

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2014 Estimated Costs and Returns per Acre**  
**Onion, Hybrid Yellow Varieties, Furrow Irrigated, Rio Grande Valley - 100 Acres**  
**South Extension District - 12**

Crop Acres		100			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Onions, Yellow	900.00	Sack	\$8.00	\$7,200.00	\$720,000.00
<b>Total Revenue</b>				<b>\$7,200.00</b>	<b>\$720,000.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
<b>Seed</b>					
Onion Seed	1.5	Unit	\$266.00	\$399.00	\$39,900.00
<b>Fertilizer</b>					
Fertilizer 10-34-0	2	CWT	\$35.00	\$70.00	\$7,000.00
Foligro	1	Quart	\$37.00	\$37.00	\$3,700.00
Foligro	1	Quart	\$37.00	\$37.00	\$3,700.00
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Foligro	1	Quart	\$37.00	\$37.00	\$3,700.00
UAN (32% N)	0.78	CWT	\$25.27	\$19.71	\$1,971.06
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<b>Herbicide</b>					
Prefar 4E	2.75	Quart	\$16.91	\$46.50	\$4,650.25
Goal 2XL	0.1	Gallon	\$70.01	\$7.00	\$700.10
Trifluralin 4EC	1	Pint	\$8.99	\$8.99	\$899.00
<b>Insecticide</b>					
Lorsban 4E	1.75	Pint	\$4.76	\$8.33	\$833.00
Diazinon AG500	1	Pint	\$5.63	\$5.63	\$563.00
Karate	3.2	Ounce	\$3.15	\$10.08	\$1,008.00
Karate	3.2	Ounce	\$3.15	\$10.08	\$1,008.00
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<b>Fungicides</b>					
Dithane F-45	1	Quart	\$8.17	\$8.17	\$817.00
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Rovral 4f	1.5	Pint	\$17.72	\$26.58	\$2,658.00
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Ridomil Gold	4	Ounce	\$6.22	\$24.88	\$2,488.00
Bravo Ultrex	1	Quart	\$10.96	\$10.96	\$1,096.00
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Ridomil Gold	4	Ounce	\$6.22	\$24.88	\$2,488.00
<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
Sales Consignment Onions	900	Bag	\$0.55	\$495.00	\$49,500.00
<b>Irrigation</b>					
Energy or Water Cost	2.80	Acre/Foot	\$20.00	\$56.00	\$5,600.00
Irrigation Labor	7.40	Hour	\$9.00	\$66.60	\$6,660.00
<b>Other Labor</b>					
Unallocated Labor	0.1527	Hour	\$9.00	\$1.37	\$137.43
<b>Machinery Labor</b>					
Tractors/Self-Propelled	2.22	Hour	\$9.00	\$19.98	\$1,998.00
<b>Diesel Fuel</b>					
Tractors/Self-Propelled	12.74	Gallon	\$3.25	\$41.41	\$4,140.50
<b>Repairs &amp; Maintenance</b>					
Tractors/Self-Propelled	1	Acre	\$10.71	\$10.71	\$1,070.57
Implements	1	Acre	\$8.90	\$8.90	\$889.87
Interest on Credit Line			9.00%	\$40.61	\$4,061.17
<b>Total Variable Costs</b>				<b>\$5,147.16</b>	<b>\$514,715.95</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$2,052.84</b>	<b>\$205,284.05</b>
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$5.72</b>	<b>Sack</b>	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Machinery Depreciation</b>					
Tractors/Self-Propelled	1	Acre	\$16.75	\$16.75	\$1,674.54
Implements	1	Acre	\$11.28	\$11.28	\$1,128.30
<b>Equipment Investment</b>					
Tractors/Self-Propelled	\$247.67	Dollars	9.00%	\$22.29	\$2,229.05
Implements	\$116.81	Dollars	9.00%	\$10.51	\$1,051.33
Cash Rent, Irrigated Vegetables	1	Acre	\$110.00	\$110.00	\$11,000.00
<b>Total Fixed Costs</b>				<b>\$170.83</b>	<b>\$17,083.21</b>
<b>Total Specified Costs</b>				<b>\$5,317.99</b>	<b>\$531,799.16</b>
<b>Returns Above Specified Costs</b>				<b>\$1,882.01</b>	<b>\$188,200.84</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$5.91</b>	<b>Sack</b>	

Example Breakeven Prices						
Example Yield Percent	Example Yield Sack	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	675.00	\$7.63	\$7.63	\$7.88	\$7.88	\$0.00
90%	810.00	\$6.35	\$6.35	\$6.57	\$6.57	\$0.00
100%	900.00	\$5.72	\$5.72	\$5.91	\$5.91	\$0.00
110%	990.00	\$5.20	\$5.20	\$5.37	\$5.37	\$0.00
125%	1125.00	\$4.58	\$4.58	\$4.73	\$4.73	\$0.00

Developed by Luis Ribera, 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.**