

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Irrigated Malting Barley
Southwest Extension District - 10

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Malting Barley	1.92	Ton	\$142.08	\$272.80	\$33,281.60	\$33,281.60
Total Revenue				\$272.80	\$33,281.60	\$33,281.60
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Haul Barley	1.58	Ton	\$5.85	\$9.24	\$1,127.65	
Fertilizer						
UAN(32% N)	2	CWT	\$13.00	\$26.00	\$3,172.00	
Fertilizer 18-46-0	87	Pound	\$0.29	\$25.23	\$3,078.06	
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.17	\$2.72	\$331.84	
Insecticide						
Lorsban 4E	1	Pint	\$5.03	\$5.03	\$613.66	
Miscellaneous						
Crop Insurance - M. Barley Irrigated	1	Acre	\$27.00	\$27.00	\$3,294.00	
Miscellaneous Barley Overhead	1	Acre	\$4.00	\$4.00	\$488.00	
Seed						
Malting Barley Seed	60	Pound	\$0.80	\$48.00	\$5,856.00	
Fungicides						
Quilt	10.5	Ounce	\$1.80	\$18.90	\$2,305.80	
Other Labor						
Hand Labor	0.1167	Hour	\$8.50	\$0.99	\$121.02	
Irrigation						
Energy Cost	396.00	kWh	\$0.17	\$67.32	\$8,213.04	
Irrigation Labor	0.05	Hour	\$11.00	\$0.53	\$64.42	
Machinery Labor						
Tractors/Self-Propelled	0.85	Hour	\$12.00	\$10.20	\$1,244.40	
Other Labor	0.28	Hour	\$8.50	\$2.38	\$290.36	
Diesel Fuel						
Tractors/Self-Propelled	7.95	Gallon	\$2.99	\$23.77	\$2,900.00	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$27.97	\$27.97	\$3,412.06	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37	
Irrigation Equipment	1	Acre	\$3.73	\$3.73	\$455.39	
Tractors/Self-Propelled	1	Acre	\$25.98	\$25.98	\$3,169.26	
Implements	1	Acre	\$16.27	\$16.27	\$1,984.67	
Interest on Credit Line			6.50%	\$9.42	\$1,149.21	
Total Variable Costs				\$359.52	\$43,861.19	
Planned Returns Above Variable Costs:						
Breakeven Price to Cover Variable Costs			\$187.25	Ton	(\$86.72)	(\$10,579.59)
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85	
Irrigation Equipment	1	Acre	\$80.58	\$80.58	\$9,831.25	
Tractors/Self-Propelled	1	Acre	\$26.81	\$26.81	\$3,270.83	
Implements	1	Acre	\$20.36	\$20.36	\$2,484.27	
Equipment Investment						
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77	
Irrigation Equipment	\$646.00	Dollars	6.50%	\$41.99	\$5,122.81	
Tractors/Self-Propelled	\$204.09	Dollars	6.50%	\$13.27	\$1,618.46	
Implements	\$96.16	Dollars	6.50%	\$6.25	\$762.55	
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$271.29	\$33,097.79	
Total Specified Costs				\$630.81	\$76,958.98	
Returns Above Specified Costs						(\$358.01) (\$43,677.38)
Breakeven Price to Cover Total Costs			\$328.55	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	1.44	\$249.67	\$438.06
90%	1.73	\$208.05	\$365.05
100%	1.92	\$187.25	\$328.55
110%	2.11	\$170.23	\$298.68
125%	2.40	\$149.80	\$262.84

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

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.