Projections for Planning Purposes Only -- Not to be Used without Updating 2025 Estimated Costs and Returns per Acre Alfalfa Establishment, Center Pivot Irrigated Far West Extension District - 6

Crop Acres 122

National Process						Enterprise
VARIABLE COSTS	REVENUE	Quantity	Units	\$/Unit	Total	Total
VARIABLE COSTS	Total Revenue				\$0.00	\$0.00
Production Costs						
Custom Apply Fertilizer		Quantity	Units	\$/Unit	Total	Total
Fertilizer 1	Production Costs					
Fertilizer 11-52-0	Custom					
Fertilizer 11-52-0	• • • •	1	Acre	\$6.39	\$6.39	\$779.58
Herbicide Glyphosate 2 Pint \$2.13 \$4.25 \$518.50 Seed Alfalfa Seed Innoculated RR 32 Pound \$8.50 \$272.00 \$33,184.00 Irrigation Energy Cost 3.04 Acrelnch \$10.00 \$30.40 \$3,708.80 Irrigation Labor 0.02 Hour \$17.50 \$0.31 \$37.58 Machinery Labor Tractors/Self-Propelled 0.4 Hour \$17.21 \$6.88 \$839.85 Diesel Fuel Tractors/Self-Propelled 3.91 Gallon \$2.80 \$10.95 \$1,335.66 Gasoline Pickup/General Use Equipment 1 Acre \$4.34 \$4.34 \$529.74 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$4.34 \$4.34 \$529.74 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$6.80 \$6.80 \$98.10 Irrigation Equipment 1 Acre \$6.80 \$6.80 \$98.10 Irrigation Equipment 1 Acre \$10.00 \$10.00 \$1,219.34 Implements 1 Acre \$10.00 \$10.00 \$1,219.34 Implements 1 Acre \$12.50 \$12.50 \$1,524.95 Interest on Credit Line \$8.00 \$401.47 \$48,979.47 Total Variable Costs \$401.47 \$48,979.47 Planned Returns Above Variable Costs \$1 Acre \$4.50 \$45.01 \$45.01 \$45.99.47 Freakeven Price to Cover Variable Costs \$1 Acre \$1.50 \$1.50 \$1.50 \$1.50 Machinery Depreciation Pickup/General Use Equipment 1 Acre \$4.50 \$45.01 \$45.01 \$5.491.76 Tractors/Self-Propelled 1 Acre \$11.42 \$1.393.06 Implements 1 Acre \$15.64 \$15.64 \$1.908.68 Equipment Investment Pickup/General Use Equipment \$12.56 Dollars \$8.00 \$7.08 \$863.27 Implements \$66.93 Dollars \$8.00 \$7.08 \$863.27 Implements \$66.93 Dollars \$8.00 \$5.35 \$653.19 Total Fixed Costs \$517.01 \$563,074.99	Fertilizer					
Seed	Fertilizer 11-52-0	38	Pound	\$0.63	\$23.94	\$2,920.68
Seed	Herbicide					
Alfalfa Seed Innoculated RR 32 Pound \$8.50 \$272.00 \$33,184.00 Irrigation Energy Cost 3.04 Acrelnch \$10.00 \$30.40 \$3,708.80 Irrigation Labor 0.02 Hour \$17.50 \$0.31 \$37.58 Machinery Labor Tractors/Self-Propelled 0.4 Hour \$17.21 \$6.88 \$839.85 Diesel Fuel Tractors/Self-Propelled 3.91 Gallon \$2.80 \$10.95 \$1,335.66 Gasoline Pickup/General Use Equipment 1 Acre \$4.34 \$4.34 \$529.74 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.80 \$0.80 \$98.10 Irrigation Equipment 1 Acre \$0.80 \$0.80 \$997.38 Tractors/Self-Propelled 1 Acre \$10.00 \$11,219.94 Interest on Credit Line 1 Acre \$10.00 \$11,219.94 Interest on Credit Line 8.00% \$10.68 \$1,304.72 Total Variable Costs 8.00 \$10.68 \$1,304.72 Total Variable Costs 8.00 \$10.69 \$1,304.72 Fixed Costs 9.00 \$1.00 \$1,000	Glyphosate	2	Pint	\$2.13	\$4.25	\$518.50
Irrigation	Seed					
Energy Cost	Alfalfa Seed Innoculated RR	32	Pound	\$8.50	\$272.00	\$33,184.00
Irrigation Labor	Irrigation					
Machinery Labor	Energy Cost	3.04	AcreInch	\$10.00	\$30.40	\$3,708.80
Tractors/Self-Propelled 0.4 Hour \$17.21 \$6.88 \$839.85 Diesel Fuel Tractors/Self-Propelled 3.91 Gallon \$2.80 \$10.95 \$1,335.66 Gasoline	Irrigation Labor	0.02	Hour	\$17.50	\$0.31	\$37.58
Diesel Fuel	Machinery Labor					
Tractors/Self-Propelled 3.91 Gallon \$2.80 \$10.95 \$1,335.66 Gasoline Pickup/General Use Equipment 1 Acre \$4.34 \$4.34 \$529.74 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.80 \$0.80 \$98.10 Irrigation Equipment 1 Acre \$10.00 \$10.00 \$1,219.94 Repairs & Tractors/Self-Propelled 1 Acre \$10.00 \$10.00 \$1,219.94 Repairs & Tractors/Self-Propelled 1 Acre \$10.00 \$10.00 \$1,219.94 Repairs & Tractors/Self-Propelled 1 Acre \$10.00 \$10.00 \$1,219.94 Repairs & \$10.69 \$1,304.72 \$1,304.72 \$10.69 \$1,304.72 \$10.69 \$1,304.72 \$10.69 \$10.69 \$1,304.72 \$10.69 \$10.69 \$1,304.72 \$10.69 \$10.69 \$1,304.72 \$10.69	Tractors/Self-Propelled	0.4	Hour	\$17.21	\$6.88	\$839.85
Pickup/General Use Equipment 1 Acre \$4.34 \$4.34 \$529.74	Diesel Fuel					
Pickup/General Use Equipment 1 Acre \$4.34 \$4.34 \$529.74	Tractors/Self-Propelled	3.91	Gallon	\$2.80	\$10.95	\$1,335.66
Repairs & Maintenance	Gasoline					
Pickup/General Use Equipment	Pickup/General Use Equipment	1	Acre	\$4.34	\$4.34	\$529.74
Irrigation Equipment	Repairs & Maintenance					
Tractors/Self-Propelled	Pickup/General Use Equipment	1	Acre	\$0.80	\$0.80	\$98.10
Implements 1 Acre \$12.50 \$12.50 \$1,524.95 Interest on Credit Line 8.00% \$10.69 \$1,304.72 Total Variable Costs \$401.47 \$48,979.47 Planned Returns Above Variable Costs \$12.50 \$401.47 \$48,979.47 Breakeven Price to Cover Variable Costs \$12.50 \$401.47 \$48,979.47 Breakeven Price to Cover Variable Costs \$12.50 \$10.69 \$1,304.72 FIXED COSTS \$0.00 \$1.00 \$1.00 Machinery Depreciation Pickup/General Use Equipment 1 Acre \$3.02 \$3.02 \$367.88 Irrigation Equipment 1 Acre \$45.01 \$45.01 \$5,491.76 Tractors/Self-Propelled 1 Acre \$11.42 \$11.42 \$11.393.06 Implements 1 Acre \$15.64 \$15.64 \$15.64 \$1,908.68 Equipment Investment Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$114.995.52 Returns Above Specified Costs \$517.01 \$63,074.99	Irrigation Equipment	1	Acre	\$8.01	\$8.01	\$977.38
Interest on Credit Line	Tractors/Self-Propelled	1	Acre	\$10.00	\$10.00	\$1,219.94
Total Variable Costs \$401.47 \$48,979.47	Implements	1	Acre	\$12.50	\$12.50	\$1,524.95
Planned Returns Above Variable Costs Rreakeven Price to Cover Variable Costs N/a Enterprise	Interest on Credit Line			8.00%	\$10.69	\$1,304.72
Breakeven Price to Cover Variable Costs	Total Variable Costs				\$401.47	\$48,979.47
Breakeven Price to Cover Variable Costs	Planned Returns Above Variable Costs:			_	(\$401.47)	(\$48,979,47)
FIXED COSTS Quantity Units \$/Unit Units Total				n/a	(4.0)	(4.0,0.0)
Machinery Depreciation	Broakeven'i nee to cover variable code			11/4		Enterprise
Machinery Depreciation Pickup/General Use Equipment 1 Acre \$3.02 \$3.02 \$367.88 Irrigation Equipment 1 Acre \$45.01 \$45.01 \$5,491.76 Tractors/Self-Propelled 1 Acre \$11.42 \$11.42 \$13,933.06 Implements 1 Acre \$15.64 \$15.64 \$1,908.68 Equipment Investment Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs (\$517.01) (\$63,074.99)	FIXED COSTS	Quantity	Units	\$/Unit		•
Pickup/General Use Equipment 1 Acre \$3.02 \$3.02 \$367.88 Irrigation Equipment 1 Acre \$45.01 \$45.01 \$5,491.76 Tractors/Self-Propelled 1 Acre \$11.42 \$11.42 \$13.93.06 Implements 1 Acre \$15.64 \$15.64 \$15.64 \$19.908.68 Equipment Investment Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99				7		
Irrigation Equipment 1 Acre \$45.01 \$45.01 \$5,491.76 Tractors/Self-Propelled 1 Acre \$11.42 \$11.42 \$13.393.06 Implements 1 Acre \$15.64 \$15.64 \$15.64 \$1908.68 Equipment Investment Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 \$17.01 \$63,074.99 \$1.01 \$63,074.99 \$1.01		1	Acre	\$3.02	\$3.02	\$367.88
Tractors/Self-Propelled 1 Acre \$11.42 \$11.42 \$1,393.06 Implements 1 Acre \$15.64 \$15.64 \$1998.68 Equipment Investment Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs (\$517.01) (\$63,074.99)		1	Acre			
Implements	0 ' '					
Equipment Investment Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs (\$517.01) \$63,074.99	·					
Pickup/General Use Equipment \$12.56 Dollars 8.00% \$1.01 \$122.63 Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs (\$517.01) \$63,074.99		•	71010	Ψ10.01	Ψ10.01	Ψ1,000.00
Irrigation Equipment \$337.61 Dollars 8.00% \$27.01 \$3,295.06 Tractors/Self-Propelled \$88.45 Dollars 8.00% \$7.08 \$863.27 Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs \$(\$517.01) \$(\$63,074.99)		\$12.56	Dollars	8 00%	\$1.01	\$122.63
Tractors/Self-Propelled Implements \$88.45 \$00llars \$8.00% \$7.08 \$863.27 \$8.00% \$5.35 \$653.19 \$115.54 \$11,095.52 \$101 \$115.54 \$11,095.52 \$101 \$10						
Implements \$66.93 Dollars 8.00% \$5.35 \$653.19 Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs (\$517.01) (\$63,074.99)	•					
Total Fixed Costs \$115.54 \$14,095.52 Total Specified Costs \$517.01 \$63,074.99 Returns Above Specified Costs (\$517.01) (\$63,074.99)						
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Returns Above Specified Costs (\$517.01) (\$63,074.99)				_		
	Total Specified Costs			_	Τυ.\ισφ	\$03,U/4.99
Breakeven Price to Cover Total Costs n/a	Returns Above Specified Costs				(\$517.01)	(\$63,074.99)
	Breakeven Price to Cover Total Costs			n/a		

		Examp	Example Breakeven Prices		
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent		Costs	Costs		
75%	0.00	\$0.00	\$0.00		
90%	0.00	\$0.00	\$0.00		
100%	0.00	\$0.00	\$0.00		
110%	0.00	\$0.00	\$0.00		
125%	0.00	\$0.00	\$0.00		

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.