

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 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						
Seed						
Young Citrus Trees	140	Tree	\$12.00	\$1,680.00		\$168,000.00
Fertilizer						
Ammonium Sulfate (21% N)	0.286	CWT	\$20.70	\$5.92		\$592.02
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Herbicide						
Simazine 4L	1.25	Gallon	\$22.88	\$28.60		\$2,860.00
Krovar I 80 DF	3	Pound	\$13.50	\$40.50		\$4,050.00
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
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	1	Acre	\$4.40	\$4.40		\$440.00
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Tree Wrap/Unwrap	140	Tree	\$1.10	\$154.00		\$15,400.00
Irrigation						
Energy or Water Cost	2.40	Acre/Foot	\$20.00	\$48.00		\$4,800.00
Irrigation Labor	6.00	Hour	\$9.00	\$54.00		\$5,400.00
Other Labor						
Unallocated Labor	0.0112	Hour	\$9.00	\$0.10		\$10.08
Machinery Labor						
Tractors/Self-Propelled	0.18	Hour	\$9.00	\$1.62		\$162.00
Diesel Fuel						
Tractors/Self-Propelled	0.94	Gallon	\$3.25	\$3.06		\$305.50
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$0.65	\$0.65		\$64.72
Implements	1	Acre	\$0.28	\$0.28		\$27.67
Interest on Credit Line			9.00%	\$183.46		\$18,345.89
Total Variable Costs				\$2,777.42		\$277,741.92
Planned Returns Above Variable Costs:				(\$2,777.42)		(\$277,741.92)
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS						
	Quantity	Units	\$/Unit	Total		Enterprise
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$1.08	\$1.08		\$107.87
Implements	1	Acre	\$0.28	\$0.28		\$27.67
Equipment Investment						
Tractors/Self-Propelled	\$15.10	Dollars	9.00%	\$1.36		\$135.91
Implements	\$2.21	Dollars	9.00%	\$0.20		\$19.92
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				\$167.91		\$16,791.37
Total Specified Costs				\$2,945.33		\$294,533.29
Returns Above Specified Costs				(\$2,945.33)		(\$294,533.29)
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices						
Example Yield Percent	Example Yield	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share/Tenant	Own/Rent	Share/Tenant	Landlord
75%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$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.