

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 Estimated Costs and Returns per Acre**  
**Grapefruit, Year 1, Orchard Establishment, Flood Irrigated, Rio Grande Valley - 100 Acres**  
**South Extension District - 12**

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		Total
Total Revenue				\$0.00		\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Production Costs						Total
Herbicide						
Simazine 4L	1.25	Gallon	\$20.40	\$25.50		\$2,550.00
Krovar I 80 DF	3	Pound	\$14.88	\$44.64		\$4,464.00
Seed						
Young Citrus Trees	140	Tree	\$15.00	\$2,100.00		\$210,000.00
Fertilizer						
Ammonium Sulfate (21% N)	0.858	CWT	\$18.25	\$15.66		\$1,565.85
Custom						
Land Prep and Level	1	Acre	\$165.00	\$165.00		\$16,500.00
Layout and Plant	140	Tree	\$1.38	\$193.20		\$19,320.00
Custom Fertilize Citrus	3	Acre	\$4.40	\$13.20		\$1,320.00
Tree Wrap/Unwrap	140	Tree	\$1.10	\$154.00		\$15,400.00
Miscellaneous						
Insurance, Grapefruit, Year 1	1	Acre	\$40.00	\$40.00		\$4,000.00
Tree Wraps	140	Tree	\$1.10	\$154.00		\$15,400.00
Insecticide						
Admire Pro	0.875	Pint	\$26.67	\$23.34		\$2,333.63
Provado	20	Ounce	\$1.03	\$20.60		\$2,060.00
Other Labor						
Unallocated Labor	0.0112	Hour	\$12.00	\$0.13		\$13.44
Irrigation						
Water Cost	2.40	Acre/Foot	\$20.00	\$48.00		\$4,800.00
Irrigation Labor	6.00	Hour	\$12.00	\$72.00		\$7,200.00
Machinery Labor						
Tractors/Self-Propelled	0.24	Hour	\$12.00	\$2.88		\$288.00
Diesel Fuel						
Tractors/Self-Propelled	1.21	Gallon	\$2.10	\$2.54		\$254.10
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			5.00%	\$122.94		\$12,294.40
Total Variable Costs				\$3,200.31		\$320,031.09
Planned Returns Above Variable Costs:						
Breakeven Price to Cover Variable Costs			n/a	(\$3,200.31)		(\$320,031.09)
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Machinery Depreciation						Total
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	\$18.75	Dollars	7.00%	\$1.31		\$131.24
Implements	\$1.34	Dollars	7.00%	\$0.09		\$9.37
Allocated Establishment Cost	1	Acre	\$45.00	\$45.00		\$4,500.00
Land Cost, Orchard	1	Acre	\$120.00	\$120.00		\$12,000.00
Total Fixed Costs				\$169.13		\$16,912.58
Total Specified Costs				\$3,369.44		\$336,943.67
Returns Above Specified Costs				(\$3,369.44)		(\$336,943.67)
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield Percent	Example Yield	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00

Developed by Samuel Zapata, Assistant 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.**