

Projections for Planning Purposes Only -- Not to be Used without Updating
2025 Estimated Costs and Returns per Acre
Grapefruit, Year 4, 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)	6.00	Ton	\$492.47	\$2,954.82	\$295,482.35	\$295,482.35
Total Revenue				\$2,954.82	\$295,482.35	\$295,482.35
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Foliar Application	7	Acre	\$50.00	\$350.00	\$35,000.00	
Prune (Yr 3-6 Year)	1	Acre	\$60.00	\$60.00	\$6,000.00	
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	\$13.00	\$130.00	\$13,000.00	
Danitol	16	Ounce	\$1.01	\$16.13	\$1,612.50	
Admire Pro	0.44	Pint	\$26.28	\$11.56	\$1,156.32	
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 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	
Miscellaneous						
Citrus Assessment	1	Acre	\$5.00	\$5.00	\$500.00	
Insurance, Grapefruit	1	Acre	\$128.67	\$128.67	\$12,866.63	
Other Chemicals						
Surfactant	7.98	Pint	\$7.48	\$59.65	\$5,965.05	
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%	\$125.04	\$12,504.46	
Total Variable Costs				\$2,890.25	\$289,025.24	
Planned Returns Above Variable Costs:				\$64.57	\$6,457.11	
Breakeven Price to Cover Variable Costs			\$481.71	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				\$3,151.90	\$315,189.67	
Returns Above Specified Costs				(\$197.07)	(\$19,707.31)	
Breakeven Price to Cover Total Costs			\$525.32	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	4.50	\$642.28	\$700.42
90%	5.40	\$535.23	\$583.68
100%	6.00	\$481.71	\$525.32
110%	6.60	\$437.92	\$477.56
125%	7.50	\$385.37	\$420.25

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.