

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2025 Estimated Costs and Returns per Acre**  
**Watermelon, Open Pollinated Varieties, Dryland, Rio Grande Valley**  
**South Extension District - 12**

| Crop Acres                                  |          | 40       |         |                   |  | Enterprise          |
|---|----------|----------|---------|-------------------|--|---------------------|
| REVENUE                                     | Quantity | Units    | \$/Unit | Total             |  | Total               |
| Watermelon, Allsweet                        | 250.00   | CWT      | \$16.80 | \$4,200.00        |  | \$168,000.00        |
| <b>Total Revenue</b>                        |          |          |         | <b>\$4,200.00</b> |  | <b>\$168,000.00</b> |
| VARIABLE COSTS                              | Quantity | Units    | \$/Unit | Total             |  | Enterprise          |
| <b>Production Costs</b>                     |          |          |         |                   |  |                     |
| Fertilizer                                  |          |          |         |                   |  |                     |
| Fertilizer 10-34-0                          | 1.5      | CWT      | \$39.75 | \$59.63           |  | \$2,385.00          |
| Custom                                      |          |          |         |                   |  |                     |
| Bee Rental                                  | 1        | Hive     | \$85.00 | \$85.00           |  | \$3,400.00          |
| Harvest and Sell Watermelons                | 250      | CWT      | \$8.50  | \$2,125.00        |  | \$85,000.00         |
| Insecticide                                 |          |          |         |                   |  |                     |
| Asana XL                                    | 11.6     | Ounce    | \$0.62  | \$7.25            |  | \$289.82            |
| Seed  |          |          |         |                   |  |                     |
| Watermelon Seed, OP                         | 3        | Thousand | \$7.00  | \$21.00           |  | \$840.00            |
| Herbicide                                   |          |          |         |                   |  |                     |
| Trifluralin 4EC                             | 2        | Pint     | \$4.75  | \$9.50            |  | \$379.80            |
| Fungicides                                  |          |          |         |                   |  |                     |
| Bravo Ultrex                                | 1        | Pound    | \$10.23 | \$10.23           |  | \$409.30            |
| Quadris                                     | 32       | Ounce    | \$1.56  | \$49.99           |  | \$1,999.50          |
| Other Labor                                 |          |          |         |                   |  |                     |
| Unallocated Labor                           | 0.9336   | Hour     | \$15.00 | \$14.00           |  | \$560.16            |
| Machinery Labor                             |          |          |         |                   |  |                     |
| Tractors/Self-Propelled                     | 1.43     | Hour     | \$17.21 | \$24.61           |  | \$984.41            |
| Diesel Fuel                                 |          |          |         |                   |  |                     |
| Tractors/Self-Propelled                     | 9.23     | Gallon   | \$3.60  | \$33.23           |  | \$1,329.12          |
| Repairs & Maintenance                       |          |          |         |                   |  |                     |
| Tractors/Self-Propelled                     | 1        | Acre     | \$21.52 | \$21.52           |  | \$860.62            |
| Implements                                  | 1        | Acre     | \$15.92 | \$15.92           |  | \$636.79            |
| Interest on Credit Line                     |          |          | 8.50%   | \$7.84            |  | \$313.66            |
| <b>Total Variable Costs</b>                 |          |          |         | <b>\$2,484.70</b> |  | <b>\$99,388.17</b>  |
| Planned Returns Above Variable Costs:       |          |          |         | \$1,715.30        |  | \$68,611.83         |
| Breakeven Price to Cover Variable Costs     |          |          | \$9.94  | CWT               |  |                     |
| FIXED COSTS                                 | Quantity | Units    | \$/Unit | Total             |  | Enterprise          |
| <b>Machinery Depreciation</b>               |          |          |         |                   |  |                     |
| Tractors/Self-Propelled                     | 1        | Acre     | \$22.14 | \$22.14           |  | \$885.42            |
| Implements                                  | 1        | Acre     | \$18.93 | \$18.93           |  | \$757.27            |
| <b>Equipment Investment</b>                 |          |          |         |                   |  |                     |
| Tractors/Self-Propelled                     | \$172.44 | Dollars  | 8.50%   | \$14.66           |  | \$586.30            |
| Implements                                  | \$85.40  | Dollars  | 8.50%   | \$7.26            |  | \$290.36            |
| Cash Rent, South Texas                      | 1        | Acre     | \$85.00 | \$85.00           |  | \$3,400.00          |
| <b>Total Fixed Costs</b>                    |          |          |         | <b>\$147.98</b>   |  | <b>\$5,919.35</b>   |
| <b>Total Specified Costs</b>                |          |          |         | <b>\$2,632.69</b> |  | <b>\$105,307.53</b> |
| Returns Above Specified Costs               |          |          |         | \$1,567.31        |  | \$62,692.47         |
| <b>Breakeven Price to Cover Total Costs</b> |          |          | \$10.53 | CWT               |  |                     |

| Example Breakeven Prices |         |          |          |
|--------------------------|---------|----------|----------|
| Example                  | Example | To Cover | To Cover |
| Yield                    | Yield   | Variable | Total    |
| Percent                  | CWT     | Costs    | Costs    |
| 75%                      | 187.50  | \$13.25  | \$14.04  |
| 90%                      | 225.00  | \$11.04  | \$11.70  |
| 100%                     | 250.00  | \$9.94   | \$10.53  |
| 110%                     | 275.00  | \$9.04   | \$9.57   |
| 125%                     | 312.50  | \$7.95   | \$8.42   |

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.**