

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Irrigated Onions
Southwest Extension District - 10

Crop Acres		122				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
Onions		700.00	Bags	\$8.00	\$5,600.00	\$683,200.00
Total Revenue					\$5,600.00	\$683,200.00
VARIABLE COSTS						
Production Costs						
Herbicide						
Prefar		18	Quart	\$9.38	\$168.84	\$20,598.48
Seed						
Onion Seed		2	Pound	\$60.00	\$120.00	\$14,640.00
Fertilizer						
UAN(32% N)		0.34	CWT	\$13.00	\$4.42	\$539.24
Fertilizer 18-46-0		217	Pound	\$0.29	\$62.93	\$7,677.46
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	\$3.75	\$33.75	\$4,117.50
Other Labor						
Hand Labor		4,375	Hour	\$8.50	\$37.19	\$4,536.88
Irrigation						
Energy Cost		1584.00	kWh	\$0.17	\$269.28	\$32,852.16
Irrigation Labor		0.19	Hour	\$11.00	\$2.11	\$257.66
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		17.75	Gallon	\$2.99	\$53.07	\$6,474.85
Gasoline						
Pickup/General Use Equipment		1	Acre	\$45.69	\$45.69	\$5,574.25
Repairs & Maintenance						
Pickup/General Use Equipment		1	Acre	\$7.91	\$7.91	\$964.48
Irrigation Equipment		1	Acre	\$14.93	\$14.93	\$1,821.55
Tractors/Self-Propelled		1	Acre	\$38.44	\$38.44	\$4,689.92
Implements		1	Acre	\$29.85	\$29.85	\$3,642.26
Interest on Credit Line				6.50%	\$48.62	\$5,931.33
Total Variable Costs					\$4,372.57	\$533,453.29
Planned Returns Above Variable Costs:					\$1,227.43	\$149,746.71
Breakeven Price to Cover Variable Costs				\$6.25	Bags	
FIXED COSTS						
Machinery Depreciation						
Pickup/General Use Equipment		1	Acre	\$41.18	\$41.18	\$5,023.35
Irrigation Equipment		1	Acre	\$80.58	\$80.58	\$9,831.25
Tractors/Self-Propelled		1	Acre	\$46.48	\$46.48	\$5,670.00
Implements		1	Acre	\$35.46	\$35.46	\$4,325.74
Equipment Investment						
Pickup/General Use Equipment		\$171.56	Dollars	6.50%	\$11.15	\$1,360.49
Irrigation Equipment		\$646.00	Dollars	6.50%	\$41.99	\$5,122.81
Tractors/Self-Propelled		\$358.90	Dollars	6.50%	\$23.33	\$2,846.09
Implements		\$165.98	Dollars	6.50%	\$10.79	\$1,316.26
Irrigated Winter Garden Rent		1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs					\$340.95	\$41,596.00
Total Specified Costs					\$4,713.52	\$575,049.28
Returns Above Specified Costs					\$886.48	\$108,150.72
Breakeven Price to Cover Total Costs				\$6.73	Bags	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bags	To Cover Variable Costs	To Cover Total Costs
75%	525.00	\$8.33	\$8.98
90%	630.00	\$6.94	\$7.48
100%	700.00	\$6.25	\$6.73
110%	770.00	\$5.68	\$6.12
125%	875.00	\$5.00	\$5.39

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.