

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Irrigated Onions - 122 Acres
Southwest Extension District - 10

Crop Acres		122				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Onions		700.00	Bags	\$7.00	\$4,900.00	\$597,800.00
Total Revenue					\$4,900.00	\$597,800.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Onion Seed		2	Pound	\$60.00	\$120.00	\$14,640.00
Fertilizer						
UAN(32% N)		0.34	CWT	\$17.00	\$5.78	\$705.16
Fertilizer 18-46-0		217	Pound	\$0.25	\$54.25	\$6,618.50
N-32 in Water		156	Pound	\$0.17	\$26.52	\$3,235.44
Herbicide						
Prefar		6	Quart	\$17.50	\$105.00	\$12,810.00
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Insecticide						
Mustang Max		3	Ounce	\$1.44	\$4.31	\$525.21
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Fungicides						
Bravo		4.5	Pint	\$4.00	\$18.00	\$2,196.00
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Miscellaneous						
Miscellaneous Onion Overhead		1	Acre	\$4.00	\$4.00	\$488.00
Custom						
Harvest/Pack/Market Onions		700	Bag	\$4.02	\$2,814.00	\$343,308.00
Irrigation						
Energy or Water Cost		1085.98	kWh	\$0.18	\$195.48	\$23,848.03
Other Labor						
Hand Labor		4.375	Hour	\$10.00	\$43.75	\$5,337.50
Machinery Labor						
Tractors/Self-Propelled		1.69	Hour	\$12.00	\$20.28	\$2,474.16
Diesel Fuel						
Tractors/Self-Propelled		14.07	Gallon	\$2.85	\$40.10	\$4,892.14
Gasoline						
Pickup/General Use Equipment		1	Acre	\$65.86	\$65.86	\$8,034.92
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$13.44	\$13.44	\$1,639.68
Irrigation Equipment		1	Acre	\$11.28	\$11.28	\$1,376.16
Tractors/Self-Propelled		1	Acre	\$4.68	\$4.68	\$570.52
Implements		1	Acre	\$5.73	\$5.73	\$699.58
Interest on Credit Line				6.50%	\$25.91	\$3,161.61
Total Variable Costs					\$3,823.59	\$466,477.44
Planned Returns Above Variable Costs:					\$1,076.41	\$131,322.56
Breakeven Price to Cover Variable Costs				\$5.46	Bags	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Pickup/General Use Equipment		1	Acre	\$41.18	\$41.18	\$5,023.35
Irrigation Equipment		1	Acre	\$55.61	\$55.61	\$6,784.07
Tractors/Self-Propelled		1	Acre	\$20.34	\$20.34	\$2,481.52
Implements		1	Acre	\$6.62	\$6.62	\$807.86
Equipment Investment						
Pickup/General Use Equipment	\$274.50		Dollars	6.50%	\$17.84	\$2,176.79
Irrigation Equipment	\$834.11		Dollars	6.50%	\$54.22	\$6,614.47
Tractors/Self-Propelled	\$249.41		Dollars	6.50%	\$16.21	\$1,977.79
Implements	\$91.23		Dollars	6.50%	\$5.93	\$723.44
Irrigated Winter Garden Rent		1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs					\$267.94	\$32,689.27
Total Specified Costs					\$4,091.53	\$499,166.72
Returns Above Specified Costs					\$808.47	\$98,633.28
Breakeven Price to Cover Total Costs				\$5.85	Bags	

Example Breakeven Prices						
Example Yield Percent	Example Yield Bags	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share Tenant	Own/Rent	Share Tenant	Landlord
75%	525.00	\$7.28	\$7.28	\$7.79	\$7.79	\$0.00
90%	630.00	\$6.07	\$6.07	\$6.49	\$6.49	\$0.00
100%	700.00	\$5.46	\$5.46	\$5.85	\$5.85	\$0.00
110%	770.00	\$4.97	\$4.97	\$5.31	\$5.31	\$0.00
125%	875.00	\$4.37	\$4.37	\$4.68	\$4.68	\$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.