

**2024 Estimated Costs and Returns per Acre  
Grapefruit, Year 6, 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)                        | 14.00    | Ton       | \$298.25        | \$4,175.50        | \$417,550.00        | \$417,550.00        |
| <b>Total Revenue</b>                        |          |           |                 | <b>\$4,175.50</b> | <b>\$417,550.00</b> | <b>\$417,550.00</b> |
| VARIABLE COSTS                              | Quantity | Units     | \$/Unit         | Total             | Total               | Enterprise          |
| <b>Production Costs</b>                     |          |           |                 |                   |                     |                     |
| Custom                                      |          |           |                 |                   |                     |                     |
| Foliar Application                          | 7        | Acre      | \$50.00         | \$350.00          | \$35,000.00         | \$35,000.00         |
| Prune (Yr 3-6 Year)                         | 1        | Acre      | \$60.00         | \$60.00           | \$6,000.00          | \$6,000.00          |
| Fertilizer                                  |          |           |                 |                   |                     |                     |
| Urea (46%)                                  | 2.5      | CTW       | \$44.75         | \$111.88          | \$11,187.50         | \$11,187.50         |
| Foliar 3-18-18                              | 1        | Gallon    | \$34.00         | \$34.00           | \$3,400.00          | \$3,400.00          |
| Foliar Zn                                   | 2        | Pound     | \$3.50          | \$7.00            | \$699.96            | \$699.96            |
| Foliar 18-8-5                               | 2        | Gallon    | \$15.50         | \$31.00           | \$3,100.00          | \$3,100.00          |
| Foliar N                                    | 5        | Pound     | \$0.61          | \$3.05            | \$305.00            | \$305.00            |
| Herbicide                                   |          |           |                 |                   |                     |                     |
| Simazine 4L                                 | 1.25     | Gallon    | \$38.00         | \$47.50           | \$4,750.00          | \$4,750.00          |
| Krovar I 80 DF                              | 3        | Pound     | \$17.68         | \$53.04           | \$5,304.00          | \$5,304.00          |
| Glyphosate                                  | 20       | Pint      | \$6.25          | \$125.00          | \$12,500.00         | \$12,500.00         |
| Insecticide                                 |          |           |                 |                   |                     |                     |
| Movento                                     | 30       | Ounce     | \$7.79          | \$233.66          | \$23,366.02         | \$23,366.02         |
| Micromite                                   | 18.8     | Ounce     | \$1.63          | \$30.70           | \$3,069.69          | \$3,069.69          |
| Vendex                                      | 8        | Pound     | \$60.69         | \$485.52          | \$48,552.00         | \$48,552.00         |
| Agri-Mek SC                                 | 0.32     | Gallon    | \$89.95         | \$28.78           | \$2,878.40          | \$2,878.40          |
| Actara                                      | 11       | Ounce     | \$4.33          | \$47.65           | \$4,764.83          | \$4,764.83          |
| Sivanto                                     | 10       | Ounce     | \$3.28          | \$32.81           | \$3,280.86          | \$3,280.86          |
| Esteem                                      | 10       | Ounce     | \$13.00         | \$130.00          | \$13,000.00         | \$13,000.00         |
| Danitol                                     | 16       | Ounce     | \$1.01          | \$16.13           | \$1,612.50          | \$1,612.50          |
| Admire Pro                                  | 0.44     | Pint      | \$26.28         | \$11.56           | \$1,156.32          | \$1,156.32          |
| Miscellaneous                               |          |           |                 |                   |                     |                     |
| Citrus Assessment                           | 1        | Acre      | \$5.00          | \$5.00            | \$500.00            | \$500.00            |
| Insurance, Grapefruit                       | 1        | Acre      | \$128.67        | \$128.67          | \$12,866.63         | \$12,866.63         |
| Seed  |          |           |                 |                   |                     |                     |
| Young Citrus Trees                          | 3        | Tree      | \$15.00         | \$45.00           | \$4,500.00          | \$4,500.00          |
| Layout and Plant                            | 3        | Tree      | \$5.00          | \$15.00           | \$1,500.00          | \$1,500.00          |
| Removal Citrus                              | 3        | Tree      | \$25.00         | \$75.00           | \$7,500.00          | \$7,500.00          |
| Treatment Removed citrus                    | 3        | Tree      | \$5.00          | \$15.00           | \$1,500.00          | \$1,500.00          |
| Tree Wrap/Unwrap                            | 3        | Tree      | \$2.00          | \$6.00            | \$600.00            | \$600.00            |
| Other Labor                                 |          |           |                 |                   |                     |                     |
| Costum Soil Fert. Citrus                    | 6        | Hour      | \$15.00         | \$90.00           | \$9,000.00          | \$9,000.00          |
| Unallocated Labor                           | 1        | Hour      | \$15.00         | \$15.00           | \$1,500.00          | \$1,500.00          |
| Other Chemicals                             |          |           |                 |                   |                     |                     |
| Surfactant                                  | 7.98     | Pint      | \$7.48          | \$59.65           | \$5,965.05          | \$5,965.05          |
| Fungicides                                  |          |           |                 |                   |                     |                     |
| Quadris Top                                 | 10       | Ounce     | \$1.56          | \$15.62           | \$1,562.11          | \$1,562.11          |
| GEM   | 3.8      | Ounce     | \$8.12          | \$30.87           | \$3,086.91          | \$3,086.91          |
| Headline                                    | 24       | Ounce     | \$1.86          | \$44.63           | \$4,462.50          | \$4,462.50          |
| Pristine                                    | 16       | Ounce     | \$3.29          | \$52.66           | \$5,266.00          | \$5,266.00          |
| Irrigation                                  |          |           |                 |                   |                     |                     |
| Water Cost                                  | 4.00     | Acre/Foot | \$21.00         | \$84.00           | \$8,400.00          | \$8,400.00          |
| Irrigation Labor                            | 14.00    | Hour      | \$17.50         | \$245.00          | \$24,500.00         | \$24,500.00         |
| Machinery Labor                             |          |           |                 |                   |                     |                     |
| Tractors/Self-Propelled                     | 0.8      | Hour      | \$17.21         | \$13.77           | \$1,376.80          | \$1,376.80          |
| Other Labor                                 | 0.4      | Hour      | \$17.21         | \$6.88            | \$688.40            | \$688.40            |
| Diesel Fuel                                 |          |           |                 |                   |                     |                     |
| Tractors/Self-Propelled                     | 3.66     | Gallon    | \$3.60          | \$13.18           | \$1,317.60          | \$1,317.60          |
| Repairs & Maintenance                       |          |           |                 |                   |                     |                     |
| Tractors/Self-Propelled                     | 1        | Acre      | \$8.79          | \$8.79            | \$878.51            | \$878.51            |
| Implements                                  | 1        | Acre      | \$2.86          | \$2.86            | \$285.70            | \$285.70            |
| Interest on Credit Line                     |          |           | 8.00%           | \$120.28          | \$12,027.65         | \$12,027.65         |
| <b>Total Variable Costs</b>                 |          |           |                 | <b>\$2,932.11</b> | <b>\$293,210.93</b> | <b>\$293,210.93</b> |
| Planned Returns Above Variable Costs:       |          |           |                 | \$1,243.39        | \$124,339.07        | \$124,339.07        |
| Breakeven Price to Cover Variable Costs     |          |           | \$209.44        | Ton               |                     |                     |
| FIXED COSTS                                 | Quantity | Units     | \$/Unit         | Total             | Total               | Enterprise          |
| Machinery Depreciation                      |          |           |                 |                   |                     |                     |
| Tractors/Self-Propelled                     | 1        | Acre      | \$9.08          | \$9.08            | \$907.80            | \$907.80            |
| Implements                                  | 1        | Acre      | \$3.05          | \$3.05            | \$304.75            | \$304.75            |
| Equipment Investment                        |          |           |                 |                   |                     |                     |
| Tractors/Self-Propelled                     | \$70.72  | Dollars   | 8.00%           | \$5.66            | \$565.76            | \$565.76            |
| Implements                                  | \$13.04  | Dollars   | 8.00%           | \$1.04            | \$104.29            | \$104.29            |
| Allocated Establishment Cost                | 1        | Acre      | \$142.71        | \$142.71          | \$14,270.58         | \$14,270.58         |
| Land Cost, Orchard                          | 1        | Acre      | \$100.00        | \$100.00          | \$10,000.00         | \$10,000.00         |
| <b>Total Fixed Costs</b>                    |          |           |                 | <b>\$261.53</b>   | <b>\$26,153.18</b>  | <b>\$26,153.18</b>  |
| <b>Total Specified Costs</b>                |          |           |                 | <b>\$3,193.64</b> | <b>\$319,364.11</b> | <b>\$319,364.11</b> |
| Returns Above Specified Costs               |          |           |                 | \$981.86          | \$98,185.89         | \$98,185.89         |
| <b>Breakeven Price to Cover Total Costs</b> |          |           | <b>\$228.12</b> | <b>Ton</b>        |                     |                     |

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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.*