

Projections for Planning Purposes Only -- Not to be Used without Updating
2013 Estimated Costs and Returns per Acre
Sorghum for Hay - 100 Acres
North Texas Extension District - 4

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		Total
Sorghum hay	5.00	Roll	\$ 75.00	\$375.00		\$37,500.00
Other Revenue	0.00	Acre	\$0.00	\$0.00		\$0.00
Other Revenue	0.00	Acre	\$0.00	\$0.00		\$0.00
Total Revenue				\$375.00		\$37,500.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Production Costs						
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
Custom						
Custom Bale	5.00	Roll	\$28.00	\$140.00		\$14,000.00
Custom Haul	5.00	Roll	\$3.30	\$16.50		\$1,650.00
Diesel Fuel						
Tractors	3.21	Gallons	\$3.50	\$11.23		\$1,122.73
Repairs & Maintenance						
Implements	1	Acre	\$5.43	\$5.43		\$543.15
Tractors	1	Acre	\$5.67	\$5.67		\$567.48
Operator Labor						
Tractors	0.94	Hours	\$10.00	\$9.45		\$944.83
Interest on Credit Line						
			4.75%	\$4.44		\$444.23
Total Variable Costs				\$310.22		\$31,022.41
Planned Returns Above Variable Costs:						
Breakeven Price to Cover Variable Costs				\$62.04	Roll	
						\$64.78
						\$6,477.59
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Machinery						
Implements	1	Acre	\$7.93	\$7.93		\$792.79
Tractors	1	Acre	\$8.31	\$8.31		\$831.16
Land Rent						
	1	Acre	\$25.00	\$25.00		\$2,500.00
Total Fixed Costs				\$41.24		\$4,123.95
Total Specified Costs				\$351.46		\$35,146.36
Returns Above Specified Costs						\$23.54
Breakeven Price to Cover Total Costs				\$70.29	Roll	

Breakeven Prices						
Percent	Roll	Full	Tenant	Full	Tenant	Landlord
75%	3.75	\$72.29	\$72.29	\$83.29	\$83.29	\$0.00
90%	4.50	\$65.46	\$65.46	\$74.63	\$74.63	\$0.00
100%	5.00	\$62.04	\$62.04	\$70.29	\$70.29	\$0.00
110%	5.50	\$59.25	\$59.25	\$66.75	\$66.75	\$0.00
125%	6.25	\$55.90	\$55.90	\$62.49	\$62.49	\$0.00

Developed by Blake Bennet, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation.