

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2015 Estimated Costs and Returns per Acre**  
**Oranges, Valencias, Mature Orchard, Flood Irrigated, Rio Grande Valley - 100 Acres**  
**South Extension District - 12**

Crop Acres		100				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Oranges (Valencias)		18.00	Ton	\$150.00	\$2,700.00	\$270,000.00
Total Revenue					\$2,700.00	\$270,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Fertilizer						
Ammonium Sulfate (21% N)		7.14	CWT	\$18.60	\$132.80	\$13,280.40
Custom						
Custom Fertilize Citrus		2	Acre	\$4.40	\$8.80	\$880.00
Hedging or Topping		0.5	Acre	\$66.00	\$33.00	\$3,300.00
Custom Orchard Spray		4	Acre	\$38.50	\$154.00	\$15,400.00
Spot Herbicide Spray		1	Application	\$24.00	\$24.00	\$2,400.00
Herbicide						
Simazine 4L		1.25	Gallon	\$25.36	\$31.70	\$3,170.00
Krovar I 80 DF		3	Pound	\$14.25	\$42.75	\$4,275.00
Insecticide						
Vydate		0.0625	Gallon	\$113.93	\$7.12	\$712.06
Vendex		6	Pound	\$19.23	\$115.38	\$11,538.00
Lorsban 4E		8	Pint	\$5.63	\$45.04	\$4,504.00
Citrus Oil		5	Gallon	\$4.30	\$21.50	\$2,150.00
Agri-Mek		0.1	Gallon	\$129.23	\$12.92	\$1,292.30
Other Chemicals						
Surfactant - Citrus		2	Pint	\$3.60	\$7.20	\$720.00
Miscellaneous						
Insurance, Established Oranges		1	Acre	\$85.00	\$85.00	\$8,500.00
Other Labor						
Unallocated Labor		0.0122	Hour	\$9.00	\$0.11	\$10.98
Irrigation						
Water Cost		1.60	Acre/Foot	\$20.00	\$32.00	\$3,200.00
Irrigation Labor		4.00	Hour	\$9.00	\$36.00	\$3,600.00
Machinery Labor						
Tractors/Self-Propelled		0.24	Hour	\$9.00	\$2.16	\$216.00
Diesel Fuel						
Tractors/Self-Propelled		1.21	Gallon	\$3.00	\$3.63	\$363.00
Repairs & Maintenance						
Tractors/Self-Propelled		1	Acre	\$2.33	\$2.33	\$232.91
Implements		1	Acre	\$0.35	\$0.35	\$34.77
Interest on Credit Line				9.00%	\$40.56	\$4,056.04
Total Variable Costs					\$838.35	\$83,835.46
Planned Returns Above Variable Costs:					\$1,861.65	\$186,164.54
Breakeven Price to Cover Variable Costs				\$46.58	Ton	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Tractors/Self-Propelled		1	Acre	\$2.41	\$2.41	\$240.67
Implements		1	Acre	\$0.31	\$0.31	\$31.29
Equipment Investment						
Tractors/Self-Propelled		\$27.17	Dollars	9.00%	\$2.45	\$244.55
Implements		\$2.43	Dollars	9.00%	\$0.22	\$21.90
Allocated Establishment Cost		1	Acre	\$254.04	\$254.04	\$25,404.00
Land Cost, Orchard		1	Acre	\$120.00	\$120.00	\$12,000.00
Total Fixed Costs					\$379.42	\$37,942.42
Total Specified Costs					\$1,217.78	\$121,777.88
Returns Above Specified Costs					\$1,482.22	\$148,222.12
Breakeven Price to Cover Total Costs				\$67.65	Ton	

Example Breakeven Prices						
Example Yield Percent	Example Yield Ton	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share/Tenant	Own/Rent	Share/Tenant	Landlord
75%	13.50	\$62.10	\$62.10	\$90.21	\$90.21	\$0.00
90%	16.20	\$51.75	\$51.75	\$75.17	\$75.17	\$0.00
100%	18.00	\$46.58	\$46.58	\$67.65	\$67.65	\$0.00
110%	19.80	\$42.34	\$42.34	\$61.50	\$61.50	\$0.00
125%	22.50	\$37.26	\$37.26	\$54.12	\$54.12	\$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.**