

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Spring Onions, Furrow Irrigated - 122 Acres
Far West Extension District - 6

Crop Acres		122				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
Spring Onions		650.00	Bag	\$6.00	\$3,900.00	\$475,800.00
Total Revenue					\$3,900.00	\$475,800.00
VARIABLE COSTS						
		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Herbicide						
Seed	Glyphosate	2	Pint	\$1.37	\$2.74	\$334.28
Seed	Onion Seed	1.5	Pound	\$60.00	\$90.00	\$10,980.00
Fertilizer						
	Fertilizer 18-46-0	100	Pound	\$0.22	\$22.00	\$2,684.00
	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	\$12.00	\$91.66	\$11,182.62
Machinery Labor						
	Tractors/Self-Propelled	2.26	Hour	\$12.00	\$27.12	\$3,308.64
Diesel Fuel						
	Tractors/Self-Propelled	19.67	Gallon	\$1.83	\$36.00	\$4,391.52
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$6.72	\$6.72	\$820.12
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	\$41.74	\$41.74	\$5,092.42
	Implements	1	Acre	\$25.82	\$25.82	\$3,150.60
	Interest on Credit Line			6.50%	\$35.62	\$4,345.10
Total Variable Costs					\$3,527.43	\$430,345.94
Planned Returns Above Variable Costs:					\$372.57	\$45,454.06
Breakeven Price to Cover Variable Costs				\$5.43	Bag	
FIXED COSTS						
		Quantity	Units	\$/Unit	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	\$43.13	\$43.13	\$5,262.17
	Implements	1	Acre	\$30.86	\$30.86	\$3,764.37
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	\$336.02	Dollars	6.50%	\$21.84	\$2,664.61
	Implements	\$131.99	Dollars	6.50%	\$8.58	\$1,046.71
	Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
Total Fixed Costs					\$184.18	\$22,469.96
Total Specified Costs					\$3,711.61	\$452,815.90
Returns Above Specified Costs					\$188.39	\$22,984.10
Breakeven Price to Cover Total Costs				\$5.71	Bag	

Example Breakeven Prices			
Example Yield Percent	Example Yield Bag	To Cover Variable Costs	To Cover Total Costs
75%	487.50	\$7.24	\$7.61
90%	585.00	\$6.03	\$6.34
100%	650.00	\$5.43	\$5.71
110%	715.00	\$4.93	\$5.19
125%	812.50	\$4.34	\$4.57

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.