

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 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	\$208.33	\$400.00	\$48,800.00	\$48,800.00
<b>Total Revenue</b>				<b>\$400.00</b>	<b>\$48,800.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Custom						
Haul Barley	1.58	Ton	\$5.85	\$9.24	\$1,127.65	
Fertilizer						
UAN(32% N)	2	CWT	\$17.00	\$34.00	\$4,148.00	
Fertilizer 18-46-0	87	Pound	\$0.24	\$20.88	\$2,547.36	
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.14	\$2.24	\$273.28	
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	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	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	\$2.14	\$17.01	\$2,075.59	
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	\$4.06	\$4.06	\$494.83	
Tractors/Self-Propelled	1	Acre	\$25.37	\$25.37	\$3,094.72	
Implements	1	Acre	\$15.87	\$15.87	\$1,935.58	
Interest on Credit Line			6.50%	\$9.37	\$1,143.61	
<b>Total Variable Costs</b>				<b>\$349.07</b>	<b>\$42,586.77</b>	
Planned Returns Above Variable Costs:				\$50.93	\$6,213.23	
Breakeven Price to Cover Variable Costs			\$181.81	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	\$34.75	\$34.75	\$4,239.44	
Tractors/Self-Propelled	1	Acre	\$26.22	\$26.22	\$3,198.82	
Implements	1	Acre	\$19.85	\$19.85	\$2,421.20	
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	\$199.67	Dollars	6.50%	\$12.98	\$1,583.39	
Implements	\$93.77	Dollars	6.50%	\$6.10	\$743.62	
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	
<b>Total Fixed Costs</b>				<b>\$198.86</b>	<b>\$24,260.81</b>	
<b>Total Specified Costs</b>				<b>\$547.93</b>	<b>\$66,847.58</b>	
Returns Above Specified Costs				(\$147.93)	(\$18,047.58)	
Breakeven Price to Cover Total Costs			\$285.38	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	1.44	\$242.41	\$380.51
90%	1.73	\$202.01	\$317.09
100%	1.92	\$181.81	\$285.38
110%	2.11	\$165.28	\$259.44
125%	2.40	\$145.45	\$228.30

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.**