

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Irrigated Onions
Southwest Extension District - 10

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Onions		700.00	Bags	\$9.00	\$6,300.00	\$768,600.00
Total Revenue					\$6,300.00	\$768,600.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
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	\$17.00	\$5.78	\$705.16
Fertilizer 18-46-0		217	Pound	\$0.24	\$52.08	\$6,353.76
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		2.08	Hour	\$12.00	\$24.96	\$3,045.12
Other Labor		0.23	Hour	\$8.50	\$1.96	\$238.51
Diesel Fuel						
Tractors/Self-Propelled		17.76	Gallon	\$2.14	\$38.01	\$4,636.78
Gasoline						
Pickup/General Use Equipment		1	Acre	\$37.79	\$37.79	\$4,609.84
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	\$37.92	\$37.92	\$4,626.23
Implements		1	Acre	\$30.28	\$30.28	\$3,693.90
Interest on Credit Line				6.50%	\$51.53	\$6,286.17
Total Variable Costs					\$4,505.60	\$549,682.93
Planned Returns Above Variable Costs:					\$1,794.40	\$218,917.07
Breakeven Price to Cover Variable Costs				\$6.44	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	\$45.81	\$45.81	\$5,588.69
Implements		1	Acre	\$35.82	\$35.82	\$4,370.19
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		\$353.77	Dollars	6.50%	\$22.99	\$2,805.37
Implements		\$166.92	Dollars	6.50%	\$10.85	\$1,323.66
Irrigated Winter Garden Rent		1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs					\$300.52	\$36,663.06
Total Specified Costs					\$4,806.11	\$586,345.99
Returns Above Specified Costs					\$1,493.89	\$182,254.01
Breakeven Price to Cover Total Costs				\$6.87	Bags	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bags	To Cover Variable Costs	To Cover Total Costs
75%	525.00	\$8.58	\$9.15
90%	630.00	\$7.15	\$7.63
100%	700.00	\$6.44	\$6.87
110%	770.00	\$5.85	\$6.24
125%	875.00	\$5.15	\$5.49

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.