2021 Estimated Costs and Returns per Acre
Sorghum for Hay
North Texas Extension District - 4

	Quantity	Your Quantity	Units	$/Unit	Your $/Unit	Total	Your Total	Enterprise Total
Crop Acres	100	Your Acres:						
REVENUE								
Sorghum Hay	5.00		Roll	$75.00		$375.00		$37,500.00
0	0.00			$0.00		$0.00		$0.00
0	0.00			$0.00		$0.00		$0.00
0	0.00			$0.00		$0.00		$0.00
0	0.00			$0.00		$0.00		$0.00
0	0.00			$0.00		$0.00		$0.00
Total Revenue						$375.00		$37,500.00
VARIABLE COSTS	Quantity	Quantity	Units	$/Unit	$/Unit	Total	Total	Enterprise Total
Production Costs								
Custom								
Custom Bale	5		Roll	$28.00		$140.00		$14,000.00
Custom Haul	5		Roll	$3.30		$16.50		$1,650.00
Fertilizer								
18-46-0	100		Pounds	$0.36		$36.00		$3,600.00
82-0-0	100		Pounds	$0.44		$44.00		$4,400.00
Seed								
Forage Sorghum Seed	50		Pounds	$0.75		$37.50		$3,750.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
0	0		0	$0.00		$0.00		$0.00
Irrigation								
Water Cost	0.00		AcreInch	$0.00		$0.00		$0.00
Energy Cost	0.00		AcreInch	$7.00		$0.00		$0.00
Irrigation Labor	0.00		Hour	$10.00		$0.00		$0.00
	0.00		Hour	$0.00		$0.00		$0.00
	0.00		Hour	$0.00		$0.00		$0.00
	0.00		Hour	$0.00		$0.00		$0.00
	0.00		Hour	$0.00		$0.00		$0.00
	0.00		Hour	$0.00		$0.00		$0.00
	0.00		Hour	$0.00		$0.00		$0.00
Machinery Labor								
Tractors/Self-Propelled	0.74		Hour	$10.00		$7.40		$740.00
Other Labor	0		Hour	$10.00		$0.00		$0.00
Diesel Fuel								
Pickup/General Use Equipment	1		Acre	$0.00		$0.00		$0.00
Tractors/Self-Propelled	3.7		Gallon	$2.50		$9.25		$925.00
Gasoline								
Pickup/General Use Equipment	1		Acre	$0.00		$0.00		$0.00
Tractors/Self-Propelled	0		Gallon	$2.20		$0.00		$0.00
Repairs & Maintenance								
Pickup/General Use Equipment	1		Acre	$0.00		$0.00		$0.00
Irrigation Equipment	1		Acre	$0.00		$0.00		$0.00
Tractors/Self-Propelled	1		Acre	$6.17		$6.17		$616.67
Implements	1		Acre	$22.10		$22.10		$2,209.68
						$0.00		$0.00
						$0.00		$0.00
						$0.00		$0.00
						$0.00		$0.00
						$0.00		$0.00
						$0.00		$0.00
Interest on Credit Line				4.75%		$4.75		$474.87
Total Variable Costs						$323.66		$32,366.23
Planned Returns Above Variable Costs:						$51.34		$5,133.77
Breakeven Price to Cover Variable Costs				$64.73	n/a	Roll		
FIXED COSTS	Quantity	Quantity	Units	$/Unit	$/Unit	Total	Total	Enterprise Total
Machinery Depreciation								
Pickup/General Use Equipment	1		Acre	$0.00		$0.00		$0.00
Irrigation Equipment	1		Acre	$0.00		$0.00		$0.00
Tractors/Self-Propelled	1		Acre	$5.80		$5.80		$580.21
Implements	1		Acre	$26.00		$26.00		$2,600.48
Equipment Investment								
Pickup/General Use Equipment	$0.00		Dollars	6.00%		$0.00		$0.00
Irrigation Equipment	$0.00		Dollars	6.00%		$0.00		$0.00
Tractors/Self-Propelled	$45.20		Dollars	6.00%		$2.71		$271.20
Implements	$111.32		Dollars	6.00%		$6.68		$667.95
Equipment Fixed Costs								
Pickup/General Use Equipment	1		Acre	$0.00		$0.00		$0.00
Irrigation Equipment	1		Acre	$0.00		$0.00		$0.00
Tractors/Self-Propelled	1		Acre	$0.00		$0.00		$0.00
Implements	1		Acre	$0.00		$0.00		$0.00
Salaried Labor	1		Acre	$0.00		$0.00		$0.00
Management Fee, Owner/Operator Labor	1		Acre	$0.00		$0.00		$0.00
Allocated Establishment Cost	1		Acre	$0.00		$0.00		$0.00
Rent-Dryland Crop	1		Acre	$25.00		$25.00		$2,500.00
Property Taxes	1		Acre	$0.00		$0.00		$0.00
Whole Farm Insurance	1		Acre	$0.00		$0.00		$0.00
	1		Acre	$0.00		$0.00		$0.00
	1		Acre	$0.00		$0.00		$0.00
Total Fixed Costs						$66.20		$6,619.83
Total Specified Costs						$389.86		$38,986.06
Returns Above Specified Costs						($14.86)		($1,486.06)
Breakeven Price to Cover Total Costs				$77.97	n/a	Roll		

Developed by Blake Bennet, Associate Professor and Extension Economist, Texas A&M AgriLife Extension Service, 972-952-9273.

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.