

**2022 Estimated Costs and Returns per Acre
Grapefruit, Year 3, Orchard Establishment, Flood Irrigated, Rio Grande Valley
South Extension District - 12**

Crop Acres		100				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Grapefruit (Rio Red)		3.00	Ton	\$298.25	\$894.75	\$89,475.00
Total Revenue					\$894.75	\$89,475.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Custom						
Foliar Application		7	Acre	\$50.00	\$350.00	\$35,000.00
Sucker (Yr 1-3 Year)		1	Acre	\$50.00	\$50.00	\$5,000.00
Fertilizer						
Urea (46%)		2.5	CTW	\$44.75	\$111.88	\$11,187.50
Foliar 3-18-18		1	Gallon	\$34.00	\$34.00	\$3,400.00
Foliar Zn		2	Pound	\$3.50	\$7.00	\$699.96
Foliar 18-8-5		2	Gallon	\$15.50	\$31.00	\$3,100.00
Foliar N		5	Pound	\$0.61	\$3.05	\$305.00
Herbicide						
Simazine 4L		1.25	Gallon	\$38.00	\$47.50	\$4,750.00
Krovar I 80 DF		3	Pound	\$17.68	\$53.04	\$5,304.00
Glyphosate		20	Pint	\$6.25	\$125.00	\$12,500.00
Seed						
Young Citrus Trees		3	Tree	\$15.00	\$45.00	\$4,500.00
Layout and Plant		3	Tree	\$5.00	\$15.00	\$1,500.00
Removal Citrus		3	Tree	\$25.00	\$75.00	\$7,500.00
Treatment Removed citrus		3	Tree	\$5.00	\$15.00	\$1,500.00
Tree Wrap/Unwrap		3	Tree	\$2.00	\$6.00	\$600.00
Other Labor						
Costum Soil Fert. Citrus		6	Hour	\$15.00	\$90.00	\$9,000.00
Unallocated Labor		1	Hour	\$15.00	\$15.00	\$1,500.00
Insecticide						
Movento		30	Ounce	\$7.79	\$233.66	\$23,366.02
Micromite		18.85	Ounce	\$1.63	\$30.78	\$3,077.85
Vendex		8	Pound	\$60.69	\$485.52	\$48,552.00
Agri-Mek SC		0.32	Gallon	\$89.95	\$28.78	\$2,878.40
Actara		11	Ounce	\$4.33	\$47.65	\$4,764.83
Sivanto		10	Ounce	\$3.28	\$32.81	\$3,280.86
Esteem		10	Ounce	\$13.00	\$130.00	\$13,000.00
Danitol		16	Ounce	\$1.01	\$16.13	\$1,612.50
Admire Pro		0.44	Pint	\$26.28	\$11.56	\$1,156.32
Miscellaneous						
Citrus Assessment		1	Acre	\$5.00	\$5.00	\$500.00
Insurance, Young citrus trees		150	Tree	\$0.22	\$33.00	\$3,300.00
Other Chemicals						
Surfactant		7.41	Pint	\$7.48	\$55.39	\$5,538.98
Fungicides						
Quadris Top		10	Ounce	\$1.56	\$15.62	\$1,562.11
GEM		3.8	Ounce	\$8.12	\$30.87	\$3,086.91
Headline		24	Ounce	\$1.86	\$44.63	\$4,462.50
Pristine		16	Ounce	\$3.29	\$52.66	\$5,266.00
Irrigation						
Water Cost		4.00	Acre/Foot	\$21.00	\$84.00	\$8,400.00
Irrigation Labor		14.00	Hour	\$15.00	\$210.00	\$21,000.00
Machinery Labor						
Tractors/Self-Propelled		0.8	Hour	\$15.00	\$12.00	\$1,200.00
Other Labor		0.4	Hour	\$15.00	\$6.00	\$600.00
Diesel Fuel						
Tractors/Self-Propelled		3.66	Gallon	\$3.07	\$11.24	\$1,123.62
Repairs & Maintenance						
Tractors/Self-Propelled		1	Acre	\$8.79	\$8.79	\$878.51
Implements		1	Acre	\$2.86	\$2.86	\$285.70
Interest on Credit Line				5.00%	\$70.32	\$7,032.46
Total Variable Costs					\$2,732.72	\$273,272.02
Planned Returns Above Variable Costs:					(\$1,837.97)	(\$183,797.02)
Breakeven Price to Cover Variable Costs					\$910.91	Ton
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
Tractors/Self-Propelled		1	Acre	\$9.08	\$9.08	\$907.80
Implements		1	Acre	\$3.05	\$3.05	\$304.75
Equipment Investment						
Tractors/Self-Propelled		\$70.72	Dollars	7.00%	\$4.95	\$495.04
Implements		\$13.04	Dollars	7.00%	\$0.91	\$91.26
Allocated Establishment Cost		1	Acre	\$137.92	\$137.92	\$13,792.46
Land Cost, Orchard		1	Acre	\$100.00	\$100.00	\$10,000.00
Total Fixed Costs					\$255.91	\$25,591.30
Total Specified Costs					\$2,988.63	\$298,863.32
Returns Above Specified Costs					(\$2,093.88)	(\$209,388.32)
Breakeven Price to Cover Total Costs					\$996.21	Ton

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.