

2021 Estimated Costs and Returns per Acre
Grapefruit, Year 1, Orchard Establishment, Flood Irrigated, Rio Grande Valley
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
Seed						
	Young Citrus Trees	150	Tree	\$10.00	\$1,500.00	\$150,000.00
	Layout and Plant	150	Tree	\$5.00	\$750.00	\$75,000.00
	Tree Wrap/Unwrap	150	Tree	\$2.00	\$300.00	\$30,000.00
Fertilizer						
	Urea (46%)	0.62	CTW	\$22.02	\$13.65	\$1,365.02
	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
Herbicide						
	Simazine 4L	1.25	Gallon	\$29.70	\$37.13	\$3,712.50
	Krovar I 80 DF	3	Pound	\$14.09	\$42.28	\$4,227.50
	Glyphosate	20	Pint	\$3.01	\$60.15	\$6,015.00
Insecticide						
	Sivanto	10	Ounce	\$3.28	\$32.81	\$3,280.86
	Danitol	16	Ounce	\$1.58	\$25.28	\$2,528.00
Miscellaneous						
	Citrus Assessment	1	Acre	\$25.00	\$25.00	\$2,500.00
	Insurance, Grapefruit	1	Acre	\$25.96	\$25.96	\$2,596.06
Custom						
	Land Prep. Remove Old Orchard	1	Acre	\$378.00	\$378.00	\$37,800.00
	Citrus Land Prep: Ripping	1	Acre	\$300.00	\$300.00	\$30,000.00
	Citrus Land Prep: Disk	1	Acre	\$75.00	\$75.00	\$7,500.00
	Citrus Land Prep: Level	1	Acre	\$86.00	\$86.00	\$8,600.00
	Foliar Application	2	Acre	\$45.00	\$90.00	\$9,000.00
	Sucker (Yr 1-3 Year)	1	Acre	\$45.00	\$45.00	\$4,500.00
Other Labor						
	Costum Soil Fert. Citrus	6	Hour	\$12.00	\$72.00	\$7,200.00
	Unallocated Labor	1	Hour	\$12.00	\$12.00	\$1,200.00
Other Chemicals						
	Surfactant - Citrus	8.28	Pint	\$8.00	\$66.24	\$6,624.00
Irrigation						
	Water Cost	1.56	Acre/Foot	\$20.00	\$31.20	\$3,120.00
	Irrigation Labor	13.00	Hour	\$12.00	\$156.00	\$15,600.00
Machinery Labor						
	Tractors/Self-Propelled	0.8	Hour	\$12.00	\$9.60	\$960.00
	Other Labor	0.4	Hour	\$12.00	\$4.80	\$480.00
Diesel Fuel						
	Tractors/Self-Propelled	3.66	Gallon	\$2.00	\$7.32	\$732.00
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%	\$177.38	\$17,737.55
Total Variable Costs					\$4,355.42	\$435,542.30
Planned Returns Above Variable Costs:					(\$4,355.42)	(\$435,542.30)
Breakeven Price to Cover Variable Costs				n/a		
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise
Machinery Depreciation						Total
	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
	Land Cost, Orchard	1	Acre	\$100.00	\$100.00	\$10,000.00
Total Fixed Costs					\$117.99	\$11,798.84
Total Specified Costs					\$4,473.41	\$447,341.14
Returns Above Specified Costs					(\$4,473.41)	(\$447,341.14)
Breakeven Price to Cover Total Costs				n/a		

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension, 956-968-5581.
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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.