

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 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		\$10.00	\$7,000.00	\$854,000.00
Total Revenue					\$7,000.00	\$854,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Herbicide						
Prefar	18	Quart		\$17.18	\$309.15	\$37,716.30
Seed						
Onion Seed	2	Pound		\$310.50	\$621.00	\$75,762.00
Fertilizer						
UAN(32% N)	0.34	CWT		\$12.95	\$4.40	\$537.17
Fertilizer 18-46-0	217	Pound		\$0.25	\$53.17	\$6,486.13
N-32 in Water	156	Pound		\$0.13	\$20.20	\$2,464.64
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		\$1.37	\$20.59	\$2,511.96
Fungicides						
Echo 720	9	Pint		\$5.70	\$51.30	\$6,258.60
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	2.1	Hour		\$12.00	\$25.20	\$3,074.40
Other Labor	0.23	Hour		\$8.50	\$1.96	\$238.51
Diesel Fuel						
Tractors/Self-Propelled	17.94	Gallon		\$2.49	\$44.67	\$5,449.81
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		\$14.93	\$14.93	\$1,821.55
Tractors/Self-Propelled	1	Acre		\$42.29	\$42.29	\$5,159.59
Implements	1	Acre		\$30.33	\$30.33	\$3,700.47
Interest on Credit Line				6.50%	\$70.35	\$8,582.52
Total Variable Costs					\$5,022.81	\$612,782.68
Planned Returns Above Variable Costs:					\$1,977.19	\$241,217.32
Breakeven Price to Cover Variable Costs				\$7.18	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		\$80.58	\$80.58	\$9,831.25
Tractors/Self-Propelled	1	Acre		\$51.37	\$51.37	\$6,266.90
Implements	1	Acre		\$36.05	\$36.05	\$4,398.65
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	\$396.59	Dollars		6.50%	\$25.78	\$3,144.97
Implements	\$169.13	Dollars		6.50%	\$10.99	\$1,341.18
Irrigated Winter Garden Rent	1	Acre		\$50.00	\$50.00	\$6,100.00
Total Fixed Costs					\$349.10	\$42,589.61
Total Specified Costs					\$5,371.90	\$655,372.29
Returns Above Specified Costs					\$1,628.10	\$198,627.71
Breakeven Price to Cover Total Costs				\$7.67	Bags	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bags	To Cover Variable Costs	To Cover Total Costs
75%	525.00	\$9.57	\$10.23
90%	630.00	\$7.97	\$8.53
100%	700.00	\$7.18	\$7.67
110%	770.00	\$6.52	\$6.98
125%	875.00	\$5.74	\$6.14

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.