

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Spring Onions, Furrow Irrigated - 122 Acres
Far West Extension District - 6

Crop Acres		122			
				Total	Enterprise Total
REVENUE					
Spring Onions	Quantity	Units	\$/Unit	Total	Enterprise Total
	650.00	Bag	\$7.00	\$4,550.00	\$555,100.00
Total Revenue				\$4,550.00	\$555,100.00
VARIABLE COSTS					
				Total	Enterprise Total
Production Costs					
Herbicide					
Seed	Quantity	Units	\$/Unit	Total	Enterprise Total
Glyphosate	2	Pint	\$2.00	\$4.00	\$488.00
Onion Seed	1.5	Pound	\$60.00	\$90.00	\$10,980.00
Fertilizer					
Fertilizer 18-46-0	100	Pound	\$0.27	\$27.00	\$3,294.00
N-32 in Water	100	Pound	\$0.17	\$17.00	\$2,074.00
Custom					
Custom Apply Fertilizer	1	Acre	\$4.00	\$4.00	\$488.00
Harvest, Pack, Market Onions	650	Bag	\$4.02	\$2,613.00	\$318,786.00
Insecticide					
Mustang Max	31	Ounce	\$1.54	\$47.74	\$5,824.28
Fungicides					
Quadris	19	Ounce	\$2.46	\$46.74	\$5,702.28
Irrigation					
Energy Cost	2425.52	kWh	\$0.17	\$412.34	\$50,305.28
Irrigation Labor	7.64	Hour	\$11.00	\$84.02	\$10,250.73
Machinery Labor					
Tractors/Self-Propelled	1.86	Hour	\$12.00	\$22.32	\$2,723.04
Diesel Fuel					
Tractors/Self-Propelled	17.56	Gallon	\$2.10	\$36.88	\$4,498.87
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.43	\$6.43	\$784.80
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20
Irrigation Equipment	1	Acre	\$5.58	\$5.58	\$680.60
Tractors/Self-Propelled	1	Acre	\$33.12	\$33.12	\$4,041.08
Implements	1	Acre	\$21.08	\$21.08	\$2,571.74
Interest on Credit Line			6.50%	\$35.22	\$4,296.42
Total Variable Costs				\$3,508.08	\$427,985.32
Planned Returns Above Variable Costs:				\$1,041.92	\$127,114.68
Breakeven Price to Cover Variable Costs				\$5.40	Bag
FIXED COSTS					
				Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75
Irrigation Equipment	1	Acre	\$21.58	\$21.58	\$2,633.33
Tractors/Self-Propelled	1	Acre	\$34.23	\$34.23	\$4,175.78
Implements	1	Acre	\$24.82	\$24.82	\$3,027.63
Equipment Investment					
Pickup/General Use Equipment	\$25.13	Dollars	6.50%	\$1.63	\$199.27
Irrigation Equipment	\$161.89	Dollars	6.50%	\$10.52	\$1,283.75
Tractors/Self-Propelled	\$266.64	Dollars	6.50%	\$17.33	\$2,114.49
Implements	\$106.16	Dollars	6.50%	\$6.90	\$841.85
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
Total Fixed Costs				\$163.05	\$19,891.85
Total Specified Costs				\$3,671.12	\$447,877.17
Returns Above Specified Costs				\$878.88	\$107,222.83
Breakeven Price to Cover Total Costs				\$5.65	Bag

Example Breakeven Prices			
Example Yield Percent	Example Yield Bag	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	487.50	\$7.20	\$7.53
90%	585.00	\$6.00	\$6.28
100%	650.00	\$5.40	\$5.65
110%	715.00	\$4.91	\$5.13
125%	812.50	\$4.32	\$4.52

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.