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

Crop Acres 122

REVENUE Quantity Units Sed Sorghum - Female Only 45.00 CWT \$51.06 \$51.08.70 \$132.089.40 Total Revenue Total Total Total Emprise Total Emprise Total Total Emprise Total Total Emprise Total Production Costs Herbicide and Apply Sorghum Irrig. 1 Acre \$57.75 \$57.75 \$7,045.50 Seed Seed - Sorghum 0 Pound \$3.20 \$50.00 \$0.00 Fertilizer Fertilizer (N) - ANH3 665 Pound \$0.83 \$34.76 \$53.808.11 Fertilizer (P) - Liquid 60 Pound \$0.88 \$34.10 \$53.808.20 Custom Fertilizer Application - ANH3 1 Acre \$18.00 \$31.60 \$53.808.20 Fertilizer Application - ANH3 1 Acre \$18.00 \$30.80 \$54.00 Fertilizer Application - ANH3 1 Acre \$18.00 \$30.80 \$54.00 Miscellaneous Crop Insurance Sorghum Irrigated Insecticide Head Worm Insecticide Head Worm Insecticide Labor						Enterprise
Total Revenue						
VARIABLE COSTS	· · · · · · · · · · · · · · · · · · ·	45.00	CWT	\$24.06		
VARIABLE COSTS Quantity Units SUnit Total Total	Total Revenue				\$1,082.70	
Production Costs Herbicide and Apply Sorghum Irrig. 1 Acre \$57.75 \$57.75 \$7,045.50 Seed Seed Sorghum 0 Pound \$3.20 \$0.00 \$0.00 Fortilizer (N) - ANH3 65 Pound \$0.43 \$27.76 \$3,386.11 Fertilizer (P) - Liquid 60 Pound \$0.58 \$34.41 0 \$5.380.00 \$2.196.00 Seed Sorghum Fertilizer (N) - Liquid 60 Pound \$0.58 \$34.46 0 \$5.380.00 \$3.20 \$2.196.00 Pound \$0.58 \$34.68 \$42.30.96 Custom Fertilizer (A) - Liquid 60 Pound \$0.58 \$34.68 \$42.30.96 Custom Fertilizer Application - ANH3 1 Acre \$18.00 \$31.00 \$5.490.00 Harvest and Haul - Sorghum 45 CWT \$1.00 \$45.00 \$5.490.00 Miscellaneous Crop Insurance Sorghum - Irrigated 1 Acre \$30.00 \$30.00 \$3.660.00 Insecticide Insecticide Head Worm 0.67 Application \$21.00 \$21.00 \$2.562.00 Irrigation Energy Cost 1 Application \$21.00 \$21.00 \$2.562.00 Irrigation Energy Cost 1 Application \$21.00 \$21.00 \$2.562.00 Irrigation Labor 1.02 Hour \$17.65 \$3.28 \$2.241.21 Machinery Labor Tractors/Self-Propelled 0.16 Hour \$17.65 \$3.35 \$3493.13 Diesel Fleud Tractors/Self-Propelled 1 Acre \$4.92 \$4.92 \$600.00 \$4.60 \$6.00 \$7.40 \$6.00	VARIABLE COSTS	0	l laita	Φ/I I : ±	Tatal	•
Herbicide		Quantity	Units	\$/Unit	rotar	lotai
Herbicide and Apply Sorghum Irrig. 1 Acre \$57.75 \$57.75 \$7,045.50						
Seed Seed - Sorghum 0 Pound \$3.20 \$0.00 \$0.00		1	Acre	\$57.75	\$57.75	\$7,045,50
Seed - Sorghum			71010	Ψ07.70	ψογ.,, σ	Ψ7,010.00
Fertilizer (N) - ANH3		0	Pound	\$3.20	\$0.00	\$0.00
Fertilizer (P) - Liquid				•		
Fertilizer (N) - Liquid	Fertilizer (N) - ANH3	65	Pound	\$0.43	\$27.76	\$3,386.11
Custom	Fertilizer (P) - Liquid	50	Pound	\$0.88	\$44.10	\$5,380.20
Fertilizer Application - ANH3	Fertilizer (N) - Liquid	60	Pound	\$0.58	\$34.68	\$4,230.96
Harvest and Haul - Sorghum 45 CWT \$1.00 \$45.00 \$5,490.00 Miscellaneous Crop Insurance Sorghum - Irrigated 1 Acre \$30.00 \$30.00 \$3,660.00 Insecticide Head Worm 0.67 Application \$27.50 \$18.43 \$2,247.85 Insecticide Sugar Cane Aphid 1 Application \$21.00 \$21.00 \$2,562.00 Irrigation Energy Cost 16.00 Acrelnch \$3.80 \$60.80 \$7,417.60 Irrigation Labor 1.02 Hour \$17.94 \$18.37 \$2,241.21 Machinery Labor Tractors/Self-Propelled 0.16 Hour \$17.65 \$2.82 \$344.53 Other Labor 0.19 Hour \$17.65 \$2.82 \$344.53 Other Labor 1.09 Gallon \$3.10 \$3.38 \$412.24 Gasoline Fickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Fickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Irrigation Equipment 1 Acre \$6.00 \$60.00 \$7,320.00 Irractors/Self-Propelled 1 Acre \$6.25 \$6.25 \$762.61 Interest to Credit Line 1 Acre \$6.25 \$6.25 \$762.61 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.25 \$6.25 \$762.61 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$6.00 \$60.00 \$73,986.91 Interest to Credit Line 1 Acre \$70.90 \$70.90 \$70.90 Interest to Credit Line 1 Acre \$70.90						
Miscellaneous	· ·				· ·	
Crop Insurance Sorghum - Irrigated Insecticide		45	CWT	\$1.00	\$45.00	\$5,490.00
Insecticide		_		***	***	** ***
Insecticide Head Worm 0.67 Application \$27.50 \$18.43 \$2,247.85 Insecticide Sugar Cane Aphid 1 Application \$21.00 \$21.00 \$25.00		1	Acre	\$30.00	\$30.00	\$3,660.00
Insecticide Sugar Cane Aphid		0.07	A	¢07.50	#10.40	#0.047.0 F
Irrigation					· ·	
Energy Cost 16.00 Acrelach \$3.80 \$60.80 \$7,417.60 Irrigation Labor Tractors/Self-Propelled 0.16 Hour \$17.95 \$2.82 \$344.53 Other Labor Tractors/Self-Propelled 0.16 Hour \$17.65 \$2.82 \$344.53 Other Labor 0.19 Hour \$17.65 \$3.35 \$340.13 Diesel Fuel Tractors/Self-Propelled 1.09 Gallon \$3.10 \$3.38 \$412.24 Gasoline Pickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$60.00 \$7.320.00 Irrigation Equipment 1 Acre \$60.00 \$60.00 \$7.320.00 Irrigation Equipment 1 Acre \$60.00 \$60.00 \$7.320.00 Acre \$6.25 \$6.25 \$62.55 \$311.52 Implements 1 Acre \$6.25	· ·		Application	\$21.00	\$21.00	\$2,562.00
Irrigation Labor		16.00	Acrolach	¢3 80	\$60.80	\$7.417.60
Machinery Labor				•	· ·	
Tractors/Self-Propelled		1.02	Hour	Ψ17.54	Ψ10.07	Ψ2,2+1.21
Other Labor O.19 Hour \$17.65 \$3.35 \$409.13 Diesel Fuel Tractors/Self-Propelled Tractors/Self-Propelled O.9 Gallon \$3.10 \$3.38 \$412.24 Gasoline		0.16	Hour	\$17.65	\$2.82	\$344.53
Diesel Fuel	•				·	·
Pickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$60.00 \$60.00 \$7,320.00 Irrigation Equipment 1 Acre \$60.00 \$60.00 \$7,320.00 Tractors/Self-Propelled 1 Acre \$6.25 \$2.55 \$311.52 Implements 1 Acre \$6.25 \$2.55 \$311.52 Implements 1 Acre \$6.25 \$6.25 \$762.61 Interest on Credit Line 9,00% \$14.73 \$1,797.04 Total Variable Costs \$10.59 \$606.30 \$73,968.91 Brakeven Price to Cover Variable Costs \$10.59 \$CWT Enterprise Total Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$2.63 \$2.63 \$321.30 Irrigation Equipment 1 Acre \$40.42 \$40.42 \$49.31.25 Tractors/Self-Propelled 1 Acre \$40.42 \$40.42 \$49.31.25 Equipment Investment 1 Acre \$7.72 \$7.72 \$941.49 Equipment Investment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$18.18 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$1.80 \$1.550.00 Total Fixed Costs \$708.08 \$86,386.17 Returns Above Specified Costs \$374.62 \$45,703.23						,
Pickup/General Use Equipment 1 Acre \$4.92 \$4.92 \$600.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$60.00 \$60.00 \$7,320.00 Irrigation Equipment 1 Acre \$60.00 \$60.00 \$7,320.00 Tractors/Self-Propelled 1 Acre \$6.25 \$2.55 \$311.52 Implements 1 Acre \$6.25 \$6.25 \$762.61 Interest on Credit Line 9,00% \$14.73 \$51,797.04 Total Variable Costs \$10.59 \$606.30 \$73,968.91 Planned Returns Above Variable Costs \$10.59 \$CWT FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$2.63 \$2.63 \$321.30 Irrigation Equipment 1 Acre \$40.42 \$40.42 \$49.31.25 Tractors/Self-Propelled 1 Acre \$40.42 \$40.42 \$49.31.25 Equipment Investment Acre \$7.72 \$77.72 \$941.49 Equipment Investment \$18.18 Dollars 9.00% \$1.64 \$199.67 Fickup/General Use Equipment \$18.18 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$1.80 \$1.550.00 Total Fixed Costs \$708.08 \$86,386.17 Returns Above Specified Costs \$374.62 \$45,703.23	Tractors/Self-Propelled	1.09	Gallon	\$3.10	\$3.38	\$412.24
Repairs & Maintenance						
Pickup/General Use Equipment	Pickup/General Use Equipment	1	Acre	\$4.92	\$4.92	\$600.00
Irrigation Equipment	Repairs & Maintenance					
Tractors/Self-Propelled	·	-		•	·	·
Implements 1 Acre \$6.25 \$6.25 \$762.61 Interest on Credit Line 9.00% \$14.73 \$1,797.04 Total Variable Costs \$606.30 \$73,968.91 Planned Returns Above Variable Costs \$10.59 CWT Enterprise FIXED COSTS Quantity Units \$10.59 CWT Enterprise FIXED COSTS 40.42 \$40.4					· ·	
Interest on Credit Line	· · · · · · · · · · · · · · · · · · ·				·	·
Total Variable Costs S476.40 \$58,120.49	•	1	Acre	•	·	
Planned Returns Above Variable Costs \$10.59 CWT Enterprise Ent				9.00%		
Street				=		
FIXED COSTS Quantity Units \$/Unit Total Total				440.50	•	\$73,968.91
PIXED COSTS Quantity Units \$/Unit Total Total	Breakeven Price to Cover Variable Costs			\$10.59	CVVI	Forte manife a
Machinery Depreciation Pickup/General Use Equipment 1 Acre \$2.63 \$321.30 Irrigation Equipment 1 Acre \$40.42 \$40.42 \$4,931.25 Tractors/Self-Propelled 1 Acre \$2.60 \$2.60 \$316.78 Implements 1 Acre \$7.72 \$7.72 \$941.49 Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$521.00 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$2.97 \$362.47 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$231.69 \$28,265.69 Total Specified Costs \$374.62 \$45,703.23	EIVED COSTS	Ougntitu	l leite	Ф/I In:+	Total	•
Pickup/General Use Equipment 1 Acre \$2.63 \$321.30 Irrigation Equipment 1 Acre \$40.42 \$40.42 \$4,931.25 Tractors/Self-Propelled 1 Acre \$2.60 \$2.60 \$316.78 Implements 1 Acre \$7.72 \$7.72 \$941.49 Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$521.00 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$2.97 \$362.47 Cash Rent - Sorghum f 1 Acre \$125.00 \$15,250.00 Total Fixed Costs \$231.69 \$28,265.69 Total Specified Costs \$374.62 \$45,703.23		Quantity	Offics	∌/OIIIt	TOLAT	Total
Irrigation Equipment		1	Δcre	\$2.63	\$2.63	\$321.30
Tractors/Self-Propelled 1 Acre \$2.60 \$2.60 \$316.78 Implements 1 Acre \$7.72 \$7.72 \$941.49 Equipment Investment Pickup/General Use Equipment Irrigation Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment Irrigation Equipment Irrigation Equipment \$521.00 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled Implements \$33.01 Dollars 9.00% \$1.82 \$222.11 Implements Implements \$33.01 Dollars 9.00% \$2.97 \$362.47 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs Total Specified Costs \$374.62 \$45,703.23 Returns Above Specified Costs				•	·	
Implements					· ·	
Equipment Investment Pickup/General Use Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 Irrigation Equipment \$521.00 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$2.97 \$362.47 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$231.69 \$28,265.69 Total Specified Costs \$708.08 \$86,386.17 Returns Above Specified Costs \$374.62 \$45,703.23	· · · · · · · · · · · · · · · · · · ·	-		\$7.72		+
Pickup/General Use Equipment Irrigation Equipment \$18.18 Dollars 9.00% \$1.64 \$199.67 1 Tractors/Self-Propelled \$521.00 Dollars 9.00% \$46.89 \$5,720.63 1 Implements \$33.01 Dollars 9.00% \$1.82 \$222.11 1 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$231.69 \$28,265.69 \$231.69 \$28,265.69 Total Specified Costs \$708.08 \$86,386.17 Returns Above Specified Costs	· · · · · · · · · · · · · · · · · · ·	-		+	****	*******
Irrigation Equipment \$521.00 Dollars 9.00% \$46.89 \$5,720.63 Tractors/Self-Propelled \$20.23 Dollars 9.00% \$1.82 \$222.11 Implements \$33.01 Dollars 9.00% \$2.97 \$362.47 Cash Rent - Sorghum f 1 Acre \$125.00 \$125.00 \$15,250.00 Total Fixed Costs \$231.69 \$28,265.69 Total Specified Costs \$708.08 \$86,386.17 Returns Above Specified Costs \$374.62 \$45,703.23	·	\$18.18	Dollars	9.00%	\$1.64	\$199.67
Implements		\$521.00	Dollars		\$46.89	
Implements	Tractors/Self-Propelled	\$20.23	Dollars	9.00%	\$1.82	\$222.11
Total Fixed Costs \$231.69 \$28,265.69 Total Specified Costs \$708.08 \$86,386.17 Returns Above Specified Costs \$374.62 \$45,703.23	Implements	\$33.01	Dollars	9.00%	\$2.97	\$362.47
Total Specified Costs \$708.08 \$86,386.17 Returns Above Specified Costs \$374.62 \$45,703.23	Cash Rent - Sorghum f	1	Acre	\$125.00	\$125.00	\$15,250.00
Returns Above Specified Costs \$374.62 \$45,703.23	Total Fixed Costs			_	\$231.69	\$28,265.69
	Total Specified Costs			=	\$708.08	\$86,386.17
				=		
Breakeven Price to Cover Total Costs \$15.74 CWT	Returns Above Specified Costs				\$374.62	\$45,703.23
	Breakeven Price to Cover Total Costs			\$15.74	CWT	

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.