

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Onion, Hybrid Yellow Varieties, Furrow Irrigated, Rio Grande Valley - 100 Acres
South Extension District - 12

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Onions, Yellow	900.00	Sack	\$7.00	\$6,300.00	\$630,000.00	\$630,000.00
Total Revenue				\$6,300.00	\$630,000.00	\$630,000.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Prefar 4E	2.75	Quart	\$18.31	\$50.35	\$5,035.25	
Goaltender	0.0625	Gallon	\$155.56	\$9.72	\$972.25	
Trifluralin 4EC	1	Pint	\$3.47	\$3.47	\$347.00	
Seed						
Onion Seed	1.5	Unit	\$266.00	\$399.00	\$39,900.00	
Fertilizer						
Fertilizer 10-34-0	2	CWT	\$32.50	\$65.00	\$6,500.00	
Micronutrients	7	Quart	\$45.00	\$315.00	\$31,500.00	
UAN (32% N)	0.78	CWT	\$14.00	\$10.92	\$1,092.00	
Custom						
Harvest Onions	900	Bag	\$1.75	\$1,575.00	\$157,500.00	
Drying Onions	900	Bag	\$0.44	\$396.00	\$39,600.00	
Pack and Count Onions	900	Bag	\$1.60	\$1,440.00	\$144,000.00	
Sales Consignment Onions	900	Bag	\$0.55	\$495.00	\$49,500.00	
Insecticide						
Lorsban 4E	1.75	Pint	\$6.11	\$10.69	\$1,069.25	
Diazinon AG500	1	Pint	\$6.13	\$6.13	\$613.00	
Karate	9.6	Ounce	\$1.72	\$16.51	\$1,651.20	
Fungicides						
Dithane F-45	2	Quart	\$7.83	\$15.66	\$1,566.00	
Rovral 4f	3	Pint	\$14.15	\$42.45	\$4,245.00	
Ridomil Gold SC	80	Ounce	\$0.86	\$68.80	\$6,880.00	
Bravo Ultrex	2	Pound	\$6.93	\$13.86	\$1,386.00	
Other Labor						
Unallocated Labor	0.1527	Hour	\$12.00	\$1.83	\$183.24	
Irrigation						
Water Cost	2.80	Acre/Foot	\$20.00	\$56.00	\$5,600.00	
Irrigation Labor	7.40	Hour	\$12.00	\$88.80	\$8,880.00	
Machinery Labor						
Tractors/Self-Propelled	2.56	Hour	\$12.00	\$30.72	\$3,072.00	
Diesel Fuel						
Tractors/Self-Propelled	14.71	Gallon	\$2.10	\$30.89	\$3,089.10	
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$30.81	\$30.81	\$3,080.76	
Implements	1	Acre	\$16.65	\$16.65	\$1,664.54	
Interest on Credit Line			5.00%	\$23.70	\$2,369.56	
Total Variable Costs				\$5,212.96	\$521,296.15	
Planned Returns Above Variable Costs:				\$1,087.04	\$108,703.85	
Breakeven Price to Cover Variable Costs			\$5.79	Sack		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$31.57	\$31.57	\$3,157.21	
Implements	1	Acre	\$19.59	\$19.59	\$1,959.38	
Equipment Investment						
Tractors/Self-Propelled	\$245.96	Dollars	7.00%	\$17.22	\$1,721.70	
Implements	\$94.76	Dollars	7.00%	\$6.63	\$663.29	
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$11,000.00	
Total Fixed Costs				\$185.02	\$18,501.57	
Total Specified Costs				\$5,397.98	\$539,797.72	
Returns Above Specified Costs				\$902.02	\$90,202.28	
Breakeven Price to Cover Total Costs			\$6.00	Sack		

Example Breakeven Prices			
Example Yield Percent	Example Yield Sack	To Cover Variable Costs	To Cover Total Costs
75%	675.00	\$7.72	\$8.00
90%	810.00	\$6.44	\$6.66
100%	900.00	\$5.79	\$6.00
110%	990.00	\$5.27	\$5.45
125%	1125.00	\$4.63	\$4.80

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgrLife Extension, 956-968-5581.

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.