

**2024 Estimated Costs and Returns per Acre
Grapefruit, Year 8, Orchard Establishment, Flood Irrigated, Rio Grande Valley
South Extension District - 12**

Crop Acres		100			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Grapefruit (Rio Red)	20.00	Ton	\$298.25	\$5,965.00	\$596,500.00
Total Revenue				\$5,965.00	\$596,500.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
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	\$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
Insecticide					
Monto	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					
Custom 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			8.00%	\$124.38	\$12,438.17
Total Variable Costs				\$2,965.40	\$296,540.45
Planned Returns Above Variable Costs:				\$2,999.60	\$299,959.55
Breakeven Price to Cover Variable Costs			\$148.27	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	8.00%	\$5.66	\$565.76
Implements	\$13.04	Dollars	8.00%	\$1.04	\$104.29
Allocated Establishment Cost	1	Acre	\$142.71	\$142.71	\$14,270.58
Land Cost, Orchard	1	Acre	\$100.00	\$100.00	\$10,000.00
Total Fixed Costs				\$261.53	\$26,153.18
Total Specified Costs				\$3,226.94	\$322,693.63
Returns Above Specified Costs				\$2,738.06	\$273,806.37
Breakeven Price to Cover Total Costs			\$161.35	Ton	

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

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.