

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2019 Estimated Costs and Returns per Acre**  
**Onion, Hybrid Yellow Varieties, Furrow Irrigated, Rio Grande Valley**  
**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
<b>Total Revenue</b>				<b>\$6,300.00</b>	<b>\$630,000.00</b>	<b>\$630,000.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
<b>Herbicide</b>						
Prefar 4E	2.75	Quart	\$19.26	\$52.97	\$5,297.08	
Goaltender	0.0625	Gallon	\$163.65	\$10.23	\$1,022.81	
Trifluralin 4EC	1	Pint	\$3.65	\$3.65	\$365.04	
<b>Seed</b>						
Onion Seed	1.5	Unit	\$264.03	\$396.05	\$39,604.74	
<b>Fertilizer</b>						
Fertilizer 10-34-0	2	CWT	\$35.00	\$70.01	\$7,000.50	
Micronutrients	7	Quart	\$48.47	\$339.26	\$33,925.50	
UAN (32% N)	0.78	CWT	\$15.25	\$11.90	\$1,189.50	
<b>Custom</b>						
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	
<b>Insecticide</b>						
Lorsban 4E	1.75	Pint	\$6.35	\$11.12	\$1,112.02	
Diazinon AG500	1	Pint	\$6.38	\$6.38	\$637.52	
Karate	9.6	Ounce	\$1.79	\$17.17	\$1,717.25	
<b>Fungicides</b>						
Dithane F-45	2	Quart	\$8.14	\$16.29	\$1,628.64	
Rovral 4f	3	Pint	\$14.72	\$44.15	\$4,414.80	
Ridomil Gold SC	80	Ounce	\$0.89	\$71.55	\$7,155.20	
Bravo Ultrex	2	Pound	\$7.21	\$14.41	\$1,441.44	
<b>Other Labor</b>						
Unallocated Labor	0.1527	Hour	\$12.00	\$1.83	\$183.24	
<b>Irrigation</b>						
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	
<b>Machinery Labor</b>						
Tractors/Self-Propelled	2.56	Hour	\$12.00	\$30.72	\$3,072.00	
<b>Diesel Fuel</b>						
Tractors/Self-Propelled	14.71	Gallon	\$2.30	\$33.83	\$3,383.30	
<b>Repairs &amp; Maintenance</b>						
Tractors/Self-Propelled	1	Acre	\$31.01	\$31.01	\$3,101.10	
Implements	1	Acre	\$18.26	\$18.26	\$1,826.47	
Interest on Credit Line			5.00%	\$24.95	\$2,494.89	
<b>Total Variable Costs</b>				<b>\$4,761.53</b>	<b>\$476,153.03</b>	
<b>Planned Returns Above Variable Costs:</b>				\$1,538.47	\$153,846.97	
Breakeven Price to Cover Variable Costs			\$5.29	Sack		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Tractors/Self-Propelled	1	Acre	\$31.80	\$31.80	\$3,179.68	
Implements	1	Acre	\$21.20	\$21.20	\$2,120.36	
<b>Equipment Investment</b>						
Tractors/Self-Propelled	\$247.71	Dollars	7.00%	\$17.34	\$1,733.95	
Implements	\$97.14	Dollars	7.00%	\$6.80	\$679.96	
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$11,000.00	
<b>Total Fixed Costs</b>				<b>\$187.14</b>	<b>\$18,713.95</b>	
<b>Total Specified Costs</b>				<b>\$4,948.67</b>	<b>\$494,866.98</b>	
<b>Returns Above Specified Costs</b>				\$1,351.33	\$135,133.02	
<b>Breakeven Price to Cover Total Costs</b>			\$5.50	Sack		

Example Breakeven Prices			
Example Yield Percent	Example Yield Sack	To Cover Variable Costs	To Cover Total Costs
75%	675.00	\$7.05	\$7.33
90%	810.00	\$5.88	\$6.11
100%	900.00	\$5.29	\$5.50
110%	990.00	\$4.81	\$5.00
125%	1125.00	\$4.23	\$4.40

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