

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 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
Onions, Yellow		750.00	Sack	\$10.00	\$7,500.00	\$750,000.00
Total Revenue					\$7,500.00	\$750,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Herbicide						
	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
Seed						
	Onion Seed	100	Thousand	\$4.00	\$400.00	\$40,000.00
Fertilizer						
	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)	3.12	CWT	\$15.25	\$47.58	\$4,758.00
Custom						
	Harvest Onions	750	Bag	\$2.00	\$1,500.00	\$150,000.00
	Drying Onions	750	Bag	\$0.50	\$375.00	\$37,500.00
	Pack and Count Onions	750	Bag	\$2.00	\$1,500.00	\$150,000.00
Insecticide						
	Lorsban 4E	1.75	Pint	\$6.35	\$11.12	\$1,112.02
	Diazinon AG500	1	Ounce	\$1.58	\$1.58	\$158.00
	Karate	9.6	Ounce	\$1.79	\$17.17	\$1,717.25
Fungicides						
	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
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	\$2.30	\$33.83	\$3,383.30
Repairs & Maintenance						
	Tractors/Self-Propelled	1	Acre	\$32.43	\$32.43	\$3,243.39
	Implements	1	Acre	\$19.47	\$19.47	\$1,946.83
	Interest on Credit Line			5.00%	\$25.49	\$2,549.21
Total Variable Costs					\$4,763.54	\$476,354.25
Planned Returns Above Variable Costs:					\$2,736.46	\$273,645.75
Breakeven Price to Cover Variable Costs				\$6.35	Sack	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Tractors/Self-Propelled	1	Acre	\$33.26	\$33.26	\$3,326.05
	Implements	1	Acre	\$22.63	\$22.63	\$2,262.55
Equipment Investment						
	Tractors/Self-Propelled	\$259.11	Dollars	7.00%	\$18.14	\$1,813.77
	Implements	\$104.28	Dollars	7.00%	\$7.30	\$729.95
	Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$11,000.00
Total Fixed Costs					\$191.32	\$19,132.31
Total Specified Costs					\$4,954.87	\$495,486.56
Returns Above Specified Costs					\$2,545.13	\$254,513.44
Breakeven Price to Cover Total Costs				\$6.61	Sack	

Example Breakeven Prices					
Example Yield Percent	Example Yield Sack	To Cover Variable Costs	To Cover Total Costs		
75%	562.50	\$8.47	\$8.81		
90%	675.00	\$7.06	\$7.34		
100%	750.00	\$6.35	\$6.61		
110%	825.00	\$5.77	\$6.01		
125%	937.50	\$5.08	\$5.29		

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.**