

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 Estimated Costs and Returns per Acre**  
**Irrigated Onions - 122 Acres**  
**Southwest Extension District - 10**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Onions	700.00	Bags	\$6.00	\$4,200.00	\$512,400.00	\$512,400.00
<b>Total Revenue</b>				<b>\$4,200.00</b>	<b>\$512,400.00</b>	<b>\$512,400.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Prefar	18	Quart	\$18.75	\$337.50	\$41,175.00	
Seed						
Onion Seed	2	Pound	\$60.00	\$120.00	\$14,640.00	
Fertilizer						
UAN(32% N)	0.34	CWT	\$12.00	\$4.08	\$497.76	
Fertilizer 18-46-0	217	Pound	\$0.22	\$47.74	\$5,824.28	
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						
Echo 720	9	Pint	\$3.63	\$32.67	\$3,985.74	
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	2.26	Hour	\$12.00	\$27.12	\$3,308.64	
Diesel Fuel						
Tractors/Self-Propelled	17.97	Gallon	\$1.83	\$32.89	\$4,011.98	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$33.04	\$33.04	\$4,031.20	
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	\$37.17	\$37.17	\$4,534.58	
Implements	1	Acre	\$29.71	\$29.71	\$3,624.39	
Interest on Credit Line			6.50%	\$49.81	\$6,077.40	
<b>Total Variable Costs</b>				<b>\$4,486.87</b>	<b>\$547,397.70</b>	
Planned Returns Above Variable Costs:				<b>(\$286.87)</b>	<b>(\$3,997.70)</b>	
Breakeven Price to Cover Variable Costs			\$6.41	Bags		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
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	\$44.77	\$44.77	\$5,461.76	
Implements	1	Acre	\$35.12	\$35.12	\$4,284.05	
<b>Equipment Investment</b>						
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	\$345.79	Dollars	6.50%	\$22.48	\$2,742.08	
Implements	\$162.73	Dollars	6.50%	\$10.58	\$1,290.46	
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00	
<b>Total Fixed Costs</b>				<b>\$297.98</b>	<b>\$36,353.50</b>	
<b>Total Specified Costs</b>				<b>\$4,784.85</b>	<b>\$583,751.20</b>	
Returns Above Specified Costs				<b>(\$584.85)</b>	<b>(\$71,351.20)</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$6.84</b>	<b>Bags</b>		

Example Breakeven Prices			
Example Yield Percent	Example Yield Bags	To Cover Variable Costs	To Cover Total Costs
75%	525.00	\$8.55	\$9.11
90%	630.00	\$7.12	\$7.59
100%	700.00	\$6.41	\$6.84
110%	770.00	\$5.83	\$6.21
125%	875.00	\$5.13	\$5.47

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.**