

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 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	Total
Production Costs					
Seed					
Onion Seed	2	Pound	\$60.00	\$120.00	\$14,640.00
Fertilizer					
UAN(32% N)	0.34	CWT	\$16.00	\$5.44	\$663.68
Fertilizer 18-46-0	217	Pound	\$0.28	\$60.76	\$7,412.72
N-32 in Water	156	Pound	\$0.17	\$26.52	\$3,235.44
Custom					
Harvest/Pack/Market Onions	700	Bag	\$4.02	\$2,814.00	\$343,308.00
Miscellaneous					
Miscellaneous Onion Overhead	1	Acre	\$4.00	\$4.00	\$488.00
Crop Insurance - Onions	1	Acre	\$476.00	\$476.00	\$58,072.00
Herbicide					
Prefar	18	Quart	\$17.50	\$315.00	\$38,430.00
Insecticide					
Mustang Max	15	Ounce	\$1.69	\$25.35	\$3,092.70
Fungicides					
Bravo	9	Pint	\$4.00	\$36.00	\$4,392.00
Other Labor					
Hand Labor	4.375	Hour	\$8.50	\$37.19	\$4,536.88
Irrigation					
Energy Cost	1560.00	kWh	\$0.17	\$265.20	\$32,354.40
Machinery					
Labor					
Tractors/Self-Propelled	2.27	Hour	\$12.00	\$27.24	\$3,323.28
Diesel Fuel					
Tractors/Self-Propelled	18.49	Gallon	\$2.15	\$39.75	\$4,849.93
Gasoline					
Pickup/General Use Equipment	1	Acre	\$65.86	\$65.86	\$8,034.92
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$10.98	\$10.98	\$1,339.56
Irrigation Equipment	1	Acre	\$16.20	\$16.20	\$1,976.80
Tractors/Self-Propelled	1	Acre	\$35.45	\$35.45	\$4,324.70
Implements	1	Acre	\$29.53	\$29.53	\$3,602.24
Interest on Credit Line			6.50%	\$48.18	\$5,878.15
Total Variable Costs				\$4,458.65	\$543,955.40
Planned Returns Above Variable Costs:				\$441.35	\$53,844.60
Breakeven Price to Cover Variable Costs			\$6.37	Bags	
FIXED COSTS	Quantity	Units	\$/Unit	Total	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	\$44.69	\$44.69	\$5,452.58
Implements	1	Acre	\$34.75	\$34.75	\$4,239.08
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	\$528.10	Dollars	6.50%	\$34.33	\$4,187.86
Implements	\$280.75	Dollars	6.50%	\$18.25	\$2,226.37
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$350.86	\$42,804.56
Total Specified Costs				\$4,809.51	\$586,759.96
Returns Above Specified Costs				\$90.49	\$11,040.04
Breakeven Price to Cover Total Costs			\$6.87	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	\$8.49	\$8.49	\$9.16	\$9.16	\$0.00
90%	630.00	\$7.08	\$7.08	\$7.63	\$7.63	\$0.00
100%	700.00	\$6.37	\$6.37	\$6.87	\$6.87	\$0.00
110%	770.00	\$5.79	\$5.79	\$6.25	\$6.25	\$0.00
125%	875.00	\$5.10	\$5.10	\$5.50	\$5.50	\$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.