

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Spring Onions, Furrow Irrigated - 122 Acres
Far West Extension District - 6

Crop Acres		122		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Spring Onions	650.00	Bag	\$7.00	\$4,550.00	\$555,100.00
Total Revenue				\$4,550.00	\$555,100.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Seed					
Onion Seed	1.5	Pound	\$60.00	\$90.00	\$10,980.00
Fertilizer					
Fertilizer 18-46-0	100	Pound	\$0.25	\$25.00	\$3,050.00
N-32 in Water	50	Pound	\$0.17	\$8.50	\$1,037.00
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Herbicide					
Glyphosate	2	Pint	\$2.25	\$4.50	\$549.00
Insecticide					
Mustanf Max	4	Ounce	\$1.43	\$5.72	\$697.84
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Mustanf Max	15	Ounce	\$1.43	\$21.45	\$2,616.90
Fungicides					
Quadris	15	Ounce	\$2.38	\$35.70	\$4,355.40
Quadris	4	Ounce	\$2.38	\$9.52	\$1,161.44
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
Irrigation					
Energy or Water Cost	2425.51	kWh	\$0.18	\$436.59	\$53,264.19
Irrigation Labor	7.64	Hour	\$11.00	\$84.02	\$10,250.46
Machinery Labor					
Tractors/Self-Propelled	1.64	Hour	\$12.00	\$19.68	\$2,400.96
Diesel Fuel					
Tractors/Self-Propelled	14.33	Gallon	\$2.85	\$40.84	\$4,982.54
Gasoline					
Pickup/General Use Equipment	1	Acre	\$7.88	\$7.88	\$961.38
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20
Irrigation Equipment	1	Acre	\$5.51	\$5.51	\$672.31
Tractors/Self-Propelled	1	Acre	\$4.65	\$4.65	\$566.78
Implements	1	Acre	\$6.97	\$6.97	\$850.38
Interest on Credit Line			6.50%	\$18.69	\$2,280.40
Total Variable Costs				\$3,469.49	\$423,277.70
Planned Returns Above Variable Costs:				\$1,080.51	\$131,822.30
Breakeven Price to Cover Variable Costs			\$5.34	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	\$20.01	\$20.01	\$2,441.29
Implements	1	Acre	\$7.75	\$7.75	\$945.58
Equipment Investment					
Pickup/General Use Equipment	\$40.20	Dollars	6.50%	\$2.61	\$318.83
Irrigation Equipment	\$323.77	Dollars	6.50%	\$21.05	\$2,567.50
Tractors/Self-Propelled	\$247.77	Dollars	6.50%	\$16.11	\$1,964.84
Implements	\$113.79	Dollars	6.50%	\$7.40	\$902.36
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
Total Fixed Costs				\$142.54	\$17,389.47
Total Specified Costs				\$3,612.03	\$440,667.17
Returns Above Specified Costs				\$937.97	\$114,432.83
Breakeven Price to Cover Total Costs			\$5.56	Bag	

Example Breakeven Prices						
Example Yield Percent	Example Yield Bag	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share/Tenant	Own/Rent	Share/Tenant	Landlord
75%	487.50	\$7.12	\$7.12	\$7.41	\$7.41	\$0.00
90%	585.00	\$5.93	\$5.93	\$6.17	\$6.17	\$0.00
100%	650.00	\$5.34	\$5.34	\$5.56	\$5.56	\$0.00
110%	715.00	\$4.85	\$4.85	\$5.05	\$5.05	\$0.00
125%	812.50	\$4.27	\$4.27	\$4.45	\$4.45	\$0.00

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.