

**2023 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	
<b>Production Costs</b>						
Seed						
Young Citrus Trees	150	Tree	\$15.00	\$2,250.00	\$225,000.00	
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	\$44.75	\$27.75	\$2,774.50	
Foliar Zn	0.67	Pound	\$3.50	\$2.34	\$234.49	
Foliar 18-8-5	1.32	Gallon	\$15.50	\$20.46	\$2,046.00	
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	
Insecticide						
Sivanto	10	Ounce	\$3.28	\$32.81	\$3,280.86	
Danitol	16	Ounce	\$1.01	\$16.13	\$1,612.50	
Miscellaneous						
Citrus Assessment	1	Acre	\$5.00	\$5.00	\$500.00	
Insurance, Young citrus trees	150	Tree	\$0.22	\$33.00	\$3,300.00	
Custom						
Citrus Land Prep: Disk	1	Acre	\$35.00	\$35.00	\$3,500.00	
Citrus Land Prep: Level	1	Acre	\$40.00	\$40.00	\$4,000.00	
Foliar Application	2	Acre	\$50.00	\$100.00	\$10,000.00	
Sucker (Yr 1-3 Year)	1	Acre	\$50.00	\$50.00	\$5,000.00	
Land Prep. Remove Old Orchard	1	Acre	\$378.00	\$378.00	\$37,800.00	
Citrus Land Prep: Root chisel	1	Acre	\$35.00	\$35.00	\$3,500.00	
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	
Other Chemicals						
Surfactant	8.28	Pint	\$7.48	\$61.89	\$6,189.30	
Irrigation						
Water Cost	1.56	Acre/Foot	\$28.82	\$44.96	\$4,496.00	
Irrigation Labor	13.00	Hour	\$17.50	\$227.50	\$22,750.00	
Machinery Labor						
Tractors/Self-Propelled	0.8	Hour	\$17.21	\$13.77	\$1,376.80	
Other Labor	0.4	Hour	\$17.21	\$6.88	\$688.40	
Diesel Fuel						
Tractors/Self-Propelled	3.66	Gallon	\$2.24	\$8.20	\$819.84	
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			8.00%	\$313.69	\$31,368.84	
Total Variable Costs				<u>\$5,094.56</u>	<u>\$509,455.74</u>	
Planned Returns Above Variable Costs:				(\$5,094.56)	(\$509,455.74)	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
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	8.00%	\$5.66	\$565.76	
Implements	\$13.04	Dollars	8.00%	\$1.04	\$104.29	
Land Cost, Orchard	1	Acre	\$100.00	\$100.00	\$10,000.00	
Total Fixed Costs				<u>\$118.83</u>	<u>\$11,882.60</u>	
Total Specified Costs				<u>\$5,213.38</u>	<u>\$521,338.34</u>	
Returns Above Specified Costs				(\$5,213.38)	(\$521,338.34)	
Breakeven Price to Cover Total Costs			n/a			

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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.**