

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 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	Enterprise 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 Total
Production Costs						
Herbicide						
Prefar 4E	2.75	Quart	\$18.31	\$50.35	\$5,035.25	\$5,035.25
Trifluralin 4EC	1	Pint	\$3.47	\$3.47	\$347.00	\$347.00
Goaltender	0.0625	Gallon	\$155.56	\$9.72	\$972.25	\$972.25
Seed						
Onion Seed	1.5	Unit	\$266.00	\$399.00	\$39,900.00	\$39,900.00
Fertilizer						
Fertilizer 10-34-0	2	CWT	\$32.50	\$65.00	\$6,500.00	\$6,500.00
UAN (32% N)	0.78	CWT	\$14.00	\$10.92	\$1,092.00	\$1,092.00
Micronutrients	7	Quart	\$45.00	\$315.00	\$31,500.00	\$31,500.00
Custom						
Harvest Onions	900	Bag	\$1.75	\$1,575.00	\$157,500.00	\$157,500.00
Drying Onions	900	Bag	\$0.44	\$396.00	\$39,600.00	\$39,600.00
Pack and Count Onions	900	Bag	\$1.60	\$1,440.00	\$144,000.00	\$144,000.00
Sales Consignment Onions	900	Bag	\$0.55	\$495.00	\$49,500.00	\$49,500.00
Insecticide						
Lorsban 4E	1.75	Pint	\$6.11	\$10.69	\$1,069.25	\$1,069.25
Diazinon AG500	1	Pint	\$6.13	\$6.13	\$613.00	\$613.00
Karate	9.6	Ounce	\$1.72	\$16.51	\$1,651.20	\$1,651.20
Fungicides						
Dithane F-45	2	Quart	\$7.83	\$15.66	\$1,566.00	\$1,566.00
Rovral 4f	3	Pint	\$14.15	\$42.45	\$4,245.00	\$4,245.00
Bravo Ultrex	2	Pound	\$6.93	\$13.86	\$1,386.00	\$1,386.00
Ridomil Gold SC	80	Ounce	\$0.86	\$68.80	\$6,880.00	\$6,880.00
Other Labor						
Unallocated Labor	0.1527	Hour	\$12.00	\$1.83	\$183.24	\$183.24
Irrigation						
Water Cost	2.80	Acre/Foot	\$20.00	\$56.00	\$5,600.00	\$5,600.00
Irrigation Labor	7.40	Hour	\$12.00	\$88.80	\$8,880.00	\$8,880.00
Machinery Labor						
Tractors/Self-Propelled	2.59	Hour	\$12.00	\$31.08	\$3,108.00	\$3,108.00
Diesel Fuel						
Tractors/Self-Propelled	14.85	Gallon	\$2.10	\$31.19	\$3,118.50	\$3,118.50
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$27.54	\$27.54	\$2,753.53	\$2,753.53
Implements	1	Acre	\$17.94	\$17.94	\$1,793.75	\$1,793.75
Interest on Credit Line			5.00%	\$23.65	\$2,365.35	\$2,365.35
Total Variable Costs				\$5,211.59	\$521,159.32	\$521,159.32
Planned Returns Above Variable Costs:				\$1,088.41	\$108,840.68	\$108,840.68
Breakeven Price to Cover Variable Costs			\$5.79	Sack		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise Total
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$28.22	\$28.22	\$2,821.74	\$2,821.74
Implements	1	Acre	\$20.59	\$20.59	\$2,058.65	\$2,058.65
Equipment Investment						
Tractors/Self-Propelled	\$219.82	Dollars	7.00%	\$15.39	\$1,538.76	\$1,538.76
Implements	\$101.94	Dollars	7.00%	\$7.14	\$713.59	\$713.59
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$11,000.00	\$11,000.00
Total Fixed Costs				\$181.33	\$18,132.73	\$18,132.73
Total Specified Costs				\$5,392.92	\$539,292.05	\$539,292.05
Returns Above Specified Costs				\$907.08	\$90,707.95	\$90,707.95
Breakeven Price to Cover Total Costs			\$5.99	Sack		

Example Breakeven Prices			
Example Yield Percent	Example Yield Sack	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	675.00	\$7.72	\$7.99
90%	810.00	\$6.43	\$6.66
100%	900.00	\$5.79	\$5.99
110%	990.00	\$5.26	\$5.45
125%	1125.00	\$4.63	\$4.79

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