

Table 19.A Estimated costs and returns per acre  
Grapefruit; Year 2 Orchard Establishment, Flood Irr.  
Projected for 2013, Rio Grande Valley, For Planning Purpose

| ITEM                                   | UNIT   | PRICE   | QUANTITY | AMOUNT   | YOUR FARM |
|--|--------|---------|----------|----------|-----------|
|  |        | dollars |          | dollars  |           |
| INCOME                                 |        |         |          |          |           |
| Grapefruit (Rio Red)                   | tons   | 120.00  | 0.2000   | 24.00    | _____     |
|  |        |         |          | -----    |           |
| TOTAL INCOME                           |        |         |          | 24.00    | _____     |
| DIRECT EXPENSES                        |        |         |          |          |           |
| FERTILIZER                             |        |         |          |          |           |
| Amm Sulfate (21% N)                    | cwt    | 20.70   | 3.4200   | 70.79    | _____     |
| HERBICIDE                              |        |         |          |          |           |
| Simizine 90DF                          | gallon | 22.88   | 5.0000   | 114.40   | _____     |
| Krovar I 80 DF                         | lb     | 13.00   | 3.0000   | 39.00    | _____     |
| INSECTICIDE/MITICIDE                   |        |         |          |          |           |
| Vydate                                 | gal    | 106.24  | 0.0625   | 6.64     | _____     |
| Vendex                                 | lb     | 38.30   | 6.0000   | 229.80   | _____     |
| Citrus Oil                             | gal    | 3.42    | 5.0000   | 17.10    | _____     |
| Agri-Mek                               | gal    | 110.08  | 0.1000   | 11.00    | _____     |
| IRRIGATION SUPPLIES                    |        |         |          |          |           |
| Irrigation Water                       | ac-ft  | 20.00   | 1.2000   | 24.00    | _____     |
| ADJUVANT                               |        |         |          |          |           |
| Surfactant                             | pt     | 1.25    | 2.0000   | 2.50     | _____     |
| CUSTOM ORCHD. SPRAY                    |        |         |          |          |           |
| Lorsban 4E                             | pt     | 5.54    | 8.0000   | 44.32    | _____     |
| INSURANCE                              |        |         |          |          |           |
| Grapefruit, Year 2                     | acre   | 70.00   | 1.0000   | 70.00    | _____     |
| CUSTOM ORCHARD OPS.                    |        |         |          |          |           |
| Tree Replacement                       | tree   | 12.00   | 1.0000   | 12.00    | _____     |
| Custom Fert. Citrus                    | acre   | 4.40    | 2.0000   | 8.80     | _____     |
| Custom Orchard Spray                   | acre   | 38.50   | 4.0000   | 154.00   | _____     |
| OPERATOR LABOR                         |        |         |          |          |           |
| Tractors                               | hour   | 9.00    | 0.1220   | 1.09     | _____     |
| HAND LABOR                             |        |         |          |          |           |
| Implements                             | hour   | 9.00    | 0.0610   | 0.54     | _____     |
| IRRIGATION LABOR                       |        |         |          |          |           |
| Labor (Flood)                          | hour   | 9.00    | 3.0000   | 27.00    | _____     |
| UNALLOCATED LABOR                      | hour   | 9.00    | 0.0122   | 0.10     | _____     |
| DIESEL FUEL                            |        |         |          |          |           |
| Tractors                               | gal    | 3.25    | 0.9419   | 3.06     | _____     |
| REPAIR & MAINTENANCE                   |        |         |          |          |           |
| Implements                             | acre   | 0.27    | 1.0000   | 0.27     | _____     |
| Tractors                               | acre   | 0.64    | 1.0000   | 0.64     | _____     |
| INTEREST ON OP. CAP.                   | acre   | 47.50   | 1.0000   | 47.50    | _____     |
| TOTAL DIRECT EXPENSES                  |        |         |          | 884.61   | _____     |
| RETURNS ABOVE DIRECT EXPENSES          |        |         |          | -860.61  | _____     |
| 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    | _____     |
| Year 1 Est. Costs                      | acre   | 209.04  | 1.0000   | 209.04   | _____     |
| TOTAL FIXED EXPENSES                   |        |         |          | 256.38   | _____     |
| TOTAL SPECIFIED EXPENSES               |        |         |          | 1140.99  | _____     |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES |        |         |          | -1116.99 | _____     |
| ALLOCATED COST ITEMS                   |        |         |          |          |           |
| Land Cost, Orchard                     | acre   | 120.00  | 1.0000   | 120.00   | _____     |
| RESIDUAL RETURNS                       |        |         |          | -1236.99 | _____     |

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

*Projections for Planning Purposes Only  
Not to be Used without Updating after February 1, 2013*

B-1241 (C12)

Table 19.B Estimated resource use and costs for field operations, per acre  
Grapefruit; Year 2 Orchard Establishment, Flood Irr.  
Projected for 2013, Rio Grande Valley, For Planning Purposes Only

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | TRACTOR<br>SIZE | PERF TIMES |      |     | TRACTOR COST      |       | EQUIP COST |        | ALLOC LABOR |       | OPERATING INPUT   |        |        | TOTAL<br>COST |
|-------------------------------|---------------|-----------------|------------|------|-----|-------------------|-------|------------|--------|-------------|-------|-------------------|--------|--------|---------------|
|                               |               |                 | RATE       | OVER | MTH | DIRECT            | FIXED | DIRECT     | FIXED  | HOURS       | COST  | AMOUNT            | PRICE  | COST   |               |
|                               |               |                 |            |      |     | -----dollars----- |       |            |        | dollars     |       | -----dollars----- |        |        |               |
| Year 1 Est. Costs             | acre          |                 |            | 1.00 | Jan |                   |       |            | 209.04 |             |       | 1.0000            |        |        | 209.04        |
| Permanent Valve Irr.          | acre          |                 |            | 1.00 | Jan |                   |       | 45.00      |        |             |       | 1.0000            |        |        | 45.00         |
| Tree Replacement              | tree          |                 |            | 1.00 | Feb |                   |       |            |        |             |       | 1.0000            | 12.00  | 12.00  | 12.00         |
| Custom Fert. Citrus           | acre          |                 |            | 1.00 | Mar |                   |       |            |        |             |       | 1.0000            | 4.40   | 4.40   | 4.40          |
| Amm Sulfate (21% N)           | cwt           |                 |            |      |     |                   |       |            |        |             |       | 1.7100            | 20.70  | 35.39  | 35.39         |
| Spray (Broadcast)             | 27'           | 150 hp          | 0.061      | 1.00 | Mar | 1.85              | 0.97  | 0.13       | 0.20   | 0.091       | 0.82  |                   |        |        | 3.98          |
| Simizine 90DF                 | gallon        |                 |            |      |     |                   |       |            |        |             |       | 5.0000            | 22.88  | 114.40 | 114.40        |
| Grapefruit, Year 2            | acre          |                 |            | 1.00 | Mar |                   |       |            |        |             |       | 1.0000            | 70.00  | 70.00  | 70.00         |
| Custom Orchard Spray          | acre          |                 |            | 1.00 | Apr |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Vydate                        | gal           |                 |            |      |     |                   |       |            |        |             |       | 0.0625            | 106.24 | 6.64   | 6.64          |
| Vendex                        | lb            |                 |            |      |     |                   |       |            |        |             |       | 2.0000            | 38.30  | 76.60  | 76.60         |
| Surfactant                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 1.0000            | 1.25   | 1.25   | 1.25          |
| Labor (Flood)                 | hour          |                 |            | 1.00 | Apr |                   |       |            |        | 1.000       | 9.00  | 1.0000            |        |        | 9.00          |
| Irrigation Water              | ac-ft         |                 |            |      |     |                   |       |            |        |             |       | 0.4000            | 20.00  | 8.00   | 8.00          |
| Custom Orchard Spray          | acre          |                 |            | 1.00 | May |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Vendex                        | lb            |                 |            |      |     |                   |       |            |        |             |       | 2.0000            | 38.30  | 76.60  | 76.60         |
| Lorsban 4E                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 4.0000            | 5.54   | 22.16  | 22.16         |
| Custom Orchard Spray          | acre          |                 |            | 1.00 | Jul |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Citrus Oil                    | gal           |                 |            |      |     |                   |       |            |        |             |       | 5.0000            | 3.42   | 17.10  | 17.10         |
| Agri-Mek                      | gal           |                 |            |      |     |                   |       |            |        |             |       | 0.1000            | 110.08 | 11.00  | 11.00         |
| Spray (Broadcast)             | 27'           | 150 hp          | 0.061      | 1.00 | Jul | 1.85              | 0.97  | 0.13       | 0.20   | 0.091       | 0.82  |                   |        |        | 3.98          |
| Krovar I 80 DF                | lb            |                 |            |      |     |                   |       |            |        |             |       | 3.0000            | 13.00  | 39.00  | 39.00         |
| Labor (Flood)                 | hour          |                 |            | 1.00 | Jul |                   |       |            |        | 1.000       | 9.00  | 1.0000            |        |        | 9.00          |
| 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           |                 |            |      |     |                   |       |            |        |             |       | 1.7100            | 20.70  | 35.39  | 35.39         |
| Labor (Flood)                 | hour          |                 |            | 1.00 | Sep |                   |       |            |        | 1.000       | 9.00  | 1.0000            |        |        | 9.00          |
| Irrigation Water              | ac-ft         |                 |            |      |     |                   |       |            |        |             |       | 0.4000            | 20.00  | 8.00   | 8.00          |
| Custom Orchard Spray          | acre          |                 |            | 1.00 | Sep |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Vendex                        | lb            |                 |            |      |     |                   |       |            |        |             |       | 2.0000            | 38.30  | 76.60  | 76.60         |
| Lorsban 4E                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 4.0000            | 5.54   | 22.16  | 22.16         |
| Surfactant                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 1.0000            | 1.25   | 1.25   | 1.25          |
| Pick/Pack/Ship                | crtn          |                 |            | 1.00 | Dec |                   |       |            |        |             |       | 10.0000           |        |        |               |
| TOTALS                        |               |                 |            |      |     | 3.70              | 1.94  | 0.27       | 254.44 | 3.183       | 28.64 |                   |        | 804.36 | 1093.37       |
| INTEREST ON OPERATING CAPITAL |               |                 |            |      |     |                   |       |            |        |             |       |                   |        |        | 47.50         |
| UNALLOCATED LABOR             |               |                 |            |      |     |                   |       |            |        |             |       |                   |        |        | 0.10          |
| TOTAL SPECIFIED COST          |               |                 |            |      |     |                   |       |            |        |             |       |                   |        |        | 1140.99       |

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