

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 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
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
Production Costs						
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	\$0.28	\$24.36	\$2,971.92
Custom						
	Haul Barley	1.58	Ton	\$5.85	\$9.24	\$1,127.65
Herbicide						
	2, 4-D Amine 4	16	Ounce	\$0.14	\$2.24	\$273.28
Insecticide						
	Lorsban 4E	1	Pint	\$5.25	\$5.25	\$640.50
Fungicides						
	Quilt	10.5	Ounce	\$1.80	\$18.90	\$2,305.80
Miscellaneous						
	Crop Insurance - M. Barley Irrigat	1	Acre	\$27.00	\$27.00	\$3,294.00
	Miscellaneous Barley Overhead	1	Acre	\$4.00	\$4.00	\$488.00
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	0.6188	Hour	\$12.00	\$7.43	\$905.92
Diesel Fuel						
	Tractors/Self-Propelled	5.472	Gallon	\$2.15	\$11.76	\$1,435.31
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$29.44	\$29.44	\$3,591.42
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$6.72	\$6.72	\$819.96
	Irrigation Equipment	1	Acre	\$4.14	\$4.14	\$505.08
	Tractors/Self-Propelled	1	Acre	\$3.06	\$3.06	\$373.32
	Implements	1	Acre	\$3.35	\$3.35	\$408.70
	Interest on Credit Line			6.50%	\$10.04	\$1,224.88
Total Variable Costs					\$313.50	\$38,246.55
Planned Returns Above Variable Costs:					\$262.50	\$32,025.45
Breakeven Price to Cover Variable Costs				\$163.28	Ton	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Total
Machinery Depreciation						
	Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85
	Irrigation Equipment	1	Acre	\$48.53	\$48.53	\$5,920.66
	Tractors/Self-Propelled	1	Acre	\$9.87	\$9.87	\$1,204.14
	Implements	1	Acre	\$4.06	\$4.06	\$495.32
Equipment Investment						
	Pickup/General Use Equipment	\$168.02	Dollars	6.50%	\$10.92	\$1,332.44
	Irrigation Equipment	\$727.97	Dollars	6.50%	\$47.32	\$5,772.80
	Tractors/Self-Propelled	\$112.13	Dollars	6.50%	\$7.29	\$889.19
	Implements	\$33.28	Dollars	6.50%	\$2.16	\$263.91
	Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs					\$205.35	\$25,053.31
Total Specified Costs					\$518.85	\$63,299.86
Returns Above Specified Costs					\$57.15	\$6,972.14
Breakeven Price to Cover Total Costs				\$270.24	Ton	

Example Breakeven Prices						
Example Yield Percent	Example Yield Ton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	1.44	\$217.71	\$217.71	\$360.31	\$360.31	\$0.00
90%	1.73	\$181.42	\$181.42	\$300.26	\$300.26	\$0.00
100%	1.92	\$163.28	\$163.28	\$270.24	\$270.24	\$0.00
110%	2.11	\$148.44	\$148.44	\$245.67	\$245.67	\$0.00
125%	2.40	\$130.62	\$130.62	\$216.19	\$216.19	\$0.00

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.