## Projections for Planning Purposes Only -- Not to be Used without Updating 2019 Estimated Costs and Returns per Acre No-Till Dryland Sorghum, Follow Cotton West Central Extension District - 7

Crop Acres	400
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Revenue	Crop Acres	400				
Sorghum	DEVENUE	Quantity	Linito	¢/Lloit	Total	
VARIABLE COSTS						
VARIABLE COSTS	•	22.00	CVVI	Ψ1.02		
VARIABLE COSTS	Total Nevertue				φ134.44	
Production Costs	VARIABLE COSTS	Quantity	Units	\$/LInit	Total	
Herbicide		Quartity	00	φ, σ		
Husky   14.5   Ounce   \$0.88   \$12.80   \$5.120.31   Glyphosate   32   Ounce   \$0.13   \$4.07   \$1.629.44   Afrazine   1   Quart   \$3.13   \$3.13   \$1.250.00   Seed   Grain Sorghum - Treated   5   Pounds   \$3.80   \$19.00   \$7,600.00   Fertilizer   Nitrogen Dry-Urea   30   Pounds   \$0.48   \$14.51   \$5,803.20   Phos (11-52-0 DRY MAT)   20   Pounds   \$0.55   \$11.00   \$4,400.00   Custom Harvest Sorghum   1   Each   \$0.25   \$0.25   \$100.00   Custom Harvest Sorghum   1   Acre   \$25.00   \$25.00   \$100.000   Custom Harvest Sorghum   1   Acre   \$25.00   \$25.00   \$1,000.00   Custom Harvest Sorghum   1   Acre   \$25.00   \$25.00   \$1,000.00   Custom Harvest Sorghum   1   Acre   \$4.12   \$4.12   \$1,648.00   Insecticide   Sivanto   \$5.5   Ounce   \$2.54   \$13.97   \$5,588.00   Machinery Labor   Tractors/Self-Propelled   0.5   Hour   \$12.00   \$6.00   \$2,400.00   Diesel Fuel   F						
Glyphosate   32		14.5	Ounce	\$0.88	\$12.80	\$5.120.31
Arrazine	•		Ounce			
Seed   Grain Sorghum - Treated   5   Pounds   \$3.80   \$19.00   \$7,600.00		1	Quart	\$3.13	\$3.13	
Fertilizer   Nitrogen Dry-Urea   30   Pounds   \$0.48   \$14.51   \$5,803.20   Phos (11-52-0 DRY MAT)   20   Pounds   \$0.55   \$11.00   \$4,400.00   \$0.55   \$11.00   \$4,400.00   \$0.55   \$11.00   \$4,400.00   \$0.55   \$11.00   \$4,400.00   \$0.55   \$11.00   \$1,000.00   \$0.55   \$10.00   \$10,000.00	Seed					
Nitrogen Dry-Urea   30   Pounds   \$0.48   \$14.51   \$5,803.20   Phos (11-52-0 DRY MAT)   20   Pounds   \$0.55   \$11.00   \$4,400.00   \$4,40	Grain Sorghum - Treated	5	Pounds	\$3.80	\$19.00	\$7,600.00
Phos (11-52-0 DRY MAT)	Fertilizer					
Custom	Nitrogen Dry-Urea	30	Pounds	\$0.48	\$14.51	\$5,803.20
Soil Test-Dryland	Phos (11-52-0 DRY MAT)	20	Pounds	\$0.55	\$11.00	\$4,400.00
Custom Harvest Sorghum Custom Haul Sorghum         1 Acre 39.3 Bushels         \$25.00 \$25.00 \$10,000.00 \$4,244.40           Miscellaneous GS RP 70%, Ent         1 Acre SNanto         \$4.12 \$4.12 \$1,648.00           Insecticide Sivanto         5.5 Ounce         \$2.54 \$13.97 \$5,588.00           Machinery Labor Tractors/Self-Propelled         0.5 Hour \$12.00 \$6.00 \$2,400.00           Diesel Fuel Tractors/Self-Propelled         3.03 Gallon \$2.60 \$7.88 \$3,151.20           Gasoline Pickup/General Use Equipment         1 Acre \$1.82 \$1.82 \$727.92           Repairs & Maintenance Pickup/General Use Equipment         1 Acre \$0.82 \$0.82 \$328.50           Tractors/Self-Propelled         1 Acre \$6.28 \$6.28 \$2,512.96           Implements         1 Acre \$6.28 \$6.28 \$2,512.96           Interest on Credit Line         \$150.80 \$50.320.79           Planned Returns Above Variable Costs         \$6.85 CWT         \$150.80 \$50.320.79           FIXED COSTS         Quantity         Units         \$/Unit         Total         Enterprise Total           Machinery Depreciation Pickup/General Use Equipment         1 Acre \$8.13 \$8.13 \$8.13         \$3.51.90         \$66.60         \$3.51.90           Machinery Depreciation Pickup/General Use Equipment         1 Acre \$8.13 \$8.13 \$8.13         \$3.51.90         \$66.60         \$3.74         \$3.51.90           Implements         1 Acre \$8.70         <	Custom					
Custom Haul Sorghum   39.3   Bushels   \$0.27   \$10.61   \$4,244.40     Miscellaneous   GS RP 70%, Ent   1   Acre   \$4.12   \$4.12   \$1,648.00     Insecticide   Sivanto   5.5   Ounce   \$2.54   \$13.97   \$5,588.00     Machinery Labor   Tractors/Self-Propelled   0.5   Hour   \$12.00   \$6.00   \$2,400.00     Diesel Fuel   Tractors/Self-Propelled   3.03   Gallon   \$2.60   \$7.88   \$3,151.20     Gasoline   Pickup/General Use Equipment   1   Acre   \$1.82   \$1.82   \$727.92     Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$6.28   \$6.28   \$2,512.96     Implements   1   Acre   \$6.28   \$6.28   \$2,512.96     Implements   1   Acre   \$6.28   \$6.28   \$2,512.96     Implements   1   Acre   \$6.00%   \$3.19   \$1,274.15     Total Variable Costs   \$6.85   CWT     FIXED COSTS   Quantity   Units   \$7Unit   Total   Total     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$8.13   \$3,251.90     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$8.13   \$8.13   \$3,251.90     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$8.13   \$8.13   \$3,251.90     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$8.78   \$8.78   \$3.511.66     Equipment Investment   Pickup/General Use Equipment   \$9.65   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$3.50   \$1,000.04     Rent-Dryland Crop   1   Acre   \$35.00   \$35.00   \$14,000.00     Rent-Dryland Crop   1   Acre   \$35.00   \$35.00   \$35.00   \$35.00   \$35.00   \$35.00   \$35.00   \$35.00	Soil Test-Dryland	1	Each	\$0.25	\$0.25	\$100.00
Miscellaneous   GS RP 70%, Ent   1   Acre   \$4.12   \$4.12   \$1,648.00	Custom Harvest Sorghum	1	Acre	\$25.00	\$25.00	\$10,000.00
SSRP 70%, Ent	Custom Haul Sorghum	39.3	Bushels	\$0.27	\$10.61	\$4,244.40
Insecticide   Sivanto   S.5   Ounce   \$2.54   \$13.97   \$5,588.00	Miscellaneous					
Sivanto	GS RP 70%, Ent	1	Acre	\$4.12	\$4.12	\$1,648.00
Machinery Labor Tractors/Self-Propelled         0.5         Hour         \$12.00         \$6.00         \$2,400.00           Diesel Fuel Tractors/Self-Propelled Gasoline Pickup/General Use Equipment Pickup/General Use Equipment         1         Acre         \$1.82         \$1.82         \$727.92           Repairs & Maintenance Pickup/General Use Equipment         1         Acre         \$0.82         \$0.82         \$328.50           Tractors/Self-Propelled         1         Acre         \$6.28         \$6.28         \$2,512.96           Implements         1         Acre         \$6.36         \$6.36         \$2,542.71           Interest on Credit Line         8         6.00%         \$3.19         \$1,274.15           Total Variable Costs         \$6.85         CWT         \$150.80         \$60,320.79           Planned Returns Above Variable Costs         \$6.85         CWT         Enterprise           FIXED COSTS         Quantity         Units         \$/Unit         Total         Total           Machinery Depreciation Pickup/General Use Equipment Tractors/Self-Propelled         1         Acre         \$8.13         \$8.13         \$3.251.90           Implements         1         Acre         \$8.13         \$8.13         \$3.251.90           Equipment Investment Pickup/General Use	Insecticide					
Tractors/Self-Propelled   0.5   Hour   \$12.00   \$6.00   \$2,400.00     Diesel Fuel   Tractors/Self-Propelled   3.03   Gallon   \$2.60   \$7.88   \$3,151.20     Gasoline	Sivanto	5.5	Ounce	\$2.54	\$13.97	\$5,588.00
Diesel Fuel	Machinery Labor					
Tractors/Self-Propelled   3.03   Gallon   \$2.60   \$7.88   \$3,151.20     Gasoline	Tractors/Self-Propelled	0.5	Hour	\$12.00	\$6.00	\$2,400.00
Pickup/General Use Equipment   1   Acre   \$1.82   \$1.82   \$727.92	Diesel Fuel					
Pickup/General Use Equipment Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$0.82   \$0.82   \$328.50     Pickup/General Use Equipment   1   Acre   \$6.28   \$6.28   \$2,512.96     Implements   1   Acre   \$6.36   \$6.36   \$2,542.71     Interest on Credit Line   6.00%   \$3.19   \$1,274.15     Total Variable Costs   \$150.80   \$60,320.79     Planned Returns Above Variable Costs   \$6.85   CWT     Pickup/General Use Equipment   1   Acre   \$6.85   CWT     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$1.74   \$1.74   \$696.60     Tractors/Self-Propelled   1   Acre   \$8.13   \$8.13   \$3,251.90     Implements   1   Acre   \$8.13   \$8.78   \$3,511.66     Equipment Investment   Pickup/General Use Equipment   \$9.65   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$3.25   \$901.33     Management Fee, Owner/Operator Labor   1   Acre   \$35.00   \$14,000.00     Rent-Dryland Crop   1   Acre   \$35.00   \$35.00   \$14,000.00     Total Fixed Costs   \$70.23   \$28,093.39     Total Specified Costs   \$80.00%   \$0.58   \$221.04   \$88,414.17	Tractors/Self-Propelled	3.03	Gallon	\$2.60	\$7.88	\$3,151.20
Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$0.82   \$0.82   \$328.50     Tractors/Self-Propelled   1   Acre   \$6.28   \$6.28   \$2,512.96     Implements   1   Acre   \$6.36   \$6.36   \$2,542.71     Interest on Credit Line   6.00%   \$3.19   \$1,274.15     Total Variable Costs   \$150.80   \$60,320.79     Planned Returns Above Variable Costs:   \$6.85   CWT     Breakeven Price to Cover Variable Costs   \$6.85   CWT     FIXED COSTS   Quantity   Units   \$/Unit   Total   Total     Machinery Depreciation   Pickup/General Use Equipment   1   Acre   \$1.74   \$1.74   \$696.60     Tractors/Self-Propelled   1   Acre   \$8.13   \$8.13   \$3,251.90     Implements   1   Acre   \$8.78   \$8.78   \$3,511.66     Equipment Investment   Pickup/General Use Equipment   \$9.65   Dollars   6.00%   \$0.58   \$231.66     Tractors/Self-Propelled   \$62.51   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$2.25   \$901.33     Management Fee, Owner/Operator Labor   1   Acre   \$1.00   \$10.00   \$4,000.00     Rent-Dryland Crop   1   Acre   \$35.00   \$35.00   \$14,000.00     Total Fixed Costs   \$221.04   \$88,414.17     Returns Above Specified Costs   \$(\$66.60)   \$226,638.17)	Gasoline					
Pickup/General Use Equipment   1   Acre   \$0.82   \$0.82   \$328.50     Tractors/Self-Propelled   1   Acre   \$6.28   \$6.28   \$2,512.96     Implements   1   Acre   \$6.36   \$6.36   \$2,542.71     Interest on Credit Line   6.00%   \$3.19   \$1,274.15     Total Variable Costs   \$150.80   \$60,320.79     Planned Returns Above Variable Costs:   \$150.80   \$60,320.79     Planned Returns Above Variable Costs   \$6.85   CWT     FIXED COSTS   Quantity   Units   \$1.74   \$1.74   \$696.60     Tractors/Self-Propelled   1   Acre   \$1.74   \$1.74   \$696.60     Tractors/Self-Propelled   1   Acre   \$8.78   \$8.78   \$3,511.66     Equipment Investment   Pickup/General Use Equipment   \$9.65   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$2.25   \$901.33     Management Fee, Owner/Operator Labor   1   Acre   \$10.00   \$10.00   \$4,000.00     Rent-Dryland Crop   1   Acre   \$35.00   \$35.00   \$14,000.00     Total Fixed Costs   \$221.04   \$88,414.17     Returns Above Specified Costs   \$(\$66.60)   \$26,638.17)	Pickup/General Use Equipment	1	Acre	\$1.82	\$1.82	\$727.92
Tractors/Self-Propelled   1   Acre   \$6.28   \$6.28   \$2,512.96   Implements   1   Acre   \$6.36   \$6.36   \$2,542.71   Interest on Credit Line   \$6.00%   \$3.19   \$1,274.15   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$60,320.79   \$150.80   \$150.80   \$60,320.79   \$150.80	Repairs & Maintenance					
Implements   1   Acre   \$6.36   \$6.36   \$2,542.71     Interest on Credit Line	Pickup/General Use Equipment	1	Acre	\$0.82	\$0.82	\$328.50
Interest on Credit Line	Tractors/Self-Propelled	1	Acre	\$6.28	\$6.28	\$2,512.96
Total Variable Costs   Planned Returns Above Variable Costs: Breakeven Price to Cover Variable Costs   \$6.85 CWT   Enterprise	■ * * **	1	Acre			
Planned Returns Above Variable Costs   \$3.64   \$1,455.21	Interest on Credit Line			6.00%		
Breakeven Price to Cover Variable Costs   \$6.85 CWT   Enterprise	Total Variable Costs				\$150.80	\$60,320.79
Pixed Costs   Quantity   Units   \$/Unit   Total   Total	Planned Returns Above Variable Costs:			_	\$3.64	\$1,455.21
Machinery Depreciation	Breakeven Price to Cover Variable Costs			\$6.85	CWT	
Machinery Depreciation         Pickup/General Use Equipment         1         Acre         \$1.74         \$1.74         \$696.60           Tractors/Self-Propelled         1         Acre         \$8.13         \$8.13         \$3,251.90           Implements         1         Acre         \$8.78         \$8.78         \$3,511.66           Equipment Investment         Pickup/General Use Equipment         \$9.65         Dollars         6.00%         \$0.58         \$231.66           Tractors/Self-Propelled         \$62.51         Dollars         6.00%         \$3.75         \$1,500.24           Implements         \$37.56         Dollars         6.00%         \$2.25         \$901.33           Management Fee, Owner/Operator Labor         1         Acre         \$10.00         \$10.00         \$4,000.00           Rent-Dryland Crop         1         Acre         \$35.00         \$35.00         \$14,000.00           Total Fixed Costs         \$70.23         \$28,093.39           Total Specified Costs         \$66.60         \$88,414.17						Enterprise
Pickup/General Use Equipment Tractors/Self-Propelled         1         Acre         \$1.74         \$1.74         \$696.60           Management Investment Pickup/General Use Equipment Implements         1         Acre         \$8.78         \$8.78         \$3,511.66           Equipment Investment Pickup/General Use Equipment Tractors/Self-Propelled         \$9.65         Dollars Fe2.51         6.00%         \$0.58         \$231.66           Tractors/Self-Propelled         \$62.51         Dollars Fe2.51         6.00%         \$3.75         \$1,500.24           Implements         \$37.56         Dollars Fe2.51         6.00%         \$2.25         \$901.33           Management Fee, Owner/Operator Labor Rent-Dryland Crop         1         Acre         \$10.00         \$10.00         \$4,000.00           Total Fixed Costs         \$70.23         \$28,093.39         \$221.04         \$88,414.17           Returns Above Specified Costs         (\$66.60)         (\$26,638.17)	FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Tractors/Self-Propelled Implements         1         Acre         \$8.13         \$3,251.90           Implements         1         Acre         \$8.78         \$8.78         \$3,511.66           Equipment Investment         \$9.65         Dollars         6.00%         \$0.58         \$231.66           Pickup/General Use Equipment Tractors/Self-Propelled         \$6.2.51         Dollars         6.00%         \$3.75         \$1,500.24           Implements         \$37.56         Dollars         6.00%         \$2.25         \$901.33           Management Fee, Owner/Operator Labor Rent-Dryland Crop         1         Acre         \$10.00         \$10.00         \$4,000.00           Total Fixed Costs         \$70.23         \$28,093.39         \$221.04         \$88,414.17           Returns Above Specified Costs         \$(\$66.60)         \$(\$26,638.17)	, ,					
Implements			Acre		•	\$696.60
Equipment Investment         \$9.65         Dollars         6.00%         \$0.58         \$231.66           Tractors/Self-Propelled         \$62.51         Dollars         6.00%         \$3.75         \$1,500.24           Implements         \$37.56         Dollars         6.00%         \$2.25         \$901.33           Management Fee, Owner/Operator Labor         1         Acre         \$10.00         \$4,000.00           Rent-Dryland Crop         1         Acre         \$35.00         \$14,000.00           Total Fixed Costs         \$70.23         \$28,093.39           Total Specified Costs         \$221.04         \$88,414.17           Returns Above Specified Costs         (\$66.60)         (\$26,638.17)			Acre			. ,
Pickup/General Use Equipment   \$9.65   Dollars   6.00%   \$0.58   \$231.66     Tractors/Self-Propelled   \$62.51   Dollars   6.00%   \$3.75   \$1,500.24     Implements   \$37.56   Dollars   6.00%   \$2.25   \$901.33     Management Fee, Owner/Operator Labor   1   Acre   \$10.00   \$10.00   \$4,000.00     Rent-Dryland Crop   1   Acre   \$35.00   \$35.00   \$14,000.00     Total Fixed Costs   \$70.23   \$28,093.39     Total Specified Costs   \$221.04   \$88,414.17     Returns Above Specified Costs   \$(\$66.60)   \$(\$26,638.17)		1	Acre	\$8.78	\$8.78	\$3,511.66
Tractors/Self-Propelled Implements         \$62.51 Dollars         Dollars         6.00% \$3.75 \$1,500.24           Management Fee, Owner/Operator Labor Rent-Dryland Crop         1 Acre \$10.00 \$10.00 \$4,000.00           Total Fixed Costs         \$70.23 \$28,093.39           Total Specified Costs         \$221.04 \$88,414.17           Returns Above Specified Costs         \$(\$66.60) \$(\$26,638.17)						
Implements						•
Management Fee, Owner/Operator Labor Rent-Dryland Crop       1 Acre \$10.00 \$10.00 \$4,000.00         Total Fixed Costs Total Specified Costs       \$35.00 \$35.00 \$14,000.00         Returns Above Specified Costs       \$70.23 \$28,093.39         \$221.04 \$88,414.17         (\$66.60) \$638.17	Tractors/Self-Propelled	\$62.51	Dollars	6.00%	\$3.75	\$1,500.24
Rent-Dryland Crop         1         Acre         \$35.00         \$35.00         \$14,000.00           Total Fixed Costs         \$70.23         \$28,093.39           Total Specified Costs         \$221.04         \$88,414.17           Returns Above Specified Costs         (\$66.60)         (\$26,638.17)	Implements	\$37.56	Dollars	6.00%	\$2.25	\$901.33
Total Fixed Costs         \$70.23         \$28,093.39           Total Specified Costs         \$221.04         \$88,414.17           Returns Above Specified Costs         (\$66.60)         (\$26,638.17)	Management Fee, Owner/Operator Labor	1	Acre	\$10.00	\$10.00	\$4,000.00
Total Fixed Costs         \$70.23         \$28,093.39           Total Specified Costs         \$221.04         \$88,414.17           Returns Above Specified Costs         (\$66.60)         (\$26,638.17)	Rent-Dryland Crop	1	Acre	\$35.00	\$35.00	\$14,000.00
Total Specified Costs         \$221.04         \$88,414.17           Returns Above Specified Costs         (\$66.60)         (\$26,638.17)				_	\$70.23	
Returns Above Specified Costs (\$66.60) (\$26,638.17)	Total Specified Costs			=		
	r			=		,
Breakeven Price to Cover Total Costs \$10.05 CWT	Returns Above Specified Costs				(\$66.60)	(\$26,638.17)
	Breakeven Price to Cover Total Costs			\$10.05 C	CWT	

		Example Breakeven Prices			
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent	CWT	Costs	Costs		
75%	16.50	\$9.14	\$13.40		
90%	19.80	\$7.62	\$11.16		
100%	22.00	\$6.85	\$10.05		
110%	24.20	\$6.23	\$9.13		
125%	27.50	\$5.48	\$8.04		

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.