

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 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	Total
Malting Barley	1.92	Ton	\$210.83	\$404.80	\$49,385.60	\$49,385.60
Total Revenue				\$404.80	\$49,385.60	\$49,385.60
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
2, 4-D Amine 4	16	Ounce	\$0.14	\$2.24	\$273.28	\$273.28
Seed						
Malting Barley Seed	60	Pound	\$0.80	\$48.00	\$5,856.00	\$5,856.00
Fertilizer						
UAN(32% N)	2	CWT	\$12.00	\$24.00	\$2,928.00	\$2,928.00
Fertilizer 18-46-0	87	Pound	\$0.22	\$19.14	\$2,335.08	\$2,335.08
Custom						
Haul Barley	1.58	Ton	\$5.85	\$9.24	\$1,127.65	\$1,127.65
Miscellaneous						
Crop Insurance - M. Barley Irrigated	1	Acre	\$27.00	\$27.00	\$3,294.00	\$3,294.00
Miscellaneous Barley Overhead	1	Acre	\$4.00	\$4.00	\$488.00	\$488.00
Insecticide						
Lorsban 4E	1	Pint	\$5.03	\$5.03	\$613.66	\$613.66
Fungicides						
Quilt	10.5	Ounce	\$1.80	\$18.90	\$2,305.80	\$2,305.80
Other Labor						
Hand Labor	0.1167	Hour	\$8.50	\$0.99	\$121.02	\$121.02
Irrigation						
Energy Cost	390.00	kWh	\$0.17	\$66.30	\$8,088.60	\$8,088.60
Irrigation Labor	0.02	Hour	\$11.00	\$0.26	\$32.21	\$32.21
Machinery Labor						
Tractors/Self-Propelled	1.13	Hour	\$12.00	\$13.56	\$1,654.32	\$1,654.32
Diesel Fuel						
Tractors/Self-Propelled	8.01	Gallon	\$1.83	\$14.66	\$1,788.31	\$1,788.31
Gasoline						
Pickup/General Use Equipment	1	Acre	\$20.23	\$20.23	\$2,467.54	\$2,467.54
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37	\$590.37
Irrigation Equipment	1	Acre	\$4.06	\$4.06	\$494.83	\$494.83
Tractors/Self-Propelled	1	Acre	\$25.37	\$25.37	\$3,095.32	\$3,095.32
Implements	1	Acre	\$15.91	\$15.91	\$1,941.29	\$1,941.29
Interest on Credit Line			6.50%	\$8.49	\$1,035.82	\$1,035.82
Total Variable Costs				\$332.22	\$40,531.11	\$40,531.11
Planned Returns Above Variable Costs:				\$72.58	\$8,854.49	\$8,854.49
Breakeven Price to Cover Variable Costs			\$173.03	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85	\$3,074.85
Irrigation Equipment	1	Acre	\$34.75	\$34.75	\$4,239.44	\$4,239.44
Tractors/Self-Propelled	1	Acre	\$26.12	\$26.12	\$3,186.82	\$3,186.82
Implements	1	Acre	\$19.85	\$19.85	\$2,421.66	\$2,421.66
Equipment Investment						
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77	\$832.77
Irrigation Equipment	\$260.62	Dollars	6.50%	\$16.94	\$2,066.73	\$2,066.73
Tractors/Self-Propelled	\$198.88	Dollars	6.50%	\$12.93	\$1,577.14	\$1,577.14
Implements	\$93.59	Dollars	6.50%	\$6.08	\$742.16	\$742.16
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	\$6,100.00
Total Fixed Costs				\$198.70	\$24,241.57	\$24,241.57
Total Specified Costs				\$530.92	\$64,772.68	\$64,772.68
Returns Above Specified Costs				(\$126.12)	(\$15,387.08)	(\$15,387.08)
Breakeven Price to Cover Total Costs			\$276.52	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	1.44	\$230.71	\$368.70
90%	1.73	\$192.26	\$307.25
100%	1.92	\$173.03	\$276.52
110%	2.11	\$157.30	\$251.38
125%	2.40	\$138.43	\$221.22

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.