

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 Estimated Costs and Returns per Acre**  
**Irrigated Onions - 122 Acres**  
**Southwest Extension District - 10**

Crop Acres		122					
REVENUE			Quantity	Units	\$/Unit	Total	Enterprise 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							
Herbicide							
Seed	Prefar	18	Quart	\$18.75		\$337.50	\$41,175.00
	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	\$0.27		\$58.59	\$7,147.98
	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	\$541.00		\$541.00	\$66,002.00
Insecticide							
	Mustang Max	15	Ounce	\$1.54		\$23.10	\$2,818.20
Fungicides							
	Bravo	9	Pint	\$5.63		\$50.67	\$6,181.74
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	18.09	Gallon	\$2.10		\$37.99	\$4,634.66
Gasoline							
	Pickup/General Use Equipment	1	Acre	\$65.86		\$65.86	\$8,034.92
Repairs & Maintenance							
	Pickup/General Use Equipment	1	Acre	\$7.91		\$7.91	\$964.48
	Irrigation Equipment	1	Acre	\$16.22		\$16.22	\$1,979.33
	Tractors/Self-Propelled	1	Acre	\$33.18		\$33.18	\$4,047.98
	Implements	1	Acre	\$29.53		\$29.53	\$3,602.24
	Interest on Credit Line			6.50%		\$50.65	\$6,179.68
Total Variable Costs						\$4,551.79	\$555,317.89
Planned Returns Above Variable Costs:						\$348.21	\$42,482.11
Breakeven Price to Cover Variable Costs						\$6.50	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	\$41.56		\$41.56	\$5,070.62
	Implements	1	Acre	\$34.75		\$34.75	\$4,239.08
Equipment Investment							
	Pickup/General Use Equipment	\$171.56	Dollars	6.50%		\$11.15	\$1,360.49
	Irrigation Equipment	\$417.05	Dollars	6.50%		\$27.11	\$3,307.23
	Tractors/Self-Propelled	\$323.43	Dollars	6.50%		\$21.02	\$2,564.81
	Implements	\$158.41	Dollars	6.50%		\$10.30	\$1,256.21
	Irrigated Winter Garden Rent	1	Acre	\$50.00		\$50.00	\$6,100.00
Total Fixed Costs						\$292.67	\$35,705.85
Total Specified Costs						\$4,844.46	\$591,023.74
Returns Above Specified Costs						\$55.54	\$6,776.26
Breakeven Price to Cover Total Costs						\$6.92	Bags

Example Breakeven Prices			
Example Yield Percent	Example Yield Bags	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	525.00	\$8.67	\$9.23
90%	630.00	\$7.23	\$7.69
100%	700.00	\$6.50	\$6.92
110%	770.00	\$5.91	\$6.29
125%	875.00	\$5.20	\$5.54

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.**