Projections for Planning Purposes Only -- Not to be Used without Updating 2016 Estimated Costs and Returns per Acre Dryland Bermudagrass Hay - 100 Acres West Central Extension District - 7

Crop Acres	100

REVENUE Quantity Units S/Unit Total	Crop Acres	100				
Hay, 1200# BRB 3.33 Ton \$105.00 \$349.65 \$349.65 \$349.65.00 \$349.65 \$349.	DEVENUE	Ougatitus	Lleito	¢/Ll∞it	Total	•
VARIABLE COSTS						
VARIABLE COSTS Quantity Units \$/Unit Total Enterprise Production Costs Custom Soil Test-Dryland 1 Each \$0.25 \$0.25 \$25.00 Swath, Rake and Bale 3.3 Bale \$25.20 \$83.16 \$8,316.00 Fertilizer Phosphate 12 Pounds \$0.37 \$4.40 \$440.00 Potassium 27 Pounds \$0.37 \$4.40 \$440.00 Nitrogen N32 64 Pounds \$0.42 \$27.13 \$2.713.04 Nitrogen Dry-Urea 51 Pounds \$0.42 \$21.62 \$2.161.96 Herbicide 2-4D Amine 4 4 Pint \$1.81 \$7.25 \$72.50 Insecticide 50 Dirnilin 2L 1.5 Ounce \$2.02 \$3.04 \$303.51 Miscellaneous 8 Rainfall Insurance 1 Acre \$2.32 \$2.26 \$2.32.60 \$2.326.00 Machinery Labor Tractors/Self-Propelled 0.82 Gallon	**	3.33	1011	\$105.00	*	
VARIABLE COSTS	Total Revenue				φ349.03	
Production Costs	VADIABLE COSTS	Quantity	Linita	¢/Lloit	Total	
Custom Suil Test-Dryland 1 Each \$0.25 \$0.25 \$0.25 \$0.26 \$0.25 \$0.2		Quantity	Office	φ/ΟΤΠΙ	TOtal	Total
Soil Test-Dryland 1 Each \$0.25 \$0.25 \$3.50.00 Swath, Rake and Bale 3.3 Bale \$25.20 \$83.16 \$8.316.00 Fertilizer						
Swath, Rake and Bale 3.3 Bale \$25.20 \$83.16 \$8,316.00		1	Fach	\$0.25	\$0.25	\$25.00
Fertilizer				*	*	
Phosphate		5.5	Dale	Ψ23.20	ψ05.10	ψ0,510.00
Potassium Nitrogen N32 27 Pounds \$0.42 \$27.13 \$2,713.04 Herbicide Insecticide 51 Pounds \$0.42 \$27.13 \$2,713.04 Berbicide Dimilin 2L 4 Pint \$1.81 \$7.25 \$725.00 Insecticide Dimilin 2L 5 Ounce \$2.02 \$3.04 \$303.51 Miscellaneous Rainfall Insurance 1 Acre \$23.26 \$23.26 \$2,326.00 Machinery Labor Tractors/Self-Propelled 0.29 Hour \$11.20 \$3.48 \$348.00 Diesel Fuel Tractors/Self-Propelled 0.82 Gallon \$1.50 \$1.23 \$123.00 Gasoline Pickup/General Use Equipment 1 Acre \$2.00 \$2.00 \$200.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.75 \$0.75 \$75.25 Interest on Credit Line 4 Acre \$0.97 \$0.97 \$36.75 Interest on Credit Line 5 559.32 \$197.55 \$197.55 \$197.55 Pickup/General Use Equipment T		12	Pounds	\$0.37	\$4.40	\$440.00
Nitrogen N32	•			*	* -	·
Nitrogen Dry-Urea						
Herbicide				* -	* -	
Section Sect	ŭ ,	01	i ounds	Ψ012	Ψ21.02	Ψ2,101.50
Insecticide		4	Pint	\$1.81	\$7.25	\$725.00
Dimilin 2L			1 1110	Ψ1.01	Ψ1.20	Ψ120.00
Miscellaneous Rainfall Insurance 1 Acre \$23.26 \$23.26 \$2,326.00 Machinery Labor Tractors/Self-Propelled 0.29 Hour \$12.00 \$3.48 \$348.00 Diesel Fuel Tractors/Self-Propelled 0.82 Gallon \$1.50 \$1.23 \$123.00 Gasoline Pickup/General Use Equipment 1 Acre \$2.00 \$2.00 \$20.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.75 \$0.75 \$75.25 Tractors/Self-Propelled 1 Acre \$0.97 \$0.97 \$96.75 Implements 1 Acre \$0.48 \$0.48 \$348.03 Interest on Credit Line 6.50% \$3.48 \$348.03 Total Variable Costs \$59.32 Ton Enterprise FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$0.37 \$0.97 \$15.20.79 FIXED COSTS Quantity Units \$/Unit Total Machinery Depreciation Pickup/General Use Equipment 1 Acre \$1.58 \$1.58 \$157.50 Tractors/Self-Propelled 1 Acre \$3.28 \$3.28 \$328.14 Implements 1 Acre \$0.37 \$0.37 \$36.85 Equipment Investment Pickup/General Use Equipment \$9.63 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$3.87 Dollars 6.50% \$35.00 \$35.00 \$35.00 Total Fixed Costs \$3.90.24 \$30.924.48 Returns Above Specified Costs \$30.924.48		1.5	Ounce	\$2.02	\$3.04	\$303.51
Rainfall Insurance		1.0	Odrice	Ψ2.02	ψο.υ-ι	ψουσ.σ ι
Machinery Labor Tractors/Self-Propelled 0.29 Hour \$12.00 \$3.48 \$348.00 Diesel Fuel Tractors/Self-Propelled 0.82 Gallon \$1.50 \$1.23 \$123.00 Gasoline Pickup/General Use Equipment Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$2.00 \$2.00 \$200.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.75 \$0.75 \$75.25 Tractors/Self-Propelled 1 Acre \$0.97 \$0.97 \$96.75 Implements 1 Acre \$0.48 \$0.48 \$47.90 Interest on Credit Line		1	Acre	\$23.26	\$23.26	\$2,326,00
Tractors/Self-Propelled 0.29 Hour \$12.00 \$3.48 \$348.00 Diesel Fuel Tractors/Self-Propelled 0.82 Gallon \$1.50 \$1.23 \$123.00 Gasoline		•	71010	Ψ20.20	Ψ20.20	Ψ2,020.00
Diesel Fuel		0.29	Hour	\$12.00	\$3.48	\$348.00
Tractors/Self-Propelled 0.82 Gallon \$1.50 \$1.23 \$123.00 Gasoline Pickup/General Use Equipment 1 Acre \$2.00 \$2.00 \$200.00 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$0.75 \$0.75 \$75.25 Tractors/Self-Propelled 1 Acre \$0.97 \$0.97 \$96.75 Implements 1 Acre \$0.97 \$0.97 \$96.75 Implements 1 Acre \$0.48 \$0.48 \$447.90 Acre \$0.48 \$3.48 \$348.03 \$3	•	0.20	11001	Ψ12.00	ψο. 10	φο 10.00
Pickup/General Use Equipment 1 Acre \$2.00 \$2.00 \$200.00		0.82	Gallon	\$1.50	\$1.23	\$123.00
Pickup/General Use Equipment 1		0.02	G a G	ψσσ	Ų., <u>2</u> 0	ψ.20.00
Repairs & Maintenance		1	Acre	\$2.00	\$2.00	\$200.00
Pickup/General Use Equipment 1		-		*	V =	4
Tractors/Self-Propelled	•	1	Acre	\$0.75	\$0.75	\$75.25
Implements						•
Interest on Credit Line	·					
Total Variable Costs S197.55 \$19,755.21 Planned Returns Above Variable Costs S59.32 Ton S152.10 Planned Returns Above Variable Costs S59.32 Ton S152.10 Planned Returns Above Price to Cover Variable Costs S59.32 Ton S152.10 Planned Returns Above Price to Cover Variable Costs S59.32 Ton S152.10 Planned Returns Above Variable Costs S59.32 Ton S152.10 Planned Returns Above Specified Costs S1.58 S152.10 Planned Returns Above Specified Costs S1.58 S152.10 Acre		-		*		
Planned Returns Above Variable Costs S59.32 Ton S152.10 S15,209.79				_		
Standard				_		
Pickup/General Use Equipment 1 Acre \$1.58 \$1.58 \$1.57.50 Tractors/Self-Propelled 1 Acre \$3.28 \$3.28 \$3.28.14 Implements 1 Acre \$0.37 \$0.37 \$36.85 Equipment Investment Pickup/General Use Equipment \$9.63 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$6,900.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$3,500.00 Total Fixed Costs \$111.69 \$111.69 \$111.69 \$7.00 Returns Above Specified Costs \$40.41 \$4,040.52				\$59.32 To		Ψ10,200.10
Machinery Depreciation	2. Calleren : 1100 to Cover Tallazio Coolo			ψου.σ		Enterprise
Machinery Depreciation Pickup/General Use Equipment 1 Acre \$1.58 \$1.58 \$157.50 Tractors/Self-Propelled 1 Acre \$3.28 \$3.28 \$328.14 Implements 1 Acre \$0.37 \$0.37 \$36.85 Equipment Investment Pickup/General Use Equipment \$9.63 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$1.59 \$159.07 Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$69.00.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$35.00.00 Total Fixed Costs \$111.69 \$11,169.27 \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52	FIXED COSTS	Quantity	Units	\$/Unit	Total	•
Pickup/General Use Equipment 1 Acre \$1.58 \$1.58 \$157.50 Tractors/Self-Propelled 1 Acre \$3.28 \$3.28 \$328.14 Implements 1 Acre \$0.37 \$0.37 \$36.85 Equipment Investment Pickup/General Use Equipment \$9.63 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$1.59 \$159.07 Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$69.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$35.00 \$35.00 Total Fixed Costs \$309.24 \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52		Quartity	00	φ,σ	. ota.	
Tractors/Self-Propelled 1 Acre \$3.28 \$3.28 \$328.14 Implements 1 Acre \$0.37 \$0.37 \$36.85 Equipment Investment Pickup/General Use Equipment \$9.63 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$1.59 \$159.07 Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$6,900.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$3,500.00 Total Fixed Costs Total Specified Costs \$309.24 \$309.24 \$309.24 \$309.24 \$309.24		1	Acre	\$1.58	\$1.58	\$157.50
Implements	•					·
Equipment Investment Pickup/General Use Equipment \$9.63 Dollars 6.50% \$0.63 \$62.56 Tractors/Self-Propelled \$24.47 Dollars 6.50% \$1.59 \$159.07 Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$69.00.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$3,500.00 Total Fixed Costs \$111.69 \$11,169.27 Total Specified Costs \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52	·	1	Acre		\$0.37	\$36.85
Pickup/General Use Equipment Tractors/Self-Propelled \$9.63 Dollars 6.50% \$0.63 \$62.56 Implements \$24.47 Dollars 6.50% \$1.59 \$159.07 Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost Rent-Dryland Crop 1 Acre \$69.00 \$69.00 \$6,900.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$3,500.00 Total Fixed Costs \$111.69 \$111.69 \$11,169.27 Total Specified Costs \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52				***	• • •	,
Tractors/Self-Propelled Implements \$24.47 Dollars 6.50% \$1.59 \$159.07 Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost Rent-Dryland Crop 1 Acre \$69.00 \$69.00 \$6,900.00 Total Fixed Costs \$35.00 \$35.00 \$35.00.00 Total Specified Costs \$111.69 \$111.69 \$111,169.27 Returns Above Specified Costs \$40.41 \$4,040.52	• •	\$9.63	Dollars	6.50%	\$0.63	\$62.56
Implements \$3.87 Dollars 6.50% \$0.25 \$25.15 Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$6,900.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$3,500.00 Total Fixed Costs \$111.69 \$11,169.27 Total Specified Costs \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52	•	·	Dollars			•
Allocated Establishment Cost 1 Acre \$69.00 \$69.00 \$6,900.00 Rent-Dryland Crop 1 Acre \$35.00 \$35.00 \$3,500.00 Total Fixed Costs \$111.69 \$11,169.27 Total Specified Costs \$309.24 \$30,924.48						
Rent-Dryland Crop 1 Acre \$35.00 \$35.00.00 \$3,500.00 Total Fixed Costs \$111.69 \$11,169.27 Total Specified Costs \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52	Allocated Establishment Cost	1	Acre			
Total Fixed Costs \$11.69 \$11,169.27 Total Specified Costs \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52	Rent-Dryland Crop	1	Acre			. ,
Total Specified Costs \$309.24 \$30,924.48 Returns Above Specified Costs \$40.41 \$4,040.52						
Returns Above Specified Costs \$40.41 \$4,040.52				=		
				=	+	7,
Breakeven Price to Cover Total Costs \$92.87 Ton	Returns Above Specified Costs				\$40.41	\$4,040.52
	Breakeven Price to Cover Total Costs			\$92.87 To	on	

		Example Breakeven Prices			
Example	Example				
Yield	Yield	Price Needed to Cover	Price Needed to Cover		
Percent	Ton	Your Variable Costs	Your Total Costs		
75%	0.00	\$79.10	\$123.82		
90%	0.00	\$65.92	\$103.18		
100%	0.00	\$59.32	\$92.87		
110%	0.00	\$53.93	\$84.42		
125%	0.00	\$47.46	\$74.29		

Developed by Bill Thompson, Associate 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. Brand names are mentioned only as examples and imply no endorsement.