

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2019 Estimated Costs and Returns per Acre**  
**Non-Irrigated Sorghum Haygrazer, 3 ton yield**  
**West Central Extension District - 7**

Crop Acres		50			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Hay, 1200# BRB	3.00	Ton	\$135.00	\$405.00	\$20,250.00
<b>Total Revenue</b>				<b>\$405.00</b>	<b>\$20,250.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Fertilizer					
Nitrogen Dry-Urea	40	Pounds	\$0.48	\$19.34	\$967.20
Custom					
Soil Test-Dryland	1	Each	\$0.25	\$0.25	\$12.50
Swath, Rake and Bale	5	Bale	\$27.57	\$137.85	\$6,892.50
Seed					
Forage Sorghum	15	Pound	\$1.60	\$24.00	\$1,200.00
Herbicide					
Husky	12	Ounce	\$0.88	\$10.59	\$529.69
Insecticide					
Transform	1	Ounce	\$7.78	\$7.78	\$389.06
Machinery Labor					
Tractors/Self-Propelled	0.93	Hour	\$12.00	\$11.16	\$558.00
Diesel Fuel					
Tractors/Self-Propelled	7.54	Gallon	\$2.60	\$19.60	\$980.20
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.85	\$4.85	\$242.64
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$2.19	\$2.19	\$109.50
Tractors/Self-Propelled	1	Acre	\$17.45	\$17.45	\$872.45
Implements	1	Acre	\$11.02	\$11.02	\$550.79
Interest on Credit Line			6.00%	\$2.70	\$134.95
<b>Total Variable Costs</b>				<b>\$268.79</b>	<b>\$13,439.47</b>
Planned Returns Above Variable Costs:				\$136.21	\$6,810.53
Breakeven Price to Cover Variable Costs			\$89.60	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Machinery Depreciation</b>					
Pickup/General Use Equipment	1	Acre	\$4.64	\$4.64	\$232.20
Tractors/Self-Propelled	1	Acre	\$18.84	\$18.84	\$942.11
Implements	1	Acre	\$14.16	\$14.16	\$708.21
<b>Equipment Investment</b>					
Pickup/General Use Equipment	\$25.74	Dollars	6.00%	\$1.54	\$77.22
Tractors/Self-Propelled	\$146.38	Dollars	6.00%	\$8.78	\$439.13
Implements	\$62.81	Dollars	6.00%	\$3.77	\$188.42
Rent-Dryland Crop	1	Acre	\$35.00	\$35.00	\$1,750.00
<b>Total Fixed Costs</b>				<b>\$86.75</b>	<b>\$4,337.28</b>
<b>Total Specified Costs</b>				<b>\$355.54</b>	<b>\$17,776.76</b>
Returns Above Specified Costs				\$49.46	\$2,473.24
<b>Breakeven Price to Cover Total Costs</b>			<b>\$118.51</b>	<b>Ton</b>	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	2.25	\$119.46	\$158.02
90%	2.70	\$99.55	\$131.68
100%	3.00	\$89.60	\$118.51
110%	3.30	\$81.45	\$107.74
125%	3.75	\$71.68	\$94.81

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.**