

Projections for Planning Purposes Only -- Not to be Used without Updating
2025 Estimated Costs and Returns per Acre
Grapefruit, Year 5, Orchard Establishment, Flood Irrigated, Rio Grande Valley
South Extension District - 12

| Crop Acres | | 100 | | | | Enterprise |
|--|----------|-----------|-----------------|-------------------|--|---------------------|
| REVENUE | Quantity | Units | \$/Unit | Total | | Total |
| Grapefruit (Rio Red) | 9.00 | Ton | \$492.47 | \$4,432.24 | | \$443,223.53 |
| Total Revenue | | | | \$4,432.24 | | \$443,223.53 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | | Enterprise |
| Production Costs | | | | | | |
| Custom | | | | | | |
| Foliar Application Prune (Yr 3-6 Year) | 7 | Acre | \$50.00 | \$350.00 | | \$35,000.00 |
| Fertilizer | | | | | | |
| Urea (46%) | 1 | Acre | \$60.00 | \$60.00 | | \$6,000.00 |
| Foliar 3-18-18 | 2.5 | CTW | \$26.10 | \$65.25 | | \$6,525.00 |
| Foliar Zn | 1 | Gallon | \$34.00 | \$34.00 | | \$3,400.00 |
| Foliar 18-8-5 | 2 | Pound | \$3.50 | \$7.00 | | \$699.96 |
| Foliar N | 2 | Gallon | \$15.50 | \$31.00 | | \$3,100.00 |
| Herbicide | | | | | | |
| Simazine 4L | 5 | Pound | \$0.61 | \$3.05 | | \$305.00 |
| Krovar I 80 DF | 1.25 | Gallon | \$38.00 | \$47.50 | | \$4,750.00 |
| Glyphosate | 3 | Pound | \$17.68 | \$53.04 | | \$5,304.00 |
| Insecticide | | | | | | |
| Movento | 20 | Pint | \$6.25 | \$125.00 | | \$12,500.00 |
| Micromite | 30 | Ounce | \$7.79 | \$233.66 | | \$23,366.02 |
| Vendex | 18.8 | Ounce | \$1.63 | \$30.70 | | \$3,069.69 |
| Agri-Mek SC | 8 | Pound | \$60.69 | \$485.52 | | \$48,552.00 |
| Actara | 0.32 | Gallon | \$89.95 | \$28.78 | | \$2,878.40 |
| Sivanto | 11 | Ounce | \$4.33 | \$47.65 | | \$4,764.83 |
| Danitol | 10 | Ounce | \$3.28 | \$32.81 | | \$3,280.86 |
| Admire Pro | 16 | Ounce | \$1.01 | \$16.13 | | \$1,612.50 |
| Esteem | 0.44 | Pint | \$26.28 | \$11.56 | | \$1,156.32 |
| Miscellaneous | | | | | | |
| Citrus Assessment | 10 | Ounce | \$9.92 | \$99.19 | | \$9,919.00 |
| Insurance, Grapefruit | 1 | Acre | \$5.00 | \$5.00 | | \$500.00 |
| Seed | | | | | | |
| Young Citrus Trees | 1 | Acre | \$128.67 | \$128.67 | | \$12,866.63 |
| Layout and Plant | 3 | Tree | \$15.00 | \$45.00 | | \$4,500.00 |
| Removal Citrus | 3 | Tree | \$5.00 | \$15.00 | | \$1,500.00 |
| Treatment Removed citrus | 3 | Tree | \$25.00 | \$75.00 | | \$7,500.00 |
| Tree Wrap/Unwrap | 3 | Tree | \$5.00 | \$15.00 | | \$1,500.00 |
| Other Labor | | | | | | |
| Costum Soil Fert. Citrus | 3 | Tree | \$2.00 | \$6.00 | | \$600.00 |
| Unallocated Labor | 6 | Hour | \$15.00 | \$90.00 | | \$9,000.00 |
| Other Chemicals | | | | | | |
| Surfactant | 1 | Hour | \$15.00 | \$15.00 | | \$1,500.00 |
| Fungicides | | | | | | |
| Quadris Top | 7.98 | Pint | \$7.48 | \$59.65 | | \$5,965.05 |
| GEM | | | | | | |
| Headline | 10 | Ounce | \$1.56 | \$15.62 | | \$1,562.11 |
| Pristine | 3.8 | Ounce | \$8.12 | \$30.87 | | \$3,086.91 |
| Irrigation | | | | | | |
| Water Cost | 24 | Ounce | \$1.86 | \$44.63 | | \$4,462.50 |
| Irrigation Labor | 16 | Ounce | \$3.29 | \$52.66 | | \$5,266.00 |
| Machinery Labor | | | | | | |
| Tractors/Self-Propelled | 4.00 | Acre/Foot | \$21.00 | \$84.00 | | \$8,400.00 |
| Other Labor | 14.00 | Hour | \$17.50 | \$245.00 | | \$24,500.00 |
| Diesel Fuel | | | | | | |
| Tractors/Self-Propelled | 0.8 | Hour | \$17.21 | \$13.77 | | \$1,376.80 |
| Repairs & Maintenance | 0.4 | Hour | \$17.21 | \$6.88 | | \$688.40 |
| Implements | | | | | | |
| Tractors/Self-Propelled | 3.66 | Gallon | \$3.60 | \$13.18 | | \$1,317.60 |
| Implements | | | | | | |
| 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% | \$124.07 | | \$12,406.88 |
| Total Variable Costs | | | | \$2,858.47 | | \$285,846.66 |
| Planned Returns Above Variable Costs: | | | | \$1,573.77 | | \$157,376.87 |
| Breakeven Price to Cover Variable Costs | | | \$317.61 | Ton | | |
| 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 | 8.50% | \$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 | | | | \$3,120.11 | | \$312,011.09 |
| Returns Above Specified Costs | | | | \$1,312.12 | | \$131,212.44 |
| Breakeven Price to Cover Total Costs | | | \$346.68 | Ton | | |

| Example Breakeven Prices | | | |
|--------------------------|-------------------|-------------------------|----------------------|
| Example Yield Percent | Example Yield Ton | To Cover Variable Costs | To Cover Total Costs |
| 75% | 6.75 | \$423.48 | \$462.24 |
| 90% | 8.10 | \$352.90 | \$385.20 |
| 100% | 9.00 | \$317.61 | \$346.68 |
| 110% | 9.90 | \$288.73 | \$315.16 |
| 125% | 11.25 | \$254.09 | \$277.34 |

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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.