 Allocated Establishment Cost 1 Acre \$100.20 \$100.20 \$12,224.89 Rent-Irrigated Crop 1 Acre \$70.00 \$70.00 \$8,540.00 Total Fixed Costs \$377.57 \$46,063.64 Total Specified Costs \$377.57 \$46,063.64 Returns Above Specified Costs \$320.53 \$39,104.64	•					
Irrigation Equipment Tractors/Self-Propelled S484.31 Dollars 8.00% \$36.07 \$4,400.00		\$31.65	Dollars	8.00%	\$2.53	\$308.88
Tractors/Self-Propelled Implements \$484.31 Dollars 8.00% \$38.75 \$4,726.90 Allocated Establishment Cost Rent-Irrigated Crop 1 Acre \$100.20 \$10.20 \$12,224.89 Total Fixed Costs 1 Acre \$70.00 \$70.00 \$8,540.00 Total Specified Costs 2 \$377.57 \$46,063.64 Returns Above Specified Costs \$320.53 \$39,104.64		\$450.82	Dollars	8.00%	\$36.07	\$4,400.00
Allocated Establishment Cost 1 Acre \$100.20 \$100.20 \$12,224.89 Rent-Irrigated Crop 1 Acre \$70.00 \$70.00 \$8,540.00 Total Fixed Costs \$377.57 \$46,063.64 Total Specified Costs \$1,434.47 \$175,005.36 Returns Above Specified Costs \$320.53 \$39,104.64		\$484.31	Dollars	8.00%	\$38.75	\$4,726.90
Rent-Irrigated Crop 1 Acre \$70.00 \$8,540.00 Total Fixed Costs \$377.57 \$46,063.64 Total Specified Costs \$1,434.47 \$175,005.36 Returns Above Specified Costs \$320.53 \$39,104.64	Implements	\$7.42	Dollars	8.00%	\$0.59	\$72.43
Total Fixed Costs \$377.57 \$46,063.64 Total Specified Costs \$1,434.47 \$175,005.36 Returns Above Specified Costs \$320.53 \$39,104.64	Allocated Establishment Cost	1	Acre	\$100.20	\$100.20	\$12,224.89
Total Specified Costs \$1,434.47 \$175,005.36 Returns Above Specified Costs \$320.53 \$39,104.64	Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	
Total Specified Costs \$1,434.47 \$175,005.36 Returns Above Specified Costs \$320.53 \$39,104.64	· ·			_	\$377.57	
Returns Above Specified Costs \$320.53 \$39,104.64				=		
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Breakeven Price to Cover Total Costs \$220.69 Ton	Returns Above Specified Costs				\$320.53	\$39,104.64
	Breakeven Price to Cover Total Costs			\$220.69 T	on	

		Examp	Example Breakeven Prices			
Example	Example	To Cover	To Cover			
Yield	Yield	Variable	Total			
Percent	Ton	Costs	Costs			
75%	4.88	\$216.80	\$294.25			
90%	5.85	\$180.67	\$245.21			
100%	6.50	\$162.60	\$220.69			
110%	7.15	\$147.82	\$200.63			
125%	8.13	\$130.08	\$176.55			

Developed by Jeffrey Wright, 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.