

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 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	\$183.33	\$351.99	\$42,943.22	\$42,943.22
Total Revenue				\$351.99	\$42,943.22	
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	\$12.95	\$25.90	\$3,159.80	
Fertilizer 18-46-0	87	Pound	\$0.25	\$21.32	\$2,600.43	
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.15	\$2.37	\$289.02	
Insecticide						
Lorsban 4E	1	Pint	\$4.52	\$4.52	\$551.32	
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	\$1.43	\$15.06	\$1,837.43	
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	\$2.49	\$19.80	\$2,415.05	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$23.13	\$23.13	\$2,821.74	
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	\$27.65	\$27.65	\$3,373.34	
Implements	1	Acre	\$17.25	\$17.25	\$2,104.43	
Interest on Credit Line			6.50%	\$9.04	\$1,102.61	
Total Variable Costs				\$344.26	\$41,999.81	
Planned Returns Above Variable Costs:				\$7.73	\$943.41	
Breakeven Price to Cover Variable Costs			\$179.30	Ton		
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	\$28.71	\$28.71	\$3,502.80	
Implements	1	Acre	\$21.60	\$21.60	\$2,634.68	
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	\$218.61	Dollars	6.50%	\$14.21	\$1,733.57	
Implements	\$101.40	Dollars	6.50%	\$6.59	\$804.12	
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$275.71	\$33,636.85	
Total Specified Costs				\$619.97	\$75,636.66	
Returns Above Specified Costs				(\$267.98)	(\$32,693.44)	
Breakeven Price to Cover Total Costs			\$322.90	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	1.44	\$239.07	\$430.54
90%	1.73	\$199.22	\$358.78
100%	1.92	\$179.30	\$322.90
110%	2.11	\$163.00	\$293.55
125%	2.40	\$143.44	\$258.32

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.