

*Projections for Planning Purposes Only  
Not to be Used without Updating after February 1, 2012*

B-1241 (C12)

Table 18.A Estimated costs and returns per acre  
Grapefruit; Year 1 Orchard Establishment, Flood Irr.  
Current Projected Costs, Rio Grande Valley, For Planning Pu

| ITEM                                   | UNIT   | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--|--------|---------|----------|---------|-----------|
|  |        | dollars |          | dollars |           |
| INCOME                                 |        |         |          | -----   |           |
| TOTAL INCOME                           |        |         |          | 0.00    | _____     |
| DIRECT EXPENSES                        |        |         |          |         |           |
| FERTILIZER                             |        |         |          |         |           |
| Amm Sulfate (21% N)                    | cwt    | 18.00   | 0.5720   | 10.29   | _____     |
| HERBICIDE                              |        |         |          |         |           |
| Simizine 90DF                          | gallon | 20.47   | 5.0000   | 102.35  | _____     |
| Krovar I 80 DF                         | lb     | 19.10   | 3.0000   | 57.30   | _____     |
| IRRIGATION SUPPLIES                    |        |         |          |         |           |
| Irrigation Water                       | ac-ft  | 20.00   | 2.4000   | 48.00   | _____     |
| INSURANCE                              |        |         |          |         |           |
| Grapefruit, Year 1                     | acre   | 40.00   | 1.0000   | 40.00   | _____     |
| CUSTOM ORCHARD OPS.                    |        |         |          |         |           |
| Land prep and level                    | acre   | 165.00  | 1.0000   | 165.00  | _____     |
| Young citrus trees                     | tree   | 10.00   | 140.0000 | 1400.00 | _____     |
| Layout/Plant                           | tree   | 1.38    | 140.0000 | 193.20  | _____     |
| Custom Fert. Citrus                    | acre   | 4.40    | 3.0000   | 13.20   | _____     |
| Tree Wrap/Unwrap                       | tree   | 1.10    | 140.0000 | 154.00  | _____     |
| ORCHARD SUPPLIES                       |        |         |          |         |           |
| Tree Wraps                             | tree   | 1.10    | 140.0000 | 154.00  | _____     |
| OPERATOR LABOR                         |        |         |          |         |           |
| Tractors                               | hour   | 7.50    | 0.1220   | 0.91    | _____     |
| HAND LABOR                             |        |         |          |         |           |
| Implements                             | hour   | 7.50    | 0.0610   | 0.45    | _____     |
| IRRIGATION LABOR                       |        |         |          |         |           |
| Labor (Flood)                          | hour   | 7.50    | 6.0000   | 45.00   | _____     |
| UNALLOCATED LABOR                      | hour   | 7.50    | 0.0122   | 0.09    | _____     |
| DIESEL FUEL                            |        |         |          |         |           |
| Tractors                               | gal    | 3.10    | 0.9419   | 2.92    | _____     |
| REPAIR & MAINTENANCE                   |        |         |          |         |           |
| Implements                             | acre   | 0.27    | 1.0000   | 0.27    | _____     |
| Tractors                               | acre   | 0.64    | 1.0000   | 0.64    | _____     |
| INTEREST ON OP. CAP.                   | acre   | 170.82  | 1.0000   | 170.82  | _____     |
| TOTAL DIRECT EXPENSES                  |        |         |          | -----   | 2558.47   |
| RETURNS ABOVE DIRECT EXPENSES          |        |         |          | -----   | -2558.47  |
| FIXED EXPENSES                         |        |         |          |         |           |
| Implements                             | acre   | 0.40    | 1.0000   | 0.40    | _____     |
| Tractors                               | acre   | 1.94    | 1.0000   | 1.94    | _____     |
| Permanent Valve Irr.                   | acre   | 45.00   | 1.0000   | 45.00   | _____     |
| TOTAL FIXED EXPENSES                   |        |         |          | -----   | 47.34     |
| TOTAL SPECIFIED EXPENSES               |        |         |          | -----   | 2605.81   |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES |        |         |          | -----   | -2605.81  |
| ALLOCATED COST ITEMS                   |        |         |          |         |           |
| Land Cost, Orchard                     | acre   | 150.00  | 1.0000   | 150.00  | _____     |
| RESIDUAL RETURNS                       |        |         |          | -----   | -2755.81  |

Brand names are mentioned only as examples and imply no endorsement.

*Information presented is prepared solely as a general guide & not intended to recognize or predict the costs & returns from any one operation.  
Developed by Texas AgriLife Extension Service.*

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Table 18.B Estimated resource use and costs for field operations, per acre  
Grapefruit; Year 1 Orchard Establishment, Flood Irr.  
Current Projected Costs, Rio Grande Valley, For Planning Purposes Only

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | TRACTOR<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | TRACTOR COST      |       | EQUIP COST |       | ALLOC LABOR |       | OPERATING INPUT   |        |         | TOTAL<br>COST |         |
|-------------------------------|---------------|-----------------|--------------|---------------|-----|-------------------|-------|------------|-------|-------------|-------|-------------------|--------|---------|---------------|---------|
|                               |               |                 |              |               |     | DIRECT            | FIXED | DIRECT     | FIXED | HOURS       | COST  | AMOUNT            | PRICE  | COST    |               |         |
|                               |               |                 |              |               |     | -----dollars----- |       |            |       | dollars     |       | -----dollars----- |        |         |               |         |
| Permanent Valve Irr.          | acre          |                 |              | 1.00          | Jan |                   |       |            | 45.00 |             |       | 1.0000            |        |         |               | 45.00   |
| Land prep and level           | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 165.00 | 165.00  |               | 165.00  |
| Young citrus trees            | tree          |                 |              | 1.00          | Feb |                   |       |            |       |             |       | 140.0000          | 10.00  | 1400.00 |               | 1400.00 |
| Layout/Plant                  | tree          |                 |              |               |     |                   |       |            |       |             |       | 140.0000          | 1.38   | 193.20  |               | 193.20  |
| Custom Fert. Citrus           | acre          |                 |              | 1.00          | Feb |                   |       |            |       |             |       | 1.0000            | 4.40   | 4.40    |               | 4.40    |
| Amm Sulfate (21% N)           | cwt           |                 |              |               |     |                   |       |            |       |             |       | 0.2860            | 18.00  | 5.14    |               | 5.14    |
| Labor (Flood)                 | hour          |                 |              | 1.00          | Feb |                   |       |            |       | 1.000       | 7.50  | 1.0000            |        |         |               | 7.50    |
| Irrigation Water              | ac-ft         |                 |              |               |     |                   |       |            |       |             |       | 0.4000            | 20.00  | 8.00    |               | 8.00    |
| Labor (Flood)                 | hour          |                 |              | 1.00          | Mar |                   |       |            |       | 1.000       | 7.50  | 1.0000            |        |         |               | 7.50    |
| Irrigation Water              | ac-ft         |                 |              |               |     |                   |       |            |       |             |       | 0.4000            | 20.00  | 8.00    |               | 8.00    |
| Spray (Broadcast)             | 27'           | 150 hp          | 0.061        | 1.00          | Mar | 1.78              | 0.97  | 0.13       | 0.20  | 0.091       | 0.68  |                   |        |         |               | 3.77    |
| Simizine 90DF                 | gallon        |                 |              |               |     |                   |       |            |       |             |       | 5.0000            | 20.47  | 102.35  |               | 102.35  |
| Labor (Flood)                 | hour          |                 |              | 1.00          | Apr |                   |       |            |       | 1.000       | 7.50  | 1.0000            |        |         |               | 7.50    |
| Irrigation Water              | ac-ft         |                 |              |               |     |                   |       |            |       |             |       | 0.4000            | 20.00  | 8.00    |               | 8.00    |
| Grapefruit, Year 1            | acre          |                 |              | 1.00          | Apr |                   |       |            |       |             |       | 1.0000            | 40.00  | 40.00   |               | 40.00   |
| Custom Fert. Citrus           | acre          |                 |              | 1.00          | May |                   |       |            |       |             |       | 1.0000            | 4.40   | 4.40    |               | 4.40    |
| Amm Sulfate (21% N)           | cwt           |                 |              |               |     |                   |       |            |       |             |       |                   | 18.00  |         |               |         |
| Labor (Flood)                 | hour          |                 |              | 1.00          | Jun |                   |       |            |       | 1.000       | 7.50  | 1.0000            |        |         |               | 7.50    |
| Irrigation Water              | ac-ft         |                 |              |               |     |                   |       |            |       |             |       | 0.4000            | 20.00  | 8.00    |               | 8.00    |
| Spray (Broadcast)             | 27'           | 150 hp          | 0.061        | 1.00          | Jul | 1.78              | 0.97  | 0.13       | 0.20  | 0.091       | 0.68  |                   |        |         |               | 3.77    |
| Krovar I 80 DF                | lb            |                 |              |               |     |                   |       |            |       |             |       | 3.0000            | 19.10  | 57.30   |               | 57.30   |
| Labor (Flood)                 | hour          |                 |              | 1.00          | Jul |                   |       |            |       | 1.000       | 7.50  | 1.0000            |        |         |               | 7.50    |
| Irrigation Water              | ac-ft         |                 |              |               |     |                   |       |            |       |             |       | 0.4000            | 20.00  | 8.00    |               | 8.00    |
| Custom Fert. Citrus           | acre          |                 |              | 1.00          | Aug |                   |       |            |       |             |       | 1.0000            | 4.40   | 4.40    |               | 4.40    |
| Amm Sulfate (21% N)           | cwt           |                 |              |               |     |                   |       |            |       |             |       | 0.2860            | 18.00  | 5.14    |               | 5.14    |
| Tree Wrap/Unwrap              | tree          |                 |              | 1.00          | Nov |                   |       |            |       |             |       | 140.0000          | 1.10   | 154.00  |               | 154.00  |
| Tree Wraps                    | tree          |                 |              |               |     |                   |       |            |       |             |       | 140.0000          | 1.10   | 154.00  |               | 154.00  |
| Labor (Flood)                 | hour          |                 |              | 1.00          | Nov |                   |       |            |       | 1.000       | 7.50  | 1.0000            |        |         |               | 7.50    |
| Irrigation Water              | ac-ft         |                 |              |               |     |                   |       |            |       |             |       | 0.4000            | 20.00  | 8.00    |               | 8.00    |
| TOTALS                        |               |                 |              |               |     | 3.56              | 1.94  | 0.27       | 45.40 | 6.183       | 46.37 |                   |        | 2337.34 |               | 2434.90 |
| INTEREST ON OPERATING CAPITAL |               |                 |              |               |     |                   |       |            |       |             |       |                   |        |         |               | 170.82  |
| UNALLOCATED LABOR             |               |                 |              |               |     |                   |       |            |       |             |       |                   |        |         |               | 0.09    |
| TOTAL SPECIFIED COST          |               |                 |              |               |     |                   |       |            |       |             |       |                   |        |         |               | 2605.81 |

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