

**2023 Estimated Costs and Returns per Acre  
Grapefruit, Year 2, Orchard Establishment, Flood Irrigated, Rio Grande Valley  
South Extension District - 12**

| Crop Acres                              | 100             |              |                |              |              | Enterprise              |
|-----------------------------------------|-----------------|--------------|----------------|--------------|--------------|-------------------------|
| REVENUE                                 | Quantity        | Units        | \$/Unit        | Total        | Total        | Total                   |
| Total Revenue                           |                 |              |                | \$0.00       |              | \$0.00                  |
| <b>VARIABLE COSTS</b>                   | <b>Quantity</b> | <b>Units</b> | <b>\$/Unit</b> | <b>Total</b> | <b>Total</b> | <b>Enterprise Total</b> |
| Production Costs                        |                 |              |                |              |              |                         |
| 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              |
| Tree Wrap/Unwrap                        | 3               | Tree         | \$2.00         | \$6.00       |              | \$600.00                |
| Fertilizer                              |                 |              |                |              |              |                         |
| Urea (46%)                              | 1.25            | CTW          | \$44.75        | \$55.94      |              | \$5,593.75              |
| Foliar 18-8-5                           | 1.32            | Gallon       | \$15.50        | \$20.46      |              | \$2,046.00              |
| Foliar Zn                               | 0.67            | Pound        | \$3.50         | \$2.34       |              | \$234.49                |
| 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                             |                 |              |                |              |              |                         |
| Sivanto                                 | 10              | Ounce        | \$3.28         | \$32.81      |              | \$3,280.86              |
| Danitol                                 | 16              | Ounce        | \$1.01         | \$16.13      |              | \$1,612.50              |
| Miscellaneous                           |                 |              |                |              |              |                         |
| Citrus Assessment                       | 1               | Acre         | \$5.00         | \$5.00       |              | \$500.00                |
| Insurance, Young citrus trees           | 150             | Tree         | \$0.22         | \$33.00      |              | \$3,300.00              |
| Custom                                  |                 |              |                |              |              |                         |
| 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              |
| 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              |
| Other Chemicals                         |                 |              |                |              |              |                         |
| Surfactant                              | 8.28            | Pint         | \$7.48         | \$61.89      |              | \$6,189.30              |
| 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       | \$2.24         | \$8.20       |              | \$819.84                |
| 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%          | \$54.36      |              | \$5,435.64              |
| Total Variable Costs                    |                 |              |                | \$1,197.96   |              | \$119,795.78            |
| Planned Returns Above Variable Costs:   |                 |              |                |              |              |                         |
| Breakeven Price to Cover Variable Costs |                 |              | n/a            | (\$1,197.96) |              | (\$119,795.78)          |
| <b>FIXED COSTS</b>                      | <b>Quantity</b> | <b>Units</b> | <b>\$/Unit</b> | <b>Total</b> | <b>Total</b> | <b>Enterprise Total</b> |
| 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                |
| Land Cost, Orchard                      | 1               | Acre         | \$100.00       | \$100.00     |              | \$10,000.00             |
| Total Fixed Costs                       |                 |              |                | \$118.83     |              | \$11,882.60             |
| Total Specified Costs                   |                 |              |                | \$1,316.78   |              | \$131,678.38            |
| Returns Above Specified Costs           |                 |              |                | (\$1,316.78) |              | (\$131,678.38)          |
| Breakeven Price to Cover Total Costs    |                 |              | n/a            |              |              |                         |

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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**