

Projections for Planning Purposes Only – Not to be Used without Updating
2025 Estimated Costs and Returns per Acre
Grapefruit, Year 8, Orchard Establishment, Flood Irrigated, Rio Grande Valley
South Extension District - 12

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grapefruit (Rio Red)	20.00	Ton	\$492.47	\$9,849.41	\$9,849.41	\$984,941.18
Total Revenue				\$9,849.41		\$984,941.18
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Topping and Hedging	1	Acre	\$120.00	\$120.00		\$12,000.00
Foliar Application	7	Acre	\$50.00	\$350.00		\$35,000.00
Fertilizer						
Urea (46%)	2.5	CTW	\$26.10	\$65.25		\$6,525.00
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
Insecticide						
Movento	30	Ounce	\$7.79	\$233.66		\$23,366.02
Micromite	18.8	Ounce	\$1.63	\$30.70		\$3,069.69
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	\$9.92	\$99.19		\$9,919.00
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, Grapefruit	1	Acre	\$128.67	\$128.67		\$12,866.63
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 Chemicals						
Surfactant	7.98	Pint	\$7.48	\$59.65		\$5,965.05
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
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	\$17.50	\$245.00		\$24,500.00
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	\$3.60	\$13.18		\$1,317.60
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			8.50%	\$129.41		\$12,940.63
Total Variable Costs				\$2,923.80		\$292,380.41
Planned Returns Above Variable Costs:				\$6,925.61		\$692,560.76
Breakeven Price to Cover Variable Costs			\$146.19	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	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	8.50%	\$6.01		\$601.12
Implements	\$13.04	Dollars	8.50%	\$1.11		\$110.81
Allocated Establishment Cost	1	Acre	\$142.40	\$142.40		\$14,239.95
Land Cost, Orchard	1	Acre	\$100.00	\$100.00		\$10,000.00
Total Fixed Costs				\$261.64		\$26,164.43
Total Specified Costs				\$3,185.45		\$318,544.84
Returns Above Specified Costs				\$6,663.96		\$666,396.34
Breakeven Price to Cover Total Costs			\$159.27	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	15.00	\$194.92	\$212.36
90%	18.00	\$162.43	\$176.97
100%	20.00	\$146.19	\$159.27
110%	22.00	\$132.90	\$144.79
125%	25.00	\$116.95	\$127.42

Developed by Manuel Garcia, Assistant Professor and Extension Specialist, 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.