Projections for Planning Purposes Only -- Not to be Used without Updating 2025 Estimated Costs and Returns per Acre Irrigated Bermudagrass Hay Southwest Extension District - 10

Crop Acres 100

REVENUE						Enterprise
Name	REVENUE	Quantity	Units	\$/Unit	Total	Total
Name	Bermuda Hay	12.00	Ton	\$166.00	\$1,992.00	\$199,200.00
VARIABLE COSTS	Total Revenue				\$1,992.00	\$199,200.00
Production Costs						Enterprise
Fertilizer Prowid HzO	VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
Fertilizer 22-6-17	Production Costs					
Herbicide	Fertilizer					
Prowl H2O	Fertilizer 22-6-17	1816	Pound	\$0.28	\$508.48	\$50,848.00
Miscellaneous Miscellaneous Forage Overhead 1 Acre \$4.00 \$4.00 \$400.00 Irrigation Energy Cost 3036.00 kWh \$0.17 \$516.12 \$51,612.00 Irrigation Labor 0.37 Hour \$17.50 \$6.44 \$644.00 Machinery Labor Tractors/Self-Propelled 4.03 Hour \$17.21 \$69.36 \$6,935.63 Diesel Fuel Tractors/Self-Propelled 18.03 Gallon \$3.00 \$54.09 \$5,409.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.18 \$27.18 \$27,17.92 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$13.44 \$13.44 \$1,344.00	Herbicide					
Miscellaneous Forage Overhead 1 Acre \$4.00 \$4.00 \$400.00 Irrigation Energy Cost 3036.00 kWh \$0.17 \$516.12 \$51.612.00 Irrigation Labor 0.37 Hour \$17.50 \$6.44 \$644.00 Machinery Labor Tractors/Self-Propelled 4.03 Hour \$17.21 \$69.36 \$6,935.63 Diesel Fuel Tractors/Self-Propelled 18.03 Gallon \$3.00 \$54.09 \$5,409.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.18 \$27.18 \$2,717.92 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$28.62 \$28.62 \$2,861.73 Tractors/Self-Propelled 1 Acre \$28.62 \$28.62 \$2,861.73 Tractors/Self-Propelled 1 Acre \$25.21 \$25.21 \$2,521.16 Implements 1 Acre \$25.21 \$25.21 \$2,521.16 Implements 1 Acre \$11.84 \$17.84 \$17.83.93 Interest on Credit Line 1 Acre \$17.84 \$17.84 \$17.83.93 Interest on Credit Line 51.00 \$1.00 \$1.00 Total Variable Costs \$1.00 \$1.00 \$1.00 Breakeven Price to Cover Variable Costs \$109.33 \$1.00 FIXED COSTS Quantity Units \$1.00 \$1.00 Machinery Depreciation 1 Acre \$25.74 \$25.74 \$2.574.00 Irrigation Equipment 1 Acre \$28.01 \$2.00 \$1.00 Irrigation Equipment 1 Acre \$28.01 \$2.00 \$2.00 Fixed Defined Selection 1 Acre \$2.00 \$2.00 \$2.00 Fixed Defined Selection 1 Acre \$2.00 \$2.00 \$2.00 Fixed Defined Selection 1 Acre \$2.00 \$2.00 \$2.00 Fixed Defined Selection \$1.00 \$1.00 \$1.00 \$2.00 \$2.00 Fixed Defined Selection \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 Irrigated Winter Garden Rent 1 Acre \$5.00 \$5.00 \$5.00 \$5.00 Total Fixed Costs \$1.00 \$1	Prowl H2O	4	Pint	\$6.09	\$24.38	\$2,437.50
Irrigation	Miscellaneous					
Energy Cost	Miscellaneous Forage Overhead	1	Acre	\$4.00	\$4.00	\$400.00
Irrigation Labor	Irrigation					
Machinery Labor Tractors/Self-Propelled 4.03 Hour \$17.21 \$69.36 \$6,935.63 Diesel Fuel	Energy Cost	3036.00	kWh	\$0.17	\$516.12	\$51,612.00
Tractors/Self-Propelled 4.03 Hour \$17.21 \$69.36 \$6,935.63	Irrigation Labor	0.37	Hour	\$17.50	\$6.44	\$644.00
Diesel Fuel	Machinery Labor					
Tractors/Self-Propelled 18.03 Gallon \$3.00 \$54.09 \$5,409.00 Gasoline Pickup/General Use Equipment 1 Acre \$27.18 \$27.18 \$2,717.92 Repairs & Maintenance Pickup/General Use Equipment 1 Acre \$13.44 \$13.44 \$1,344.00 Irrigation Equipment 1 Acre \$28.62 \$28.62 \$2,861.73 Tractors/Self-Propelled 1 Acre \$25.21 \$25.21 \$25.21 \$25,521.16 Implements 1 Acre \$17.84 \$11.84 \$1,783.93 Interest on Credit Line \$1.00 \$1.0	Tractors/Self-Propelled	4.03	Hour	\$17.21	\$69.36	\$6,935.63
Pickup/General Use Equipment 1 Acre \$27.18 \$27.18 \$2,717.92	Diesel Fuel					
Pickup/General Use Equipment 1 Acre \$27.18 \$27.18 \$27.17.92	Tractors/Self-Propelled	18.03	Gallon	\$3.00	\$54.09	\$5,409.00
Repairs & Maintenance	Gasoline					
Pickup/General Use Equipment	Pickup/General Use Equipment	1	Acre	\$27.18	\$27.18	\$2,717.92
Irrigation Equipment	Repairs & Maintenance					
Tractors/Self-Propelled 1 Acre \$25.21 \$25.21 \$2,521.16 Implements 1 Acre \$17.84 \$17.84 \$17.84 \$1,783.93 Interest on Credit Line 8.60% \$16.82 \$1,681.50 \$1041 \$131.196.37 \$13	Pickup/General Use Equipment	1	Acre	\$13.44	\$13.44	\$1,344.00
Implements	Irrigation Equipment	1	Acre	\$28.62	\$28.62	\$2,861.73
Interest on Credit Line	Tractors/Self-Propelled	1	Acre	\$25.21	\$25.21	\$2,521.16
State Stat	Implements	1	Acre	\$17.84	\$17.84	\$1,783.93
Planned Returns Above Variable Costs \$680.04 \$680.03.63	Interest on Credit Line			8.60%	\$16.82	\$1,681.50
State Price to Cover Variable Costs State Stat	Total Variable Costs			_	\$1,311.96	\$131,196.37
FIXED COSTS Quantity Units \$/Unit Total Total	Planned Returns Above Variable Costs:			_	\$680.04	\$68,003.63
Nachinery Depreciation	Breakeven Price to Cover Variable Costs			\$109.33 To	on	
Machinery Depreciation Pickup/General Use Equipment 1 Acre \$25.74 \$25.74 \$2,574.00 Irrigation Equipment 1 Acre \$98.31 \$98.31 \$9,831.25 Tractors/Self-Propelled 1 Acre \$24.40 \$24.40 \$2,439.52 Implements 1 Acre \$29.46 \$29.46 \$2,945.90 Equipment Investment Pickup/General Use Equipment \$107.25 Dollars 8.60% \$9.22 \$922.35 Irrigation Equipment \$788.13 Dollars 8.60% \$67.78 \$6,777.88 Tractors/Self-Propelled \$189.81 Dollars 8.60% \$16.32 \$1,632.36 Implements \$229.65 Dollars 8.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$34,098.26 \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36						Enterprise
Pickup/General Use Equipment 1 Acre \$25.74 \$25.74 \$2,574.00 Irrigation Equipment 1 Acre \$98.31 \$98.31 \$9,831.25 Tractors/Self-Propelled 1 Acre \$24.40 \$24.40 \$2,439.52 Implements 1 Acre \$29.46 \$29.46 \$29.45.90 Equipment Investment Pickup/General Use Equipment \$107.25 Dollars 8.60% \$9.22 \$922.35 Irrigation Equipment \$788.13 Dollars 8.60% \$67.78 \$6,777.88 Tractors/Self-Propelled \$189.81 Dollars 8.60% \$16.32 \$1,632.36 Implements \$229.65 Dollars 8.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$34,098.26 Returns Above Specified Costs \$339.05 \$33,905.36 Returns Above Specified Costs \$339.05 \$33,905.36 Substituting the substitution of the substituting the substitution of the substitution	FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Irrigation Equipment	Machinery Depreciation					
Tractors/Self-Propelled 1 Acre \$24.40 \$24.40 \$2,439.52 Implements 1 Acre \$29.46 \$29.46 \$29.45.90 Equipment Investment Pickup/General Use Equipment \$107.25 Dollars 8.60% \$9.22 \$922.35 Irrigation Equipment \$788.13 Dollars 8.60% \$67.78 \$6,777.88 Tractors/Self-Propelled \$189.81 Dollars 8.60% \$16.32 \$1,632.36 Implements \$229.65 Dollars 8.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$34,098.26 \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Pickup/General Use Equipment	1	Acre	\$25.74	\$25.74	\$2,574.00
Implements	Irrigation Equipment	1	Acre	\$98.31	\$98.31	\$9,831.25
Equipment Investment Pickup/General Use Equipment \$107.25 Dollars 8.60% \$9.22 \$922.35 Irrigation Equipment \$788.13 Dollars 8.60% \$67.78 \$6,777.88 Tractors/Self-Propelled \$189.81 Dollars 8.60% \$16.32 \$1,632.36 Implements \$229.65 Dollars 8.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$34,098.26 Total Specified Costs \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Tractors/Self-Propelled	1	Acre	\$24.40	\$24.40	\$2,439.52
Pickup/General Use Equipment \$107.25 Dollars 8.60% \$9.22 \$922.35 Irrigation Equipment \$788.13 Dollars 8.60% \$67.78 \$6,777.88 Tractors/Self-Propelled \$189.81 Dollars 8.60% \$16.32 \$1,632.36 Implements \$229.65 Dollars 8.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$340.98 \$34,098.26 Total Specified Costs \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Implements	1	Acre	\$29.46	\$29.46	\$2,945.90
Irrigation Equipment \$788.13 Dollars 8.60% \$67.78 \$6,777.88 Tractors/Self-Propelled \$189.81 Dollars 8.60% \$16.32 \$1,632.36 Implements \$229.65 Dollars 8.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$34,098.26 Total Specified Costs \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Equipment Investment					
Tractors/Self-Propelled Implements \$189.81 Dollars B.60% \$16.32 \$1,632.36 Implements Implements \$229.65 Dollars B.60% \$19.75 \$1,975.00 Irrigated Winter Garden Rent Implements Implements Irrigated Winter Garden Rent Implements Implements Irrigated Winter Garden Rent Implements Implem	Pickup/General Use Equipment	\$107.25	Dollars	8.60%	\$9.22	\$922.35
Implements	Irrigation Equipment	\$788.13	Dollars	8.60%	\$67.78	\$6,777.88
Irrigated Winter Garden Rent 1 Acre \$50.00 \$50.00 \$5,000.00 Total Fixed Costs \$340.98 \$34,098.26 Total Specified Costs \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Tractors/Self-Propelled	\$189.81	Dollars	8.60%	\$16.32	\$1,632.36
Total Fixed Costs \$340.98 \$34,098.26 Total Specified Costs \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Implements	\$229.65	Dollars	8.60%	\$19.75	\$1,975.00
Total Specified Costs \$1,652.95 \$165,294.64 Returns Above Specified Costs \$339.05 \$33,905.36	Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$5,000.00
Returns Above Specified Costs \$339.05 \$33,905.36	Total Fixed Costs				\$340.98	\$34,098.26
	Total Specified Costs			<u>=</u>	\$1,652.95	\$165,294.64
Breakeven Price to Cover Total Costs \$137.75 Ton	Returns Above Specified Costs				\$339.05	\$33,905.36
	Breakeven Price to Cover Total Costs			\$137.75 To	on	

		Examp	Example Breakeven Prices		
Example	Example	To Cover	To Cover		
Yield	Yield	Variable	Total		
Percent	Ton	Costs	Costs		
75%	9.00	\$145.77	\$183.66		
90%	10.80	\$121.48	\$153.05		
100%	12.00	\$109.33	\$137.75		
110%	13.20	\$99.39	\$125.22		
125%	15.00	\$87.46	\$110.20		

Developed by Extension Agricultural Economists, Texas A&M AgriLife Extension, budgets@tamu.edu.

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.