2024 Estimated Costs and Returns per Acre Sorghum Sudangrass, Sprinkler Irrigated (NG), Grazing Panhandle Extension District - 1

Crop Acres 122

REVENUE	Crop Acres	122				
Grazing - Sorghum	DEVENUE			*"		Enterprise
VARIABLE COSTS						
NARIABLE COSTS	<u> </u>	800.00	Pouna	\$0.90		
VARIABLE COSTS	Total Revenue				\$720.00	
Froduction Costs	VARIABLE COSTS	Quantity	Unite	\$/Llnit	Total	
Fertilizer Fertilizer N) - ANH3		Quantity	Office	φ/O111t	TOtal	TOtal
Fertilizer (N) - ANH3						
Pertilizer (P) - Liquid		150	Pound	\$0.43	\$64.05	\$7 814 10
Custom Fertilizer Application - ANH3						•
Fertilizer Application - ANH3	·	00	round	Ψ0.00	Ψ1υ	Ψ0,000.20
Miscellaneous Crop Insurance Sorghum Sudan Irrigatec 1 Acre \$25.00 \$25.00 \$3,050.00 Herbicide Herbicide and Apply Sorghum Sudan 1 Acre \$30.43 \$30.43 \$3,712.46 Seed Seed - Sorghum Sudangrass 22 Pound \$0.90 \$19.80 \$2,415.60 Irrigation		1	Acre	\$18.00	\$18.00	\$2,196,00
Herbicide Herbicide and Apply Sorghum Sudan 1 Acre \$30.43 \$30.43 \$3,712.46 Seed Seed - Sorghum Sudangrass 22 Pound \$0.90 \$19.80 \$2,415.60 Irrigation		_		7.0.00	******	+=,
Herbicide Herbicide and Apply Sorghum Sudan 1 Acre \$30.43 \$30.43 \$3,712.46 Seed Seed - Sorghum Sudangrass 22 Pound \$0.90 \$19.80 \$2,415.60 Irrigation		1	Acre	\$25.00	\$25.00	\$3,050.00
Seed Seed - Sorghum Sudangrass 22 Pound \$0.90 \$19.80 \$2,415.60 Irrigation Energy Cost 9.00 AcreInch \$3.80 \$34.20 \$4,172.40 Irrigation Labor 0.58 Hour \$17.94 \$10.33 \$1,260.68 Machinery Labor 0.29 Hour \$17.65 \$4.41 \$538.33 Other Labor 0.29 Hour \$1.62 \$4.92 \$4.42 \$60.00 Breaker 1.2 Acre \$4.92 \$4.92 \$60.00 Repairs & Maintenance 2.251 \$2.51 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 <td>, ,</td> <td></td> <td></td> <td></td> <td>·</td> <td></td>	, ,				·	
Seed Seed - Sorghum Sudangrass 22 Pound \$0.90 \$19.80 \$2,415.60 Irrigation Energy Cost 9.00 AcreInch \$3.80 \$34.20 \$4,172.40 Irrigation Labor 0.58 Hour \$17.94 \$10.33 \$1,260.68 Machinery Labor 0.29 Hour \$17.65 \$4.41 \$538.33 Other Labor 0.29 Hour \$1.62 \$4.92 \$4.42 \$60.00 Breaker 1.2 Acre \$4.92 \$4.92 \$60.00 Repairs & Maintenance 2.251 \$2.51 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 \$30.00 <td>Herbicide and Apply Sorghum Sudan</td> <td>1</td> <td>Acre</td> <td>\$30.43</td> <td>\$30.43</td> <td>\$3,712.46</td>	Herbicide and Apply Sorghum Sudan	1	Acre	\$30.43	\$30.43	\$3,712.46
Irrigation						
Irrigation	Seed - Sorghum Sudangrass	22	Pound	\$0.90	\$19.80	\$2,415.60
Irrigation Labor Machinery Labor Tractors/Self-Propelled 0.25 Hour \$17.65 \$4.41 \$538.33 Other Labor 0.29 Hour \$17.65 \$5.12 \$624.46 Diesel Fuel Tractors/Self-Propelled 0.25 Hour \$17.65 \$5.12 \$624.46 Diesel Fuel Tractors/Self-Propelled 1.53 Gallon \$3.10 \$4.74 \$578.65 Gasoline Fockup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Fickup/General Use Equipment 1 Acre \$3.375 \$4.117.50 Tractors/Self-Propelled 1 Acre \$3.375 \$33.75 \$4.117.50 Tractors/Self-Propelled 1 Acre \$3.03 \$3.03 \$369.51 Implements 1 Acre \$5.57 \$5.57 \$680.02 Interest on Credit Line 9.00% \$10.85 \$1.324.15 \$						
Machinery Labor	Energy Cost	9.00	AcreInch	\$3.80	\$34.20	\$4,172.40
Tractors/Self-Propelled 0.25 Hour \$17.65 \$4.41 \$538.33 Other Labor 0.29 Hour \$17.65 \$5.12 \$624.46 Diesel Fuel Tractors/Self-Propelled 1.53 Gallon \$3.10 \$4.74 \$578.65 Gasoline Pickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$32.51 \$306.00 Irrigation Equipment 1 Acre \$33.75 \$33.75 \$4.117.50 Tractors/Self-Propelled 1 Acre \$3.03 \$3.03 \$369.51 Implements 1 Acre \$5.57 \$5.57 \$680.02 Interest on Credit Line 2 \$0.00 \$11.85 \$1,324.15 Total Variable Costs 399.18 \$48,699.95 \$399.18 \$48,699.95 Planed Returns Above Variable Costs \$0.40 \$0.40 \$0.00 \$0.00 \$1.64 \$1.64 \$1.64 \$1.64 \$1.64	Irrigation Labor	0.58	Hour	\$17.94	\$10.33	\$1,260.68
Other Labor 0.29 Hour \$17.65 \$5.12 \$624.46 Diesel Fuel Tractors/Self-Propelled 1.53 Gallon \$3.10 \$4.74 \$578.65 Gasoline Pickup/General Use Equipment Pickup/General Use Equipment Inguipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment Irrigation Equipment 1 Acre \$33.75 \$33.75 \$4,117.50 Tractors/Self-Propelled 1 Acre \$3.03 \$3.03 \$369.51 Implements Interest on Credit Line 2 \$5.57 \$5.57 \$5.57 \$680.02 Interest on Credit Line 3 \$0.00 \$10.85 \$1,324.15 Total Variable Costs \$0.00 \$10.85 \$1,324.15 Total Variable Costs \$0.00 \$10.05 \$1,324.15 Total Variable Costs \$0.00 \$10.05 \$1,324.15 Total Variable Costs \$0.00 \$0.00 \$10.05 \$1,262.15 Planned Returns Above Variable Costs \$0.00 \$0.00 \$10.05 \$1,262.15 \$1,262.15 <td>Machinery Labor</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Machinery Labor					
Diesel Fuel Tractors/Self-Propelled 1.53 Gallon \$3.10 \$4.74 \$578.65 Gasoline Pickup/General Use Equipment Repairs & Maintenance Pickup/General Use Equipment In Acre 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment In Acre 1 Acre \$2.51 \$2.51 \$306.00 Irrigation Equipment In Pickup/General Use Equipment In Pickup/Genera	Tractors/Self-Propelled	0.25	Hour	\$17.65	\$4.41	\$538.33
Tractors/Self-Propelled 1.53 Gallon \$3.10 \$4.74 \$578.65 Gasoline Pickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$2.51 \$306.00 Pickup/General Use Equipment 1 Acre \$33.75 \$33.75 \$4117.50 Tractors/Self-Propelled 1 Acre \$5.57 \$5.57 \$680.02 Interest on Credit Line 9.00% \$10.85 \$1,324.15 Total Variable Costs 9.00% \$10.85 \$1,324.15 Total Variable Costs \$320.82 \$39,140.05 \$48,699.95 Breakeven Price to Cover Variable Costs \$0.40 Pound Pound Enterprise FIXED COSTS Quantity Units \$/Unit Total Total Total Machinery Depreciation 1 Acre \$2.63 \$2.63 \$321.30 Irrigation Equipment 1 Acre \$3.08 \$33.75 8321.30	Other Labor	0.29	Hour	\$17.65	\$5.12	\$624.46
Gasoline	Diesel Fuel					
Pickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance	Tractors/Self-Propelled	1.53	Gallon	\$3.10	\$4.74	\$578.65
Repairs & Maintenance	Gasoline					
Pickup/General Use Equipment	Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00
Irrigation Equipment	•					
Tractors/Self-Propelled 1 Acre \$3.03 \$3.03 \$369.51 Implements 1 Acre \$5.57 \$5.57 \$680.02 Interest on Credit Line 9.00% \$10.85 \$1,324.15 Total Variable Costs \$320.82 \$39,140.05 Planned Returns Above Variable Costs: \$399.18 \$48,699.95 Breakeven Price to Cover Variable Costs \$0.40 Pound FlixED COSTS Quantity Units \$/Unit Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$2.63 \$2.63 \$321.30 Irrigation Equipment 1 Acre \$30.74 \$30.74 \$3,750.00 Tractors/Self-Propelled 1 Acre \$3.08 \$3.08 \$375.78 Implements 1 Acre \$6.93 \$6.93 \$845.49 Equipment Investment Fickup/General Use Equipment \$18.18 Dollars 9.00% \$4.64 \$199.67 Irrigation Equipment \$18.18 Dollars 9.00% \$4.050 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74			Acre		·	•
Implements		1	Acre	\$33.75	\$33.75	•
Interest on Credit Line				•	•	
Total Variable Costs S320.82 \$39,140.05		1	Acre		·	
Planned Returns Above Variable Costs \$399.18 \$48,699.95				9.00%		
Breakeven Price to Cover Variable Costs \$0.40 Pound Enterprise	Total Variable Costs				\$320.82	\$39,140.05
FIXED COSTS Quantity Units \$/Unit Total Total	Planned Returns Above Variable Costs:			•	\$399.18	\$48,699.95
Nachinery Depreciation	Breakeven Price to Cover Variable Costs			\$0.40	Pound	
Machinery Depreciation Pickup/General Use Equipment 1 Acre \$2.63 \$2.63 \$321.30 Irrigation Equipment 1 Acre \$30.74 \$30.74 \$3,750.00 Tractors/Self-Propelled 1 Acre \$3.08 \$3.08 \$375.78 Implements 1 Acre \$6.93 \$6.93 \$845.49 Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$450.00 Dollars 9.00% \$40.50 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$183.83 \$22,427.74						Enterprise
Pickup/General Use Equipment 1 Acre \$2.63 \$321.30 Irrigation Equipment 1 Acre \$30.74 \$30.74 \$3,750.00 Tractors/Self-Propelled 1 Acre \$3.08 \$3.75.78 Implements 1 Acre \$6.93 \$6.93 \$845.49 Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$450.00 Dollars 9.00% \$40.50 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Specified Costs \$215.35 \$26,272.22 Returns Above Specified Costs \$183.83 \$22,427.74		Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment 1 Acre \$30.74 \$30.74 \$3,750.00 Tractors/Self-Propelled 1 Acre \$3.08 \$3.08 \$375.78 Implements 1 Acre \$6.93 \$6.93 \$845.49 Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$450.00 Dollars 9.00% \$40.50 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$183.83 \$22,427.74						
Tractors/Self-Propelled 1 Acre \$3.08 \$3.08 \$375.78 Implements 1 Acre \$6.93 \$6.93 \$845.49 Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$450.00 Dollars 9.00% \$40.50 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$183.83 \$22,427.74 Returns Above Specified Costs						
Implements	•	· ·		•	•	
Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$450.00 Dollars 9.00% \$40.50 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74	the control of the co					· ·
Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$450.00 Dollars 9.00% \$40.50 \$4,941.00 Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74		1	Acre	\$6.93	\$6.93	\$845.49
Irrigation Equipment						4
Tractors/Self-Propelled \$24.00 Dollars 9.00% \$2.16 \$263.47 Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 \$215.35 \$26,272.22 Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74						
Implements \$29.65 Dollars 9.00% \$2.67 \$325.51 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 \$215.35 \$26,272.22 Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74						
Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74	·					
Total Fixed Costs \$215.35 \$26,272.22 Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74	•					
Total Specified Costs \$536.17 \$65,412.26 Returns Above Specified Costs \$183.83 \$22,427.74	_	1	Acre	\$125.00		
Returns Above Specified Costs \$183.83 \$22,427.74						
	Total Specified Costs				\$536.17	\$65,412.26
	But an Alexan Countried Countries			•	#4.00.00	#00 107 7 i
Breakeven Price to Cover Total Costs \$0.67 Pound	Returns Above Specified Costs				\$183.83	\$22,427.74
	Breakeven Price to Cover Total Costs			\$0.67	Pound	

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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.