

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Grapefruit, Year 2, Orchard Establishment, Flood Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Total Revenue				\$0.00		\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	Total
Production Costs						
Herbicide						
Simazine 4L	1.25	Gallon	\$21.46	\$26.83		\$2,682.60
Krovax I 80 DF	3	Pound	\$15.65	\$46.96		\$4,696.13
Roundup/Glyphosate	3.4	Gallon	\$20.00	\$68.00		\$6,800.00
Fertilizer						
Urea (46%)	1.25	CTW	\$21.80	\$27.25		\$2,725.00
Foliar Zn	0.67	Pound	\$0.80	\$0.54		\$53.60
Foliar 18-8-5	1.32	Gallon	\$15.50	\$20.46		\$2,046.00
Custom						
Foliar Application	2	Acre	\$42.00	\$84.00		\$8,400.00
Sucker (Yr 1-3 Year)	1	Acre	\$45.00	\$45.00		\$4,500.00
Miscellaneous						
Insurance, Grapefruit	1	Acre	\$49.50	\$49.50		\$4,950.00
Citrus Assessment	1	Acre	\$45.00	\$45.00		\$4,500.00
Insecticide						
Sivanto	10	Ounce	\$2.30	\$23.00		\$2,300.00
Danitol	16	Ounce	\$1.58	\$25.28		\$2,528.00
Other Chemicals						
Surfactant - Citrus	8.28	Pint	\$8.00	\$66.24		\$6,624.00
Other Labor						
Unallocated Labor	1	Hour	\$12.00	\$12.00		\$1,200.00
Custom Soil Fert. Citrus	6	Hour	\$12.00	\$72.00		\$7,200.00
Seed						
Young Citrus Trees	3	Tree	\$10.00	\$30.00		\$3,000.00
Layout and Plant	3	Tree	\$5.00	\$15.00		\$1,500.00
Tree Wrap/Unwrap	3	Tree	\$2.00	\$6.00		\$600.00
Irrigation						
Water Cost	4.00	Acre/Foot	\$20.00	\$80.00		\$8,000.00
Irrigation Labor	14.00	Hour	\$12.00	\$168.00		\$16,800.00
Machinery Labor						
Tractors/Self-Propelled	0.36	Hour	\$12.00	\$4.32		\$432.00
Other Labor	0.18	Hour	\$12.00	\$2.16		\$216.00
Diesel Fuel						
Tractors/Self-Propelled	3.66	Gallon	\$2.30	\$8.42		\$841.80
Repairs & Maintenance						
Tractors/Self-Propelled	1	Acre	\$8.09	\$8.09		\$808.83
Implements	1	Acre	\$2.68	\$2.68		\$268.47
Interest on Credit Line			5.00%	\$28.05		\$2,804.88
Total Variable Costs				\$964.77		\$96,477.30
Planned Returns Above Variable Costs:				(\$964.77)		(\$96,477.30)
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	Total
Machinery Depreciation						
Tractors/Self-Propelled	1	Acre	\$8.36	\$8.36		\$835.79
Implements	1	Acre	\$2.87	\$2.87		\$286.91
Equipment Investment						
Tractors/Self-Propelled	\$65.11	Dollars	7.00%	\$4.56		\$455.77
Implements	\$12.27	Dollars	7.00%	\$0.86		\$85.91
Land Cost, Orchard	1	Acre	\$100.00	\$100.00		\$10,000.00
Total Fixed Costs				\$116.64		\$11,664.39
Total Specified Costs				\$1,081.42		\$108,141.69
Returns Above Specified Costs				(\$1,081.42)		(\$108,141.69)
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield Percent	Example Yield	To Cover Variable Costs	To Cover 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, 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.