

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2025 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	Enterprise
Total Revenue				\$0.00		\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
<b>Seed</b>						
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
<b>Fertilizer</b>						
Urea (46%)	0.62	CTW	\$26.10	\$16.18		\$1,618.20
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
<b>Herbicide</b>						
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
<b>Insecticide</b>						
Sivanto	10	Ounce	\$3.28	\$32.81		\$3,280.86
Danitol	16	Ounce	\$1.01	\$16.13		\$1,612.50
<b>Miscellaneous</b>						
Citrus Assessment	1	Acre	\$5.00	\$5.00		\$500.00
Insurance, Young citrus trees	150	Tree	\$0.22	\$33.00		\$3,300.00
<b>Custom</b>						
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
<b>Other Labor</b>						
Custom Soil Fert. Citrus	6	Hour	\$15.00	\$90.00		\$9,000.00
Unallocated Labor	1	Hour	\$15.00	\$15.00		\$1,500.00
<b>Other Chemicals</b>						
Surfactant	8.28	Pint	\$7.48	\$61.89		\$6,189.30
<b>Irrigation</b>						
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
<b>Machinery Labor</b>						
Tractors/Self-Propelled	0.8	Hour	\$17.21	\$13.77		\$1,376.80
Other Labor	0.4	Hour	\$17.21	\$6.88		\$688.40
<b>Diesel Fuel</b>						
Tractors/Self-Propelled	3.66	Gallon	\$3.60	\$13.18		\$1,317.60
<b>Repairs &amp; Maintenance</b>						
Tractors/Self-Propelled	1	Acre	\$8.79	\$8.79		\$878.51
Implements	1	Acre	\$2.86	\$2.86		\$285.70
Interest on Credit Line			8.50%	\$332.56		\$33,255.70
Total Variable Costs				\$5,106.84		\$510,684.06
Planned Returns Above Variable Costs:				(\$5,106.84)		(\$510,684.06)
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Tractors/Self-Propelled	1	Acre	\$9.08	\$9.08		\$907.80
Implements	1	Acre	\$3.05	\$3.05		\$304.75
<b>Equipment Investment</b>						
Tractors/Self-Propelled	\$70.72	Dollars	8.50%	\$6.01		\$601.12
Implements	\$13.04	Dollars	8.50%	\$1.11		\$110.81
Land Cost, Orchard	1	Acre	\$100.00	\$100.00		\$10,000.00
Total Fixed Costs				\$119.24		\$11,924.48
Total Specified Costs				\$5,226.09		\$522,608.54
Returns Above Specified Costs				(\$5,226.09)		(\$522,608.54)
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield	Example Yield	To Cover Variable Costs	To Cover Total Costs
Percent		Costs	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 Manuel Garcia, Assistant Professor and Extension Specialist, Texas A&M AgriLife Extension, 956-968-5581  
0

**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.**