

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Irrigated Malting Barley - 122 Acres
Southwest Extension District - 10

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Enterprise Total
Malting Barley	1.92	Ton	\$300.00	\$576.00	\$70,272.00	
Total Revenue				\$576.00	\$70,272.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise Total
Production Costs						
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.12	\$1.92	\$234.24	
Seed						
Malting Barley Seed	60	Pound	\$0.80	\$48.00	\$5,856.00	
Fertilizer						
UAN(32% N)	2	CWT	\$16.00	\$32.00	\$3,904.00	
Fertilizer 18-46-0	87	Pound	\$0.27	\$23.49	\$2,865.78	
Custom						
Haul Barley	1.58	Ton	\$5.85	\$9.24	\$1,127.65	
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	
Insecticide						
Lorsban 4E	1	Pint	\$5.03	\$5.03	\$613.66	
Fungicides						
Quilt	10.5	Ounce	\$1.86	\$19.53	\$2,382.66	
Other Labor						
Hand Labor	0.1167	Hour	\$8.50	\$0.99	\$121.02	
Irrigation						
Energy Cost	390.00	kWh	\$0.17	\$66.30	\$8,088.60	
Irrigation Labor	0.02	Hour	\$11.00	\$0.26	\$32.21	
Machinery Labor						
Tractors/Self-Propelled	1.14	Hour	\$12.00	\$13.68	\$1,668.96	
Diesel Fuel						
Tractors/Self-Propelled	8.04	Gallon	\$2.10	\$16.88	\$2,059.85	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$19.35	\$19.35	\$2,361.29	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37	
Irrigation Equipment	1	Acre	\$4.06	\$4.06	\$494.83	
Tractors/Self-Propelled	1	Acre	\$22.66	\$22.66	\$2,765.01	
Implements	1	Acre	\$13.86	\$13.86	\$1,691.13	
Interest on Credit Line			6.50%	\$8.74	\$1,066.36	
Total Variable Costs				\$341.85	\$41,705.61	
Planned Returns Above Variable Costs:				\$234.15	\$28,566.39	
Breakeven Price to Cover Variable Costs			\$178.05	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise Total
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85	
Irrigation Equipment	1	Acre	\$34.75	\$34.75	\$4,239.44	
Tractors/Self-Propelled	1	Acre	\$24.18	\$24.18	\$2,949.84	
Implements	1	Acre	\$17.33	\$17.33	\$2,113.76	
Equipment Investment						
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77	
Irrigation Equipment	\$260.62	Dollars	6.50%	\$16.94	\$2,066.73	
Tractors/Self-Propelled	\$185.67	Dollars	6.50%	\$12.07	\$1,472.33	
Implements	\$81.35	Dollars	6.50%	\$5.29	\$645.10	
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$192.58	\$23,494.81	
Total Specified Costs				\$534.43	\$65,200.42	
Returns Above Specified Costs				\$41.57	\$5,071.58	
Breakeven Price to Cover Total Costs			\$278.35	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	1.44	\$237.40	\$371.13
90%	1.73	\$197.83	\$309.28
100%	1.92	\$178.05	\$278.35
110%	2.11	\$161.86	\$253.04
125%	2.40	\$142.44	\$222.68

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

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.